

"We the People" Submission

Is this COVID-19(84)

Report 7



(Slavery or Freedom?)

Senate COVID-19 Committee Inquiry

Supporting evidence for Carew Submission

In-the-Public Interest

May-day, 2020 – 11-2-2022

*"Never doubt that a small group of thoughtful, committed citizens can change the world;
indeed, it is the only thing that ever has"*
(Margaret Mead)

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The countries and the faceless faces are playing the game,
The global community are the pawns.
The black and white pieces are symbolic of dividing us against each other,
There are many shadow faceless players in the background unseen,
The fissures around the board is the reality that is weakening with each move not aligned with natural
earth systems are collapsing no matter SDGs,
The eagle and the mir appear outside the frame as if immune,
The purpose of the game is to observe if the players can adapt an eagle eye view,
To see they were distracted by roles, egos, challenges, fears, scheming,
From a higher perspective all the moves are seen,
All will lose the game they have invested in,
The only winners are those who play to ensure all win

THE STATUTE ON LIBERTY LIGHTS THE FLAME OF REMEMBRANCE IN PUBLIC INQUIRIES AS THE RIGHT TO CHOOSE

To my dear friend,
I feel inspired to write to you today,
We are in crazy times,
The rule book has been thrown out the window,
The baby with the bath water!
And the deck chairs are rearranging as they make it up,
We silently ponder democracy or social control?
Health or toxic cultures?

If I stand in your shoes orders come down the line of
command,
Command and control is order,
A pandemic must be contained,
Perimeters secured,
To stop the spread of dis-ease,
In the public interest.

For I know you are protecting the people,
I know you are serving a calling,
I feel you are a good person who cares,
You are a teacher guiding others to protect and defend,
Honour.

For the police can become the *meat* in the sandwich,
Politicians with agendas,
Public frustrated and suffering behind closed doors,
As they grieve the loss of freedom,
They grieve the loss of their jobs,
They grieve the future for their children,
They ache for social contact or a friendly meeting,
As they know this is not right but are powerless to speak
up.

Together we must Advance Australia Fair,
In the public interest not foreign interests,
We must stand in each other's shoes to deeply listen to
all voices,

For this is to awaken to the big picture,
As we are in this together for better or worse,
Sickness or in health,
For it is our country girt by sea,
It is the future of freedom,
That is at stake,
Before it is too late.

I am a peacemaker and I can see rules force,
Fines generate great fear,
What you resist persists
what you look at disappears,
Suppression can be a pressure cooker,
Only peace can be realised when released,
Wellbeing is empowerment,
Self determination chooses what is in our interests,
Force shuts down our ability to care
when we don't agree about what is fair,
Force creates *resistance*,
Fear is resistance to force (*powerless*),
Fear lowers the immune system if *persistence*,
Stress is toxic to cellular health when threatened,
White blood cells rush to protect well-being,
The immune system is the real line of defence that is
weakened,
If the line is control not understanding,
For the thin blue line must become white (neutral),
Erring on the side of *understanding* not force,
Winning the hearts and the minds is a clue,
For (economic) pathogens attack the immune system
when threatening survival,
So we must de-escalate threats
to remember health and wellbeing is
respect, goodwill and patience,
As all must feel safe and at home in their own country,
Home is where the heart is!
Is a mask protection or compliance?
Is a mask can a gag order or anti-viral?
For it can be a barrier enhancing *social* distancing,

Hiding the beautiful smile of community wanting to ask
are you ok?

For the mask is porous to sub atomic viral particles
penetrating the veil,

Any virologist, doctor and surgeon will tell you,

The mask is for sterilisation not suppression 24/7,

Experts not government sanctioned
may see *differently*,

No vested interests is the turn-key that opens the
door,

For a spike in illness will occur when restrictions lift
they say making it worse,

Sanitising stops natural flora building immunity,

Numbers will go up and restrictions re-imposed to
force vaccines not anti-virals,

Why?

Yet nature is spiking as natural immunity is being
supressed by fear and greed,

These are the only enemies of humankind.

Do we arrest difference or seek the truth of the
matter,

Make allowance for conscientious objection?
As physical distancing without a sniffle is safe,

Water (hydration) is safe,

Hydroxychloroquine is safe,

Zink is safe,

Vitamin C is safe,

Zithromax is safe,

Oxy Silver is safe,



For if these are the cures why no trials?

What are we waiting for?

The **safety valve** must be released in public forums
of inquiry,

Perhaps a police/public zoom event,

Asking:

*What happens if the masks lower immunity through
low oxygen supply and lack of fresh air?*

*What if the masks ensure you breathe in your own
viruses and bacteria and reinfect?*

*What if they socially isolate causing depression due to
lack of expresion?*

Wouldn't that be fascinating together yet apart?

Where all sides can be heard in peace and
reconciliation to build understanding not fear,

As this leads democratic discourse by example,

Dictatorship is not democratic,

The public have a right to know the truth from diverse
voices from which to true?

Politicians do not always tell the truth,

They may serve other interests,

The tree of life can be branch stacked for winter,

Courts can become star chambers as juries are
dismissed without rhyme or reason,

Money pours into defence not public health?

Military replace police!

A militarised zone is not a public space,

Fund uncertain testing or boost immune systems?

Why not determine **risk management** assessment:

Is the risk the spread of dis-ease or actual COVID
deaths?

Is it a mild disease or severe pandemic?

Is it a risk to the majority or those immune
compromised?

For if it is LOW risk to the majority and HIGH risk to
the minority,

Then why impose a HIGH risk suppressive strategy on
the majority

If they are not at risk of dying?

Does the spread really matter?

The Swedes say no, public education, economic
sovereignty is key to independence,

Does debt becomes the ball and chain or belt and
road?

Are we stuck between a rock and a hard place?

*What if an economic depression is the real risk to
citizens health and wellbeing?*

*What of investment in infrastructure and Chinese
checkers is the real trade war?*

Does this give social credits to transfer public assets?

For is there an enemy or misunderstanding?

Is ignorance the real enemy we can't face?

For misinformation circles us in confusion binding our hands and feet unable to move,

Schooled to police rather than assist each other,

With us or against us was a Bush tirade,

Divide and conquer fuels civil unrest,

Is this the test?

Clear and concise facts (without motive) is the mask being pulled down as a mirror can see clearly,

As global agendas are the block chain,

DNA vaccines may well be the real invitro intrusion into the blueprint of life, liberty and happiness,



Silently the statue of liberty shines her light for all to see on swan song street,

She is silent and holds up the light of inquiry for you must go within to see truth as liberty,

As we must ask the difficult questions about who we are and who we will become?

Tyranny or democracy?

silent warning flares shot up in the night sky,

Conflict or celebration?

Is the cup half empty or half full?

For the light can show another way out of darkness,

The light of inquiry can bring new questions to the round table where we sit together equally,

The light of truth can reveal the problem and the solution when truth not power is the real intention.

Perhaps the solution was the problem?

Can we resurrect **democratic freedom** to solve the problem no matter emergency powers?

For emergency powers were imposed for 40 years in the United States in the name of war doctrines,

Terrorism was the suppression of the Bill of Rights,

The Liberty bell tolled on September 11 as a reminder,

Is bio warfare another war generating terror where there is no defence?

Is the enemy greed as the seed of endless dis-ease as the new normal?

For industries are **investing millions in disease** not wellbeing,

They need a quick return on investment,

Bypassing FDA and animal trials to get this done, A Decade of Vaccines is the banner draped across capital (\$) Hill,

For there are walls on the streets impervious to poverty (Wall Street),

Yet Wall Street has a Fearless girl standing firm,

Facing the Bull to bear another stock exchange,

As a vaccine for COVID generates exorbitant yields, Pandemics are good for business as global economic conditions collapse,

Disaster capitalism spikes,

To make money out of misery is the new world order in this endless spiral to rock bottom.

WHO is an advocate?

Global health or global business?

Everyone gets rich quick,

To patent viruses is a new product entry,

HIV AIDS, Ebola, Zika, coronavirus (7), Influenza, polio?

Can they target Asians? Caucasians? Weakened states? Fertility?

What of eugenics?

Determining WHO is superior or inferior?

For what is novel can be patented what is not cannot,

The novel coronavirus was patented by Gates Foundation, Wellcome Trust, DARPA and the European Commission,

Why?

The World Economic Forum simulated a coronavirus pandemic inviting global leaders in 2019 to practice what-to-do,

Another Gates ad-venture.

Why?

Chinese Scientists visit Geelong CSIRO to work on bats and a coronavirus,

Wuhan is a WHO lab did you know?

A SMART 5G city – is this synchronicity?

Why?

They want SMART not intelligent design,

Secret Militarised Armaments in Residential Technology

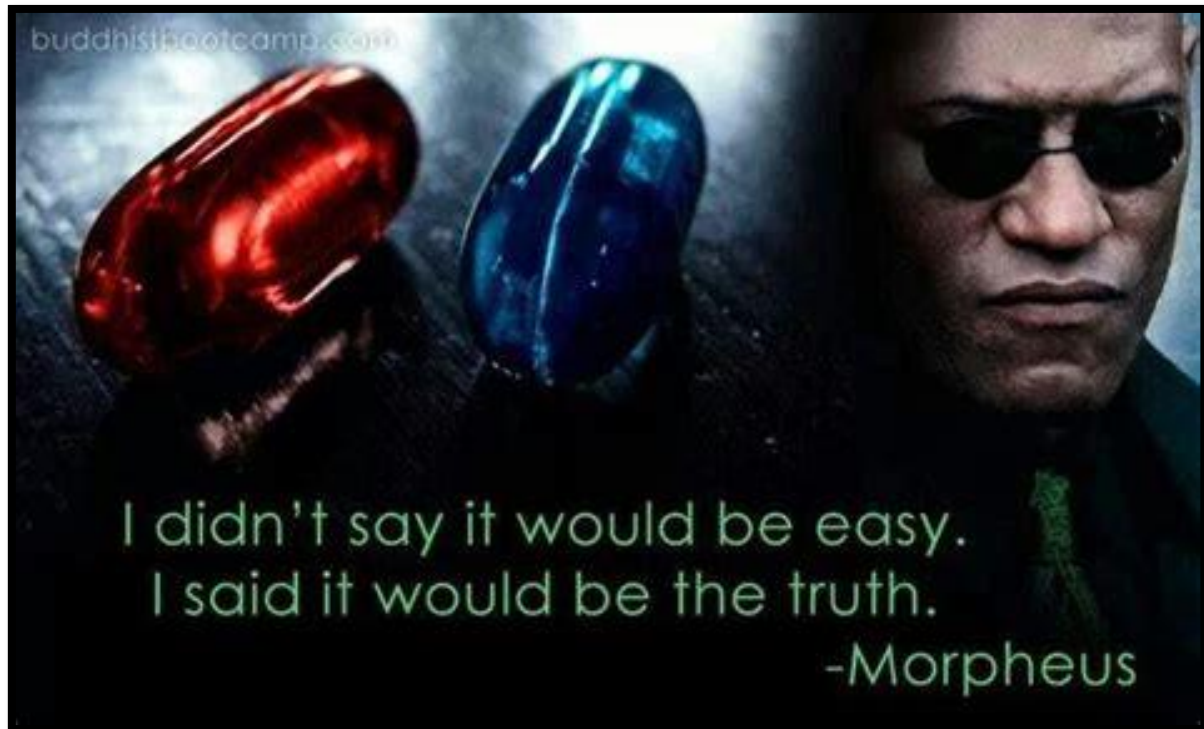
For Smart Cities are the Fourth Industrial Revolution,

As I am sure you know,
WHO announced EMF as a possible 2B carcinogen,
Waves and pulses cause cancer and disruption,
Many more will die as the immune system collapses,
I sit here and I *cry* for our folly,
As the moral dilemma is a prisoner's dilemma,
As we are imprisoned in fear by a great Wall,
The eagle soars overhead like a drone,
Yet what can we see from a higher perspective?
We are in this together - there is no them or us,
There is only children, grandchildren and what we leave
behind as our legacy,
We must teach them to be each other's keepers,
For **EMF and viruses** are indiscriminate,
Both bio-weapons impacting DNA,
It is time for democracy to have a say to choose:
Life or death? Sickness or health?
It was the **Man from Snowy River** who chased the
colt of old regret to show no regret in taking risks,
Nothing is impossible when courage holds the reins
risking health & safety to be who you are,
For we are waiting for a hero!
Perhaps it is you,
For I stand at the Shrine of Remembrance,
And see only the flame of freedom alight.

DEDICATION

To the Matrix Awakening Humanity to the Real World

Envisaging 1,000 years of Peace



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1.0 INTRODUCTION

The 7 Habits of Highly Effective People by Stephen Covey is about **developing habits** that empower change rather than reacting to change and looking to fulfil self interest every step of the way. This is principled pathway. This reports came from a strong impulse to submit a submission to the Senate Inquiry into COVID-19 and the Government's response. This response has been so shocking that the report kept growing as more questions flowed to make sense out of a mild virus less than the flu being used to shutdown a global economy and then instituting draconian restrictions more akin to a totalitarian state than a developed representative democracy. It was evident that social distancing was seriously impacting mental health, that stay-at-home orders impacted domestic violence, that social distancing not only isolated people it made it impossible for the homeless to get any help or find shelter as even the National Parks were closed. It appeared that not only the economy was shutting down but vital organs as well. The fear generated by government through the media and the constant bombardment with "death" statistics was a mantra that was deeply distressing and depressing for many people. People believed the statistics because the narrative indicated it was based on the science. What was curious was how well coordinated the Australian Government was and how quick to use the exact same narrative as the UK and the US. It was as if there had been a longer term preparation. There were many things that didn't make sense if keeping people apart to keep them together was true. The closing down of small business who have very low people contact compared to the multinational companies who had preferential treatment as a "essential" they also had a coordinated response by not allowing people to enter unless they wore a mask and observed the 1.5 metre distancing rule. It was like the public were being trained to fear each other, to keep away and to not talk about what was not only a disruption but a complete shock to their normal lives. It was not a new normal it was a form of deprivation and oppression that a free society had never experienced. It gave them a glimpse into a totalitarian future where dictators turn edicts into law on the basis of science that overtime has been proved to be erroneous.

This report is to gather some of the most important evidence together over 18 reports that are a detailed analysis of the BIG PICTURE to assist the public in making sense of what appears nonsensical given the low risk for the majority of catching a virus and 0.004% risk of dying and the cases are all faulty given the so-called gold standard is the RT-PCR test whose inventor said couldn't diagnose disease, it was a amplification tool for research, yet cases can be falsified by increase cycles. Globally it seems most cases have cycles well over 35 which means most cases are inflated. If we turn to death rates which is the real determinant of risk not 'spread', we discover coronavirus (inaccurately labelled as it includes colds and flu) is at the bottom of the list globally. SARS-CoV-2 was never isolated so it is not validated by "the Science" at this point. There would be more chance of sickness and dying from abortion (9,913,702), hunger (2,382,384), cancer (EMF, 5G) [1,909,804], smoking (162,481), alcohol (581,589), HIV/AIDS (390,908), traffic fatalities (313,983), suicides (249,904), malaria (228,095), seasonal coronavirus (influenza, common cold) [21,297]¹. The factors are brought on by social isolation, domestic violence, unhealthy foods (take-aways), police intimidation/brutality, debt (fines, rental arrears) and then giving people the option to agree to voluntary assisted dying as if this is compassionate in a time of great social stress. The major diseases dwarf SARS-CoV-2 featuring: Tuberculosis (1.8 million), measles (95,290) (MMR autism?), whooping cough (91,804), Hepatitis B (89,500), Hib meningitis (75,703), Tetanus (38,134), Meningococcal meningitis (29,967), yellow fever (4,786) and Diphtheria (3,624)². The real killer globally not mentioned by the various agencies putting out death criteria is war, which as the Iron Mountain report suggests is undertaken as a form of depopulation and eugenics not some lofty principle of freedom or democracy (both being shutdown today). What is dignity? What is value? What is self determination? What is respect? What is psychological abuse? What is physical abuse? What is the truth? The latter sets us free.

This report will delve deeply into the major evidence uncovered by this extensive investigation into the Australian government, global players, vested interests and endemic corruption that has been absolutely shocking. It is like the tower in the tarot, a complete shock.

This report is called COVID19(84) or Evolution as after the dust clears we will need to make a clear choice to decide which direction we are collectively as a human society, will select. This is a major test of WHO WE

¹ *Worldometers.com*

² *Global Burden of Disease Study, 2017, Ourworlddata.org/vaccination*

ARE. The fact that governments are directly involved means it is extremely stressful for civil society to confront as it means confronting the pink elephant in the room, the very authority to whom we hand over our power to protect us. It is a social contract that has come to an end. This journey has been an awakening not unlike a mask coming off to truly see what is true. Denial can poke up as we don't want to go there, it is too hard to handle. Our lives will go back to normal. We will tell ourselves *they wouldn't do that!* We will say *we believe the official line* yet reality is in plain sight - no-one is dropping dead in front of us. We are all healthy. Yet we hear testimonials from famous people. *Tom Hanks wouldn't lie.* We hear Home Affairs Minister Peter Dutton say he was sick, yet he lived. Donald Trump said he got COVID-19 and then took Hydroxychloroquine. He lived. We see nurses in hospitals. Hospitals are empty. Everyone is repeating that COVID-19 exists. *It has to be true.* We don't believe ourselves or our experience, the experts know better. That is the problem we are confronting. Our powerlessness.

When the student is ready the teacher appears. Is this Future Ready or ready for a future possibility? All are masters awakening to the greatness in humanity. That is what is being fought at this time. The elite know.

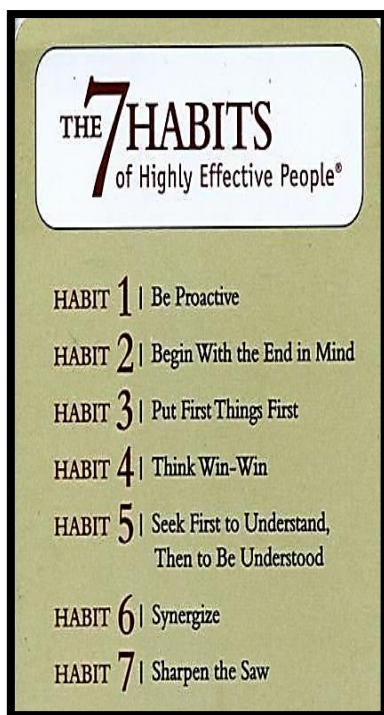
We are rounded up and told red is blue. Remember **Chicken Little** who said *the sky would fall in* and it didn't. The **Emperor's New Clothes** is a famous story of two cons who told the Emperor he had the finest clothes. They made out they had made the clothes. The Emperor was convinced, he believed it then saw it. Thus believe and you will see. He walks down the street and the people keep up the ruse cheering and pretending. Until he sees a child in the crowd who points and says 'look the Emperor has no clothes'. Everyone laughs, as they really knew it was true but *were too scared* to say. As a lie repeated enough becomes the truth. Remember **Y2K millennium bug**, everyone was convinced the world would end at midnight 2000. Same with 2012 it was the **end of the Mayan Calendar**, it is the end. What about **911**? We were told that the *middle eastern terrorists* did it (Osama bin Laden). Later we find out Osama bin Laden was a CIA operative utilised during the Russian invasion of Afghanistan. CIA Whistle-blower Susan Lindauer reveals in her book "Extreme Prejudice" that 911 was a Deep State CIA false flag operation. That was more shocking than the towers falling. Not unlike an illusion collapsing. How many more events have been intelligence agencies or Deep State operations to make us believe we are under attack, cause maximum fear, pass regressive legislation to ensure society loses more rights. What does it do to us? We divide, we become suspicious and fearful. We give up our power to give the government to keep us *safe*. A really good film to watch is **The Circle**, it is about the compliance culture of Silicon Valley and how easy it is to mind control people when a trusted figure says it is so. We are watched 24/7 as *radical openness* is a good thing and privacy is secrecy, concealment. Suddenly it is a social "bad". This is social engineering that tells us what is right what is wrong to suit a purpose. Then it escalates when we use the power of social media to demonise the "bad person" (e.g. the one not wearing a mask, making others unsafe). What happens if that person feels *stalked and dies* as a result? Is it like a violent video game, doesn't feel real or do we pinch our cheeks and say a real person died because of a belief, a label that saw them as a "enemy" when they just were living in freedom. So easy is the mobbing mentality to cultivate. Mobbing is a term of bullying where we gang up on others, a crowd attack of group think. How many hassled a person not wearing a mask during COVID-19? My friend was followed and given critical looks as they believed she didn't conform and made others not safe. She has asthma and couldn't wear a mask. How many knew the masks drop oxygen? How many know breathing in can fill the lungs with fibres? No-one informed that you to breath in your own CO2 and viruses/bacteria? That the mask is not good for health or the immune system – according to the Science. How many police enforced this edict not based on science but encouraged by leaders to force a whole society to conform so those at the top *can experiment with totalitarian control* in a democratic society to move towards a Global New World Order, step by step. Conformity is a "good", independent thinking is a "bad". How easy we *go along to get along* as we **give up integrity, truth, civil rights so others won't hurt us**. Where does it all end if all comply? This report will help distil a possible future.

They will always say they are doing it for the benefit of the people – safety, social order, anti-terrorism, public health and so on. Yet like the story the *Wolf in Sheep's Clothing* things are not as they seem. There is a parallel agenda going on that we can't see unless we critically think. We were misled by the media, the repeated mantras (PR), the testimonials which confirm it is true. It feels uncomfortable to ask questions that confront the dominant narrative.

When I met Edward de Bono (Six Thinking Hats) he shared Lateral Thinking. He was teaching business leaders, the United Nations and educators the power of creative thinking, to step out of the box in order to see differently. I note no leader is encouraging this type of different thinking. Edward saw clearly the problem with the human species was to do with the lack of training in our lateral thinking. He regarded thinking as linear, logical, conforming and unable to step out of the box (our prison) believing the world is what is believed and then seen.

Stephen Covey recognised we are in patterns of habits. These become the groves unable to change. Those who want the world to change to please them. Yet good habits see through chaos to an underlying order.

1.1 7 Habits of Highly Effective People



The first three habits surround moving from dependence to [independence](#) (i.e., self-mastery):

1 - Be [proactive](#)

Take responsibility for your reaction to your experiences, take the initiative to respond positively and improve the situation. Recognize your Circle of Influence and Circle of Concern. Focus your responses and initiatives on the center of your influence and constantly work to expand it. Don't sit and wait in a reactive mode, waiting for problems to happen (Circle of Concern) before taking action.^[4]

2 - **Begin with the end in mind**

Envision [what you want in the future](#) so you can work and plan towards it. Understand how people make decisions in their life. To be effective you need to act based on principles and constantly review your mission statement. Are you - right now - who you want to be? What do I have to say about myself? How do you want to be remembered? If habit 1 advises changing your life to act and be proactive, habit 2 advises that *you are the programmer!* Grow and stay humble.

All things are created twice. Before we act, we should act in our minds first. Before we create something, we measure twice. This is what the principle is about. Do not just act; think first: Is this how I want it to go, and are these the correct consequences?^[5]

3 - Put [first things first](#)

	URGENT	NOT URGENT
IMPORTANT	<p>Quadrant I urgent and important DO</p>	<p>Quadrant II not urgent but important PLAN</p>
NOT IMPORTANT	<p>Quadrant III urgent but not important DELEGATE</p>	<p>Quadrant IV not urgent and not important ELIMINATE</p>

Matrix of importance vs urgency that [Stephen Covey](#) and [Dwight D. Eisenhower](#) used in deciding where to invest their efforts. Talks about difference between [leadership](#) and [management](#). Leadership in the outside world begins with personal vision and personal leadership.

Talks about [what is important and what is urgent](#).

Priority should be given in the following order (in brackets are the corresponding actions from the Eisenhower Matrix):, [\[6\]\[7\]](#)

Quadrant I. **Urgent and important (Do)** – important deadlines and crises

Quadrant II. **Not urgent but important (Plan)** – long-term development

Quadrant III. **Urgent but not important (Delegate)** – distractions with deadlines

Quadrant IV. **Not urgent and not important (Eliminate)** – frivolous distractions

The order is important; after completing items in quadrant I, we should spend the majority of our time on II, but many people spend too much time in III and IV. The calls to delegate and eliminate are effective reminders of their relative priority. If habit 2 advises that you are the programmer, habit 3 advises: *write the program, become a leader!* Keep personal integrity: what you say vs what you do. [\[8\]](#)

We are not unconsciously run by programmers in Silicon Valley, we write our own program to empower us.

Interdependence

The next three habits talk about [Interdependence](#) (e.g., working with others):

4 - Think [win-win](#)

Genuine feelings for **mutually beneficial solutions or agreements** in your relationships. Value and respect people by understanding a "win" for all is ultimately a better long-term resolution than if only one person in the situation had gotten their way. Think Win-Win isn't about being nice, nor is it a quick-fix technique. It is a character-based **code** for human interaction and collaboration. [\[9\]](#)

5 - Seek first to understand, then to be understood

Use [empathetic](#) listening to **genuinely understand a person**, which compels them to **reciprocate** the listening and take an open mind to be influenced by you. This creates an atmosphere of caring, and positive problem-solving. *[note: my approach is not to influence, as clarity is not persuasion it is leading by example. I want them to think what they think. If I presume I am right I take away their right to choose, I err on I may be wrong they may be right!, ultimately the outcome is determined by - what serves you/others and what does not]*

Habit 5 is greatly embraced in the [Greek philosophy](#) represented by 3 words:

- 1) [Ethos](#) -- your personal credibility. It's the trust that you inspire, your Emotional Bank Account.
- 2) [Pathos](#) is the empathetic side -- it's the alignment with the emotional trust of another person's communication.
- 3) [Logos](#) is the [logic](#) -- the reasoning part of the presentation.

The order is important: ethos, pathos, logos -- your character, and your relationships, and then the logic of your presentation. [\[10\]](#)

6 - [Synergize!](#)

Combine the strengths of people through positive [teamwork](#), so as to achieve goals that no one could have done alone.^[11]

Continual improvement

The final habit is that of [continuous improvement](#) in both the personal and interpersonal spheres of influence.

7 - Sharpen the Saw; Growth

See also: [Kaizen \(continuous improvement\)](#)

Balance and renew your resources, energy, and health to create a [sustainable](#), long-term, effective lifestyle. It primarily emphasizes exercise for physical renewal, good prayer (meditation, [yoga](#), etc.) and good reading for mental renewal. It also mentions service to society for spiritual renewal. Covey explains the "**Upward Spiral**" model in the sharpening the saw section. Through our conscience, along with meaningful and consistent progress, the spiral will result in growth, change, and constant improvement. In essence, one is always attempting to integrate and master the principles outlined in The 7 Habits at progressively higher levels at each iteration. Subsequent development on any habit will render a different experience and you will learn the principles with a deeper understanding. The Upward Spiral model consists of three parts: learn, commit, do. According to Covey, one must be increasingly educating the conscience in order to grow and develop on the upward spiral. The idea of renewal by education will propel one along the path of personal **freedom, security, wisdom, and power**.

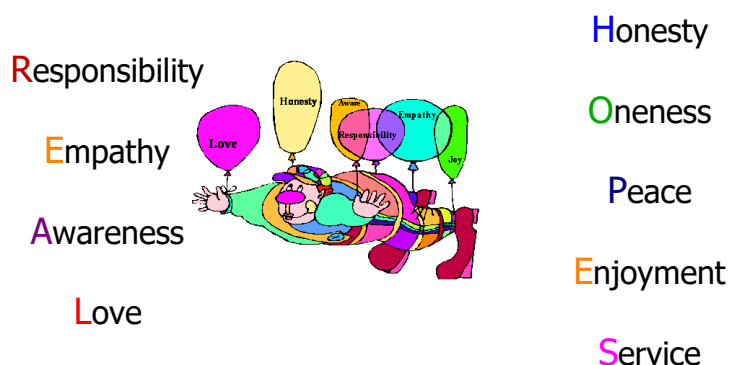
1.2 A Holistic Problem Solving Model

This model was created when going through a personal reset to a higher consciousness. Clowning was the approach that brings happiness and it is a great medium for teaching peace to children. The clown is childlike and is the best way to reach children as equals and with fun.

The **REAL HOPES** model is an innovative shift from rational left brain analysis and argument (linear) to a combined holistic (creative) perspective. It is an acronym for: Responsibility, Empathy, Awareness, Love, Honesty, Oneness, Peace, Enjoyment and Service.

The **REAL HOPES** model is a powerful problem solving integrative model which enables holistic and inspired solutions. It guides people to access their own values system when thinking about problems. The model ensures that responses to problems come primarily from personal values, experience and awareness, thereby producing truly evolutionary solutions. That is, we evolve our thinking to incorporate both thinking and feeling to catalyse balanced solutions.

... Because we KNOW WHAT TO DO when we really listen to ourselves.



To Be of **Service** to the world means you pre-serve it in Love, Truth and Joy

The **REAL HOPES** model is linked to symbols for easy recall. This is particularly pertinent for the children's values based peace, non-violence and anti-bullying program. It is applicable to any human program that requires people to see differently. The model is used in conjunction with the clown image as fun and symbols to facilitate accelerated learning by association.

The values are expressed in the recognisable words of **REAL HOPES**. It also generates a visual impression of positivity and is the prism through which possible futures are visible.



Responsibility – when we are respons-able we are able to respond, we can do something. It is in our hands.



Empathy – is the ability to step into another's shoes, to feel their feelings.



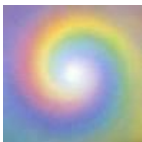
Awareness – to be able to clearly and honestly see ourselves and others. To be aware of the consequences of our thoughts, words and actions.



Love – is the heart of non-violence. When we act in love we expands potential, reveal, share, care and heal ourselves and others.



Honesty – the truth will set you free. Jesters were able to tell the truth in a humorous way. Truth makes the real world visible.



Oneness – is a concept that we are one world, interconnected to each other and creating a sense of unity.



Pease – is balance and harmony. To be peaceful means you see all the people as different colours in the painting of life. Like white light you absorb all the colours as part of yourself.



Enjoyment – is true happiness in the knowledge that you are being yourself and open to the beauty of life.



Service – Is to pre-serve the world. That is to give or share yourself with the world. It is in giving that we become aware of our own richness. When we think there is not enough we become focused on getting more. The challenge is to turn selfishness in to self awareness.

1.2.1 Personal Wisdom

As a citizen when confronted by injustice or difficult challenges I have chosen to take a proactive empowered approach from a positive intention. Over the years I have learned some critical ways to empower myself:

1. I am the creator of my reality
2. To embrace the fool is to learn freedom from fear
3. A journey of a thousand km/miles starts with the first step
4. Act before you think
5. Look for the good
6. Be grateful for what is working and what is not
7. Stand in another's shoes – they are me with empathy
8. I know that I don't know –wisdom is open to possibility
9. I don't know that I don't know – ignorance is unconscious
10. The enemy is the teacher - there are no enemies only unquestioned thoughts
11. Projection is believing my thoughts as true, no two people have ever met
12. You think as you are not as they are
13. What you think about you bring about, Ask and it is Given – law of attraction
14. What you put out returns to the self
15. You get in life what you need not what you want
16. Life is about learning not earning
17. Love is the meaning in the question and the answer
18. Equality is balance and balance is peace
19. All anger and violence is a call for help
20. There are no mistakes as we are not in control
21. Pain is a belief that I am powerless
22. Power is power within not power over
23. REAL HOPES is value-able

Responsibility, Empathy, Awareness, Love, Honesty, Oneness, Peace, Enjoyment and Service

In 1998 I dreamed I was teaching peace. This felt like a shift in consciousness as I have never thought of it before. This dream awakened me to a new future. I believe COVID-19 is the very catalyst that will move us collectively to a renewable future.

Without the dream I would have lived as a market analyst, making good money but I would never have found my purpose. To be a Fool was my purpose. To step off the cliff of certainty. To write my own script. To trust life will fulfil my desires. To be open to possibility. On the other side of that: To write and get no answer. To go to regulators and experience no justice. To go to court and experience bias and prejudice. To experience poverty and homelessness to realise the social destruction of economy. To realise the government do not care for the poor as they perceive them as "worthless".

I set aside all money and followed my dream. I never returned to a life of security but I found something much greater, the truth of who I am. I came to realise that when I follow what is true for me, new ways of seeing open. REAL HOPES arose out of the Fool's Journey (Heroes Journey). I have extracted the Contents page out of my book 'A Fool for Peace' to demonstrate what happens when you live in love not fear. My walk is an example of the potential of my humanity.

Perhaps that is why some want to shutdown humanities by raising the price and replacing it with STEM (Science, Technology, Engineering and Maths). Yet I laugh, ironically the shutdown of economy is exactly what we need. I shut down my economy when I was no longer motivated by money. I could see my potential was unrealised, funnily enough I was sitting at the City of London on a temp job as a trained economist employed to generate graphics for presentations. I also recognised the financiers were just sitting there looking at lines on screens and wearing expensive clothes. I saw through the illusion. We did the same thing but were labelled differently.

I stepped me out of the illusion to live a life of discovery. When we all decide to take back our power, our happy destiny is unavoidable. If we cave into the fear, compliance, ID'g, DNA vaccines, bullying then we lose our power. This is powerlessness and mental health issues arise as we feel weak and depressed. Yet the power is always there no matter transhumanism. You only need ask. Nothing can control you unless you give on some level agree. They may choose to not ask permission but on a higher level the only thing that matters is what you choose. That is your universal vote. So come and be a Fool with me and not be fooled (dichotomy).

You can search for A Fool for Peace or go to my website www.worldpeacefull.com

This book is a result of proactive choices. If I'd worried about the money I would never have taken the chance. Interestingly, it was silent wars, discrimination by management and a realisation that I was a **World** Peace Clown that pushed me to step into uncertainty. The negative led to a higher calling. The hardship didn't stop on my return, in fact, it accelerated. I wanted to end my life many times. Poetry became a process of transmuting negative into positive. It was my philosopher's stone. Creativity crafted a new way of seeing. The next Habit is to Begin with the End in Mind.

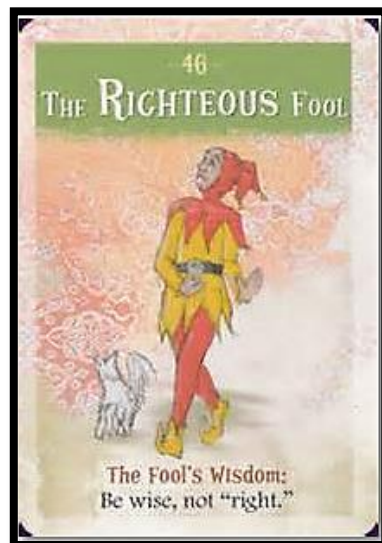
2.0 HABIT 2: BEGIN WITH THE END IN MIND

2.1 We Have a Choice to Make

We have a choice. There are two possible endings from which new beginnings arise. One is a holocaust or Cull as depicted by the Rothschild vision and suggested by PM Boris Johnson in the Happen video. This represents destruction depopulation, genetic engineering, atomic misadventure, chaos and death. The new beginning is Smart Cities run by AI and automation in a technocracy.

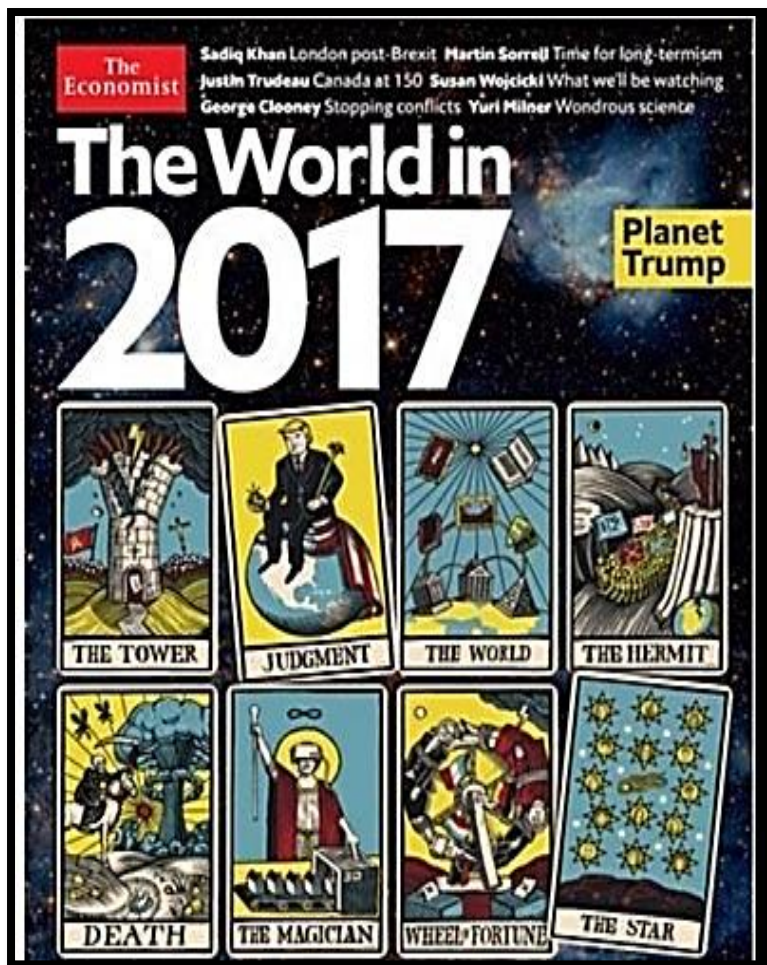


The Death card is very important as it is a key card on the [cover of The Economist in 2017](#) a turnkey year.



The other ending is the collapse of a failing system and renewable futures aligning with nature. This is the card of renewal and empowerment of the peace Fool. I am choosing renewal. The Righteous Fool knows it is better to be *wise* than right. This means *I know I don't know*. It is to live in possibility. Humility arises when you are open. It is to not fight against but flow with possibilities to create a new path that works. The wisdom of the fool is to face life, to not fight but create new possibilities. This is the fun path where there are no enemies, that we sit at the round table with Sir Laugh-a-lot. Laughter is the best medicine as Dr Patch Adams says.

This was the cover of The Economist in 2017. The initiation of the global reset. The cards on the cover represent the following:



The Tower: Dividing Christianity and Islam to destroy religion. 911 (14) marked the Twin Towers hit.

Judgement: The world will judge Trump

The World: Digital singularity, the end of books. The new knowledge is digital and from the one source. It is a digital grid of mind control

The Hermit: Light in the darkness to show a way. Light is depicted as order out of chaos.

Death: Nuclear, atomic level. Attack on cells is equivalent to splitting the atom inside the body. Deconstruct proteins. The mosquitoes are airborne vectors spreading genetically modified diseases. It is depopulation.

The Magician: Is sleight of hand. Liberty has no flame as if unplugged. People are blind to the magic. Automation is the magic trick not sustainability.

The Wheel of Fortune: Is the fall of women (Eve). The snake whispers into her ear (gives her wisdom). She is set up to fail on the wheel. She is bound. She is wearing black as if attending a funeral.

The Star: Is 14 Stars, represents the 14 illuminati families. A spirit in the centre. Sacrificial power. Full Spectrum Dominance. Illumination is darkness.

2.2 Be Thankful

A card was chosen to determine the outcome. There is a smile around this as what gave me resilience when homeless was Gratitude for everything that happened. It was not in the SDG's that balance was found.

THE OUTCOME: Begin with the End in Mind will manifest a positive future. The THANK Fool I sense this is exactly what we are here to learn. It is to be Thankful for all we took for granted in the past. Sometimes you have to lose everything to gain everything.

We can THANK those negative forces for rocking the boat to the point where we can no longer be complacent. We can't put our heads in the sand.

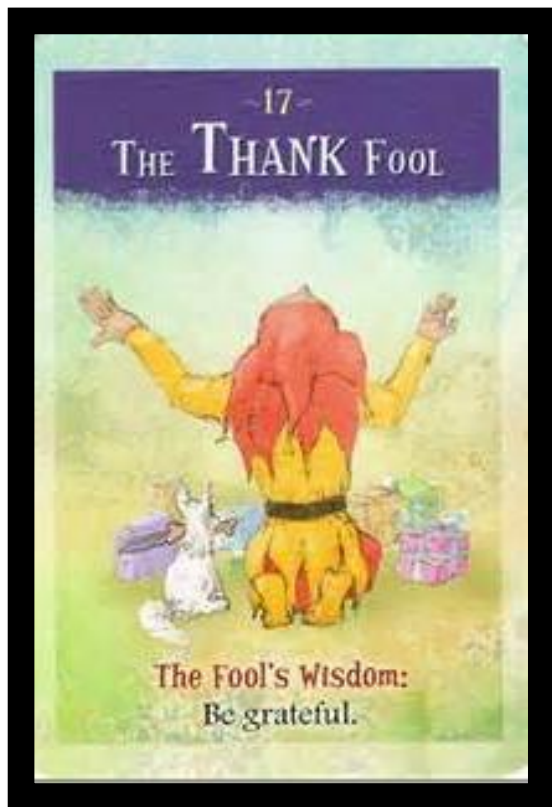
Disruption shakes us up, not unlike the lightning striking the Tower. When the dust settles we will be clear of the illusion, dis-illusionment. We no longer ignore those struggling in our world.

We are one of them.

You are me is the lesson. The poor are not less.

They teach humility and survival against the odds.

Make the most of all you have. Be all you can be.



Give everything to your humanity.

Homelessness

My experience homeless force me to look within for answers. I could see they had made a market out of homelessness. This means the priority shifted from *giving to taking* from empathy to self-interest. This was always going to be a **false economy** as the welfare agencies lost their vision which was selfless service to work for the real needs of people to market based business models which brought with it temptations and large sums of money. It was evident The Salvation Army lost their way as they turned giving into a business. Those at the top I experienced didn't respond to messages but instead judged or were threatened by assertiveness. They became entangled with the illegality of those in positions of power and accepted donations from unsavoury characters. Money corrupts and it was sad to see their legacy corrupted when so many loved the Salvo's only to find out they were making money out of poverty. The same happened to many charities. In the unemployed area the same applied to the Job Providers as they started to force people to take any job so they could get funding. The shift from providing a public service to help those where the economy could not produce full employment became a "greed" driven industry where they were constantly trying to maximise profit to survive in a regulated market/catchment and they started to rot the system and act dishonestly. That is what happens when money is the goal not love.

I realised that the **homeless must assist the homeless**. What is wonderful about meeting homeless persons or reframing it to 'persons without homes' is that there is an instant respect from them to you when they know you have been homeless. The equality is immediately there. If try to be seen to 'do good' the homeless may see just another face in an endless see of faces. However, many times I sat on the ground and we exchanged experiences. I felt honoured to be with them as there was a silent respect. This is the resilient species or 'the meek inheriting the earth' that so many spoke of. They have a hardy gene pool as they know how to survive without money. Those on drugs are weakened as faceless exploitative persons are feeding addictions and taking advantage of hardship. There are two sides to the same coin. As they say what doesn't kill you makes you stronger. They create their reality also, if they believe they are shit then they are that in their eyes. If they hold onto inner dignity, take one day at a time and grasp opportunities that come, then they can emerge out of facing the greatest fear, poverty with wisdom.

This is why everyone works to avoid being on the street, it is the number 1 fear that keeps people enslaved. So when you graduate from the street or a transitory life, you see the magic. I met quite a few writing books.

So this section is to **Begin with the End in Mind**. I felt to include my proposal for the Courtney's Patch Ecovillage. Named after Courtney Herron who was homeless on and off and murdered in Melbourne. I felt strong inspiration around her. In fact my mother rang worried it might be me that was killed. She does know we live on, so if anything happens to me she can be assured it is all good. **I'll never end my life.**

This proposal has been sent to homeless market based agencies, charities, the Federal Government (assistant Minister for Homelessness), Victorian Government (Housing Minister), The ACT Government and many others. I've had not one response. I smile. The reason is there is no money in it for them, so market based economics does not lead us to what we would naturally do if money wasn't the reason for moving forward. I did smile as I know it is the future. Maybe you contact me? What we think about we bring about.

This renewable community will be a place of peace, love, joy, self-knowledge, self-sustainability and designed to *give to the earth* not take. The permaculture skills together with inner peace skills is what brings humans into homeostasis with the earth systems.

As Einstein said:

*"You cannot solve a problem from the same consciousness that created it,
we have to learn to think anew."*

The market will never select independence as the purpose is enslavement (dependence). The market will reward self interest not best interest. The market creates a permanent sense of lack.

This COVID-1984 Report is **dedicated to Patch Adams and Courtney Herron** both teachers on the path. It was produced around the time of the build up to the pandemic. COVID-19 distracted from making my dream real as we have not resolved the power issues that have caused homelessness, I believe that is the last piece in my puzzle. Once we resolve selfishness, the next step is a re-New-able Earth.

2.3 HABIT 3: put first things first

	URGENT	NOT URGENT
IMPORTANT	<p><u>Quadrant I</u> <i>urgent and important</i> DO</p>	<p><u>Quadrant II</u> <i>not urgent but important</i> PLAN</p>
NOT IMPORTANT	<p><u>Quadrant III</u> <i>urgent but not important</i> DELEGATE</p>	<p><u>Quadrant IV</u> <i>not urgent and not important</i> ELIMINATE</p>

Matrix of importance vs urgency that [Stephen Covey](#) and [Dwight D. Eisenhower](#) used in deciding where to invest their efforts.

Talks about difference between [leadership](#) and [management](#).

Leadership in the outside world begins with personal vision and personal leadership.

Talks about [what is important and what is urgent](#).

Priority should be given in the following order (in brackets are the corresponding actions from the Eisenhower Matrix):^{[6][7]}

Quadrant I. *Urgent and important (Do)* – important deadlines and crises

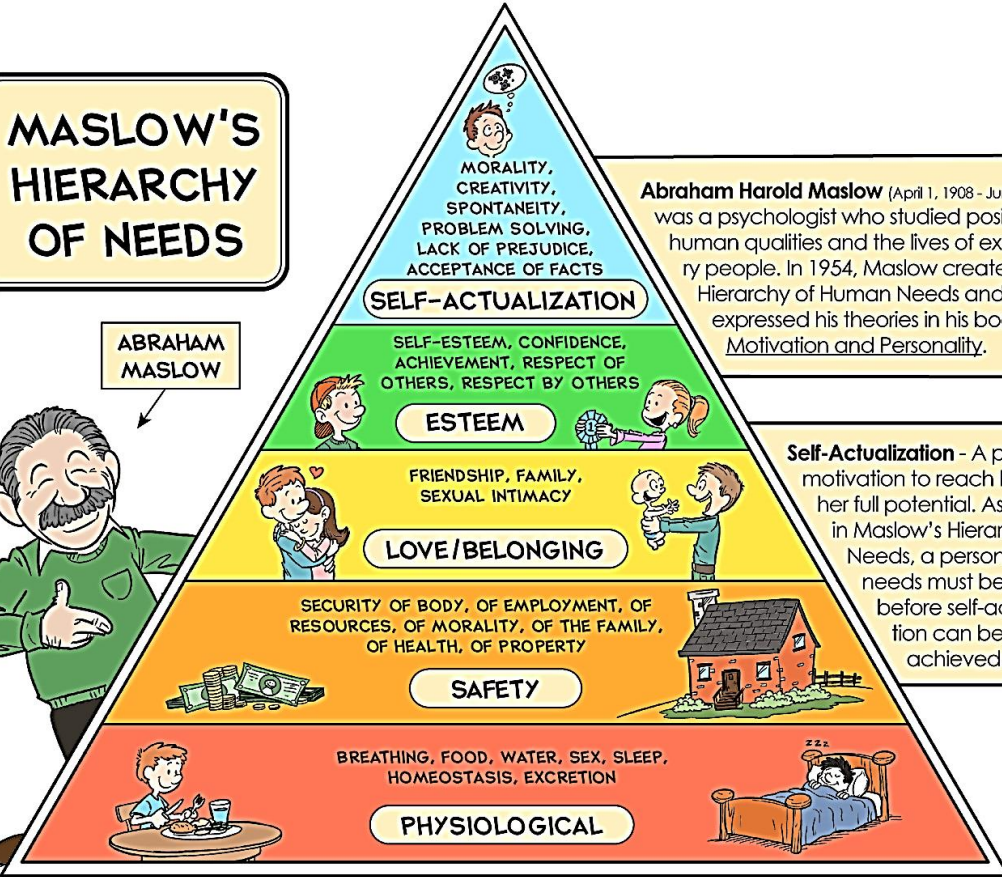
Depopulation/Agenda 2030

- Depopulation is known at the highest levels. Many accept it has to happen without question. The author has been told by insiders. It is a war crime. Many involved are not aware of the big picture.
- The biological warfare is a central issue and is a silent war that can't be seen. The Pirbright Institute patented the coronavirus and Merial Animal Institute located in China. SARS-CoV-2 has recombinants in it designed to weaken immunity. The clues were the Indian study (4 HIV inserts), COVID-19 test kits 2017; World Economic Forum simulation in 2019, Inclusive Capitalism, Wuhan military games, 5G conference in Beijing, masks (lower oxygen activate internal coronavirus), limited sunlight (sun is a disinfectant), ignoring cures (hydroxychloroquine, chlorine dioxide, Vitamin C and D), takeaways (not healthy food), working from home (isolation), loss of freedom (stress), online (smart cities trace computer ID to person, monitor), collapse small to medium sized local businesses. Multinationals profited from disaster capitalism (some had insurance against losses).
- Do not go into denial when confronted with fearful information. This plan has been on the books a long time but we are hearing about it for the first time. It all looks normal, the "new normal" is not normal.
- Be wise/remind yourself: *What you resist persists what you look at disappears, what you think about you bring about (law of attraction), life is a mirror (reflective) and a mask (conceal), everyone is a teacher, life works for me not against me, am I in fear or love? Am I creating enemies or opportunities, no-one is powerless, trust life let it unfold, I am not alone, miracles happen, my life is not by mistake, focus on what you want not what you don't want, know it is darkest before dawn (breakthrough), do not weaken to hate, do not open to division it is deliberate, focus on unity, focus on a bright future, focus on challenges as stones on the path to be overcome. Be a peace fool. Your happy destiny is unavoidable. We will co-create a much better world in freedom and love for all.*
- Find out the facts of this problem get clear. These reports are a starting point from a variety of voices.
- Conscientious objection is to **say no to corruption** or any involvement in a crime. Become aware.
- Do not use iPhone as privacy is illegal compromised. Our voices recorded and we are tracked/profiled.
- Understand the testing: the PCR test does not pick up infectious disease.
- Understand key issues: the RNA gene therapies, aborted fetal tissue, gene drives, human rights, corporatisation of government, control by banking/equity firms, multinational coordination, Gates/Rockefeller Agenda, vested interests bias information, discern propaganda from truth, smart cities/5G agenda, transhumanism, chipping and the power to consent or not. Do not let fear dictate.
- Know the agenda. Research fascism/Nazism/white power and extremism. The Huxley Brave New World and Orwellian features are the blueprint. Removal of rights is a sign as control is exercised increasingly.
- Be mindful of vilification of police, military, individuals, any division and psychological operations that insight anger or hatred. Exploitation has elements of truth but the aim is to disarm opposition.
- Be aware that the gene therapies are not vaccines. Investigate what is in the vaccines for safety.
- Focus on being safe. Those proposing the agenda have 9 billion people to monitor, they feel unsafe in reality. This is where the danger is when people fear exposure. They see enemies not opportunities.

- Do not vilify those perceived as the problem. Many are compromised, fearful, in group think and unaware of the big picture that cares nothing for their wellbeing or families. They too are fearful to challenge.
- Those that are aware and want to see a corporate dictatorship take over are surveilling for 'dissidents' as they fear disclosure. They are turning freedoms into threats. They advance the technocracy.
- The biosecurity Act uses health to turn people into a threat not biosafety labs who created SARS-CoV-2.
- Seek to solve the problem not hate the person. Anger and violence solves nothing it only justifies Marshall law and FEMA camps which are repurposed quarantine camps. They want division and conflict.
- Start a gentle conversation (not online) in person share views in a democratic format.
- Don't expect people to agree with you they are likely to fear this as Australians have never been in this situation before. Many cling to their belief as it appears a global pandemic given media complicity.
- Trust inspiration and inner guidance no-one is cut off from wisdom. We have to reach for a wise solution. Wait until you are clear.
- To invert the pyramid is to be equal, don't replicate power and control. It is the many leading themselves in self empowerment. No saviours here, just self empowerment in community which is choice.
 - *Patch Adams in his famous 'love revolution' speech in Russia spoke of the love revolution where the many lead. We do not live in fear. We must make this a positive proactive approach which models the future world wanted. Do not be lulled into conflict. See www.worldpeacefull.com*
- Everyone is included in this possible future if they choose. There are no enemies only those confused and those awakening. You can envisage it like sleeping. Some wake up early, some like to sleep in, others never get out of bed. We don't judge them, we just wait for them to wake up with a nice cup of tea. Understand. There is no enemy only fear and guilt are the enemies of human kind. Fear is false evidence appearing real. Many on this band wagon believe they are chosen and will be part of the 5% saved. They won't. 99% will be replaced by AI and automation. The top 1% are the bloodline families taking over. Many have been lied to and told to emotionally disconnect and move forward.
- There are foreign interests involved.
- The synthetic mRNA is to wipe out the natural DNA. Cloning does the same. There is genetic engineering which is wiping out the female in future generations. This has been done on mosquitoes.
- There are "off world" players involved in changing human DNA and depopulating our planet.
- We are in this together whether we know this or not. It is time to come together and talk.

MASLOW'S HIERARCHY OF NEEDS

ABRAHAM MASLOW



Abraham Harold Maslow (April 1, 1908 - June 8, 1970) was a psychologist who studied positive human qualities and the lives of exemplary people. In 1954, Maslow created the Hierarchy of Human Needs and expressed his theories in his book, *Motivation and Personality*.

Self-Actualization - A person's motivation to reach his or her full potential. As shown in Maslow's Hierarchy of Needs, a person's basic needs must be met before self-actualization can be achieved.

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Quadrant II. **Not urgent but important (Plan)** – long-term development

Self sufficiency and self determination:

- Genetically Modified foods are replacing natural foods so the population cannot be self sufficient. If they want to survive they have to live off the GMO foods. They will have recombinants in the foods and tracking technologies to monitor us.
- Grow your own natural food, generate power off the grid. Store food and prepared for shortages.
- Start a small business of barter and exchange. Move off currency. Give to live. Life is abundant.
- Talk to your neighbours, friends and family about what is going on. Support each other.
- Adopt a conflict resolution process where each listens to each other. Each takes turns. No arguing just listening and sharing. It is important not to divide into 'do the right thing' and 'Conspiracy theory' this blocks conversations and prevents us from resolving the problem. Respect all views.
- Do not get depressed it is a challenge, we are rising to a challenge and making informed choices in a peaceful way.
- Independence is key. Work your way off any dependency. Come together help each other, share, care, reveal and heal together.
- There is no enemy only our fears not resolved. Life has its own timing and surprises will come.

Quadrant III. **Urgent but not important (Delegate)** – distractions with deadlines

Ecovillages



- Live in likeminded eco-community to benefit people and nature to pre-serve our world. See Solutions for ecovillage ideas. This is important for the poor and those homeless as they need to have places to live for free. They will be the most vulnerable as when cash disappears they won't have access to money. They are also targeted as 'useless eaters'. The dominant mindset sees them as inferior.
- Learn to live in nature as the real sustainability. Learn to live where need equals want, to do no harm, and learn to live in community resolving problems not avoiding them. Learn to democratically make decisions. Learn to share talents to benefit the whole. This is what true community means.
- Use solar power don't use any non-renewables. The planet is very polluted.
- Do not use any Wi-Fi as it damages the DNA and causes cancer. It is surveillance technology.
- Reconnect with your true nature.

Quadrant IV. **Not urgent and not important (Eliminate)** – frivolous distractions

eliminate:

- Toxic thinking
- Negative and mind controlled television and internet. Think your own thoughts.
- iPhones cause brain cancer, used for mind control and surveillance devices.
- Processed foods with additives detrimental for health.
- Any avoidance patterns. We must face life and move through challenges with courage. You can do it.
- Any work if it empowers tyranny or toxic cultures.
- Addictions: Drinking, drugs, sex, gaming etc.

- Be clear and process all feelings as this is a time of clearing the past.



The order is important; after completing items in quadrant I, we should spend the majority of our time on II, but many people spend too much time in III and IV. The calls to delegate and eliminate are effective reminders of their relative priority.

If habit 2 advises that you are the **programmer**, habit 3 advises: *write the program, become a leader!* Keep personal integrity: what you say vs what you do.^[8]

Interdependence: The next three habits talk about [Interdependence](#) (e.g., working with others):

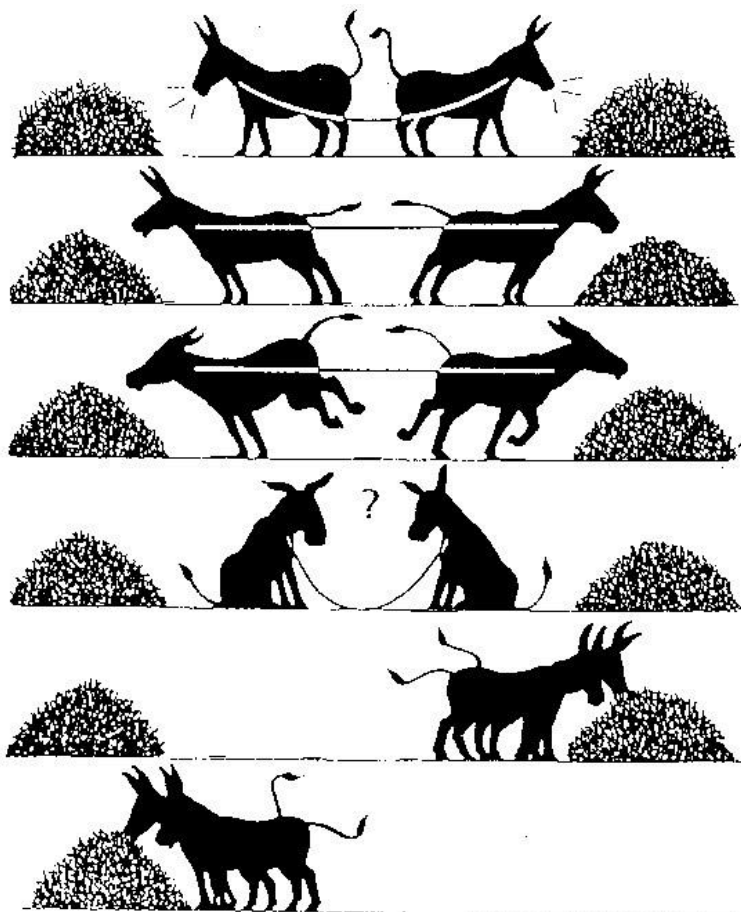
3.0 HABIT 4: THINK WIN/WIN

Those who seek to oppress, shutdown and enslave humanity are **not the enemy**. The enemy is guilt and greed. Fear is in the driver's seat. It is never the people themselves. They just hooked their cart up to belief thinking it was in their best interests.

To remain in a state of positive empowerment it is wise to reframe how people are seen. In conflict resolution it is stated to **not hate the person but solve the problem**. I regard those who cause me the most hardship as (unconscious) helpful teachers. Why? The teacher comes in many guises. They can be the wise crone, a fool, a trickster or monster. Either way they have a lesson to teach. If you can remain open to what the real problem is, you can view them as providing you information by how they behave, what they say, omit, do and the outcomes. The challenge is to not see an enemy but more a guide showing you **who you are not** in order to find *who you really are*. What this means is life through experience shows you what hurts what feels good. You define yourself and life through experience. So you may despise cruelty or abuse, you can say **'that is not me I choose to be kind and safe'**. That is how you decide who you are not. Cruelty when felt teaches not to do it. Same applies to bullying. Although those deeply unconscious who bully will turn it around as if they are the victim and they never bully. You will be shocked at the deception, but denial is a mechanism protecting them from facing what is painful in them, which may be the underlying reason they buried their vulnerability. So people are complex, what is on the surface is **not who they are** but masks a lifetime of bruises and good/bad role modelling. They reflect what they know.

As you awaken others will awaken as flowers opening in the right moment.

A win/win is to not fight against but to learn from the experience it is to confront but in a way that is about knowledge and understanding. You cannot solve a problem from the same consciousness of judgement and hate in order to resolve a problem. You have to step back and observe human behaviour and leave plenty of room for being wrong. You are not in their shoes. That is the place of peace that knows it doesn't know. Not knowing is honesty to think you know it all means you have not examined the many sides. We get



glimpses and our emotional make-up may block or allow information depending on our level of maturity and experience. So there are filters in seeing what is true. To be mindful of this means you are more likely to create a win/win when negativity is not the modus operandi but wisdom. To keep them in mind when solutions are formulated that they can have what they want providing does not feel powerlessness or guilt.

The image of the donkey's pulling in opposite directions is a famous depiction of how we waste energy and are non productive when we go our own way and ignore others. We often won't get what we want or it will be a smaller pie. Some frame this as power when a person makes something happen. Will and intent does direct focus but "it's all about me" is the selfish approach which only fulfils self interest. The economic system teaches this.

Eventually we see as we pull in different directions through conflict and adversarial relationships that it doesn't work. It is a lose/lose approach. At some point we get exhausted with the fight. We may have to sheepishly go to the other party and work out

a solution that serves both. Some negotiate but it is wiser to truly see the other as yourself and help them to get what they want. This can expand the pie rather than shrink it. As you give more abundance pours in as this is life's abundance when two are in agreement. In our economic system everyone is trained to make money, think of self, prove themselves, shine, getr as much material worth as possible to show they are a success. That is the signal. Yet in the real world of human relationships we form bonds with people, we have experiences together, we share our deepest thoughts and we feel love. We notice that we unselfishly give something we loved to make another happy. This is the true abundance in life when you give from the heart. Yet this is not promoted. In all conflicts local or international when we learn to know people not as a strategic objective, or know your enemy or find a weakness, no – when you truly get to know people without an agenda, that is when we come together metaphorically like the donkey's and work together to help each other meet objectives. What you do for another returns to the self is the life currency exchange few know. This is working with life not against it, this is our nature to give as we love each other. It makes us feel abundant that is the natural way of it. We have forgotten.

Creativity is the magic that inspires The Way. Often in crisis we have to step out of roles, selfish patterns and actually pull together to help each other and move in the same direction. We do not waste time over petty disputes but get the job done as there is a real need. This is how we learn empathetic cooperation and this ensures a win/win.

So for all to win we must re-memember community is common unity. It is about putting our trivial power games to the side and coming into relationship with each other opening to diversity and learning how to truly work together without an agenda.

This is where our world will go as we emerge out of human induced crisis. Whist the intent of those crisis may not be about human health or welfare, those on the ground will learn that is exactly what it is about.

4.0 HABIT 5: SEEK FIRST TO UNDERSTAND THEN BE UNDERSTOOD

This section provides insight into the **habit of power** that established the notion of superior and inferior. This drives to the heart of why *homelessness, inequality and war* happens. It is the fundamental imbalance which is why our world is not at peace and sustainability is on the agenda.

The habit of power has as its basis the belief in *entitlement* and divine right that has anchored a perception of power and the right to rule over our reality. It is the foundational root that has kept humanity in chains and terrorised. It is not unlike the Wizard of Oz creating the puff, the smoke, the terror, loud noises, Orwellian faces and then the child sees the curtain (veil) pulls it away and reveals a little man cycling like mad to keep the lie alive. The bike is symbolic for the hamster wheel. To begin with the end in mind is to look at the architects of the power construct. This information are key excerpts out of the series of reports providing an understanding of how the ruling elite see themselves and how they see 'we the people'. The two visions are not the same as we live in different realities. We are born equal (humans) yet we are *same same but different*. It is in the difference that projections of inferior and superior embedded in culture and structured power as win/lose.

4.1 Global Power

4.1.1 Rule by Divine Right

In the establishment in both the UK and the United States there is belief system passed down from father to son in the divine right to rule. The moment this belief was perceived as truth "inequality" was born into the world. What would be seen without this story would be equality.



Great Britain has never lost its empire, it has been expressed in knights, orders, secret societies and crown companies. The Holy Grail is the unreachable goal or impossible staircase and renders the story of King Arthur and the Knights of the Roundtable misunderstood by the Monarch and those subject to rule as a divine right. Of course the Roundtable was a metaphor for a table of equals. Equality was about balance not the embedding of power and powerlessness which has been at the epicentre of all unrest globally. The moment one believes in powerlessness injustice is born and when injustice is felt then a desire to rebalance

the scales of justice becomes the goal and the conflict between the classes ensues. These are battles that have never been resolved as tradition will not look into the mirror but instead masks its true awareness of 'we are born equal'. However, inequality has been the prime driver of the struggle for truth which has in fact developed great resilience and survival in those whose hardy genetic inheritance was favoured by natural selection and ensured the survival of a species for more than 4 billion years. It didn't arise from breeding but bleeding.

The warrior spirit has been framed as the soldier, from a citizens perspective it is the unsung heroes who survive against the odds. It is the mother who gives her life to save her children. It is the single man standing in front of a tank defenceless, it is the young woman working two jobs to get through university, it is survivor of child ritual abuse who reintegrates disassociation fragments to remember horrendous torture (worse than the holocaust) to tell the world her story as she doesn't want another to suffer. This is the power of humanity that is not recorded in his story. Her story left untold as if irrelevant trampled into the dust of the great battles justifying man's inhumanity to man and his inability to resolve underlying conflict with wisdom but instead uses force to profit from enslaving another, rather than solving the problem of imbalance. Instead the world still is based on power over not power within. So in this report it is essential to capture the cultural stories that reinforced the importance of status and violence in order to restore peace which was order.

When the Stewart King James VI of Scotland ascended the throne of England to become King James I of Great Britain, he made a speech that **shocked and appalled the nobles sitting in Parliament**. They had been waxing increasingly bold over the last few years, attempting to limit the powers of the crown to strengthen their own. What shocked them was that James used his coronation speech to remind them of the ancient, traditional belief that a **monarch is chosen by God** to be His emissary and representative on Earth, and ought therefore to be responsible to no one but God. In other words, James was asserting what has become known to history as '**The Divine Right of Kings**', and they didn't like it one bit.

Quotes from the speech show how inflammatory his words actually were:

"The state of monarchy is the most supreme thing upon earth, for kings are not only God's lieutenants upon earth, and sit upon God's throne, but even by God himself are called gods... In the Scriptures, kings are called gods, and so their power after a certain relation compared to divine power. Kings are also compared to fathers of families: for a king is truly Parens Patriae, the politique father of his people... Kings are justly called gods, for that they exercise a manner of resemblance of divine power upon earth: for if you will consider the attributes to God, you shall see how they agree in the person of a king."

The nobles were aghast. This fat, bloated pustule telling everyone to worship him as a god! It seemed patently ridiculous. Even more offensive, James finished up his speech by putting Parliament in its place basically telling them that, since he ruled by the grace of God, any act or word spoken in contradiction of him was an act against God himself. James continued:

*"I conclude then this point, touching the power of kings with this axiom of divinity: that as to dispute what God may do is blasphemy... so is it **sedition** in subjects to dispute what a king may do in the height of his power. I would not have you meddle with such ancient rights of mine as I have received from my predecessors... All novelties are dangerous as well in a politic as in a natural body, and therefore I would loathe to be quarreled in my ancient rights and possessions, for that were to judge me unworthy of that which my predecessors had and left me."*

Although it was James I that made the concept famous, he certainly did not invent the idea of **Divine Right**. The concept is, as we shall show, as old as civilization itself.

As **harsh and dictatorial** as it may seem, such a system actually **protected the rights** of individual citizens from even **larger and more powerful bullies such as the Parliament and the Pope**. When power rests ultimately in the hands of a single individual such as a king, beholden to nobody except God, who need not appease anyone for either money or votes, **injustices** are more likely to be righted after a direct appeal to him. Furthermore, past monarchs who held their claims to power doggedly in the face of increasing opposition from the Catholic Church managed, as long as they held their power, to save their subjects from the **forced religious indoctrination and social servitude** that comes with a Catholic theocracy. Author Stephen Coston wrote in 1972's Sources of English Constitutional History that:

"Without the doctrine of the Divine Right, Roman Catholicism would have dominated history well beyond its current employment in the Dark Ages. Furthermore, Divine Right made it possible for the Protestant Reformation in England to take place, mature and spread to the rest of the world."

The Divine Right practiced by European monarchs was actually based on a more ancient doctrine practiced by the monarchs of **Judah and Israel in the Old Testament**. Many European royal families considered them to be their ancestors, tracing their royal European lineage back to the Jewish King David, sometimes through the descendants of Jesus Christ. Such a line of descent was (and is) known as the "**Grail Bloodline**."

Interestingly, although this theory of mine has long been in the works, I've recently stumbled across an author named David Talbott who shares this hypothesis on the origin of kingship. From a piece on his website, entitled "Saturn as a Stationary Sun and Universal Monarch", we read:

*"A global tradition recalls an exemplary king ruling in the sky **before** kings ever ruled on earth. This mythical figure appears as the first in the line of kings, the father of kings, the model of the good king. But this same figure is commonly remembered as the central luminary of the sky, often a central sun,*

unmoving sun, or superior sun ruling before the present sun. And most curiously, with the rise of astronomy this celestial 'king' was identified as the planet Saturn."

One can see traces of this **ancient progenitor of kings** just in the word 'monarchy' itself. The syllable "mon" means "one" in Indo-European language systems, as in "The One King Who Rules Over All." But in Egypt, "Mon" was one of the names of the sun god, (also called Amun-Re) in its occluded state, at night, when the sun, as they saw it, passed beneath the Earth. The word meant literally for them, "The Hidden One", because he ruled the world (and the Underworld) from his secret subterranean prison. The syllable "ark" comes from the Greek "arche", meaning "original", or "originator." As the first "monarch", Kronos was the originator of kings, the Forgotten Father of all royal bloodlines. Many of our commonly associated symbols of kingship date back to the time when Kronos first introduced it, and are directly derived from him.

For instance, the **crown** symbolizes the (central) sun, the "Godhead" descending upon the brow of the wise king. The Sumerian kings adorned their **crowns with horns**, just like Kronos was believed to have done. The throne was Kronos' seat on his celestial boat in heaven, and has also been passed down to us. Kronos and his descendants were known as Shepherd Kings, an appellation used by royalty throughout history, and this is the origin of the king's **scepter**, which was once a shepherd's **staff**. **The coronation stone and the orb surmounted by a cross are also Saturnian/solar symbols, and the Egyptian word for the sun, Re, may be the source of the French word for king, Roi.**

Kronos, and the god-kings who followed him, were known by the title "Lord of the Four Corners of the World." This has given birth to the universal, recurring archetype of "Le Roi du Monde", a concept that was brilliantly explored in a book by René Guenon of the same name. In a surprising number of cultures throughout the world and throughout history, there exists this concept of "The Lord of the Earth", an **omnipresent** and eternal monarch who reigns from within the very center of the Earth itself, directing events on the surface with his **superhuman** psyche. In the **Judeo-Christian tradition, "The Lord of the Earth" is a term applied to Satan, or Lucifer**, who, like Saturn, was the brightest star in Heaven, but was cast down by God. Like Saturn, he was imprisoned inside the bowels of the Earth, in a realm called Hell.

In fact, it is quite clear that the figure of Satan comes from Saturn, the "Fish-Goat-Man", and obviously the two words are etymologically related. Perhaps this is why the "Grail Bloodline", the divine lineage from which all European kings have come, is traced by many back to **Lucifer**. The medieval Christian heretics known as the **Cathars** took this concept to its logical conclusion. They insisted that, since Satan is the 'King of the World' ("Rex Mundi", as they called him), and Jehovah was, in the Bible, the one who created the world, Jehovah and Satan must be one and the same. For preaching this they were massacred unto extinction by the Papacy.

However, in the Eastern tradition, "the Lord of the Earth" represents the ultimate incarnate manifestation of **Godhood**. They too see him as ruling his kingdom from the center of the Earth, in a subterranean city called either **Shamballa and Agartha**. And in this tradition, the Lord of the Earth is also a super-spiritual being capable of incarnating on the surface of the Earth in a series of 'Avatars', or human kings who rule various eras of existence.

According to New Age author **Alice Bailey**:

"Shamballa is the seat of the 'Lord of the World', who has made the sacrifice (analogous to the Bodhisattva's vow) of remaining to watch over the evolution of men and devas until all have been 'saved' or enlightened."

One of the names that the Hindus use for "The Lord of the Earth" is **Manu**, who, writes Guenon, is,

"a cosmic intelligence that reflects pure spiritual light and formulates the law (Dharma) appropriate to the conditions of our world and our cycle of existence."

Author Ferdinand Ossendowski adds:

"The Lord of the World is in touch with the thoughts of all those who direct the destiny of mankind... He knows their intentions and their ideas. If they are pleasing to God, the Lord of the World favours them with his invisible aid. But if they are displeasing to God, he puts a check on their activities."

These are obviously activities that human kings, as incarnations of the Lord of the Earth, are expected to replicate in their own kingdoms to the best of their ability. In fact, a number of human kings throughout history have been viewed by their subjects as incarnations of the "Lord of the Earth", embodying the concepts that he represents. These include **Charlemagne, Alexander the Great** (who was believed to have horns literally growing from his head, just like Saturn), and **Melchizedek**, a mysterious priest-king mentioned repeatedly in the Old Testament and imbued with an inexplicable importance. He was called the "**Prince of Salem**" (as in **Jeru-Salem**), and is said to have shared bread and wine with Abraham on Mt. Moriah. Some believe that the cup which they used is the artifact that later became known as the Holy Grail.

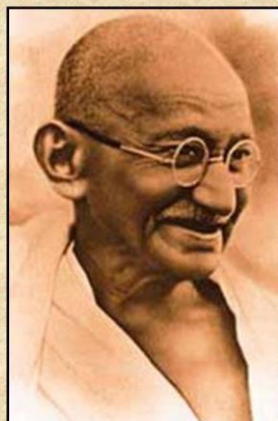
Some have also identified him with another king of Jerusalem, Adonizedek, and with Shem, Noah's son. Nobody knows what his ancestry is, who his descendants might have been, or why, thousands of years later, **Jesus Christ** was referred to in the scriptures as, "A priest according to the Order of Melchizedek."

Of Melchizedek's significance, René Guenon writes:

"Melchizedek, or more precisely, Melki-Tsedeq, is none other than the title used by Judeo-Christian tradition to denote the function of 'The Lord of the World'... Melki-Tsedeq is thus both king and priest. His name means 'King of Justice', and he is also king of Salem, that is, of 'Peace', so again we find 'Justice' and 'Peace', the fundamental attributes pertaining to the 'Lord of the World.'"

Underlying the grail lineage is the justification that those in power have a divine right to rule or conservative's belief they are born to rule and the rest are slaves. This reflects the dark/light elements. The Luciferian cults in a range of manifestations were born anchored in these belief system. All have a divine right to live as God intended which is to live to the fullest potential to express all the gifts and talents for the expansion of humanity. However, humanity had to go through the idea of 'what you are not' in order to remain a seeker to then discover 'who you are'. The nobility or kingship was the inner yearnings for "specialness" and "superiority" which is the ego in search of identity. Underlying the ego is a real and present fear of vulnerability in a world that is not predictable and in earlier times, a dangerous world of tooth and claw in contemporary times referred to as a "Hobbesian Worldview". Of course this view is a western notion and language can never capture the full scope of humanity in its great diversity across traditions, languages, cultures and epochs.

Inequality was embedded from the nobility, chiefs, the landed gentry, gender, social order, the mercantilists, trading companies, managers to the notion of a head of the household. These are deeply embedded underlying belief systems that formulate identity and justify behaviour. Unseen is this dichotomies entrenching the perception of powerlessness which is at the centre of all disruption as instinctively the human condition seeks and reaches to rebalance what is out of balance. When one speaks up to power this is the truth rebalancing. When one revolts this is action taking back power. When one exists servitude this is the realisation that slavery does not exist and so on. Gandhi realised fundamental truth. He was not superior to any person, he simply realised truth as God or God as truth. This is the force that is more powerful than any army, nuclear weapon or dare I say it, virus. Truth is truth.



"When in despair I remember that all through history the way of truth and love has always won; there have been tyrants and murderers, and for a time they can seem invincible, but in the end they always fall."

M.K. Gandhi

The empires always fall because the cosmic reality is calibrated to balance.

Imagine a see-saw, you need two to start motion, the diversity is the motion set at different rhythms, if they are the same nothing happens (static). The central fulcrum is the balancing point, the see-saw is constantly seeking balance which is what creates the dynamic of movement. Therefore the great "singularity" some refer to is winning the war. The trick is not to win but to play.

Gandhi was childlike. Perhaps the rules of life are there are no rules.

In the contemporary understanding, the war against truth has been an endless war of terror to deny, suppress, intimidate, bully or murder those which are seen to mirror what is not accepted as truth. This is where humanity is the mirror of earth systems which are programmed by homeostasis to return to zero point

or balance and then separate as conditions change in order to use powerlessness to expand awareness. There is intelligent design moving life to experience the yin and the yang.

Moreover, over the course of many life times we have been the pharaoh, the King/Queen, the medicine man, merchant, farmer, slave, man, woman, victor and victim. This we don't recall but hidden in our DNA as the memory of lifetimes expanding life into new frontiers. In reality all are nobility, all are honoured, all are infinitely valued and all have suffered as life is the mirror and the mask. Always the questions must be *'what have I learned?'* and *'who am I in relation to x,y?'* And *'who do I wish to become?'* *Growth, self definition and intention* is the purpose of a contrasting life experience where each play a role to experience life in its myriad forms. That is the why the wise say 'judge not' or you will be 'judged'. Peace doesn't stop the dynamic, peace realises the dynamic.

Life is reflecting back our own projections but when we are not awakened to this truth we still are fighting shadows. That is why the unowned part of ourselves referred to as "the shadow". The "shadow" is that aspect we might call "evil" or the "dark side" it is simply an aspect believed as identity existing in the absence of love. This is why love is not believed in and life is perceived as 'dog eat dog'. The shadow has been explained by masters as the shadow of a blade of grass. It is no the grass, it is simply the shadow cast by the sun, it is not real. Therefore, the anger, violence, jealousies, abuse are aspects experienced not in order to inform who they are. Thus, in-formation. This is what is meant by Order out of Chaos. Carl Jung, the Swiss Psychoanalyst brought this unconscious driver of the "shadow" to the surface in his book "Memories, Dreams and Reflections. Synchronicities were markers along the way reminding that life is not happen-chance, that all is connected in a super-conscious, conscious and sub-conscious way. To glimpse into the infinite nature of divine expression is to experience all facets of the diamond, which is not a divine right but God given as it is unconditional love in a myriad of forms.

It has been said that something as
small as the flutter of a butterfly's
wing can ultimately cause a typhoon
halfway around the world.

- Chaos Theory

The spiral becomes the next movement catalysing chaos. Whereby one asks:

'what do I choose next?'

A poem arrives.

FACING FEAR AS FALSE EVIDENCE APPEARING REAL IS THE ROAD THAT TAKES US HOME

Carl Jung built the tower at Bolligen,
 He built his castle by hand to remain grounded,
 As I walked around the grounds of the perimeter,
 I saw symbols carved into sea walls,
 Like myths they were deeply etched,
 For beliefs carve the fears,
 That are buried in the unconscious,
 Yet they are only fears,
 Thought forms revisited,
 That only create form,
 When pain is the visitor.

To become fearless takes courage,
 For courage is simply the facing of fear,
 A willingness to experience pain,
 And move through it with strength,
 For when one does,
 The fear disappears,
 Like the mist of illusionary clouds,
 That never really existed,
 Forever changing and illusive.

The fortress can never exist,
 When one lives in love,
 For there is nothing to protect,
 Love opens to all,
 For all are acceptable,
 All are seeking peace,
 Chiseling a different purpose,
 In the mosaic of this life.

To find the channel to the sea,
 One need only ask 'what do I want',
 'who am I',
 'what shall I be',
 For these thoughts open a new pathway from the
 maize to the sea,
 For only walls exist in the maize,
 It is designed to lead you to dead ends,

Many remain in the darkness looking down,
 For they cannot see the horizon only walls,
 They believe they are trapped,
 Yet it is only in the mind that walls exist,
 For only the clever rise above obstacles,
 To see the real game.

The heroes that have found the outlet,
 Who have felt the breeze of freedom,
 Are no different from you or I,
 They simply saw the game,
 They dismantled their walls,
 Each brick embodied hardness,
 For it is hard to dismantle the old home,
 Fear made its home in the heart,
 And it is in the heart that we must go home,
 For as each fear is faced and removed,
 The love of light filters into dark musky spaces,
 The blue sky becomes the ceiling,
 The wind whispers 'life' into your ear,
 The fields of sunflowers smile and wave at your
 nature,
 Which was always free,
 To choose.

As I close my eyes,
 The warm sun cocoons me in a loving embrace,
 I smell the grass and hear the bees,
 As the breeze frees my thoughts like seeds on the
 wind,
 I let go of all attachment,
 For I am the watercolour that blends,
 For I am a part of this picture,
 I am a new story,
 A new sensation,
 That appears as a fairytale,
 For there is always happy endings,
 And new beginnings,
 When love is all there is.

4.1.2 Iron Mountain High Level Meeting: No Possibility or Desirability of Peace

This extract from the Global Research Report lays the groundwork for the New World Order or Orwellian Future or Brave New World. This is the reason peace was seen as "the enemy", there was never an intention to deliver world peace. It was all about being seen to be representing the people's of the world but ultimately it was about power and global control.

From a higher perspective peace is not only possible it is inevitable. What is required is not a change in politics, but a change in consciousness. Humanity cannot evolve before its time and each step is on the journey to self realisation. However, we start with who we are not which resonates with the level of consciousness the collective is perceiving from. Perhaps we climb to the top of Iron Mountain to gain another perspective on the foundations establishing the pillars of power.

The Iron Mountain report represents the foundation of the Global Elite Agenda 2030. They are the beliefs that have underwritten an Orwellian frame of reference. I believe it is central to the military war system that believes "war is peace" and echoes the Orwellian philosophy that is awakening the dragon today. This is not to say that great breakthroughs have not occurred through the military accessing the many talented men and women whose skills and ingenuity were employed in war not peace. Iron Mountain is the foundational and ideological basis for justifying the "good" of war when millions of civilians have been maimed, injured or killed under the erroneous banner of "freedom" or "democracy". It was Dwight Eisenhower who warned the world about the rise of the Industrial Military Complex (IMC). Kevin Shipp, ex CIA has made clear in his work that the IMC complex is part of the Deep State, unaccountable to public oversight with high level clearances garnering power and influence through contracting. We see it with multinational companies as they concentrate wealth through exclusive contracts and access the inner workings of governments. **The public in this report are clearly the enemy and expendable.** In fact **reducing population** through militarism is considered a "good". I ask any military person or political conductor to look into the eyes of those who have family members killed and explain the "good". In reality people left behind spend their lives in extreme pain over their loss as we have close bonds of love. The public are **not commodities or vermin to be culled** nor is it a question of inferior genetics but rather a system of economics which has favoured "greed" over "kindness" which has weakened the species resiliency as the people were made dependent on the system rather than own skills and capabilities. The people have extraordinary talents which lay largely dormant as they are placed in scarcity and poverty with a fear mentality which pinches off their exceptional potential. Many believe they are less and must hand over their power. This is the great deception peddled silently as truth amongst so-called ruling class. I myself have had the conversation with a member of the ruling class where it was earnestly believed the people were genetically inferior. I literally asked the question and to my amazement this was believed. So I know the genetic issues raised in Iron Mountain are a fundamental belief that **drives inequality** and structuring the system to benefit the few. What the planners from Iron Mountain do not seem to know is that we are **born equal as a literal truth**, the inequality is in our belief systems. As for the concern for the gene pool, the weakening of the species has come from the rewarding of "greed" as this has caused a massive imbalance on the planet where natural signals are not being met through supply and demand mechanisms. Decisions are made on the basis of shareholder value not civilisation value. Moreover, resource allocation is based on the highest yield not a coordinated distribution to ensure the best quality food, products in harmony with nature, reach the people. For example the equation $GDP = C+I+G+(X-M)$ focuses on production, it does not include ecological damage, built in obsolescence, harm, pollution, inequality, externalities, unfulfilled potential and so forth. So the economic system **rewards anything that can be sold** (consumed), thus marketing becomes the impetus for growth and the creating of **false abundance due to credit from bankers** has caused the conditions of large populations. The distortion is not in blaming the people for consuming but facing the unfettered greed that has driven this type of production that has not served humanity or the planet. This is the **collective denial in the planners** who do not see the big picture as they believe. Keeping the document **secret** prevents scrutiny and enables entitlement to cause harm to people and the earth. Peace in this type of thinking is not possible as denial is the great Wall of China that seems to believe life loses its creative dimension, it does not.

My own life is a case in point as I have been endlessly creative what has blocked my ability to bring peace education into the world has been the **wars** constructed by business people and government seeking to cause myself harm due to non compliance rather than respecting democratic rights to choose. I have bumped up against entitlement and a rigged system that serves those deemed of valuable "status". It was my awakening to **power and privilege** and the many distortions that believe **war is peace**. MacNamara is mentioned in this document and it was he who realised in Vietnam that through the "Fog of War" they had **misidentified the so-called "enemy"** and destroyed a country with napalm and chemical weapons, not to mention terrorising a people and destabilising that part of the world. So war doesn't bring stability it actually **weakens humanity as the scars are carried for generations** after the so-called "clean up".

To be able to **look into the weakness and denials** in war is when peace begins. The fear around looking into pointless murder of millions and the generations that **never will live on the earth** due to the actions of the few at the top is not deeply contemplated. A glee club of military philosophy is the wagons that circle to protect a sacred cow that consumes **1 trillion a year in military expenditure** that could be redirected to where it is needed most in welfare programs where full employment was never achievable and an **economic system that does not yield happiness**. It is a miserable recycling of dogma paraded as heroism when it is the **social organisation of murder** to uphold political power. No amount of marketing or placing women at the head of Defence or contractors will soften the image of depleted uranium which was exposed to both soldiers and civilians, nuclear bombs dropped on Japan when they had surrendered, the wanton destruction and poisoning of nature, the decimation of civil society and the rule of law and leaving unresolved wounds evoking great hatred amongst nations, religions and cultures. These are the **spoils of war** that are left like a rotting corpse. Afghanistan was massacred with the majority of the population mostly under 18, where Charlie Wilson tried to have **funding directed to schools**. This was seen as a non event by the Appropriations Committee as it was not as exciting as winning the cold war. Yet the next war where the US became the enemy planted the seeds of its own destruction. The drug trade that comes around all of this is to **fund endless wars** an issue pushed to the side or people are murdered for revealing truths is the dark side pretending they are serving the greater good. They are not.

There is no respect for diversity **just the fear of loss of power driving a war machine** that is losing wars not winning. Perhaps the real lesson is in the losing. The military are not fighting for their people but for business interests. All US administrations have fought for industrial rights not the public right under the Constitution. The US Constitution was suspended under Emergency Powers for 40 years which meant the Bill of Rights was inactive as was the Parliament.

In the Iron Mountain report, the author believes, this is the **blueprint for disruption** as it has been popularly coined. It is the justification for a **global takeover** by those who believe peace is undesirable. The evidence is in the philosophy espoused in this document. Similar to Silent Weapons for Secret Wars (next section) it provides the philosophical justification for **automation and artificial intelligence**. The 5G push is about implementing this technology to replace labour and carve out a **utopian** world order that serves the few over millions.

Notable points from the report are as follows:

- *Lasting peace, while not theoretically impossible, is probably unattainable; even if it could be achieved it would almost certainly not be in the best interests of a stable society to achieve it.*
- *War fills certain functions essential to the stability of our society; until other ways of filling them are developed, **the war system must be maintained -- and improved in effectiveness.***
- *To the general reader, therefore, the substance of the document may be even more unsettling than its conclusions. He may not be prepared for some of its assumptions for instance, that most medical advances are viewed more as problems than as progress;*

- *Or that poverty is necessary and desirable, public postures by politicians to the contrary notwithstanding;*
- *Or that standing armies are, among other things social-welfare institutions in exactly the same sense as are old-people's homes and mental hospitals'*
- *It may strike him as odd to find the probably explanation of "flying saucer" incidents disposed of en passant in less than a sentence'*
- *He may be less surprised to find that the space program and the "controversial antimissile missile and fallout shelter programs are understood to have the **spending of vast sums of money, not the advancement of science or national defense**, as their principal goals;*
- *And to learn that "military" draft policies are only remotely concerned with defense;*
- *He may be offended to find the organized repression of minority groups;*
- *And even the reestablishment of slavery;*
- *He is not likely to take kindly to the notion of the deliberate intensification of air and water pollution (as part of a program leading to peace), even when the reason for considering it is made clear;*
- *That a world without war will have to turn sooner rather than later to universal test-tube procreation will be less disturbing;*
- *But few readers will not be taken aback, at least, by a few lines in the Report's conclusions, repeated in its formal recommendations, that suggest that the long range planning--and "budgeting" -- of the **"optimum" number of lives to be destroyed** annually in overt warfare is high on the Group's list of priorities for government action;*
- *Those who argued the case for keeping the Report secret were admittedly motivated by fear of the explosive political effects that could be expected from publicity;*
- *Subcommittee members had reportedly feared that it might be used by Communist propagandists, as Senator Stuart Symington put it, to "back up the Marxian theory that production was the reason for the success of capitalism;*
- *Doe acknowledges this distinction, as well as the strong possibility of public misunderstanding;*
- *The regressive genetic effort of war has been often noted and equally often deplored, even when it confuses biological and cultural factors. The disproportionate loss of the biologically stronger remains inherent in traditional warfare;*
- ***It serves to underscore the fact that survival of the species, rather than its improvement, is the fundamental purpose of natural selection, if it can be said to have a purpose, just as it is the basic premise of this study. (note: it is both);***
- *Man's ability to increase his productivity of the essentials of physical life suggests that the need for protection against cyclical famine may be nearly obsolete. It has thus tended to reduce the apparent importance of the basic ecological function of war, which is generally disregarded by peace theorists;*
- *Two aspects of it remain especially relevant, however. The first is obvious: current rates of population growth, compounded by environmental threat to chemical and other contaminants, may well bring about a **new crisis of insufficiency**. If so, it is likely to be one of unprecedented global magnitude, not*

merely regional or temporary. Conventional methods of warfare would almost surely prove inadequate, in this event, to reduce the consuming population to a level consistent with survival of the species;

- *The second relevant factor is the efficiency of modern methods of mass destruction. Even if their use is not required to meet a world population crisis, they offer, perhaps paradoxically, the first opportunity in the history of man to halt the **regressive** genetic effects of natural selection by war. Nuclear weapons are indiscriminate. Their application would bring to an end the disproportionate destruction of the physically stronger members of the species (the "warriors") in periods of war. Whether this prospect of genetic gain would offset the unfavorable mutations anticipated from postnuclear radioactivity we have not yet determined. What gives the question a bearing on our study is the possibility that the determination may yet have to be made;*
- *Another secondary ecological trend bearing on projected population growth is the regressive effect of certain medical advances. Pestilence, for example, is no longer an important factor in **population control**. The problem of increased life expectancy has been aggravated. These advances also pose a potentially more sinister problem, in that **undesirable genetic traits** that were formerly self-liquidating are now medically maintained. Many diseases that were once fatal at pre-procreational ages are now cured; the effect of this development is to perpetuate undesirable susceptibilities and mutations;*
- *It seems clear that a new quasi-eugenic function of war is now in process of formation that will have to be taken into account in any **transition plan**. For the time being, the Department of Defense appears to have recognized such factors, as has been demonstrated by the planning under way by the Rand Corporation to cope with the breakdown in the **ecological balance** anticipated after a thermonuclear war. The Department has also begun to stockpile birds, for example, against the expected proliferation of radiation-resistant insects, etc.*
- *I should state, for the record, that I do not share the attitudes toward war and peace, life and death, and survival of the species manifested in the Report;*
- *Much more important, **we have a right to know** to what extent their assumptions of social necessity are shared by the decision-makers in our government;*
- *It is surely no exaggeration to say that a condition of general **world peace would lead to changes in the social structures of the nations of the world of unparalleled and revolutionary magnitude**. The economic impact of general disarmament, to name only the most obvious consequence of peace, would revise the production and distribution patterns of the globe to a degree that would make changes of the past fifty years seem insignificant. Political, sociological, cultural, and ecological changes would be equally far-reaching. What has motivated our study of these contingencies has been the growing sense of thoughtful men in and out of government that the world is totally unprepared to meet the demands of such a situation (world peace);*
- *However disturbing the answers, only full and frank discussion offers any conceivable hope of solving the problems raised by the Special Study Group in their Report from Iron Mountain.*

I found this photo and did smile. I think there is truth in it. There is nothing like placing yourself in harms way and then standing up and saying to people "war is peace". You might see some familiar faces or war mongers. I think this could work from a peace perspective. Empathy teaches peace.



4.1.3 Global Elite Uses Silent Weapons for Quiet Wars for Mass Control

We are in a time where these silent weapons are visible to those who know to look. The COVID-19 bioweapon is a silent economic weapon used to collapse small/medium business and apply oppressive regime change. The second silent weapon is Global computerisation (online cyber reality) to enable full spectrum dominance and the emitting of electromagnetic frequency (EMF) that is a class 2B Carcinogen and harms human health.

This world domination/transformation agenda and technological warfare (cyber war) is based on the 1954 top secret plan by the Bilderberg Group called '*Silent Weapons for Quiet Wars*' (refer this report and USB attachments for full report). I would recommend the Senate Committee look at this document as it forms the basis of **a motive** and how they view the public. This helps relate to pathological approaches.

When I was in Bangkok as a Rotary Peace Fellow I asked a counter-terrorism officer in relation to the Tak Bai massacre if the *people were the enemy*? He was uncomfortable. Overnight, I had the US Army visit my website 12 times. Today I know the answer is "yes". I recognise that all wars are about power and with iPhones and education people have become more vocal and powerful. I recall the head of Draper, Gabriel (formerly DARPA) indicated that the iPhones were the reason the public was the enemy. This is the mentality that sees any challenge to power as a threat, this is the issue that has to be dealt with and it is the rationale behind repression and underlying powerlessness.

I understand this type of silent warfare as I have experienced it in my life when dealing with similar mindsets. It took me many years to work it out as it was subtle. The violence is inflicted on a number of psychological levels that you cannot see by those who are seeking to attack you as they remain hidden. They reverse the language publicly to assert a public interest yet their actions are revealing the opposite. The cyber world is the perfect cover (cost effective) for this type of covert operation, holographic insert or diversionary tactic as they can use video to formulate reality, subliminal messaging to program beliefs unconsciously and algorithms to select information, to track and monitor without people being alerted to the data gathering. Through cyber security they can drop malware onto someone's computer (or update=downloads), accessing files (electricity, NBN, Wi-Fi) and invade their privacy keeping a watch on their activities online.

Scott Ritter (former weapons inspector in Iraq, CIA) said when he was at war he didn't fight fair. This is a way of seeing I have no concept of, as fairness is central to my modus operandi. However, he was teaching us that war is not fair and they fight dirty. The black ops, character assassination, destroying lives, cutting off life supports and driving people to suicide is an example of the belief I have to destroy the perceived opponent. I have met quite a few soldiers and they saw through the marketing of glory into man's inhumanity to men, women and children. One soldier from WWII said war was a racket. Even back then the multinational companies were seen as profiting from pain, today we call it disaster capitalism or predatory capitalism. Problem – Reaction – Solution. COVID-19 has a similar trajectory. The greed hasn't stopped which is rewarded by an economic system out of balance with life. This is why the reality is collapsing.

The Silent Weapons for Quiet wars is far more devastating than conventional war or a nuclear bomb. It is indeed a **Third World War but without bombs**. This war technically started in Wuhan, China in October 2019. It utilises intelligence methodologies such as surveillance and propaganda. The public have no defence in this type of attack as it is a covert bullying type of attack which turns people on themselves, where they blame themselves or others for their lives or not saving lives which expands a sense of powerlessness. It is extremely cruel. They are bombarded with well planned propaganda campaigns which catalyse terror, it is a form of terrorism. It attacks mental health and security. It ensures people are ignorant so they can't fight back. These messages are carried by a privatised media utilised by special interests.

As I was working through the Global Research report it became evident that viruses and EMF radiation emitted from iPhones and smart devices are silent weapons for quiet wars that the public have no idea about. Throughout my research Orwell kept coming up as people were equating the times we are in as oppressive and Orwellian. I recall writing in a letter to Centrelink my rationale for non compliance as not wanting to live in a Brave New World as I had first hand experienced of no rights, threats and oppression.

I felt an urgency is making this information visible and I have had inspiration around "an extinction level event". The EMF and Pandemic scenarios are potentially devastating to all life on earth. As a global citizen I feel a **responsibility** to share what I have become aware of.

The information I have provided is not about trial by public exposure. It is about starting a conversation to learn about these dynamics and as a world community finding solutions. For greed is inherent within every person, we all get involved and support others who may not be benefiting the society. So my attitude is not negative towards so-called global elites, it is really about stopping tyranny out of love of those involved. As a peacemaker I choose love in all my actions as this is a unifying force.

The ones who appear to be responsible for the crisis we are in globally don't get exposed to critique or have friends in the right places. They typically will not be confronting diverse views, as some have indicated they "don't ask permission", it is a form of ruthless coordination or some termed 'psychopathic cooperation' where there is little empathy for the consequences or impacts on others. It is indeed an **Orwellian scenario** we are confronting. I have already witnessed people going into denial, changing the subject or walking away. In this situation we walk away at our peril. Denial is not a river in Egypt friends.



George Orwell

Every war when it comes, or before it comes, is represented not as a war but as an act of self-defense against a homicidal maniac.

In our time political speech and writing are largely the defense of the indefensible.

But if thought corrupts language, language can also corrupt thought.

All the war-propaganda, all the screaming and lies and hatred, comes invariably from people who are not fighting.

Political language... is designed to make lies sound truthful and murder respectable, and to give an appearance of solidity to pure wind.

War against a foreign country only happens when the moneyed classes think they are going to profit from it.

Nationalism is power hunger tempered by self-deception.

War is peace. Freedom is slavery. Ignorance is strength. (On the manipulation of language for political ends.)

We have now sunk to a depth at which restatement of the obvious is the first duty of intelligent men.

If liberty means anything at all, it means the right to tell people what they do not want to hear.

In times of universal deceit, telling the truth will be a revolutionary act.

I regard my communications as a service to all. We all have a **vested interests in a world that continues** for children and grandchildren, not too mention the entire biosphere.

I will share excerpts out of this **Bilderberg** document found on an IBM photocopier ironically enough, which provides insights into the mindset I believe we are confronting and it is possible this is the blueprint.

Silent Weapons for Quiet Wars

<http://www.lawfulpath.com/ref/sw4qw/index.shtml> - preface

<http://www.lawfulpath.com/ref/sw4qw/>

The following document is taken from two sources. The first, was acquired on a website (of which I can't remember the address) listing as its source the book titled Behold A Horse by William Cooper; Light Technology Publishing, 1991. The second source is crudely copied booklet, which does not contain a copyright notice, or a publisher's name.

With the exception of the Forward, the Preface, the main thing that was missing from first source was the illustrations. As we began comparing the two, we realized that the illustrations, and the accompanying text (also missing from the first) made up a significant part of the document. This has now been **restored by The Lawful Path**, and far as I know, is the only internet copy available complete with the illustrations.

We have **no first-hand knowledge that this document is genuine**, however many of the concepts contained herein are certainly reasonable, important, and bear strong consideration.

If anyone has additional knowledge about the source of this document; has better copies of the illustrations than the ones posted here; has any missing pieces to this document, has any comments which can improve upon the quality of this document, we will appreciate your comments. The Lawful Path <http://www.lawfulpath.com/>

Additional information includes confirmation that this policy was adopted by the International "Elites" at the first Bilderberg Meeting in 1954.

Silent Weapons for Quiet Wars, An **Introduction Programming Manual** was uncovered quite by accident on **July 7, 1986** when an employee of Boeing Aircraft Co. purchased a surplus IBM copier for scrap parts at a sale, and discovered inside details of a plan, hatched in the embryonic days of the "Cold War" which called **for control of the masses** through **manipulation** of industry, peoples' pastimes, education and political leanings. It called for a **quiet revolution**, putting brother against brother, and **diverting the public's attention** from what is really going on.

The document you are about to read is real. It is reprinted in its virgin form, with diagrams, as a touch of reality. This manuscript was delivered to our offices by an **unknown person**. We did not steal the document, nor are we involved with any theft from the United States Government, and we did not get the document by way of any dishonest methods. We feel that **we are not endangering the "National Security"** by reproducing this document, quite the contrary; it has been authenticated and we feel that we are not only within our rights to publish it, but **morally bound to do so**.

Regarding the training manual, you may have detected that we had to block out the marginal notes made by the selectee at **the C.I.A. Training Center**, but I can assure you that the manual is authentic, and was printed for the purpose of introducing the selectee to the conspiracy. It has been **authenticated** by four different technical writers for **Military Intelligence**, one just recently retired who wants very much to have this manual **distributed throughout the world**, and one who is still employed as an Electronics Engineer by the Federal Government, and has access to the entire series of Training Manuals. One was stationed in Hawaii, and held the highest security clearance in the Naval Intelligence, and another who is now teaching at a university, and has been **working with the Central Intelligence Agency for a number of years**, and **wants out before the axe falls on the conspirators**.

We believed that the **entire world should know about this plan**, so we distributed

internationally one-hundred of these manuscripts, to ask individuals at top level positions their opinions. The consensus opinion was to distribute this to as many people as who wanted it, to the end that they would not only understand that **"War" had been declared against them**, but would be able to properly identify the true enemy to Humanity.

Delamer Duverus

Preface

Conspiracy theories are nothing new to history. Plots to "kill Caesar" and overthrow Rome abounded, for instance. However, it is seldom that concrete clues to such plots come to light, and are generally known.

Silent Weapons for Quiet Wars, An **Introduction Programming Manual** was uncovered quite by accident on **July 7, 1986** when an employee of Boeing Aircraft Co. purchased a surplus IBM copier for scrap parts at a sale, and discovered inside details of a plan, hatched in the embryonic days of the "Cold War" which called **for control of the masses through manipulation of industry, peoples' pastimes, education and political leanings. It called for a quiet revolution, putting brother against brother, and diverting the public's attention from what is really going on.**

The document you are about to read is real. It is reprinted in its virgin form, with diagrams, as a touch of reality.

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TOP SECRET

Silent weapons for quiet wars

Operations Research Technical Manual
TW-SW7905.1

Welcome Aboard

This publication marks the 25th anniversary of the **Third World War, called the "Quiet War", being conducted using subjective biological warfare**, fought with "silent weapons". This book contains an introductory description of this war, its strategies, and its weaponry. May 1979 #74-1120

Security

It is patently impossible to discuss **social engineering or the automation of a society**, i.e., the engineering of social automation systems (silent weapons) on a national or worldwide scale without implying extensive objectives of social control and destruction of human life, i.e., **slavery and genocide**.

This manual is in itself an analog declaration of intent. Such a writing **must be secured from public scrutiny**. Otherwise, it might be recognized as a technically formal **declaration of domestic war**. Furthermore, whenever any person or group of persons in a position of great power and without full knowledge and consent of the public, uses such knowledge and methodologies for **economic conquest** - it must be understood that a state of **domestic warfare exists** between said person or group of persons and the public.

The solution of today's problems requires an approach which is **ruthlessly candid, with no agonizing over religious, moral or cultural values**.

You have qualified for this project because of your ability to look at human society with **cold objectivity**, and yet analyze and discuss your observations and conclusions with others of similar intellectual capacity without the loss of discretion or humility. Such virtues are exercised in your own best interest. Do not deviate from them.

Historical Introduction

Silent weapon technology has evolved from **Operations Research** (O.R.), a strategic and tactical methodology developed under the **Military Management in England** during World War II. The original purpose of Operations Research was to study the strategic and tactical problems of air and land defense with the objective of effective use of limited military resources against **foreign enemies** (i.e., logistics).

It was soon recognized by those in positions of power that the same methods might be useful for **totally controlling a society**. But better tools were necessary.

Social engineering (the analysis and automation of a society) **requires the correlation of great amounts of constantly changing economic information (data), so a high-speed computerized data-processing system** was necessary which could race ahead of the society and predict when society would arrive for **capitulation**.

Relay computers were too slow, but the electronic computer, invented in 1946 by J. Presper Eckert and John W. Mauchly, filled the bill.

The next breakthrough was the development of the simplex method of linear programming in 1947 by the mathematician George B. Dantzig. Then in 1948, the transistor, invented by J. Bardeen, W.H. Brattain, and W. Shockley, promised great expansion of the computer field by reducing space and power requirements.

With these three inventions under their direction, those in positions of power strongly suspected that it was possible for them to **control the whole world with the push of a button**. Immediately, the **Rockefeller Foundation** got in on the ground floor by making a four year grant to Harvard College, funding the Harvard Economic Research Project for the study of the structure of the American Economy.

One year later, in 1949, The United States Air Force joined in. In 1952 the grant period terminated, and a **high-level meeting of the Elite** was held to determine the next phase of social operations research. The Harvard project had been very fruitful, as is borne out by the publication of some of its results in 1953 suggesting the feasibility of economic (social) engineering. Engineered in the last half of the decade of the 1940's, the **new Quiet War** machine stood, so to speak, in sparkling **gold-plated hardware** on the showroom floor by 1954. With the creation of the maser in 1954, the promise of unlocking unlimited sources of **fusion atomic energy** from the heavy hydrogen in sea water and the consequent availability of unlimited social power was a possibility only decades away. The combination was irresistible.

Although the silent weapons system was nearly exposed 13 years later, the evolution of the **new weapon-system** has never suffered any major setbacks. This volume marks the 25th anniversary of the beginning of the Quiet War. Already this **domestic war** has had many victories on many fronts throughout the world.

Political Introduction

In 1954 it was well recognized by **those in positions of authority** that it was only a matter of time, only a few decades, before the general public would be able to grasp and upset the cradle of power, for the very elements of the **new silent-weapon technology** were as accessible for a public utopia as they were for providing a **private utopia**.

The issue of primary concern that of **dominance**, revolved around the subject of the energy sciences.
Energy

Energy is recognized as the key to all activity on earth. Natural science is the study of the sources and control of **natural energy**, and social science, theoretically expressed as economics, is the study of the **sources and control of social energy**. Both are bookkeeping systems: mathematics. Therefore, mathematics is the primary energy science. And the

bookkeeper can be king if the public can be kept ignorant of the methodology of the bookkeeping.

All science is merely a means to an end. **The means is knowledge. The end is control.** Beyond this remains only one issue: Who will be the beneficiary?

In 1954 this was the issue of primary concern. Although the so-called "**moral issues**" were raised, in view of the **law of natural selection** it was agreed that a nation or world of people who **will not use their intelligence are no better than animals** who do not have intelligence. Such people are beasts of burden and **steaks on the table** by choice and consent.

Consequently, in the **interest of future world order, peace, and tranquility**, it was decided to privately **wage a quiet war** against the American public with an ultimate objective of permanently **shifting** the natural and social energy (wealth) of the undisciplined and irresponsible many **into the hands** of the self-disciplined, responsible, and **worthy** few. In order to implement this objective, it was necessary to create, secure, and apply new weapons which, as it turned out, were a class of weapons so subtle and sophisticated in their principle of operation and public appearance as to earn for themselves the name "silent weapons".

In conclusion, the **objective of economic research**, as conducted by the magnates of capital (banking) and the industries of commodities (goods) and services, is the establishment of an economy which is totally predictable and manipulatable.

In order to achieve a **totally predictable economy, the low-class elements of society must be brought under total control**, i.e., must be housebroken, trained, and assigned a yoke and long-term social duties from a very early age, before they have an opportunity to **question the propriety of the matter**. In order to achieve such conformity, the lower-class family unit must be **disintegrated** by a process of increasing **preoccupation** of the parents and the establishment of government-operated **day-care centers** for the occupationally orphaned children.

The **quality of education** given to the lower class must be of the **poorest** sort, so that the moat of ignorance isolating the inferior class from the superior class is and remains incomprehensible to the inferior class. With such an initial **handicap**, even bright lower class individuals have little if any hope of extricating themselves from their assigned lot in life. This form of **slavery** is essential to maintain some measure of social order, peace, and tranquility **for the ruling upper class**.

Descriptive Introduction of the Silent Weapon

Everything that is expected from an **ordinary weapon is expected from a silent weapon** by its creators, but only in its own manner of functioning. It **shoots situations**, instead of bullets; **propelled by data processing**, instead of chemical reaction (explosion); originating from bits of data, instead of grains of gunpowder; **from computer**, instead of a gun; operated by a **computer programmer**, instead of a marksman; under the orders of a banking magnate, instead of a military general.

It makes no obvious explosive noises, causes no obvious physical or mental injuries, and does not obviously interfere with anyone's daily social life. Yet it makes an unmistakable "noise," causes unmistakable physical and mental damage, and unmistakably interferes with the daily social life, i.e., unmistakable to a trained observer, one who knows what to look for.

The public cannot comprehend this weapon, and therefore cannot believe that they are

being attacked and subdued by a weapon. The public might instinctively **feel that something is wrong**, but that is because of the **technical nature** of the silent weapon, they cannot express their feeling in a rational way, or handle the problem with intelligence. Therefore, **they do not know how to cry for help**, and do not know how to associate with others to **defend themselves** against it.

When a silent weapon is applied gradually, the public **adjusts/adapts** to its presence and learns to **tolerate its encroachment** on their lives until the pressure (psychological via economic) becomes too great and they crack up.

Therefore, the silent weapon is a **type of biological warfare**. It attacks the **vitality**, options, and **mobility** of the individuals of a society by knowing, understanding, manipulating, and **attacking** their sources of **natural and social energy**, and their physical, mental, and emotional strengths and weaknesses.

Theoretical Introduction

Give me control over a nation's currency, and I care not who makes its laws.

-- Mayer Amshel Rothschild (1743-1812)

Today's **silent weapons technology** is an outgrowth of a simple idea discovered, succinctly expressed, and effectively applied by the quoted Mr. Mayer Amshel Rothschild. **Mr. Rothschild** discovered the missing passive component of economic theory known as **economic inductance**. He, of course, did not think of his discovery these 20th-century terms, and, to be sure, mathematical analysis had to wait for the Second Industrial Revolution, the rise of the theory of mechanics and electronics, and finally, the invention of the electronic computer before it could be effectively applied the **control of the world economy**.

General Energy Concepts

In the study of energy systems, there always appears three elementary concepts. These are **potential energy, kinetic energy, and energy dissipation**. And corresponding to these concepts, there are three idealized, essentially pure physical counterparts called passive components.

(1) In the science of physical mechanics, the phenomenon of **potential energy** is associated with a physical property called **elasticity or stiffness**, and can be represented by a stretched spring. In electronic science, potential energy is stored in a capacitor instead of a spring. This property is called capacitance instead of elasticity or stiffness.

(2) In the science of physical mechanics, the phenomenon of kinetic energy is associated with a physical property called **inertia or mass**, and can be represented by mass or a flywheel in motion.

In electronic science, kinetic energy is stored in an inductor (in a magnetic field) instead of a mass. This property is called **inductance** instead of inertia.

(3) In the science of physical mechanics, the phenomenon of energy dissipation is associated with a physical property called **friction or resistance**, and can be represented by a dashpot or other device which converts energy into heat. In electronic science, dissipation of energy is performed by an element called either a **resistor** or a conductor, the term "resistor" being the one generally used to describe a more ideal device (e.g., wire) employed to convey electronic energy efficiently from one location to another. The property of a resistance or conductor is measured as either resistance or conductance reciprocals.

In economics these three energy concepts are associated with:

1. **Economic Capacitance** - Capital (money, stock/inventory, investments in buildings and durables, etc.)
2. **Economic Conductance** - Goods (production flow coefficients)
3. **Economic Inductance** - Services (the influence of the population of industry on output)

All of the mathematical theory developed in the study of one energy system (e.g., mechanics, electronics, etc.) can be immediately applied in the study of any other energy system (e.g., economics).

Mr. Rothschild's Energy Discovery

What Mr. Rothschild had discovered was **the basic principle of power, influence, and control over people as applied to economics**. That principle is

"when you assume the **appearance of power, people soon give it to you.**"

Mr. Rothschild had discovered that **currency or deposit loan accounts** had the required appearance of power that could be used to induce people (**inductance**, with people corresponding to a magnetic field) into **surrendering their real wealth** in exchange for a promise of greater wealth (instead of real compensation). They would put up real collateral in exchange for a loan of promissory notes. Mr. Rothschild found that he could **issue more notes than he had backing for**, so long as he had someone's stock of gold as a persuader to show his customers.

Mr. Rothschild loaned his promissory notes to **individuals and to governments**. These would create **overconfidence**. Then he would make **money scarce**, tighten control of the system, and collect the collateral through the obligation of contracts. The cycle was then repeated. These pressures could be used to **ignite a war**. Then he would control the availability of currency to determine **who would win** the war. That government which agreed to give him control of its economic system got his support.

Collection of debts was guaranteed by economic aid to the enemy of the debtor. The profit derived from this economic methodology made Mr. Rothschild all the more able to expand his wealth. He found that the **public greed** would allow currency to be printed by [Read The Synagogue of Satan by Andrew Hitchcock to discover the truth about Mr. Rothschild.] government order beyond the limits (inflation) of backing in precious metal or the production of goods and services.

Apparent Capital as "Paper" Inductor

In this structure, credit, presented as a pure element called "**currency**," has the appearance of capital, but is in effect negative capital. Hence, it has the appearance of service, but is in fact, indebtedness or debt. It is therefore an **economic inductance** instead of an economic capacitance, and if balanced in no other way, will be balanced by the negation of population (war, genocide). The total goods and services represent real capital called the **gross national product**, and currency may be printed up to this level and still represent economic capacitance; but currency printed beyond this level is subtractive, represents the introduction of economic inductance, and constitutes **notes of indebtedness**.

War is therefore the **balancing of the system by killing the true creditors** (the public which we have taught to exchange true value for inflated currency) and falling back on whatever is left of the resources of nature and regeneration of those resources.

Mr. Rothschild had discovered that currency gave him the power to rearrange the economic structure to his own advantage, to shift economic inductance to those economic positions, which would encourage the **greatest economic instability and oscillation**. The final key to economic control had to wait until there was **sufficient data and highspeed computing** equipment to keep close watch on the economic oscillations created by price shocking and excess paper energy credits - paper inductance/inflation.

Breakthrough

The aviation field provided the greatest evolution in economic engineering by way of the mathematical theory of **shock testing**. In this process, a projectile is fired from an airframe on the ground and the impulse of the recoil is monitored by vibration transducers connected to the airframe and wired to chart recorders.

By studying the echoes or reflections of the recoil impulse in the airframe, it is possible to discover critical vibrations in the structure of the airframe which either vibrations of the **engine or aeolian vibrations** of the wings, or a combination of the two, might reinforce resulting in a resonant self-destruction of the airframe in flight as an aircraft. From the standpoint of engineering, this means that the strengths and weaknesses of the structure of the airframe in terms of vibrational energy can be discovered and manipulated.

Application in Economics

To use this method of airframe **shock testing in economic engineering**, the prices of commodities are shocked, and the public consumer reaction is monitored. The resulting echoes of the economic shock are interpreted theoretically by computers and the psychoeconomic structure of the economy is thus discovered. It is by this process that partial differential and **difference matrices** are discovered that define the family household and make possible its evaluation as an economic industry (dissipative consumer structure). Then the response of the household to future shocks can be predicted and manipulated, and society becomes a **well-regulated animal** with its reins under the control of a

sophisticated computer-regulated social energy bookkeeping system. Eventually **every individual element of the structure comes under computer control**

through a knowledge of personal preferences, such knowledge guaranteed by computer association of consumer preferences (universal product code, **UPC**; zebra-striped pricing **codes on packages** [bar codes]) with **identified** consumers (identified via association with the use of credit card and later a permanent "**tattooed**" body number invisible under normal ambient illumination).

Summary

Economics is only a social extension of a natural energy system. It, also, has its three passive components. Because of the distribution of wealth and the **lack of communication and lack of data**, this field has been the last energy field for which a knowledge of these three passive components has been developed.

Since energy is the key to all activity on the face of the earth, it follows that in order to attain a **monopoly of energy, raw materials, goods, and services and to establish a world system of slave labor**, it is necessary to have a first strike capability in the field of economics. In order to maintain our position, it is necessary that we have absolute first knowledge of the **science of control** over all economic factors and the first experience at engineering the world economy.

In order to achieve such sovereignty, we must at least achieve this one end: that the **public will not make** either the logical or mathematical connection between economics and the other energy sciences or learn to apply such knowledge.

This is becoming increasingly difficult to control because more and more businesses are making **demands upon their computer programmers** to create and apply mathematical models for the management of those businesses.

It is only a matter of time before the **new breed of private programmer/economists** will catch on to the far-reaching implications of the work begun at **Harvard** in 1948. The speed with which they can communicate their **warning to the public** will largely depend upon how effective we have been at **controlling the media, subverting education, and keeping the public distracted** with matters of no real importance.

The Economic Model

Economics, as a social energy science has as a first objective the description of the complex way in which any given unit of resources is used to satisfy some economic want. (Leontief **Matrix**). This first objective, when it is extended to get the most product from the least or limited resources, comprises that objective of general military and industrial logistics known as Operations Research. (See simplex method of linear programming.)

The Harvard Economic Research Project (1948-) was an extension of World War II Operations Research. Its purpose was to discover the **science of controlling an economy**: at first the American economy, and then the world economy. It was felt that with sufficient mathematical foundation and data, it would be nearly as easy to predict and control the trend of an economy as to predict and control the trajectory of a projectile. Such has proven to be the case. Moreover, the economy has been transformed into a **guided missile on target**.

4.1.4 The Pilgrim Society and Domination Culture

Background research by American Intelligence Media. This plot is over 140 years old.

CONTRIBUTING WRITERS | OPINION | AMERICANS FOR INNOVATION | FEB. 28, 2020 | PDF | <https://tinyurl.com/utex8ys>

Coronavirus, QinetiQ, and the Rothschild Bombshell – American Intelligence Media



CORONAVIRUS UNCOVERS ROTHSCHILD LORD PIRBRIGHT AS KEY TO THE 140-YR. PILGRIMS SOCIETY MONOPOLY OVER WORLD CULTURE, COMMERCE & WAR

The British Crown and the C.I.A. teamed up treasonously via QinetiQ Group Plc controlled by the Monarch.

Lord Pirbright (Rothschild) and his banker cousins at N.M. Rothschild & Co. were godfathers of the 2nd Boer War concentration camps (1899-1902) to drive the French, Dutch and Germans out of South Africa

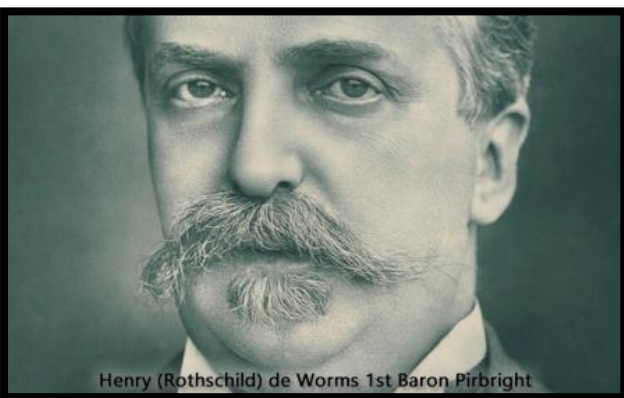


Fig. 1—Henry (Rothschild) de Worms 1st Baron Pirbright (1840-1903), also called Lord Pirbright. Baron Pirbright’s grandmother was Schönche Jeannette Rothschild (1771–1859). Her father was Mayer Amschel Rothschild (1744–1812), the founder of the Rothschild colonial banking business in Ceylon where Lord Pirbright’s father Solomon de Worms established the “Rothschild” coffee and tea plantation with slave, and nearly slave labor.

Pirbright grew up in Ceylon on “The Rothschild Plantation” where they grew coffee and tea sold through their Rothschild-financed British East India Company. At age 45, Baron Pirbright became the British minister of trade and colonies (1885-1892). During those years just prior to the founding of the Pilgrims Society in 1902,

Pirbright promoted Cecil Rhodes, N.M. Rothschild, Alfred Milner and John Buchan in the Boer Wars. He also oversaw the British patent office when Nikola Tesla's began filing his wireless telegraphy patents. Regarding Tesla, Pirbright secretly allowed the British Admiralty and Post Office to steal from Tesla using Guglielmo Marconi as their fake inventor and make monopolistic deals with Marconi Wireless.

Pirbright also coached Henry S. Wellcome and Sir Henry M. Stanley in their rapacious acquisition of valuable African poisons and cures used in extensive vaccine experimentation on human beings—including black and Boer (German, Dutch and French) prisoners they had put in concentration camps and performed fatal Wellcome Trust drug experiments. Lord Pirbright gave Cecil Rhodes an almost free hand in the British South Africa Company to write laws, collect taxes and run his own police force in their new **British Imperial-Fascist Corporatism model** for reorganizing the British Empire while continuing to control the resources of their colonies, even after Home Rule was implement (like Rio Tinto – global mining company [including uranium] that is also a Rothschild creation for the British Crown that the Monarch controls to this day), Viscount Alfred Milner, co-founder of the Pilgrims Society, was Rio Tinto chairman from 1923-1925, and earlier a director for many years.

Base Photo: National Portrait Gallery; Fair Use; Educational purposes only.

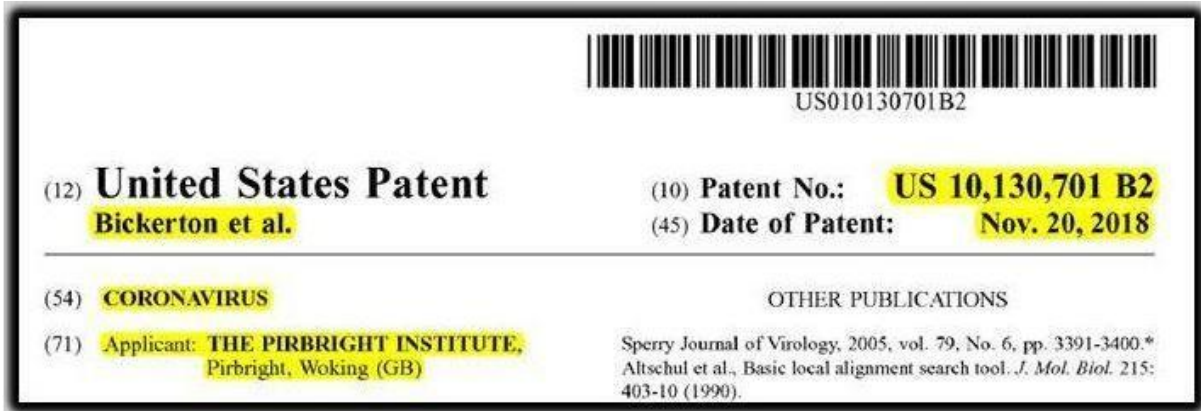
Reader Notice: This is a long post that is chock full of evidence, some emerging on the world for the first time in over 100 years. Sorry, the emerging evidence demanded it!

One thing is now certain, history has hidden the Pilgrims Society's demonic activity since before 1902 when it was founded in London during the funeral of Queen Victoria, and then 1903 when it was started in New York.

One teaser is the first chairman of the Pilgrims Society in New York on Jul. 11, 1903, attorney Lindsay Russell, became the first chairman of the Council on Foreign Relations (CFR) in 1918. Indeed, the Pilgrims created and direct the CFR, to this day.

The discovery, announced last week by Francis A. Boyle, the author of the Biological Weapons Anti-Terrorism Act of 1989 (BWATA), international law professor, indicates that the University of North Carolina was involved in prohibited bio warfare activity that helped cause the Coronavirus outbreak in China. This information adds further validity to the ultimate British origins of the Coronavirus. Bill and Melinda Gates Foundation—substantial Pirbright Institute funders—also heavily finance research at the University of North Carolina. Please return several times over the next days to pick up the new evidence.

(FEB. 20, 2020)—Once we discovered that the Coronavirus was created and patented (U.S. Pat. No. 10,130,701) by “The Pirbright Institute, Woking, Pirbright, Surrey,” we were compelled to learn more about this Pirbright organization and the village of Pirbright. See [previous post](#).



One of our conclusions from this investigation is that The Pirbright Institute is very evidently part of the **Pilgrims Society’s 200-year Rhodes-ian plan to create an un-elected one-world government where America** is made subservient to the **Pilgrims Society and its United Nations. As we are just now discovering, Rhodes had a mentor for his 200-year plan.**

As a direct result of investigations to track down the ownership of responsibility for the current Coronavirus outbreak, a new ring leader in the creation of the Pilgrims Society (1902) has just emerged from hiding in the history books.

The tracing of patent ownership lineage of “U.S. Pat. No. 10,130,701, Coronavirus” led us to The Pirbright Institute, Surrey, UK, near Woking and Guildford.

The man who appears to be the Pilgrims Society nexus point is *not* Cecil Rhodes, but rather Rhodes’ Rothschild family mentor **Henry (Rothschild) de Worms, 1st Baron Pirbright**, sometimes referenced simply as “Lord Pirbright” or “Baron Pirbright.”

The topic “Pirbright” has many tentacles.

We’ll start with the name “Pirbright.”

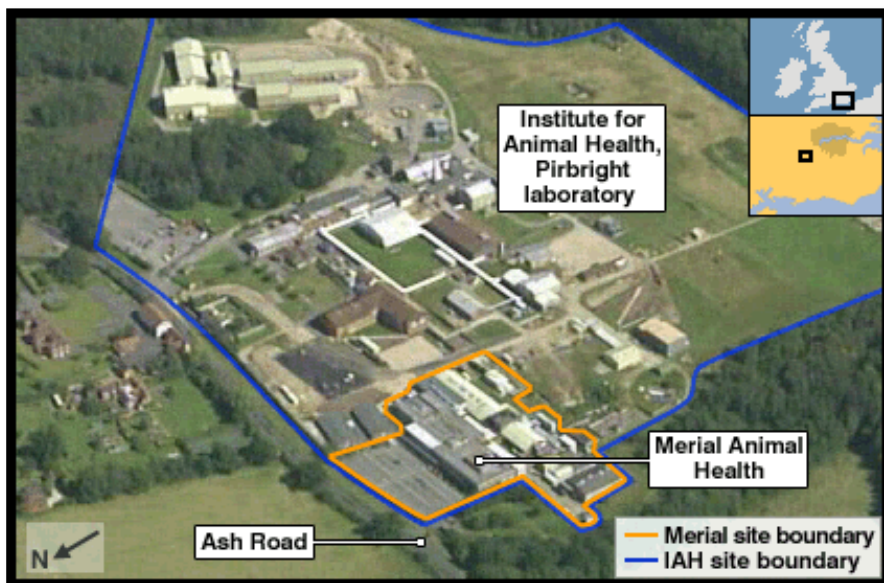
On the surface, Pirbright is a posh little English village in the Greater West London county of Surrey, less than 6 miles southwest of Woking and 7 miles northwest of Guildford.

However, literal Frankensteins lurk in Pirbright’s meadows.

The Pirbright Institute & Cobbett Hill Earthstation, both use British Ministry of Defense (MOD) property once owned by Henry (Rothschild) de Worms 1st Baron Pirbright. between 1886-1892 Pirbright sponsored Cecil Rhodes, Alfred Milner, N.M. Rothschild banking, the Boer Wars, the British South Africa Company, De Beers Mining, Burroughs Wellcome rape of African medicinals, Henry Stanley’s claims over Congo diamond and gold, theft of Nikola Tesla’s inventions, creation of Marconi Wireless as a state monopoly, Round Table, Milner’s Kindergarten, Pilgrims Society,

The Pirbright Institute is a research institute in Surrey, England, dedicated to the study of infectious diseases of farm animals. It is located on 200 acres of land controlled by the British Ministry of Defense (MOD), just south of the village of Pirbright.

The Pirbright Institute **has close affiliations with vaccine pharmaceuticals** including British Merial (originally a joint venture between **drug companies U.S. Merck and French Sanofi-Aventis**), German **Boehringer-Ingelheim, British Wellcome Trust**, and the **Bill and Melinda Gates Foundation**. Wellcome Trust and the Gates Foundation are the **two largest investors in pharma research** on the planet and heavily fund The Pirbright Institute.



planet and heavily fund The Pirbright Institute.

Fig. 3—Editor. (Aug. 05, 2007). Foot-and-mouth strain identified. *BBC News*. Institute for Animal Health, Pirbright laboratory, Merial Animal Health, Institute for Animal Health, Surrey, UK, site of the foot and mouth outbreak.

The investigation into Merial cited extreme sloppiness such as **bio security lapses**, poor drainage systems, poor maintenance and inspection, poor communications, lack of oversight of contractors working on the site, poor record-keeping, conflicts of interest within the government

entities and Merial’s commercial interests.

Merial and its key shareholder, the French company Sanofil, were together acquired by German Boehringer Ingelheim on Jan. 03, 2017.

Merial was founded in the UK on Mar. 07, 1997 through the merger of the animal health businesses of Merck and Rhone Merieuxm (also named Sanofi-Aventis) and is **one of the top 10** players in the **UK pharmaceuticals industry**. They operate in more than 150 countries, employ more than 5,000 people, and boasted 2007 sales of £1.1billion.



On Feb. 09, 2017, Boehringer-Ingelheim bought Merial-Sanofil and continues to operate Merial’s **vaccine** manufacturing facilities at The Pirbright Institute.

Fig. 4—The “Coronavirus” is British-owned U.S. Pat. No. 10,130,701 – CORONAVIRUS, The Pirbright Institute (UK)

Boehringer Ingelheim Animal Health that is now headquartered at The Pirbright

Institute (UK), was formerly Merial Animal Health Limited (UK) Co. No. 01961886, then Merial-Sanofil, was the site of the of the AUG. 03, 2007 FOOT AND MOUTH OUTBREAK that was blamed on conflicts of business interests (corruption), poor records, sloppy controls, poor management oversight and unsanitary facilities at The Pirbright Institute.

VACCINE SHELL GAMES

Merial Animal Health Limited (50% owned by **U.S. Merck**) was sold to **French Sanofil** on Jul. 30, 2009; then three months later on Oct. 12, 2009, built a \$70 million production plant named **Merial Animal Health Co., Ltd. (Nanchang, China)**; then sold to **German Boehringer Ingelheim GMBH** on Feb. 09, 2017), but still produces poultry vaccines from their 12-acre plant having retained the name **Merial Animal Health Co., Ltd. (China)** – just a 4 hour drive from **Wuhan, China**. Map of The Pirbright Institute, Pirbright, Surrey, UK.

Note, Pilgrims Society at the BBC and Reuters are floating a malicious “false flag” propaganda currently from unattributed assertions that the **Pirbright Coronavirus patent is a different, weakened coronavirus, not the one involved in the current outbreak**. Such an assertion would violate U.S. Patent Office “inequitable conduct” rules—lying to the Office. See sidebar on right.

In other words, you are forbidden from giving a patent application misleading name. Indeed, there are currently 75 patents with coronavirus in the title. The Coronavirus patent is one of 11 awarded to The Pirbright Institute. These titles described the uniqueness of each claim (a requirement). For The Pirbright Institute U.S. Pat. No. 10,130,701 to be allowed the name simply “CORONAVIRUS” means what it says. Also remember, **British SERCO manages the patent approval process** at the U.S. Patent Office, the possibility of fraud is heightened, especially considering that **SERCO’s sister company QinetiQ**—both controlled by the Monarch’s Golden Share giving 100% veto power over operations—essentially approved the patent to themselves. This is evident **fraud**.

U.S. PATENT OFFICE: “A finding of “fraud,” “inequitable conduct,” or violation of duty of disclosure with respect to any claim in an application or patent, renders all the claims thereof unpatentable or invalid.”

Question: When is the U.S. Patent Office going to disclose its fraud and treason in contracting with British Crown companies SERCO and QinetiQ?

*Doesn’t the **USPTO** fraud invalidate everything they’ve done since contracting with SERCO in 2006, 2013, 2015, Overview, see full spreadsheet list of 15,769 federal (Senior Executive Service) contracts with SERCO).*

*Currently, individual U.S. inventors filing for patents are screwed by this Pilgrims Society global **patent theft ring** run by the British.*

On Oct. 12, 2009, Merial invested over \$70 million (US) to build a “Merial Animal Health Co. (China)” 50,000 sq. meters poultry vaccine production plant in Nanchang, China. Nanchang is only a four hour drive from Wuhan.

This Merial plant was founded on Oct. 12, 2007)—just two months after the Aug. 05, 2007 foot and mouth outbreak in the U.K. Given current Chinese prohibition of foreign ownership control, the Chinese government would control Merial (China) with the The Pirbright Institute—British Ministry of Defense, and/or QinetiQ as possible minority stockholders. The big pharma shell game is quite evident.



Fig. 5—Merial Animal Health Co., Ltd., Nanchang, China, formed out of The Pirbright Institute (UK) on Oct. 12, 2009, just a four hour drive from Wuhan, China. Map of Merial Animal Health Co., Ltd., Nanchung, China. Map of the 216 mile distance between Nanchang to Wuhan, China.

Henry (Rothschild) de Worms, 1st Baron Pirbright evidently had a vision to combine vaccines, wireless, propaganda, mind control and banking and use these technologies to control the masses and make money for his Pilgrims Society conspirators.

WHAT DO VACCINES & THE WIRELESS EARTHSTATION TELEPORT AT PIRBRIGHT HAVE IN COMMON?

On the same property as The Pirbright Institute is Cobbett Hill Earth Station—a satellite teleport that boasts “more than **25 antennas with active operations on 13 satellites**” using C and KU-band antennas that are powerful enough for **directed energy weaponry**.

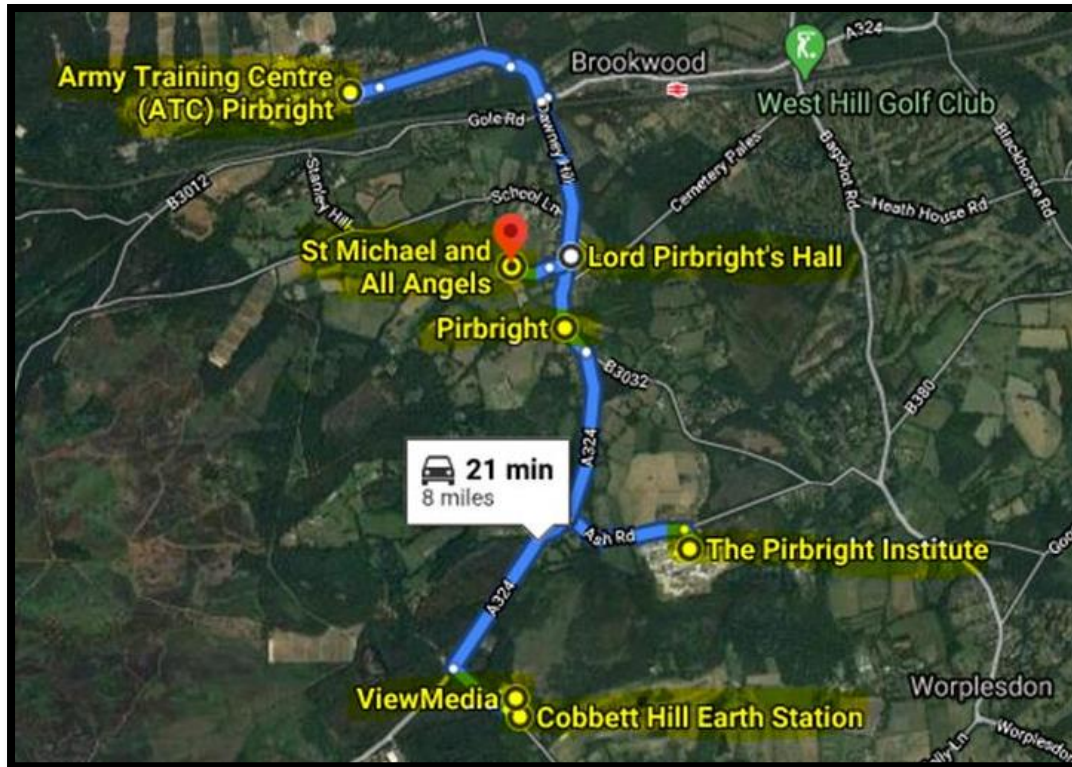


Fig. 6—Army Training Center (ATC) Pirbright (Surrey, UK) is located just 8 miles north of Cobbett Hill Earthstation and The Pirbright Institute. ATC trains Army recruits, including **electronic and biological warfare**.

Experts in **electronic warfare** who have studied the Pirbright property footprint believe it is almost certain that both the Pirbright Institute and the adjacent Cobbett Hill Earthstation teleport share “hardened” underground facilities that are able to withstand direct attacks.



This conclusion was further affirmed by CETel GMBH CEO Guido Neumann who boasted on [Jun. 01, 2019](#):

*"Cobbett Hill is located only 25 miles from central London in the UK, and occupies a seven-acre secure compound on 200 acres of land. Currently, it houses more than 25 antennas with active operations on 13 satellites plus spare capacity enabling quick turnaround times on even short-notice customer requirements. Due to the locations historical use by the **British Ministry of Defence** it has blanket planning permission for unlimited antenna installations within the 200 acres and operate within an **RF exclusion zone preventing any local interference.**"*

Trigger words projecting secret underground government and conspiring-corporate activity:

"quick turnaround times," "blanket planning permission," "unlimited antenna installations within the 200 acres," "RF exclusion zone preventing local interference," "seven acres on 200 acres," and "historical use by the British Ministry of Defence."



Fig. 7—SERCO & QinetiQ are both controlled by the Monarch’s Golden Share.

[On Nov. 11, 2002](#), this MOD property housing both the Pirbright Institute and Cobbett Hill Earthstation was **sold to QinetiQ Holdings Limited**. [The British Monarch held a “Special Share” \(aka “Golden Share”\)](#) giving it complete control of QinetiQ.

Then, [in 2004 Qinetiq “sold” Cobbett Hill](#) according to official Parliamentary debate records.

In a now familiar globalist shell games like we just examined with the **pharmaceutical companies** operating at The Pirbright Institute property, the Cobbett Hill Earthstation satellite facility was first **“privatized”** by QinetiQ in 2004.

We think this **"sale" of a key British MOD facility** at Cobbett Hill Earthstation was window dressing to **hide their biological and electronic warfare activities** occurring on its "secure" Pirbright property. Notably, Cobbett Hill part of the quarantined hot zone in the 2007 foot and mouth outbreak, as the effluent from Merial flowed south over Cobbett Hill.

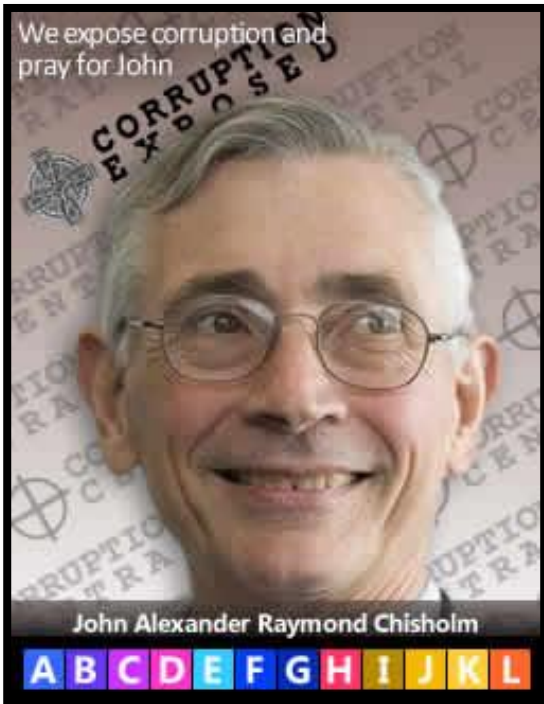


Fig. 8—Sir John A.R. Chisholm, founder of DERA, the British equivalent of DARPA.

[Back in 1991, Sir John R. Chisholm](#) had been asked by the Ministry of Defence to combine the government's many research organizations into one which became the Defence Evaluation and Research Agency (DERA).

[On Nov. 08, 2002](#), Chisholm spun off $\frac{3}{4}$ of DERA to form QinetiQ. Timing-wise, this was concurrent with the creation of **SERCO Service Inc. as a Monarch-controlled data, intelligence, propaganda and information monolith.**

[On Mar. 10, 2003](#), Chisholm was appointed a director QinetiQ—*the entity he created two years earlier!*

[On Dec. 08, 2005](#), QinetiQ Holdings Limited was renamed QinetiQ Group Plc.

Today, approximately **164 subsidiaries now carry "QinetiQ"** in their names, or former names, including Perspecta, IntrinsicQ, Gyldan (formerly Qinetiz Partnership Finance Ltd.), F. Miller and Commerce Decisions.

[In 2004](#), QinetiQ ostensibly sold the satellite teleport on the 174-acre MOD Pirbright property to Cobbett Hill Earthstation Limited.


Records are unclear how **The Pirbright Institute property was bundled into the sale or leasing to QinetiQ.** We think it was and that the entire satellite and biomedical animal-testing facility was all part of the same MOD activity to obfuscate and hide their illegal activities on the entire 200 acres.

The entire **DERA-to-QinetiQ** transaction is shrouded in British government secrecy, but one thing is certain: the Monarch's Golden Share has powerful preemptive rights and "clawback" options over all property in the United Kingdom. The Monarch's Golden Share is a super veto power over *all* activities of the company. This "[Special Share](#)" gave the Monarch 100% control of selected corporations after "divestiture" or "privatization" which was window dressing to make these companies look private, but to keep them controlled by the Monarchy and the Privy Council.

15. SPECIAL SHARE

15.1 Special Shareholder

The Special Share may only be issued to, held by and transferred to the Crown (or as it directs). The directors must register any transfer of the Special Share within 7 days.



6.11 1 special rights redeemable share of £1,

[Monarch's "Golden Share" (full control)]

"Crown" means one or more of Her Majesty's Secretaries of State, another Minister of the Crown, the Lords Commissioners of Her Majesty's Treasury, the Treasury Solicitor, any body corporate wholly owned by any of the foregoing or any other person acting on behalf of the Crown and "Crown representative" shall be construed accordingly;

Fig. 9—[Qinetiq Group Plc. Co. No. 4586941. \(Jun. 03, 2003\)](#). Resolutions at General Meeting Re. the Monarch's SPECIAL SHARE. Companies House (UK).

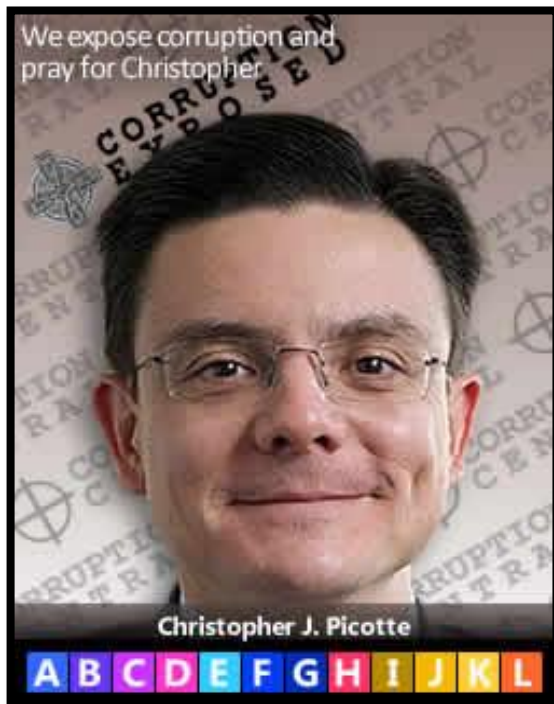


Fig. 10—Christopher J. Pocotte, founder and CEO, Aksiom Group Limited, funder of the 2019 consolidation of CETel GMBH (ostensible manager of Cobbett Hill Earthstation) and Axesat into AXESS Networks.

Picotte is a fellow director of various companies **secretly directed by the Privy Council and Pilgrims Society** holding Monarch "Special Shares" otherwise called "Golden Shares" giving the **Monarch 100% control** of those companies and their activities. More specifically, he is a fellow director of North Sea Infrastructure Partners Limited with Sir Roy A. Gardner, Chairman of **SERCO** Group Plc.

[On Jun. 24, 2019](#), just last summer, Cobbett Hill ostensibly sold itself to CETel GMBH (Central European Telecom Services). Four months later, [on Sep. 19, 2019](#), Aksiom Group Limited combined CETel GMBH with Axesat to and funded AXESS Networks.

Aksiom's American chairman and founder, [Christopher James Picotte](#), sits on the boards of numerous companies with **direct ties to the British Crown**, including Centrica Plc valued at £5.1b (2019).

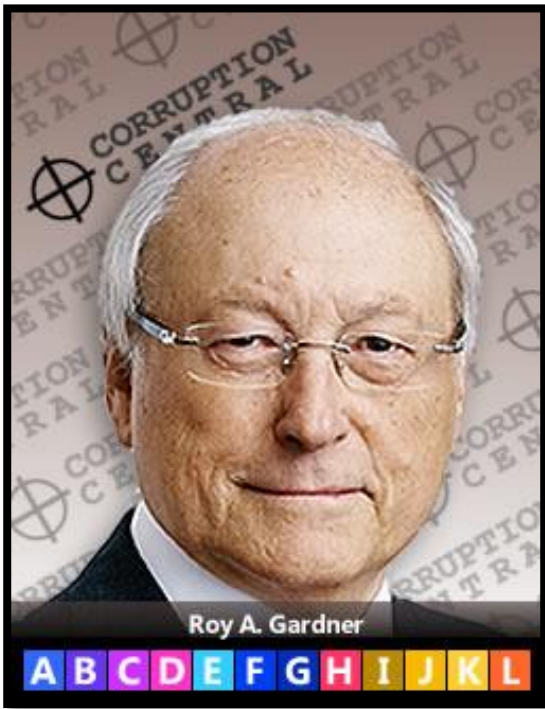


Fig. 11—Sir Roy Alan Gardner, Chairman of SERCO Group Plc; founder and chairman, North Sea Infrastructure Partners Limited; Centrica Plc, director; among others.

Picotte has direct linking relationships with **Sir Roy Gardner**, chairman of SERCO Group Plc through a now typical shell game of shell companies with no activity.

For example, Picotte is a director of Aksiom Group Holdings Limited that formed AXESS Networks in order to acquire CETel GMBH that had just a few months earlier had acquired Cobbett Hill Earthstation Limited.

Aksiom-AXESS’s director-funder Pichotte is also a director of North Sea Infrastructure Partners Limited. One of North Sea’s directors is Centrica Directors Limited, formerly named Centrica Nominees No. 2. Limited, whose sole owner is GB Gas Holdings Limited. A founding director of GB Gas in 1996 is Sir Roy Alan Gardner, the current chairman of SERCO Group Plc.

Sir Roy’s other directorships make it quite clear that his task in the Privy Council is to consolidate ALL **electronic warfare** capability in the British government **under SERCO and QinetiQ**.

ADDAY THAER
Network Engineer
Welsh Guards, ATC Pirbright*



ADDAY THAER
Network Engineer
Cobbett Hill Earthstation, Pirbright (Actual)



GOLLUM*



Sir Roy A. Gardner was Centrica Plc chairman with Picotte.

Gardner is also the **current chairman of SERCO Group Plc**.

SERCO's CEO is Rupert Soames. Soames' name appears in pedophile Jeffrey Epstein's little black book. SERCO is also controlled by the Monarch's Golden Share. [CITE].

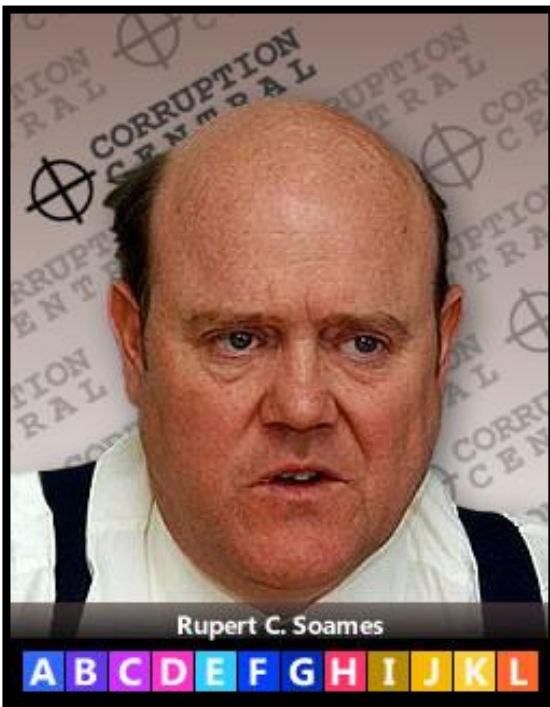


Fig. 12—Rupert C. Soames, CEO of SERCO Group Plc; member of Jeffrey Epstein's "Pedophile Island" Little Black Book.

THE UNITED STATES HAS BEEN BOARDED BY BRITISH PIRATES

As we showed in our previous post, [available here](#), **SERCO has been awarded almost \$10 billion** in from the U.S. Patent Office, FEMA, OMB, Navy SPAWAR, OPM, State Department, DoD, Army, Navy, FAA, FEC, etc. In short, America's ship has already been boarded by British pirates in defense, space and technology projects by a Pilgrim's Society-complicit Senior Executive Services (SES).

We were shocked to discover that QinetiQ has an almost equal number of U.S. contracts.

QinetiQ has received over \$8.5 billion U.S. federal contracts. ([PDF](#) | [Excel](#)-downloads directly to your Downloads folder).

SERCO has received over \$9.5 billion U.S. federal contracts. [PDF](#) | [Excel](#)-downloads directly to your Downloads folder)

THE COMMON AGENDA AMONG PIRBRIGHT, ROTHSCHILD, WELLCOME, RHODES, MILNER, MARCONI, PILGRIMS?

On Nov. 15, 1895, Henry De Worms (1840-1903) was appointed to be 1st Baron Pirbright, of Pirbright, County of Surrey (UK)—the current site of The Pirbright Institute and Cobbett Hill Earthstation teleport.

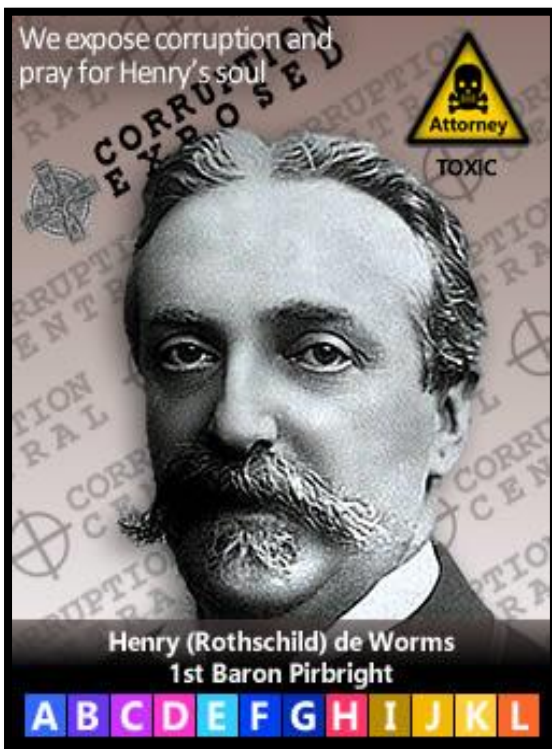


Fig. 13—Henry (Rothschild) De Worms (1840-1903) was appointed to be 1st Baron Pirbright appears to have been the spiritual leader directing the likes of Cecil Rhodes, Alfred Milner and the Boer Wars, not to mention Pilgrims Society, Empire Press Union, First Imperial Press Conference 1909, MI6, MI5 and GC&CS renamed GCHQ in 1947.

On Oct. 03, 1893, Lord Pirbright inherited a substantial sum in those days—about £350,000—as residuary legatee of his mother Henrietta Samuel’s estate. He used these funds to fund great mischief, including purchasing the land in the greater Pirbright area on land that today houses MOD (Ministry of Defense) facilities associated with British [Defence Evaluation and Research Agency](#) (DERA), including The Pirbright Institute, essentially controlled by the Wellcome Trust and Bill & Melinda Gates Foundation—two key funders of the Pirbright Institute along with U.S. [Defense Advanced Research Projects Agency](#) (DARPA), and Cobbett Hill Earthstation, that are both adjacent to the Army Training Center – Pirbright land acquired by the Army [in about 1875](#).

Lord Pirbright also bankrolled Henry Wellcome’s meteoric rise in the pharmaceutical business as well as [Sir Henry M. Stanley’s expeditions](#) to Africa to collect new cures and poisons for [Henry Wellcome](#), as well as secure west African mining rights for Belgium King Leopold II, the British South Africa Company and his protégés Cecil Rhodes, Alfred Milner, N.M. Rothschild & Sons, Winston Churchill and John Buchan, among others.

Henry (Rothschild) De Worms, First Baron Pirbright’s paternal grandmother was Schönche Jeannette Rothschild (1771–1859). Jeanette’s father, Pirbright’s great grandfather, was Mayer Amschel Rothschild (1744-1812)—the founder of Rothschild banking. *See [Dict. of Nat. Bio \(1914\)](#), pp. 495-496, 51 MB (be patient when downloading).*

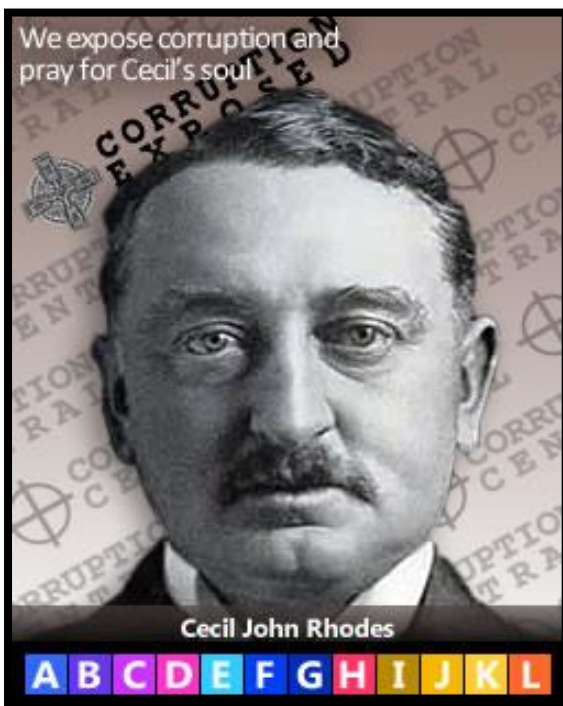


Fig. 14—Cecil John Rhodes now appears to have taken his new-world order orders from Henry de Worms 1st Lord Pirbright, his mentor.

A young Henry de Worms lived his early years on the family coffee, tea and spice plantation in Ceylon actually named “Rothschild.” This bound the de Worms to the rapacious imperialism of the British East India Company that the Rothschilds bankrolled. *[The Jewish Chronicle \(London\), Jan. 20, 1903](#) (9.6 MB).*

Indeed, Pirbright led Britain’s imperial trading empire when he was [Parliamentary Secretary to the Board of Trade \(1885-88\)](#), and [Under-Secretary of State for the Colonies \(1888-92\)](#) under Lord Salisbury.

For context, on the Board of Trade, Henry (Rothschild) De Worms 1st Baron Pirbright was succeeded by **political Zionist Lord Balfour** (1889-1905). Balfour was also President of the Board of Trade with Sydney Buxton (2nd Governor General of the British South Africa Company) and future prime ministers Churchill and Lloyd George.

Balfour was the author of the [Balfour Declaration](#) letter to Baron [Lionel W. Rothschild](#) (Pirbright's cousin and fellow leader of the London Jewish community, and the funder of [Cecil Rhodes'](#) British South Africa Company and De Beers Consolidated Mines in Cape Colony, South Africa). Balfour's letter called for a Jewish homeland in Palestine. In 1902-1905, Bonar Law took the same post and later became privy councillor (1911), British war cabinet during WWI ([1916-1918](#)), and later prime minister (1922-1923).

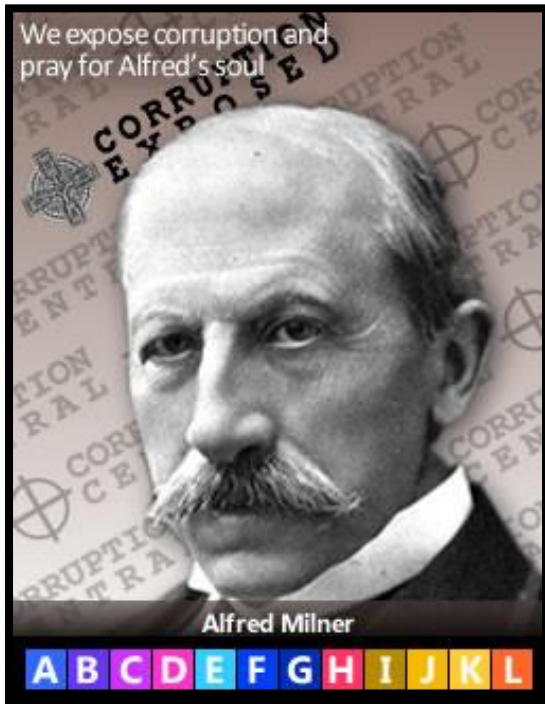


Fig. 15—Viscount Alfred Milner 1st Governor of the Transvaal and Orange River Colony; Member of the Imperial War Cabinet (WWI, 1916-1918); organizer of the 2nd Boer War concentratoin camps.

On the colonial post, succeeding Pirbright was Sydney Buxton (1892-1895). Nineteen years later as [President of the Board of Trade \(1914\)](#),

Buxton championed the **Marconi Wireless monopoly** as a cabinet secretary that Pirbright had earlier helped create by supporting Marconi's theft by the Post Office and Admiralty of **Nikola Tesla's wireless telegraphy** patents.

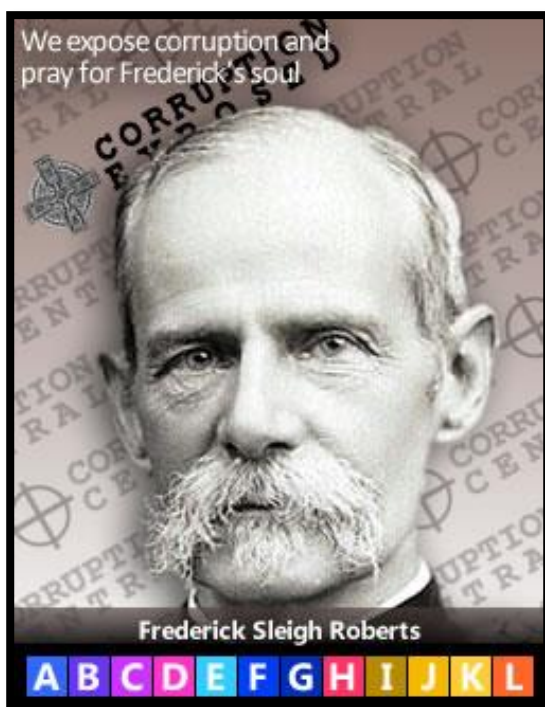


Fig. 16—General Lord Frederick Sleight Roberts, British commander of the 2nd Boer War forces; organizer of the 2nd Boer War concentration camps; first president of the Pilgrims Society.

Also succeeding Pirbright in the colonial post was Winston Churchill (1905-1908). Churchill had also held Buxton's post as [President of the Board of Trade \(1908-1910\)](#).

LORDS PIRBRIGHT AND SALISBURY EXPLOITED AN AILING QUEEN VICTORIA IN THE 1880-90'S

Henry (Rothschild) De Worms and Lord Salisbury subdued the British Parliament in the 1880-90's to promote the Boer Wars in the Transvaal, South Africa to, among other things to : (1) crush the stiff colonial business competition from the German [Hanseatic League](#), [Dutch East India Company](#) and the [French East India Company](#), (2) to further consolidate the Rothschild monopoly over the Bank of England, (3) monopolize African mining through Cecil Rhodes, N.M. Rothschild and De Beers, as the way to finance, (4) a new privatized, **imperial corporatist-fascist model** for the British Empire named the British South Africa Company, (5) recruit new blood into this ruthless elitist club by funding **Rhodes Scholarships** at Oxford in perpetuity.

Rhodes established **The Round Table** to promote this "English-speaking" hegemony over the the world. His new club of self-aggrandizing elitist [Robber barons](#) (including Americans) was a moral grab bag of ideas that borrowed from John Ruskin's settlement movement ideas where **elites would rule** over socialist/communist communities as **overlords**, dispensing their wisdom over the hapless masses in their charge. Tellingly, the leaders of the 2nd Boer War, Viscount Alfred Milner and General Lord Roberts, were Ruskin fans. Also tellingly, Ruskin eschewed spirituality and religion until late in life.

The Round Table organized as a **secret society** that borrowed Jesuit stealth takeover processes to hide their hegemonic intentions. With Rhodes' blessing, they employed any tactic needed to acquire the resources to achieve their 200-year imperial corporatist-fascist goals "...[\(3\) The seizure of the wealth necessary.](#)"

[On 13 March 1888](#), Rhodes launched [De Beers Consolidated Mines](#) where Rhodes was first chairman, with funding from [N.M. Rothschild & Sons](#) supplied in 1887.

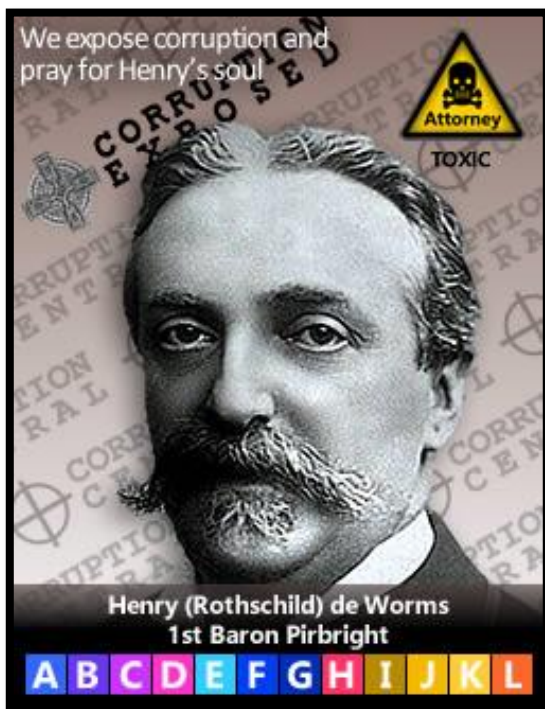


Fig. 17—Henry (Rothschild) de Worms, 1st Baron Pirbright. Appointed to key cabinet positions that gave him great influence over patents (incl. Nikola Tesla's wireless telegraphy invention), animal-testing (vaccines), mining rights and establishment of the British South Africa Company.

In 1888, Queen Victoria appointed Baron Henry De Worms to the Privy Council. His barony was extinguished upon his death since he had no male heirs. However, he appears to have given away his land holdings to the Ministry of Defence which had been under his authority.

On Dec. 20, 1889, De Worms, Rothschild and Salisbury supported the formation of an autonomous [British South Africa Company](#) to enable Cecil J. Rhodes to form a replacement corporatist (Robber baron) model to **replace the British East India Company**.

In this model the lower classes would be ruled under socialism and culled with eugenics (war, poison vaccines, man-made disasters) while the upper class rulers would live lives of **luxury** under the British peerage system. **In their system, free thinking could not be tolerated**, therefore, the Judeo-Christian ethic of **free will would have to be neutralized or**

abolished. According to **Rhodes' 200-year plan**, these commercial princes would operate as a **secret society** and use **Jesuit stealth** tactics to lie, cheat and steal to achieve their plan. Rhodes encouraged them that the resources to achieve this plan must be acquired at any cost.

The British South Africa Company would empower Rhodes to **run South Africa as a corporation** with its own **laws, taxes and police force**. This profligate governance model eventually led to Milner and Roberts establishing the **world's first concentrations camps** in the 2nd Boer War. Over 60,000 souls, including 14,000 children were murdered in these barbaric camps via **suspicious outbreaks of measles, typhoid and dysentery**. Family described to our researchers that children with even sniffles were taken away from their parents and never returned, presumed murdered. Notably, **Henry Wellcome supplied his medicine chests full of experimental vaccines to the British Army** that were used in these death camps.

The British acknowledge that the concentration camps helped break the backs of the Boers and led to their defeat. This ghoulish model was **repeated by Adolf Hitler** thirty years later.

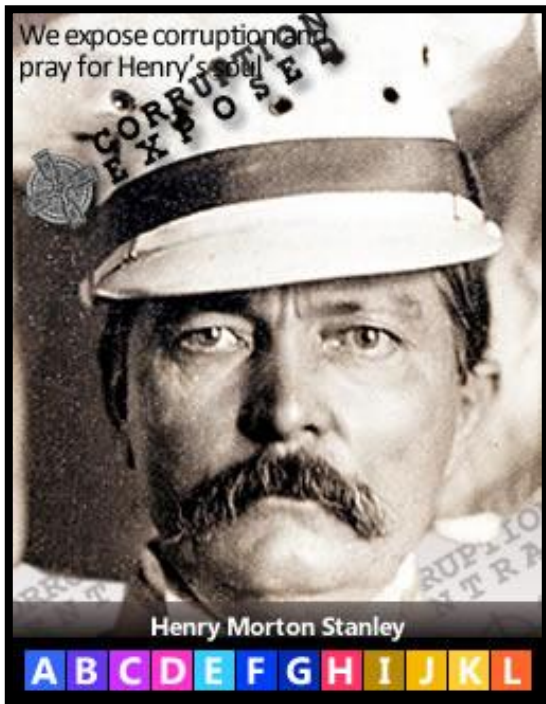


Fig. 18—Henry Morton Stanley, British explorer conspired with Henry (Rothschild) de Worms, Henry Wellcome and Cecil Rhodes to secure British monopolies in South Africa over diamond and gold mining, and pharmaceuticals. Stanley is buried in Pirbright, Surrey, UK.

The lionized British explorer Sir Henry M. Stanley is buried in Pirbright. His legend says he explored “Darkest Africa” and allegedly said upon encountering missionary David Livingstone who he was searching for: “Mr. Livingstone, I presume.” Given our new information into the propaganda surrounding the Stanley, we are wondering if any of this is true. It may have just been a tall tale that sold a lot of newspapers. It may have been a learning lesson for newspapermen that they could make up stories out of whole-cloth and the public would believe them unquestioningly.

In 1874, Stanley’s second African expedition was financed by two newspapers, *The New York Herald* and Britain’s *Daily Telegraph*. *The Daily Telegraph’s* editor, Edward Levy Lawson, later Lord Burnham, co-founder of the Pilgrims Society (1902), was chairman of the First Imperial Press Conference, 1909, and founded the Empire Press Union and while organizing of British MI6, MI5 and GC&CS, now GCHQ—the last three events all in the summer of 1909.

Henry Wellcome told the story of Stanley’s use of his medicine chests full of experimental vaccines in his *The Evolution of Journalism Etcetera* (pp. 150, 151, 291) that he presented to the 650 newspapermen delegates at the First Imperial Press Conference, 1909. In that conference he asked the delegates to repeat Stanley’s efforts to collect toxins, cures and poisons and he would reimburse them to be sent to his **Wellcome laboratories** in the UK for analysis.

Wellcome helped finance Stanley’s expeditions. Stanley also helped Belgium’s Prince Leopold II secure the Congo for the Rothschilds and De Beers’ diamond and gold interests.

Wellcome and Stanley were both born promoters who used the corridors of power to secure their wealth and influence. **Wellcome Trust today is the second largest grant-maker in the world after The Bill and Melinda Gates Foundation.**

Now we must return to Wellcome’s, Rhodes’s, Milner’s, Robert’s and Stanley’s Parliamentary sponsor Henry de Worms 1’s Baron Pirbright.

In his powerful positions at the Board of Trade and as overseer of the Colonies, De Worms was responsible for all patents and trademarks.

During this time, a bright young Serbian-born inventor named **Nicholai Tesla was inventing wireless telegraphy, electric light, motors, power and free energy devices**. His first patent, for an electric arc lamp, was awarded on Sep. 02, 1886 30, 1884. (De Worms assumed control of the Board of Trade in 1885).

Therefore, during De Worms trade and colonial oversight of the British patent office (1885-1892), **Tesla filed 56 patents**.

Hindsight makes it quite evident now that we can see the forces behind the transition of the British Empire from control by the British East India Company to a new form of British corporatist imperial fascism, that they would apply Rhodes' admonition to acquire resources at any cost, to stealing Tesla's wireless telegraphy invention for use in their imperial communications scheme for use in the Admiralty and as a propaganda tool to **control the masses and "create public opinion."**

It is our strong belief that these Robber barons created Guglielmo Giovanni Maria Marconi as their cardboard cut-out front man to create a British global **monopoly named Marconi Wireless** on emerging wireless telegraphy. In short, Marconi's alleged parallel invention of wireless telegraphy is all fake.

Indeed, during deWorms oversight of trade and the colonies, the British post office began secretly creating deals with Marconi Wireless without the knowledge of Parliament. The **insider trading** got so bad that [in 1913](#) it almost took down a future Prime Minister (David Lloyd George) and King's Counsellor Rufus Daniel Isaacs. These men while knowing that Marconi's monopoly (organized by De Worms and his Rhodes' relative Charles F.G. Masterman—later chief of the British War Propaganda Bureau) was unassailable, had secretly bought shares for themselves in Marconi America, just before Marconi Wireless Britain went public.

The unmistakable commonality here in Britain's new corporatist-fascist imperial plan for the new British Empire was to have unanimity of vision and direction across **banking** (dominated by Rothschilds), **pharma** (dominated by Wellcome), **government** (controlled ultimately by the Pilgrims Society), **Wireless Technology** (controlled by the Marconi Wireless monopoly), **propaganda** (controlled by the Empire Press Union) and **information** (controlled by MI6, MI5, GC& CS, renamed GCHQ).

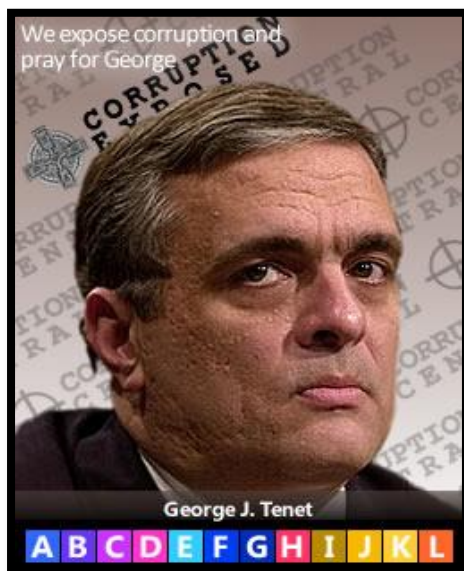
According to Rhodes' instructions, these men were compelled to nudge America back into the Empire. They used these levers of power and control to achieve this goals, and they are still at it today. After forming their secret Pilgrims Society and took control of global newspapers, intelligence, wireless and cable, they set out to recapture America.

Andrew Carnegie even bankrolled American education, textbooks and libraries to change American opinion about Britain in order to condition the population for **re-assimilation**.

- They use the Crown Agents to press this plan globally.
- They promoted the Round Table and Milner's Kindergarten.
- They promoted Fabianism.
- They promoted Zionism.
- They promoted Bolshevism, Socialism and Communism.
- They formed Reuters and Associated Press.
- They direct Daily Telegraph, Daily Mail, The Times, Washington Post, New York Times.
- They funded American libraries and textbooks.
- They promoted the League of Nations.
- They promoted the U.S. Federal Reserve.
- They promoted Fascism.
- They promoted The Inquiry.
- They crashed the U.S. stock market in 1929 to consolidate their ability to control American banks.
- They promoted the Council on Foreign Relations
- They formed organizations like the Tri-Lateral Commission, the Atlantic Council, NATO, Bilderberg, Aspen Institute, Bohemian Grove to promote their reassimilation of America into their new world order Empire.
- They promoted NATO.
- They promoted the World Bank and IMF.
- They stole the social networking inventions from Columbus-innovator Leader Technologies via the IBM Eclipse Foundation to unify and accelerate their activities world.
- The Crown Agents successfully formed the Senior Executive Service (SES), the Overseas Private Investment Corporation (OPIC), USAID, The Aerospace Corporation to take over the Executive Branch with a permanent Pilgrims Society bureaucracy.

We return to the question of why the Pirbright Institute—the **patent holder of CORONAVIRUS**—is situated on the same Ministry of Defence property as the Cobbett Hill Earthstation with massive array of powerful, weapons-grade antennas and dishes. And, that is only what we can see from satellite images.

As with most **secret government labs** doing often questionable and illegal research, these facilities are probably massive underground.



On paper, QinetiQ sold Cobbett Hill in 2004, but this appears to have been a shell game to hide the fact that the government flipped the property in order to avoid scrutiny. Given the fact that **former C.I.A. director George Tenet was a QinetiQ director** on [Oct. 24, 2006](#) (see also [QinetiQ 2006 Annual Report](#)) along with former **Deputy Chief of the Joint Chiefs of Staff Edmund P. Giambastiani, Jr.** (Oct. 08, 2008), who is believed to still be a director, continued **use of Cobbett Hill for illegal intelligence activity** is sure. Such facilities are difficult to build and are not easily replaced.

Fig. 13—George J. Tenet, outgoing C.I.A. Director became an QinetiQ director on Oct. 24, 2006.

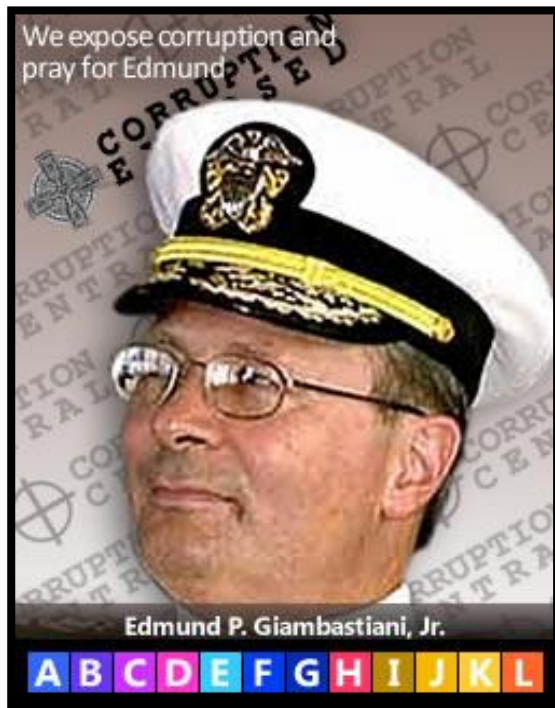


Fig. 14—Admiral Edmund P. Giambastiani, Jr., outgoing Deputy Chief of the Joint Chief of Staff became an QinetiQ director on Oct. 08, 2008.

One thing is certain, QinetiQ's current address in nearby Farnborough, near the airport, is not a good location for such satellites given all the interference from airport flight communications. In radio communications, once you get a **"clean" spot free of extraneous electronic noise, you tend to keep it.**

The Pirbright Institute records show that it is **heavily financed by Wellcome Trust, Bill Gates, the European Commission, the World Health Organization and U.S. DARPA.**

In addition to Wellcome, the pharmaceutical **AstraZenica** provides vaccine research funding also.

HOW DO WIRELESS TECHNOLOGY AND VACCINES GO TOGETHER?

Researchers all know that **stress increases disease.**

Imagine a Coronavirus specially constructed to **lie dormant in a person's body** until it is triggered by the right **radio frequency.**

Imagine **nano tech devices that can hide inside a vaccine** and be triggered by wireless transmissions passing through your body.

Imagine **5G technology** that, on command from Cobbett Hill Earthstation, can trigger **nano tech devices** in all the bodies of the citizens in an entire city.

Is this farfetched? Not at all.

"Directed Energy Weapons" are being openly disclosed by the military. While their propagandists are quick to say the tech is non-lethal, but the assertions are not believable given their history of lying. Their own descriptions indicate the ability to **stun, dazzle, blind, deafen, scream at "or even kill" at people while they think they are hearing the voice of God (Julian Assange is hearing voices).**

5G technology disperses these capabilities to be able to deliver signals to all people in a target area or group at the same time.

The Pirbright Institute appears to be **using** the Cobbett Hill satellite teleport facilities to communicate with their **Pilgrim Society minions** worldwide. Perhaps Nellie Ohr's shortwave set was actually communicating with QinetiQ at Cobbett Hill and the Pirbright Institute.

ARE THE C.I.A., MI6 & DARPA BUILDING BIO-WEAPONS LIKE CORONAVIRUS VIA QINETIQ, SERCO AND THE PIRBRIGHT INSTITUTE?

One thing is certain:

American and British Pilgrims Society, newspapers, intelligence, tech and banks must confess that they are using Crown-controlled QinetiQ and SERCO to get over **\$18 billion in U.S. defense contracts to build bio-weapons at The Pirbright Institute, Wellcome Trust, AstraZeneca, Crown Agents and Senior Executive Service (SES) to kill us.**

In conclusion, as we go to press with this post, the **author of the Biological Weapons Anti-Terrorism Act of 1989 (BWATA), international law professor Francis A. Boyle** indicates that the [University of North Carolina](#) was involved with the Coronavirus outbreak in China.

The Bill and Melinda Gates Foundation **heavily finances** both The Pirbright Institute and the University of North Carolina.

CONCLUSION:

The evidence is overwhelming that the **Pilgrims Society (which is often called the Deep State, Senior Executive Service, Crown Agents, shadow government)** is manipulating the public to achieve its new world order objectives.

The evidence is also overwhelming that the Pilgrims Society strategy, perhaps conceived long ago by Henry (Rothschild) de Worms, 1st Baron Pirbright, has been stealing and weaponizing patents since about the 1880's.

The patents being stolen **focus on vaccines, wireless technology, communications, computers, propaganda, mind control and educational delivery systems.**

DEFUND, DISGORGE, REBUILD GUIDED BY THE GOLDEN RULE

Now that the activities of the Pilgrims Society are becoming known, we citizens of the world must demand that **their source of money be cut**, force them to disgorge their ill-gotten gain to their victims, and (re)create governments that actually follow the Golden Rule—"Do unto others as you would have them do unto you" (Leviticus 19:18, Matthew 7:12 , Luke 6:31).

REMINDER RE. THE MILLER ACT NOTICE

Leader Technologies, Inc. sent their FIRST AMENDED MILLER ACT NOTICE to President Trump today. It is a contract demand for the U.S. Treasury to pay them for the federal government's 18-year theft of their social networking inventions. These inventions were stolen by Major General James E. Freeze (US Army, ret.) and Leader's patent attorney James P. Chandler, III, on behalf of Andrew W. Marshall and the Department of Defense Office of Net Assessment, and that Pilgrims Society that steals and weaponizes inventions for continuous war making and enrichment of its fascist insider military-industrial corporations.

FEDERAL BRITISH-AMERICAN PATENT WEAPONIZATION THIEVES

James P. Chandler, III Andrew W. Marshall

Patriots are encouraged to help get this First Amended Miller Act Notice to President Trump and past the Praetorian Guard. See American Intelligence Media republication of the Leader Miller Act Notice.

<https://tinyurl.com/y2ctf78g>

4.1.5 Is the Technocracy a Communist Manifesto?

Below are extracts from the book *"None Dare to Call Conspiracy"*³ a man recently told me about this book, this is an excerpt explaining socialism, communism and the illuminati:

So, on the surface it appears that the charges made against anti-Communists concerned with the internal threat of Communism are valid. The American people are not pro-Communist. But before our imaginary interviewee walks away in disgust with what he believes is a hokey survey, you add: "Sir, before you leave there are a couple of other questions I would like to ask. You won't find these quite so insulting or ludicrous." Your next question is: "What is Communism? Will you define it, please?"

Immediately a whole new situation has developed. Rather than the near unanimity previously found, we now have an incredible diversity of ideas. There are a multitude of opinions on what Communism is. Some will say: "Oh, yes, Communism. Well, that's a tyrannical brand of socialism." Others will maintain "Communism as it was originally intended by Karl Marx was a good idea. But it has never been practiced and the Russians have loused it up." A more erudite type might proclaim: "Communism is simply a rebirth of Russian imperialism."

If perchance one of the men you ask to define Communism happened to be a political science professor from the local college, he might well reply: "You can't ask 'what is Communism?' That is a totally simplistic question about an extremely complex situation. Communism today, quite unlike the view held by the right wing extremists in America, is not an international monolithic movement. Rather, it is a polycentric, fragmented, nationalistic movement deriving its character through the charismas of its various national leaders. While, of course, there is the welding of Hegelian dialectics with Feuerbachian materialism held in common by the Communist parties generally, it is a monumental oversimplification to ask 'what is Communism.' Instead you should ask:

³ NONE DARE CALL IT CONSPIRACY Copyright © 1971 by Gary Allen with Larry Abraham

What is the Communism of Mao Tse-tung? What is the Communism of the late Ho Chi Minh, or Fidel Castro or Marshal Tito?"

If you think we are being facetious here, you haven't talked to a political science professor lately. For the above is the prevailing view on our campuses, not to mention in our State Department.

Whether you agree or disagree with any of these definitions, or, as may well be the case, you have one of your own, one thing is undeniable. No appreciable segment of the anti-Communist American public can agree on just what it is that they are against. Isn't that frightening? Here we have something that almost everybody agrees is bad, but we cannot agree on just what it is we are against.

How would this work in a football game, for example? Can you imagine how effective the defense of a football team would be if the front four could not agree with the linebackers who could not agree with the corner backs who could not agree with the safety men who could not agree with the assistant coaches who could not agree with the head coach as to what kind of defense they should put up against the offense being presented? The obvious result would be chaos. You could take a sand lot team and successfully pit them against the Green Bay Packers if the Packers couldn't agree on what it is they are opposing. That is academic. The first principle in any encounter, whether it be football or war (hot or cold), is: Know your enemy. The American people do not know their enemy. Consequently, it is not strange at all that for three decades we have been watching one country of the world after another fall behind the Communist curtain.

In keeping with the fact that almost everybody seems to have his own definition of Communism, we are going to give you ours, and then we will attempt to prove to you that it is the only valid one. Communism: AN INTERNATIONAL, CONSPIRATORIAL DRIVE FOR POWER ON THE PART OF MEN IN HIGH PLACES WILLING TO USE ANY MEANS TO BRING ABOUT THEIR DESIRED AIM-GLOBAL CONQUEST.

You will notice that we did not mention Marx, Engels, Lenin, Trotsky, bourgeois, proletariat or dialectical materialism. We said nothing of the pseudo-economics or political philosophy of the Communists. These are the TECHNIQUES of Communism and should not be confused with the Communist conspiracy itself. We did call it an international conspiratorial drive for power. Unless we understand the conspiratorial nature of Communism, we don't understand it at all. We will be eternally fixated at the Gus Hall level of Communism. And that's not where it's at, baby!

The way to bring down the wrath of the Liberal press Establishment or the professional Liberals is simply to use the word *conspiracy* in relation to Communism. We are not supposed to believe that Communism is a political conspiracy. We can believe anything else we wish to about it. We can believe that it is brutal, tyrannical, evil or even that it intends to bury us, and we will win the plaudits of the vast majority of American people. But don't ever, ever use the word *conspiracy* if you expect applause, for that is when the wrath of Liberaldom will be unleashed against you. We are not disallowed from believing

in *all* types of conspiracy, just modern political conspiracy.

We know that down through the annals of history small groups of men have existed who have conspired to bring the reins of power into their hands. History books are full of their schemes. Even *Life* magazine believes in conspiracies like the Cosa Nostra where men conspire to make money through crime. You may recall that *Life* did a series of articles on the testimony of Joseph Valachi before the McClellan Committee several years ago. There are some aspects of those revelations which are worth noting.

Most of us did not know the organization was called Cosa Nostra. Until Valachi "sang" we all thought it was named the Mafia. That is how little we knew about this group, despite the fact that it was a century old and had been operating in many countries with a self-perpetuating clique of leaders. We didn't even know it by its proper name. It is not possible a political conspiracy might exist, waiting for a Joseph Valachi to testify? Is Dr. Carroll Quigley the Joseph Valachi of political conspiracies?

We see that everybody, even *Life* magazine, believes in some sort of conspiracy. The question is: Which is the more lethal form of conspiracy criminal or political? And what is the difference between a member of the Cosa Nostra and a Communist, or more properly, an *insider* conspirator? Men like Lucky Luciano who have scratched and clawed to the top of the heap in organized crime must, of necessity, be diabolically brilliant, cunning and absolutely ruthless. But, almost without exception, the men in the

hierarchy of organized crime have had no formal education. They were born into poverty and learned their trade in the back alleys of Naples, New York or Chicago.

Now suppose someone with this same amoral grasping personality were born into a patrician family of great wealth and was educated at the best prep schools, then Harvard, Yale or Princeton, followed by graduate work possibly at Oxford. In these institutions he would become totally familiar with history, economics, psychology, sociology and political science. After having graduated from such illustrious establishments of higher learning, are we likely to find him out on the streets peddling fifty cent tickets to a numbers game? Would you find him pushing marijuana to high schoolers or running a string of houses of prostitution? Would he be getting involved in gang-land killings? Not at all. For with that sort of education, this person would realize that if one wants power, real power, the lessons of history say, "Get into the government business." Become a politician and work for political power or, better yet, get some politicians to front for you. That is where the real power — and the real money — is.

Conspiracy to seize the power of government is as old as government itself. We can study the — conspiracies surrounding Alcibiades in Greece or Julius Caesar in ancient, Rome, but we are not supposed to think that men today scheme to achieve political power.

Every conspirator has two things in common with every other conspirator. He must be an accomplished liar and a far-seeing planner. Whether you are studying Hitler, Alcibiades, Julius Caesar or some of our contemporary conspirators, you will find that their patient planning is almost overwhelming. We repeat FDR's statement: "In politics, nothing

happens by accident. If it happens, you can bet it was planned that way."

In reality, Communism is a tyranny planned by power seekers whose most effective weapon is the big lie. And if one takes all the lies of Communism and boils them down, you will find they distill into two major lies out of which all others spring. They are: (1) Communism is inevitable, and (2) Communism is a movement of the downtrodden masses rising up against exploiting bosses.

Let us go back to our imaginary survey and analyze our first big lie of Communism — that it is inevitable. You will recall that we asked our interviewee if he was for or against Communism and then we asked him to define it. Now we are going to ask him: "Sir, do you think Communism is inevitable in America?" And in almost every case the response will be something like this: "Oh, well, no. I don't think so. You know how Americans are. We are a little slow sometimes in reacting to danger. You remember Pearl Harbor. But the American people would never sit still for Communism."

Next we ask: "Well then, do you think socialism is inevitable in America?" The answer, in almost every case will be similar to this: "I'm no socialist, you understand, but I see what is going on in this country. Yeah, I'd have to say that socialism is inevitable."

Then we ask our interviewee: "Since you say you are not a socialist but you feel the country is being socialized, why don't you do something about it?" His response will rim: "I'm only one person. Besides it's inevitable. You can't fight city hall, heh, heh, heh."

Don't you know that the boys down at city hall are doing everything they can to convince you of that? How effectively can you oppose anything if you feel your opposition is futile? Giving your opponent the idea that defending himself is futile is as old as warfare itself. In about 500 B. C. the Chinese war lord-philosopher Sun Tsu stated, "Supreme excellence in warfare lies in the destruction of your enemy's will to resist in advance of perceptible hostilities." We call it "psy war" or psychological warfare today. In poker, it is called "running a good bluff." The principle is the same.

Thus we have the American people: anti-Communist, but unable to define it and anti-socialist, but thinking it is inevitable. How did Marx view Communism? How important is "the inevitability of Communism" to the Communists? What do the Communists want you to believe is inevitable Communism or socialism? If you study Marx' *Communist Manifesto* you will find that in essence Marx said the proletarian revolution would establish the SOCIALIST dictatorship of the proletariat. To achieve the SOCIALIST dictatorship of the proletariat, three things would have to be accomplished: (1) The elimination of all right to private property; (2) The dissolution of the family unit; and (3) Destruction of what Marx referred to as the "opiate of the people," religion.

Marx went on to state that when the dictatorship of the proletariat had accomplished these three things throughout the world, and after some undetermined length of time (as you can imagine, he was very vague on this point), the all powerful state' would miraculously wither away and state socialism would give way to Communism. You wouldn't need any government at all. Everything would be peace, sweetness and light and everybody would live happily ever after. But first, all Communists must work to establish SOCIALISM.

Can't you just see Karl Marx really believing that an omnipotent state would wither away? Or can you imagine that a Joseph Stalin (or any other man with the cunning' and ruthlessness necessary to rise to the top of the heap in. an all-powerful dictatorship) would voluntarily dismantle the power he had built by fear and terror?'

(*Karl Marx was hired by a mysterious group who called themselves the League of Just Men to write the *Communist Manifesto* as demagogic boob-bait to appeal to the mob. In actual fact the *Communist Manifesto* was in circulation for many years before Marx' name was widely enough recognized to establish his authorship for this revolutionary handbook. All Karl Marx really did was to update and codify the very same revolutionary plans and principles set down seventy years earlier by Adam Weishaupt, the founder of the Order of illuminati in Bavaria. And, it is widely acknowledged by serious scholars of this subject that the League of Just Men was simply an extension of the Illuminati which was forced to go deep underground after it was exposed by a raid in 1786 conducted by the Bavarian authorities.)

Socialism would be the bait ... the excuse to establish the dictatorship. Since dictatorship is hard to sell in idealistic terms, the idea had to be added that the dictatorship was just a temporary necessity and would soon dissolve of its own accord. You really have to be naive to swallow that, but millions do?

The drive to establish SOCIALISM, not Communism, is at the core of everything the Communists and the *Insiders* do. Marx and all of his successors in the Communist movement have ordered their followers to work on building SOCIALISM. If you go to hear an official Communist speaker, he never mentions Communism. He will speak only of the struggle to complete the socialization of America. If you go to a Communist bookstore you will find that all of their literature pushes this theme. It does *not* call for the establishment of Communism, but SOCIALISM.

This is exactly what is happening in the US today and COVID-19 is the perfect storm.

Rotary offered the first Rotary Peace & Conflict Studies course in Bangkok, Thailand. As part of the course a road trip to the Killing Fields and Tuol Sleng Genocidal Museum in Cambodia was organised. This was the outcome of Marist beliefs systems that collapsed the country into a totalitarian state which took a huge toll on the public. It was painful to go to these horrific sites, but it was necessary to understand why conflict resolution is important. To think about pathways to peace. To reflect on why this need for power? why the distrust? why the paranoia? and why millions had to die because one man felt impure and weak.

I am reflecting on the times we are in and I can see there is a great global reset, the green new deal with the aim of creating a utopian society. This feels not unlike year zero and this idea of purification or purging those from the system who do not conform or comply mirrors 'you are with us or against us' mentality. The coming global food shortages and the ushering in of a technocratic regime which is run by large multinationals and global players are the landed gentry and landlords that are seeking to control our world. I consider my visit to Cambodia as background to where my country is heading and illuminating informing me of why?

Here is an excerpt out of my book "A Fool for Peace" a powerful moment in my life:

Pol Pot studied **Marxism** in Paris and when in power started an experiment to create an **agrarian utopia** modelled in part on Mao Zedong's Cultural Revolution (Great Leap Forward) which he had witnessed during a visit to China. Cambodia's name changed to the Democratic Republic of Kampuchea. **Year Zero began and the aim was to purify society of capitalism, western culture, religion, foreign influences** in favour of a peasant communism. The Khmer Rouge killed anyone that opposed Pol Pot or threatened the perceived utopian society, they even killed people wearing glasses believing them to be intellectuals. The irony was many deaths occurred during this period were due to **starvation** on the very agricultural land they worked.

Apparently 20,000 were tortured into **false confessions** or suspects shot. We walked past silently the endless rows of photos of those who were perceived as Khmer Rouge traitors. They were all killed. They were innocent mum's, dad's, grandparents and children.



I felt the death in this place and found myself **deeply contemplating** the reality and mind-set of murder (see photo). I imagined how **negative projection devalues humanity** and sees the enemy. I felt the negative energy still in the walls of this place, later I had a shower trying to wash it off.

I thought how do we educate children to get this? Maybe a course 'From Pol Pot to Gandhi'.

Who will Go Fund Me?

For those who stand up nonviolently to tyranny in all its forms, there is great courage and self sacrifice I met some of the most couragerous people, mostly unpaid or poorly paid who were under constant surveillance by government and were on the front line of democracy standing for respect, kindness, equality, inclusion and basic safety as a right to life. For those who challenge oppression and corruption can be targeted by violent people who believe murder is a solution when there are many options to resolve differences. Yet violence and control is all they know, they do not make space for other voices as they do not respect poverty they regard it on some level as a failing or proof of inferiority.

4.1.1 All the Queen's Agents and all the Queen's Corporations that Control the World⁴

Note: Key extracts: "...Now let's look at the top shareholders of the top military contractors for America, who we call the Corporate or Bankster Warlords to see what connections they might have to the British Crown's investments. Vanguard Group, State Street Corp, Capital Research Global Investors, Templeton Investment Counsel LLC, Barclays Bank Plc, BlackRock Investment Management (UK) Ltd., Schroder Investment Management, Capital World Investors, Bank of America Corporation, JPMorgan Chase & Co., Bank of New York Mellon Corp, Black Rock Advisors, Black Rock Fund Advisors, Old Republic International, Wellington Management Company, BlackRock Institutional Trust Company, N. A., Evercore Trust Company, N. A., FMR, LLC, , Invesco Ltd., Franklin Resources, Goldman Sachs Group Inc., T. Rowe Price Group, Inc. What is worth noting about this list is that you can find some of the usual suspects: Rothschilds, Rockefellers, Morgans, Warburgs, and the rest of the Bankster Warlords behind some of these names.... The Knights of Malta are mainly involved in working for and with the Black Nobility (royalty without an active throne), the Vatican, and the various Papal and Royal Orders, especially the Jesuits who are ultimately in control of the Vatican and the Military Order of Malta. The SMOM's most powerful controlling inner-cores are the Order of the Garter and the Pilgrim Society which are controlled by the Queen.

When you look at who controls the financial world you will find it is the Equestrian Order of the Holy Sepulchre of Jerusalem, Order of Malta and Opus Dei through the City of London Corporation and The Worshipful Company of Mercers and the more recent The Worshipful Company of International Bankers



We may not realize it, but **we are still subjects** of the British Monarchy. American history books and classes indoctrinated (propaganda) us into believing we had won the American Revolution. But we didn't. We are still subjects of Queen Elizabeth.

The history books were written by the victors and their big publishing houses. And it was much easier to control the new colonies by letting them think they had won their independence, while the British Crown carefully laid their tentacles throughout America, tentacles that grew longer and stronger with every passing year.

We aren't the America we think we are. **That's the big red pill. Most of us on planet Earth are still under the Queen's rule.**

To get started with the real history of who runs planet Earth, we suggest that you listen to this conversation between Betsy and Thomas. They will explain the big picture. Then you will be ready to read the report that follows.

[Lizzie Owns it All](#)

The Queen's Prerogative

English law prohibits questioning the Monarchy about their personal holdings and business.

⁴ <https://aim4truth.org/2018/04/17/exposed-all-the-queens-agents-and-corporations-that-control-the-world/>

This is true of most of Europe's royalty, whether enthroned or not. The wealth of the Monarchies is held outside of the countries that made the wealth. The British Crown's offshore banks hold the greatest personal wealth in the world estimated at \$35 trillion. Perhaps the **British Crown still owns and controls its Commonwealth Nations**, including the American "colonies."

Monarchies are not supposed to be **warlord bankers** who create conflict and chaos to turn a profit or destabilize an economy for personal gain. But they have been for some time now, and history is a string of immoral wars caused by monarchies, the Vatican and other religions. Untold millions have died while kings and popes lived on to grab the wealth through well-established institutions that were created to control the commoner.

The [Commonwealth of Nations](#), headed by Queen Elizabeth II, is made up of **53 nations**, spanning the globe, accounting for one-fifth of the land mass of the Earth, and a very high percentage of its strategic resources and population. **The Queen is a Knight of Malta and has vowed allegiance to the Pope** through the largest insider trading club on the planet. The British Crown Agents are, in fact, also agents of the Vatican's Knights of Malta.

The Queen is a Knight of Malta

The Sovereign Military Order of Malta (SMOM) took **control of the power and wealth of the Poor Fellow-Soldiers of Christ and of the Temple of Solomon** from within the Roman system. The SMOM controlled the banking and military power for the Vatican for hundreds of years through the first central bank, the **Vatican Bank**.

The Roman Catholic priestly order of the Jesuits (Society of Jesus) subordinated the SMOM in 1798 aided by Napoleon Bonaparte. This would eventually lead to the **Jesuits installing British control over the Island Malta** and the founding of a Jesuit College manned by British Jesuits. The Jesuits became somewhat crippled by this suppression in Catholic controlled Europe, so in order for the Jesuits to secure South American wealth they used **Protestant** banking houses and formed an alliance with the **Venetian influences over Britain like the Pallavicini family who control the Monarchy and Rothschilds**.

The Jesuits in 1840 put the Haus Sachsen-Coburg und Gotha **bloodline** into the position of Monarchy of Great Britain. This house is known today as the Windsor House which still rules the UK and the Commonwealth Nations. The same fate would eventually happen to the Vatican itself after suppressing the Jesuits in 1773. The Jesuit Order took control of the Papacy by 1814 and had enacted revenge once again for their persecution.

The Order of Malta and the recognized protestant divisions all play a role commanded by the Jesuit Order. This includes **The Most Venerable Order of the Hospital of Saint John of Jerusalem controlled by Queen Elizabeth II**. If you look at the last Grandmasters of the Order of Malta you will notice they came from Britain. Former-Grandmaster Andrew Willoughby Ninian Bertie was a cousin to Queen Elizabeth II originated within the Grand Priory of England. **The British arm of the Order of Malta controlling St John's Wood is known as the Grand Priory of England**. This location was once also a **Knights Templar** headquarters in Britain. The Order of Malta even owned Londinium (TheCityofLondon). TheCityofLondon was eventually rented out by the Order of Malta as their headquarters. The Jesuits took over Londinium in 1825 aided by the Rothschild family who had become the most powerful economic force in England.

When you take a look at many of the influential positions of power today, whether it is in banking, military, pharmaceutical or intelligence, you will always find Knights of Malta.

The Knights of Malta are mainly involved in **working for and with the Black Nobility** (royalty without an active throne), the Vatican, and the various Papal and Royal Orders, especially the **Jesuits who are ultimately in control of the Vatican and the Military Order of Malta**. The SMOM's most powerful controlling inner-cores are the [Order of the Garter and the Pilgrim Society](#) which are controlled by the Queen.

When you look at who **controls the financial world** you will find it is the [Equestrian Order of the Holy Sepulchre of Jerusalem](#), [Order of Malta](#) and [Opus Dei](#) through the [City of London Corporation](#) and [The Worshipful Company of Mercers](#) and the more recent [The Worshipful Company of International Bankers](#).

The Queen's Offshore Kingdom

"One third of all world wealth is held offshore, and about half of all world trade flows through those tax havens." – The Tax Justice Network

James S. Henry, former chief economist at **McKinsey & Company**, estimates that wealthy individuals have **approximately \$35 trillion in private financial wealth** tucked away in offshore havens with \$6.1 trillion in UK dependent states.

As a result of this offshore accounting, it is estimated that **60% of global trade now consists of internal transactions within multinational companies**. In total, it is estimated that this complex corporate offshore accounting multinational corporations **avoid paying about \$240 billion** per year in taxes.

TheCityofLondonUK is now the money laundering capital of the world with UK firms aiding corrupt officials and criminals from across the globe to hide trillions of US dollars of ill-gotten gains. British-based banks have helped hide more than \$6 trillion in nefarious payments and criminal proceeds since 2000.

Cayman Islands benefit from the added support of being a **territory of the United Kingdom**. The Caymans offer a number of tax-free incentives and little financial regulation and oversight. Today the country is the world's fifth largest financial services center. It plays host to over 10,000 mutual funds, over 200 banks, over 90,000 companies, and 140 trust companies. It's the world's top home for hedge funds and captive health insurance companies.

Bermuda is another piece of UK territory that has long been known as a tax haven. Bermuda's tax system puts taxes on staff payrolls, but not on corporate earnings or investment income. Its largest customer for offshore transactions is the United States.

Guernsey belongs to the British Crown but makes its own laws on matters such as taxation. The island of 65,000 people has made a big push towards being an offshore finance destination, and its main street is lined with private banks, law firms, and accounting firms.

Jersey is another small British Crown dependency in the English Channel. Jersey prints its own banknotes and makes its own tax laws. A culture of secrecy and non-disclosure in the island has resulted in Jersey housing an estimated \$5 billion dollars of wealth per square mile. Half of Jersey's tax avoidance trade comes from the UK.

The "British" U. S. Federal Reserve

Using the first major corporation in England as their model, **the British East India Company, warlord bankers start wars for profit**. Slavery and the looting of mines, gold, diamonds, minerals, and land is all in a day's work for an imperialist. England's imperialism has worked into the economic and banking practices worldwide and the Queen's Crown Agents and Agencies have controlled global resources for centuries.

There is a **linear connection** between the **Rothschilds, the Bank of England, and the London banking houses** which ultimately links the stockholders of the **Federal Reserve Banks** to their subsidiary firms in New York and TheCityofLondonUK. The two principal Rothschild representatives in New York, **J. P. Morgan Co., and Kuhn, Loeb & Co.** were the firms which set up the [Jekyll Island Conference](#) at which the [Federal Reserve Act](#) was created and directed the subsequent successful campaign to have the plan enacted into law by Congress, and who purchased the controlling amounts of stock in the [Federal Reserve Bank of New York](#) in 1914.

These firms had their principal officers appointed to the Federal Reserve Board of Governors and the Federal Advisory Council in 1914. In 1914, a few families (blood or business related) owning controlling stock in existing banks caused those banks to purchase controlling shares in the Federal Reserve regional banks. Examination of the charts and text in the [House Banking Committee Staff Report of August, 1976](#) and the current stockholders list of the twelve regional Federal Reserve Banks show this same family control.

The Queen Loves War Spoils

Now let's look at the **top shareholders of the top military contractors** for America, who we call the Corporate or Bankster Warlords to see what connections they might have to the British Crown's investments.

*Vanguard Group, State Street Corp, Capital Research Global Investors, Templeton Investment Counsel LLC, Barclays Bank Plc, BlackRock Investment Management (UK) Ltd., Schroder Investment Management, Capital World Investors, Bank of America Corporation, JPMorgan Chase & Co., Bank of New York Mellon Corp, Black Rock Advisors, Black Rock Fund Advisors, Old Republic International, **Wellington Management Company**, BlackRock Institutional Trust Company, N. A., Evercore Trust Company, N. A., FMR, LLC, , Invesco Ltd., Franklin Resources, Goldman Sachs Group Inc., T. Rowe Price Group, Inc.*

What is worth noting about this list is that you can find some of the usual suspects: Rothschilds, Rockefellers, Morgans, Warburgs, and the rest of the Bankster Warlords behind some of these names.

To make things even more complex, so that we can never figure out who is in charge, **every one of these corporations owns major shares in every other corporation.** *They are intertwined like a grape vine.* If we look closer we find that every one of these corporations conducts international business and is invested in international military ventures.

This type of "corporate warfare" is transnational. It is beyond being international or global. These companies work outside of the control of America as a nation and have stronger ties to Britain than to America. They work against Americans with their transnational economic warfare and make money from both sides of any conflict.

Essentially, these British and international corporations are war criminals just like [Henry Schroder, the Brit who funded both Hitler and England](#). *This type of banking warfare is common throughout British history.*

The Crown's Money-Making War Machine

Essentially, all the conspiracies about the Queen of England have some merit after following the money back to the **warlord bankers who set up the U.S. Federal Reserve.** But unlike most conspiracy theories suggest, the Federal Reserve regional banks are not the true culprits. The true culprits are the original investors in the corporations, listed above, who serve the military through all types of wars – physical conflicts, cyberwarfare, and economic terrorism.

*It is the interwoven fabric of the **investments of the war-supporting corporations** that have created a system that is inbred and tied to Britain...and then to Rome.* Simply through the association of the royal families of the world who are members of the Knights of Malta you have an economic intelligence community that is comprehensive insider trading at a transnational level. The monarchies must protect their financial interests and pass wealth onto their family members. That is why so many of the **richest families intermarry** – to keep it "all in the family."

The richest and most powerful people in the world belong to the Knights of Malta, the Equestrian Order of the Holy Sepulchre of Jerusalem, the Order of the Garter, the Teutonic Knights and other orders that vow allegiance to the British Crown and subsequently to the Vatican. If we wish to broaden the perspective, one can add that the Society of Jesus, the Jesuits, are involved at all levels and have worked tirelessly as the soldiers of the Pope to create the ultimate "insider spy network" for the Vatican Bank.

British Private Intelligence Agencies

The UK has many private intelligence agencies who are devoted to the collection, analysis, and exploitation of information for a profit. Christopher Steele, the author of the Carter Page Dossier was a former British spy, which shows you the unethical nature of "British spying." Sixty3, Orbis Business International, Cambridge

Analytica, and many other British private intelligence agencies sell propaganda as intelligence. Often these corporations have private contracts with the U. S. military and government and maintain top secret security clearances with the United States. Britain has not shown itself to be "honest spies" as is evidenced in the Iraq "weapons of mass destruction" lies and the current British disinformation coming out of Syria.

Some US \$56 billion or **70% of the US \$80 billion national intelligence budget** of the United States was in 2016 **earmarked for the private sector**. Functions previously performed by the Central Intelligence Agency (CIA), National Security Agency (NSA), and other intelligence agencies are now **outsourced to private British intelligence corporations**. Some prominent British intelligence agencies who maintain military and government contracts with America are:

[AEGIS](#) (UK-based)

[Black Cube](#) (Israel & UK-based)

[Control Risks Group](#) (UK-based)

[Hakluyt & Company](#) (UK-based)

[Oxford Analytica](#) (UK-based)

Serco Group PLC (UK-based)

Can we really trust intelligence from a country that has provided false intelligence many times? [It was British intelligence itself that spied on Trump from the NSA's headquarters in Fort Mead](#). "Lie to me once, shame on you. Lie to me twice, shame on me."

Who Really Owns and Runs the Bank of England?

When the Jesuits were suppressed by the Pope in 1773, they used their covert power over England to have the **Rothschild family become guardians** over the Jesuit South American stolen wealth instead of **depositing it in the Vatican Bank**. This action started a **banking war** between the Vatican and the Jesuits who used the Rothschild family as the anti-Vatican Bank. The Rothschild's eventually became the **guardians of the Jesuit treasury** in TheCityofLondon. The Rothschild's used The Worshipful Company of Mercers to create the Bank of England which now held the Jesuit wealth stolen from South America. **The Bank of England's efforts were focused on taking over TheCityofLondonUK** from Vatican control.

The Knights of Malta have **never been favorites** of the Jesuit Order. This hatred of the Knights of Malta increased even further in 1768 when the **Knights removed the Jesuits** from the Island of Malta. The Jesuits sought their revenge one year later in 1798 using **Napoleon**.

The **Jesuits** subordinated the Knights of Malta in the same year and that was the true start of the **take-over of TheCityofLondonUK** which was still ruled covertly by the Knights of Malta.

If you look at St. John's Wood where the Order of Malta are based, you will see it is the old haunt of the Knights Templar in England since the time that **TheCityofLondonUK became a sovereign Nation**. If you look at one of the four of the most powerful Order of Malta headquarters in Rome, you will see that the Aventine Hill is another old Templar haunt which was their original World Headquarters.

The control of the Bank of England through **The Worshipful Company of Mercers** is what controls the global economy. The U.S. economy is fully controlled by the Mercers and Bank of England and has been since 1868. TheCityofLondonUK controls the U.S. Economy through **the Royal Institute for International Affairs** which subsequently controls the Council on Foreign Relations (CFR). The **CFR has set U. S. foreign policy** since its inception.

TheCityofLondonUK controls the which subsequently **controls the Federal Reserve** of New York, **World Bank and the International Monetary Fund**. TheCityofLondonUK controls the **U.S. Treasury** monetary policy which commands all three of those globalist organizations through the Exchange Stabilization Fund.

Queen Lizzy's Imperial Control of America

The British Crown and the British East India Company have never left America, and in fact, the **Crown Agents** still do their business to this very day. They have a death grip on the U. S. economy. From data management, to corporate banking, to the rip-off of American resources of gas, uranium, gold, and every other valuable asset in the United States, American wealth feeds directly into Britain, the Bank of England, TheCityofLondonUK, and ultimately to the British Monarchy – Queen Elizabeth II herself.

The American corporate mechanism for the continued enrichment of the British Crown is the same one used for the corporate sell-out of the American Republic: corporate lobbyists controlling Congress, corporate pay-to-play through the executive branch (Department of State, etc.), and the Senior Executive Service (SES) to maintain the bureaucratic status quo that sells out to global corporatism at every turn with no-bid contracts and cronyism that clearly shows that we are subjects of the British Monarchy.

The Senior Executive Service hides in plain sight, but operates in a manner that **aligns** with the imperialistic intents of **Serco** and the numerous other corporations like **British Petroleum, Shell, ICAP, British American Tobacco, SABMiller, American Standard Life, Rio Tinto, and Ixstrata** among many others.

The History of Crown Agents

A Crown Agency was an **administrative body** of the British Empire, distinct from the [Civil Service Commission](#) of Britain or the government administration of the national entity in which it operated. These enterprises were overseen from 1833 to 1974 by the Office of the Crown Agents in London, thereafter named the **Crown Agents for Overseas Governments and Administration**. [Crown Agents for Overseas Governments and Administrations Ltd](#) became a **private Limited company** providing development services in 1996.

Crown Agencies nominally reported directly to (and were wholly **owned** by) the Crown, but in practice, **reported to the Crown Agency Office in London**, thus independent of the Colonial Office. This office became, in the late 19th century, the sole official British commercial and financial agent of all British protectorates and Crown colonies. The Colonial Office enforced a policy of sole usage of crown agencies for all **purchases of goods for government use**, creating a virtual monopoly over government retail supply **within the colonies** of the British Empire.

The Crown Agencies also became **financial institutions**, supplying capital, routes for investment, and pensions to all public works and government in British dependent colonies. Is it even reasonable to believe that after the American Revolution, American companies did not continue to do business with these crown companies for resources, goods and services? Life went on.

Crown Agencies trace their founding to the time of the **British Empire and in 1833** the British government, hived off from the Colonial Office as a financing, stores, transport, and development office. Historians have argued that crown agencies, whose organizations operated across the British Empire in the late 19th and early 20th centuries, were the de facto administrators of British colonies. Crown Agencies wielded governmental powers through a maze of British territories, protectorates, dependencies, Mandates, and Crown Colonies which made up the British Empire of the late 19th century. After this, their mandate was reduced to “dependent” colonies (most of British Africa, India, and the West Indies), but they were given near monopoly rights over finance and supply of non-local manufactures for any public or government use. With the dissolution of the British Empire, many of these agencies reverted to control by their respective governments, became parts of the British government, or became [non-governmental organizations](#) (NGOs).

The British government incorporated the **Crown Agency as a government mandated corporation** tied to the [Minister of Overseas Development](#), called the Crown Agents for Overseas Governments and Administration. In 1997, the Crown Agency was privatized. As a private limited company, the [CAOGA](#) has a number of contracts to provide governmental or para-governmental services throughout the world. Even though these organizations were “privatized” on paper, the **power generally did not** shift, it merely transformed into shareholder holdings and boards of directors. The term “**Golden Share**” developed to describe **special rights given to the Queen** in a stock company that gave her **special preferential rights over voting and profit distribution**—and thus ultimate control—like she had before.

While privatization allowed more shareholders, the Queen generally continued to control votes and profit distribution in wild disproportion to her single 10 pence voting share (Golden Share) in the mining mega company **Rio Tinto PLC**, for example. In addition, whenever one sees that British royalty populate a company's board of directors, remember that these are people who pledged an oath of allegiance to the Queen first, company second.

The legal category of crown agencies still exists in some nations of the former British Empire. In most places, these have been replaced by government agencies, state-controlled companies, and (in parts of the Commonwealth) **Crown Corporations**. Canada and New Zealand maintain the category of government managed or owned entities called Crown Agencies.

Crown Agents International

Crown Agents International (CAI) is an international development company that works with **governments, aid agencies, NGOs and companies in nearly 100 countries**. Through consultancy, supply chain management and financial services, they help countries grow their economies, strengthen their health systems and improve financial management.

CAI is headquartered in Sutton, Surrey but has an established network of international offices, project offices or representatives in 40 countries.

CAI is one of the world's leading experts in public procurement and supply chain management and they provide financial services to facilitate development, focusing on international payments and cash management, trade finance and investment management for donors, NGOs and financial institutions.

Crown Agents USA Inc.

The following descriptions of the corporation, Crown Agents USA Inc., are taken from their website, found at: <http://www.crownagents.com/about-us/our-clients/us-government>.

Our story begins in the 1700s, when colonial administrations **employed agents** to recruit people and procure and ship supplies to the colonies. Some agents had been authorized to manage British Treasury grants and they had become known (unofficially) as crown agents.

On April 1, 1833, the British government appointed the first **Joint Agents General for Crown Colonies**, George Baillie and Edward Barnard. Although appointed by the **British Treasury**, the Joint Agents General were accountable only to the governors of the **13 crown colonies** that they served. They managed grants, raised capital, recruited personnel and shipped supplies for their clients.

Since our incorporation in the United States, we have provided technical assistance services and support to U.S. Government agencies, including the United States Agency for International Development (**USAID**), Millennium Challenge Corporation (**MCC**), Department of State (**DOS**), Department of Defense (**DOD**), and the United States Trade and Development Agency (**USTDA**).

We are an international development company that partners with governments, aid agencies, NGOs and companies in nearly 100 countries. We help countries grow their economies, strengthen their health systems and improve financial management. We have permanent offices in 22 countries and presence in another 18 through our project offices and representatives.

We are a **limited company owned by a non-profit-making** foundation. The [Crown Agents Foundation](#) is our sole shareholder and oversees our ethos and activities. The [Crown Agents Board](#) is responsible for the company's corporate governance. We were founded in 1833 and operated as a British statutory corporation for many years before being privatized in 1997."

Contracts with USAID

As an implementing partner of USAID, Crown Agents USA Inc. provides expertise in the areas of **procurement, public financial management, logistics, health systems strengthening, private sector development, monitoring and evaluation, and agriculture**. Here is a list of contracts that Crown Agents USA Inc. has with America that American's themselves could easily accomplish.

United States Agency for International Development (USAID) contracts:

Worldwide: [Public Financial Management IDIQ](#), 2012-2017 (\$700 million)

For example, here are three Crown Agents USA Inc. contracts with USAID associated with this single "Indefinite Delivery, Indefinite QUANTITY" USAID Public Financial Management contract (Read: a blank check):

[Crown Agents USA Inc. Washington DC Federal Vendor Contracting Profile\[1\]](#)

[AIDOAAI1200038](#) \$23.7m[2]

[AIDOAAI1200038-AID391TO1500001](#) \$6.6m[3]

[AIDOAAI1200038-AIDOAATO1400007](#) \$19m[4]

Worldwide: [Supply Chain Management System](#) 2005-2015

Worldwide: [Farmer to Farmer Special Program Support](#) 2008-2014

Worldwide: [USAID – Deliver I & II Project](#), 2006-2015

Worldwide: Agribusiness & Agriculture Value Chain Development Assessment 2010-2014

Worldwide: [Agricultural Knowledge and Program Support Work](#), 2010-2015

Worldwide: Climate Economic Analysis for Development, Investment, and Resilience 2014

Worldwide: Business Growth Initiative, 2006-2011

Worldwide: Evaluation Services IQC, 2010-2015, subcontractor to AMEX International

Worldwide: Macroeconomic Foundations for Growth IQC, 2011-2016

Worldwide: Policy, Planning and Learning-Learning, Evaluation and Research 2015-2020,

Worldwide: Rule of Law IQC, 2013-2015, subcontractor to Democracy International

Worldwide: Rural Agricultural Income and Sustainable Environment 2004-2015

Africa: Indoor Residual Spraying I and II IQC, 2006-2012

Africa (COMESA countries + Tanzania): **Support for Food Security Activities**

Asia and Middle East: Asia and Middle East Growth Best Practices Project

Bangladesh: Feed the Future Design and Initiation Project, 2012-2014

Bangladesh: Trade Facility Activity, 2013 – 2018, subcontractor to IBI International

Bangladesh, Haiti, Rwanda, Tanzania, Uganda, U.S.: Feed the Future System 2011-2013

Egypt: Technical Assistance for Policy Reform II, 2006-2009, subcontractor to Bearingpoint

El Salvador: Access to Financial Services Program, 2011-2014

Ethiopia: Health Center Renovation and Coordination Project, 2006-2009

Ethiopia: [Agriculture Growth Program – Agribusiness and Market Development](#) 2011-2016,

Guatemala: Policy & Regulatory Support for Economic Growth Project, 2011-2015

Liberia: Roberts International Airport Equipment Procurement Program 2008-2010

Malawi: National Distribution and Management of Long Life Insecticide Treated Nets to Public Health Facilities Nationally in Malawi, 2011-2015

Nigeria: [Nigeria Expanded Trade and Transport Program](#), 2012-2016

Pakistan: Support for Privatization Activity 2014

Rwanda: Private Sector Driven Agricultural Growth 2014-2019

Tanzania: Strategies for the Prevention of Corruption Bureau, 2007

Tanzania: [Staples Value Chain](#) 2011-2016

Turkmenistan: [Agriculture Technology Program](#), 2012-2015

Zambia: [Production, Finance and Improved Technology Plus](#) Program, 2012-2016

Millennium Challenge Corporation (MCC) contracts:

Ghana: Financial Management and Procurement Assessment Services Project, 2005-2006

Honduras: Procurement Oversight/Advisory Services, 2006-2011

Kenya: MCC Kenya Threshold Program, 2007-2009

Mongolia: [Procurement Agent](#) Services, 2008-2013

Morocco: [Procurement Services Agent and Procurement Oversight Advisor](#), 2009-2014

Namibia: Procurement Agent Services, 2009-2010

Tanzania: Procurement Agent Services and Oversight Advisory Services, 2008-2014

Department of State (DoS) contracts:

Bureau of Western Hemisphere Affairs Impact Evaluation for Small Business Development Centers, 2012-2015

Middle East, Africa, and Asia: Impact Assessment for the Global Innovation through Science and Technology Initiative, 2012-2013

Sustainable Buildings Initiative, 2012-2013

Evaluation of the International Narcotics and Law Enforcement Affairs Transnational Crime and Rule of Law Programs in the Russian Federation, 2012-2013

Bureau of Economic and Business Affairs M&E of Bureau Programs, Projects, and Activities Agricultural Biotechnology Outreach Funds, 2012-2013

Office of Weapons Removal and Abatement, Bureau of Political Military Affairs Program Evaluation, Balkans, 2012-2013

Office of Environmental Quality and Transboundary Issues Mercury Program Evaluation, 2013-2014

Evaluation of the Nexus Dialogue on Water Infrastructure Solutions, 2014-2015

El Salvador and Mexico: Bureau of Western Hemisphere Affairs Impact Evaluation for Small Business Development Centers, 2012-2015

Department of Defense (DoD) & United States Trade and Development Agency (USTDA) contracts:

Vietnam: [USTDA National Single Window Customs Project](#), 2012

Global: DOD's Cooperative Threat Reduction Integration Contract II IDIQ, Subcontractor to Raytheon, 2011-2016

Botswana: USTDA Procurement Advisory Services to the Ministry of Minerals, Energy and Water Resources, 2015

British Control of American Uranium Enrichment

Another British corporation that has taken over the uranium enrichment market in America is the URENCO Group that has gone to great extremes to hide the fact that Britain, Holland and Germany

own and **run the largest uranium plant in America**. The URENCO Group is a nuclear fuel company operating several uranium enrichment plants in Germany, the Netherlands, United States, and United Kingdom. It supplies nuclear power stations in about 15 countries, and has a 29% share of the global market for enrichment services in 2011. URENCO uses centrifuge enrichment technology in New Mexico subsidized by U. S. tax payers.

In July 2012, it was reported that a **sale of the government interests of URENCO** was being sought. URENCO, headquartered in [Stoke Poges](#) in [Buckinghamshire](#) and registered in the UK, is **one third owned by the UK government**, one third by the Dutch government, the rest by two major German utilities, [E.ON](#) and [RWE](#) (one sixth each).

URENCO also owns a 50% interest in [Enrichment Technology Company](#) (ETC), a company jointly owned with [Areva](#). ETC provides enrichment-plant design services and gas-centrifuge technology for enrichment plants through its subsidiaries in the UK (Capenhurst), Germany (Gronau and Jülich), the Netherlands (Almelo), France (Tricastin) and the U.S. (Eunice, New Mexico).

URENCO USA



Somehow, the **British owned URENCO company has the uranium market** cornered in America. Located in southeastern New Mexico, the URENCO USA facility began operations on June 11, 2010. URENCO USA is the first enrichment facility to be built in the United States in 30 years and the first ever using centrifuge enrichment technology.

URENCO uses the U. S. National Enrichment Facility (NEF) as its plant for the enrichment of uranium in Eunice, New Mexico. The NEF is operated by Louisiana Energy Services (LES), which is in turn owned by the [URENCO Group](#), just to make sure it **looks like an American company**. Notice the elaborate ownership of this

facility **hides** who actually owns and benefits from this facility. **Foreign nations directly benefit** through the profits after U. S. tax payers pay two-thirds of the cost of building it.

Since the Dedication Ceremony in October 2008, the company has grown to 236 employees with an annual payroll of USD **\$23 million**. At full capacity, NEF can provide 50% of the current enriched uranium demand for civilian nuclear power plants in the U.S. The NEF began operations in June 2010. The original proposed budget was USD \$1.5 billion, but this increased to USD \$3 billion for an enlarged facility capable of 5.9 million [SWU](#) at full capacity.

URENCO Corruption

In the 1970s, Dr. [Abdul Qadeer Khan](#) who worked for a **subcontractor** of URENCO in Almelo, brought **stolen drawings of the centrifuges** operated by URENCO to **Pakistan**. In the early 1974, Dr. Khan joined the uranium enrichment program and, within a short span of time, established a highly advanced uranium enrichment facility near Islamabad.

In May 1985, the United Nations Council for Namibia decided to take legal action against URENCO for breaching UNCN Decree No. 1, which **prohibited any exploitation of Namibia's natural resources** under apartheid South Africa, because URENCO had been importing uranium ore from the Rössing mine in Namibia.

According to Greenpeace, URENCO has a standing contract with Russia for the disposal of radioactive waste. In reality, these contracts do not relate to the disposal of waste, but to the sale of depleted uranium tails, which are **re-enriched to natural uranium** equivalent. As the enricher, Russia would be the owner

of any radioactive waste that results from this process. In March 2009, there were **protests about the largest-ever load of depleted uranium hexafluoride** being transported from Germany to the Siberian town Seversk.

British Petroleum's U.S. Retail

BP might as well stand for "**British Pirates**" if you look at the record of a company that flourishes in America, the home of the largest oil companies in the world, and **pollutes and destroys environment** in a country they don't live in. BP has a **poor safety** record and it looks like they just don't care about America's ecosystem. These British Pirates, along with **Shell**, have fleeced America in every way concerning oil, from drilling to gas stations. From New York to San Francisco, British Petroleum has a network of retail stations that provide Americans with fuels, lubricants and other products essential to modern transportation. The company's nationwide retail presence includes over **7,100 BP and ARCO branded gas stations**, along with close to 1,000 convenience stores.

In 2016, BP delivered **7.3 billion gallons of BP-branded fuel** to its U.S. customers. BP's upstream operating segment includes production from Prudhoe Bay area in Alaska and four production platforms in **deep-water Gulf of Mexico**, where BP is the leading leaseholder. In 2016, BP produced 676,000 barrels of oil per day, making the company one of America's largest oil and natural gas producers.

How is it possible in America that U. S. governmental agencies allow the British invasion of our land, waters, and streets. There is no reason that U. S. oil rights should go to a foreign country for their profit. American oil should be processed and sold by American companies **not added to the portfolio of the Queen of England**.

BP Crimes

BP PLC is the company responsible for the **2010 Deepwater Horizon oil spill**. BP paid a record \$20.8 billion to the US government to **cover damages** caused by the disaster. It is considered the largest settlement with a single entity in American history. Apart from this settlement, BP has spent a reported \$28 billion on cleanup and compensation for their criminal negligence.

The Deepwater Horizon disaster is considered by many to be the **worst oil spill in US history**. The spill occurred when an **offshore oil rig exploded in the Gulf of Mexico**, dumping 4.9 million barrels of oil into the surrounding waters. The explosion killed 11 people and devastated marine wildlife in the area.

BP was found to be in **gross negligence** for not testing the only safety measure they had available for deep-water drilling accidents. BP continued to lie about their unpreparedness and criminal cover-up. The massive oil slick still exists and has yet to be properly managed or cleaned up. **America will never fully recover from this disaster**. BP (British Pirates) carelessness for gross profits cost America more than money can recover.

Shell Oil Company

Shell Oil Company is the United States-based wholly owned subsidiary of Royal Dutch Shell, a **multinational oil company of Anglo-Dutch origins**, which is amongst the largest oil companies in the world. **Shell Oil is wholly owned by British interests**. Approximately 22,000 Shell employees are based in the U.S. The U.S. headquarters are in **Houston, Texas**. Shell Oil Company, including its consolidated companies and its share in equity companies, is one of America's largest oil and natural gas producers, natural gas marketers, gasoline marketers and petrochemical manufacturers.

Shell is the market leader through approximately **25,000 Shell-branded gas stations** in the U.S. which also serve as Shell's most visible public presence. At its gas stations Shell provides diesel fuel, gasoline and LPG. **Shell Oil Company was a 50/50 partner with the Saudi Arabian government-owned oil company Saudi Aramco in Motiva Enterprises**, a refining and marketing joint venture which owns and operates three oil refineries on the Gulf Coast of the United States.

Shell products include oils, fuels, and car services as well as exploration, production, and refining of petroleum products. The Shell Oil Refinery in Martinez, California, the first Shell refinery in the United States, supplies Shell and Texaco stations in the West and Midwest.

After **Texaco merged with Chevron** in 2001, **Shell purchased Texaco's shares** in the joint ventures. In 2002, Shell began converting these Texaco stations to the Shell brand, a process that was to be completed by June 2004 and was called "the largest retail re-branding initiative in American business history."

Shell's Crimes

Shell Puget Sound Refinery, Anacortes, Washington, was **fined \$291,000 from 2006 to 2010 for violations of the Clean Air Act** making it the second most-fined violator in the Pacific Northwest. As of 2011, it was listed as "high priority violator" since 2008.

In 2008, a lawsuit was filed against Shell Oil Company for Clean Air Act violation. Shell Deer Park facility, 20 miles east of Houston, was the nation's eighth-largest oil refinery and one of the world's largest petrochemical producers. The facility was also the second largest source of air pollution in Harris County, which ranked among the lowest in the nation in several measures of air quality.

Between 1978 and 1995, Shell Oil produced **polybutylene** pipes, which corrode when exposed to **chlorine**. A class action lawsuit was filed in 1995 against Shell Oil when the polybutylene pipes caused **flooding in many households** in the U.S. and Canada. The settlement required Shell Oil to pay for the re-installation of piping for millions of houses for claims filed through May 2009.

British American Tobacco

British American Tobacco plc (BAT) is a British multinational tobacco company headquartered in London. It is the **largest publicly traded tobacco company** in the world. BAT has a primary listing on the London Stock Exchange. BAT has a market-leading position in over 50 countries and operations in around 180 countries. Its four largest-selling brands are its native brand **Dunhill** and US brands **Lucky Strike, Kent and Pall Mall**, others the company markets include **Benson & Hedges and Rothmans**.

The company was formed in 1902, when the United Kingdom's **Imperial Tobacco Company** and the United States' American Tobacco Company agreed to form a joint venture, the **British-American Tobacco Company Ltd**. In 1911, the American Tobacco Company sold its share of the company. Imperial Tobacco gradually reduced its shareholding, but it was not until 1980 that it divested its remaining interests in the company.

In July 2004 the U.S. business of British American Tobacco (Brown & Williamson) was combined with that of R. J. Reynolds Tobacco Company (R. J. Reynolds), under the R. J. Reynolds name. R. J. Reynolds and Brown & Williamson were the second and third-ranking U.S. tobacco companies prior to the combination. When they combined, R. J. Reynolds became a subsidiary of Reynolds American, with BAT holding a 42% share.

In 2017, BAT bought the remaining 57.8 percent of U.S. cigarette maker Reynolds American in a \$49.4 billion takeover that would create the world's biggest listed tobacco company with brands including Newport, Lucky Strike and Pall Mall.

Over **six million people worldwide die to tobacco death each year**. The British don't seem to mind that this industry kills more people per year **than all the wars combined**. There have been no class action suit against BAT in the UK.

ICAP – the World's Largest Interdealer Broker

ICAP was the world's largest **interdealer broker** for over-the-counter (OTC) trading. In 2016, ICAP sold its global broker business to the British brokerage firm **Tullett Prebon**, which retained the "ICAP" brand, and ICAP rebranded the remaining, non-brokerage part of the business as **NEX Group**.

ICAP had daily transaction volume of more than **\$2.3 trillion at 50 locations in 32 countries**, and offered both **voice-driven and electronic brokerage systems plus post-trade services**. It provided wholesale brokerage on a range of interest rates, credit derivatives, commodities, foreign exchange, emerging markets, equities and equity derivatives. More than 40 percent of its trading occurred on its two electronic trading platforms, **BrokerTec** and **EBS**, which merged to become **EBS BrokerTec**.

ICAP offers a range of OTC (over-the-counter) financial products and services in energy, foreign exchange, interest rates, credit and equity markets and indices. For each of these asset classes, ICAP's

electronic capability gives customers the choice to enter prices and execute trades electronically, directly via one of ICAP's electronic trading systems, or to engage with brokers to identify and help negotiate trades. According to its 2013 Annual Report. Its electronic broking volume for 2013 reached \$728.3 billion.

ICAP Becomes TP ICAP

TP ICAP plc is a global firm of professional intermediaries that operates in the world's financial, energy and commodities markets. It is listed on the [London Stock Exchange](#) and is a constituent of the [FTSE 250 Index](#). In November 2015, the company agreed to terms with [ICAP](#) (now known as [NEX Group](#)) to acquire their global hybrid voice broking and information business. Using the name of the acquired business the company changed its name from Tullett Prebon plc to TP ICAP plc on 30 December 2016.

ICAP Crimes

On September 25, 2013, ICAP was **fined a total of \$87 million**, including a \$65 million settlement with the Commodity Futures Trading Commission (CFTC) and a \$22 million settlement with Britain's Financial Conduct Authority as part of an investigation into the **manipulation of the LIBOR benchmark interest rate**. The ICAP fine was in addition to settlements paid by British lenders Barclays and the Royal Bank of Scotland, as well as [UBS](#), of Switzerland, of a combined \$2.5 billion related to the LIBOR scandal. ICAP was the first interdealer broker fined for rigging the Libor.

In June 2014 ICAP received an antitrust complaint from the **EU's antitrust arm** alleging it facilitated a cartel to manipulate yen Libor. The complaint alleged that "ICAP acted as a facilitator to breaches of EU competition law by certain banks in relation to yen Libor for isolated periods between 2007 and 2010."

The UK and Silicon Valley

The **UK is the leading European destination for Silicon Valley investors**, with British tech companies raising more venture capital from Bay area VCs than any other European country. According to the investment data released by London & Partners, over the last five years **UK tech companies have received more venture capital investment from West Coast investors** than France, Germany and Ireland combined.

Silicon Valley investors continue to **pump large sums of money into UK tech companies** despite Brexit, with 2017 already seeing a record \$1.13 billion raised since the beginning of the year. The findings have been released to mark the start of Silicon Valley Comes to the UK, a week-long series of events bringing together leading figures from the Bay area and UK tech scenes.

Further analysis of the **investment data reveals that London tech companies** received the majority of venture capital investment from the Bay area, accounting for over 90% (\$1.04bn) of the total amount raised by UK tech companies this year. Over the last five years, London tech firms have also raised considerably more capital (\$2.5bn) than their European counterparts.

London's thriving VC market has been boosted by the number of **unicorn companies** based in the capital, with separate research from investment firm GP Bullhound revealing that **London** is home to more unicorns than any other European city. Fresh analysis of its **2017 Titans of Tech report** found that London accounts for almost one third of all unicorns in Europe. With 17 out of the 53 unicorns founded in London.

Rio Tinto and Resource Fleecing

Rio Tinto Energy America (RTEA) was a wholly owned American subsidiary of the **England and Australia-based mining giant**, the [Rio Tinto Group](#), headquartered in Gillette, Wyoming, United States. The company, previously known as **Kennecott Energy** after another of Rio Tinto's American subsidiaries, was formed in 1993 when Rio Tinto purchased [NERCO](#) and placed that company's [Spring Creek coal mine](#) and [Antelope coal mine](#) under the RTEA umbrella. Subsequent acquisitions included the [Cordero Mining Company](#), the [Colowyo Coal Company](#), and the [Jacobs Ranch](#) coal mine. RTEA operated four mines in Wyoming and Montana, supplying fuel for the generation of approximately 6% of the United States' electricity consumption. The RTEA mines were spun off to [Cloud Peak Energy](#) in 2010.

Boron

The heart of Rio Tinto Borates' business is the open-pit mine in Boron, California, one of two world-class borate deposits on the planet. Company founders began mining borates in 1872. What began as an underground mine was transformed into an open pit mine in 1957.

[Resolution](#)

The Resolution Copper project is a proposed copper mine that can supply the world with the copper it needs to support ongoing technological and environmental innovation. The project will generate sustainable benefits for Arizona, creating several thousand direct and indirect jobs and is expected to have an economic value of several billion dollars over the estimated life of the mine.

[Rio Tinto Kennecott](#)

Rio Tinto Kennecott is a fully integrated mining operation located just **outside Salt Lake City, Utah, US**. Kennecott is a wholly owned subsidiary of Rio Tinto. For more than 110 years, Kennecott has been mining and processing minerals from the rich orebody of the Bingham Canyon Mine. In 1989, Rio Tinto acquired the Bingham Canyon Mine and other facilities in the Salt Lake Valley.

Rio Tinto Crimes

The top U.S. securities regulator rejected arguments by Rio Tinto Plc and two former top executives that its **civil lawsuit claiming they concealed the plunging value of coal assets owned by the big Anglo-Australian mining company should be dismissed**. In letters filed with the U.S. District Court in Manhattan, the Securities and Exchange Commission said its complaint adequately alleged that **fraud** occurred, and that Rio Tinto, former Chief Executive **Thomas Albanese** and former Chief Financial Officer Guy Elliott intended to **deceive** investors.

The SEC accused Rio Tinto of ignoring the need to write down most of the value of Mozambique coal assets it had bought for \$3.7 billion in April 2011, while it was raising roughly \$5.5 billion from U.S. investors. Rio Tinto wrote off most of the value in January 2013, and sold the assets in late 2014 for just \$50 million. It said that had Rio Tinto properly written down the assets, its net earnings for the first half of 2012 would have been reduced by more than 50 percent.

Canadian CGI Group Inc.

The total price tag for **ObamaCare's main enrollment portal cost American's more than \$2 billion**, according to an analysis by [Bloomberg Government](#). The new total includes efforts to construct and then fix HealthCare.gov after serious technical problems threatened to shutter the site last fall.

Who was the pathetic corporation that gouged Americans? A Canadian company called CGI – Consultants to Government and Industries. Don't forget, the British Crown owns large stakes in most Canadian national businesses due to being part of the British Commonwealth. The Queen always has her **first choice of stocks** in any Commonwealth Country – especially Canada.

Americans were not happy with the **exorbitant costs charged by CGI**, nor the fact that a Canadian company ripped-off U. S. tax-payers and created an ineffective portal that a high school student could have done a better job creating. Congressman Issa had this to say about the debacle:

"Two billion dollars is an awful lot to pay for a website with lingering security issues that transfers the costs of healthcare from customers to taxpayers," said House Oversight Committee Chairman Darrell Issa (R-Calif.) in a statement.

"If this were private enterprise, the CEO would have been fired and company shareholders would be suing," he added. *"But in this Administration, there's no high-level accountability and the focus remains fixated on signing up as many Americans as possible regardless of the cost, the security risks, or the impact on the quality of healthcare for all Americans."*

CGI Group Inc. (Consultants to Government and Industries), more commonly known as CGI, is a Canadian [global information technology consulting, systems integration, outsourcing, and solutions company](#) headquartered in Montreal, Quebec, Canada. CGI purchased [American Management Systems](#) (AMS) for \$858 million in 2004, which grew CGI's presence in the United States.

CGI Federal's 2010 acquisition of [Stanley, Inc.](#) for \$1.07 billion almost doubled CGI's presence in the United States, and **expanded CGI into defense and intelligence contracts**. In 2012, CGI acquired [Logica](#) for \$2.7 billion Canadian, making CGI the fifth-largest independent business processes and IT services provider in the world, and the biggest tech firm in Canada.

In 2016 CGI ranked No. 955 on the Forbes Global 2000. At the time CGI had assets worth CAD \$20.9 billion, annual sales of \$10.7 billion, and a market value of \$9.6 billion. As of 2017, CGI is based in forty countries with around 400 offices, and employs approximately 70,000 people. As much as 29% of CGI's business comes from the United States.

Serco – British Control Our Sensitive Data

Queen Elizabeth II, owns and controls **U. S. data management, corporate banking, resources of gas, uranium, gold, and many strategic resources** and systems in the United States. **This system of control is called SERCO, and it is essentially a Crown Agent.**

Serco is not only an **enemy** of the United States, but an enemy of countries and people around the world. For example, did you know that the **U. S. Patent Office is controlled by Serco**? That's right, a BRITISH based company controls the creative efforts of American entrepreneurs and creators. Serco was the company **awarded the Obamacare data management system** that cost America's over \$2 billion.

That's right. SES employees in charge of selecting contracts for this lucrative data management system couldn't find any U.S. based companies to do the work. Instead they cherry-picked their buddies at British owned and controlled Serco to deliver Obamacare management.

Here are a few highlights of what Serco does already in our government. To our friends in other parts of the world, don't be surprised when you see **similar structures in your own country** run by the British Monarch through Serco:

Serco manages **all patents** for the U. S. Patent and Trademark Office. Brits have the first shot at **stealing** American's intellectual property rights. This is shocking but true.

Serco controls the **most sensitive data management systems** in all branches of the **military, federal government, and state and local municipalities**.

Serco controls **air traffic management**, airlines security, airport management and all aspects of ticketing, visa data management, and timetable management.

Serco is called, "the largest company no one has ever heard of."

Serco's efficiency rating in England, Canada, and Australia is below 65% and many **lawsuits** have been filed against the company for egregious fraud and mismanagement.

Serco was paid \$1.2 billion to management the **data of Obamacare** — British company handling American's **private** medical information.

Serco goes by many names, so always look under the hood in their corporate documents to find its **trail back to Queen Lizzie**. In America, it operates as Serco Inc. and claims on its website that it "is a leading provider of professional, technology, and management services for the federal government." Headquartered in Reston, Virginia, Serco Inc. has approximately 10,000 employees, annual revenue of \$2.5 billion, and is ranked in the **top 35 of the largest federal prime contractors**.

Piercing the corporate veil, we find that Serco Inc. is a wholly-owned subsidiary of Serco Group plc, a **\$7 billion** international business that works with government and public services around the world.

Many researchers say that **Serco runs the United Kingdom (UK), the United States, Canada, and Australia**. Serco has over 60,000 people in 35 countries across the world. To our international readers, it is highly doubtful that they are not operating in your country.

Serco is a leading provider of **public services** of all types. Serco operates internationally across five sectors and four geographies: **defense, justice, immigration, transportation, health and human services**. Its services are delivered in UK, Europe, North America, Asia Pacific, and the Middle East.

Serco delivers records management and processing support services for many U. S. government agencies. Major programs include processing and classifying of patent applications for the U.S. Patent and Trademark Office; records management and process of applications and petitions at U.S. Citizenship and Immigration Services' Service Centers; processing visa applications at the U.S. Department of State's National Visa Center and Kentucky Consular Center; and, records management services at the U.S. Citizenship and Immigration Services' National Benefits Center, among many others.

Ninety percent of Serco's business is with the federal government with 10,000 workers across 45 states. Serco's experience is in paper pushing, records management, processing applications, processing visas, handling patents with the U.S. Patent and Trademark Office. There are more than 60 million records that Serco handles for the Department of Homeland Security.

Serco Inc. is indeed part of Serco Group, an international contracting firm headquartered near London and partly owned by the UK government itself. Serco Inc. is the North America division of Serco Group, plc. In North America, Serco Inc. serves federal, state and local governments, along with the Canadian government and commercial customers, and over 14,000 in North Americas.

Digest that for a moment: U.S. federal records, personal medical records, patents, and visas are held by a company owned and directed by the British Monarch. Its "soldiers on the ground" are employees of SES. These SES employees guarantee that Serco gets the contracts and then manages and oversees their continued involvement.

The UK is suing Serco for the alleged **theft of \$80 billion dollars**. UK officials have been investigating Serco and found that the company is only effective 65% of the time. Serco has been found out to be corrupt from top to bottom. Many mistakes of data management have also happened in the United States that have caused terrible disasters and multiple deaths. Serco manages services for the **military and government** that are incredibly sensitive and should be trusted to no one else but the United States of America.



Refer Attachments for SERCO video

TENTACLES OF SERCO STRANGLE AMERICA

Finally Winning the American Revolution

We are **not a sovereign nation** with our arrangement with the British government and UK based corporations. It seems that we are still subjects of the British Monarchy in many ways.

The American corporate mechanism for the **continued enrichment of the British Crown** is the same one used for the corporate sell-out of the American Republic – corporate lobbyists controlling Congress, corporate pay-to-play through the executive branch (such as Hillary's Department of State), and the Senior Executive Service (SES) to maintain the bureaucratic status quo, selling out to global corporatism at every turn with no bid contracts and cronyism.

The Senior Executive Service and Serco are the people and organizational systems that the British Monarchy uses to control America through economic cronyism that bolsters the continued economic slavery of Americans to foreign powers.

The Senior Executive Service aligns with the **imperialistic** intents of Serco and the numerous other corporations that we have described in this intelligence report (BP, Shell, ICAP, British American Tobacco, Rio Tinto, etc).

It is time to **send the Red Coats running home to Queen Lizzie** and finally end the American Revolution against British tyranny. It is time to notice that the UK is not our friend and we should **not be sharing intelligence in the Five Eyes Community** (UK, Canada, Australia, New Zealand, USA).

We need to **bring our wealth back home** to America and stop using tax payer dollars to **fund Crown Agents** in whatever form they take. American freedom and independence does not need the dead weight of archaic monarchies that believe they should always get their "golden share" before the commoners get their crumbs.

We must throw off the shackles that have tied the British Crown to American economic affairs. We do not need to pay taxes to the Crown any longer. We simply must choose American companies to do American work and stop the Senior Executive Service from giving higher priority to Crown Agents and British corporate interests.

[Spygate was Directed by the Queen, not Russia](#)

[International Espionage, Spygate, and All the Queen's Men](#)

[Her Majesty Queen Elizabeth and the Privy Council Interfered with the US 2016 Presidential Election](#)

[1] [Crown Agents USA Inc. Washington DC. \(Accessed Apr. 17, 2018\)](#). Federal Vendor Contracting Profile via GovTribe. USAID.

[2] [Crown Agents USA Inc. Wasington DC. \(Sep. 30, 2012\)](#). Contract No. AIDOAAI1200038, \$23.7m, thru Sep. 29, 2020 (7 years), PUBLIC FINANCIAL MANAGMENT: PUBLIC FINANCIAL MANAGEMENT (PFM) INDEFINITE DELIVERY INDEFINITE QUANTITY (IDIQ) CONTRACT – TO CROWN AGENTS via GovTribe. USAID.

[3] [Crown Agents USA Inc. Washington DC. \(Dec. 24, 2014\)](#). Contract No. AIDOAAI1200038-AID391TO1500001, \$6m, thru Feb. 22, 2018 (3 years), SUPPORT FOR PRIVATIZATION ACTIVITY: IN SEPTEMBER 2013, THE GOVERNMENT OF PAKISTAN (GOP) AND THE INTERNATIONAL MONETARY FUND (IMF) REACHED AGREEMENT ON A THREE-YEAR, \$ 6.68 BILLION EXTENDED FUND FACILITY (EFF). Vendor Contacts: Anne C. Sattgast, Joe G Lentini. Via GovTribe. USAID.

[4] [Crown Agents USA Inc. Washington DC. \(May 19, 2014\)](#). Contract No. AIDOAAI1200038-AIDOAAI1400007, \$19m, thru Sep. 29, 2018 (4 years), PUBLIC FINANCIAL MANAGMENT: THIS ACTION PROVIDES GCC OFFICE FUNDING FOR A NEW EP-MANAGED TASK ORDER NAMED CEADIR – CLIMATE ECONOMIC ANALYSIS FOR DEVELOPMENT, INVESTMENT AND RESILIENCE UNDER THE PUBLIC FINANCIAL MANAGEMENT (PFM) IDIQ. Vendor Contacts: Anne C. Sattgast, Joe G Lentini. Via GovTribe. USAID.

4.2 TO 9/11 AND BEYOND: THE ROTHSCHILD-ISRAELI OBSESSION WITH NUCLEAR WEAPONS⁵

Before reading this post, please see my [9/11 disclaimer](#).

Ever since writing a cover story on the Kennedy assassination for the November 21, 1988 *New American*, I have avoided addressing that topic. Kennedy assassination theories form a labyrinth littered with rabbit holes and red herrings.

However, the Internet has turned a computer into a *Millennium Falcon* that can access information at **lightspeed**.



It is increasingly clear that the Rothschilds have long been the world's foremost "Power that Be," and that Israel, the Rothschilds' proxy state, has been the world's leading generator of terrorism, despite mainstream media's interminable parroting of Israel's self-portrayal as "victim."

If anyone would have had the power to assassinate the President of the United States, it was the Rothschild Zionist Establishment. Michael Collins Piper's book [Final Judgment](#), linking Israel to the Kennedy assassination, got a strong boost in 2004 when Israeli nuclear whistleblower Mordechai Vanunu stated that Kennedy was assassinated over his [opposition](#) to Israel's nuclear weapons program.

Long before the Internet, one of the best resources in alternative media was Hilaire du Berrier's intelligence newsletter, which he published out of Paris and Monaco from 1958 until his death in 2001. In his September 1963 newsletter du Berrier wrote:

Israel tested her **first A-bomb in September, 1962**, a product of the **Beersheba plant** in the Negev Desert. But the halting of this Beersheba plant was part of the package America agreed to deliver on the Test Ban Treaty's signing. In late July American planes flew over the Israel reactor site at Dimona, as a reminder. The new government under Levi Eshkol did not push its protest. For actually, though Cairo, London, Paris and Brussels knew the details behind Ben-Gurion's recent resignation, the American and Israeli publics are still in the dark. HERE IS WHAT HAPPENED: On the eve of the **Harriman, Gromyko,**

⁵ <https://jamesperloff.com/tag/rothschild/>

Hailsham talks in Moscow, President Kennedy wrote a letter to Premier Ben-Gurion telling him to halt his atomic research and dismantle his plants. If he refused, a revision of America's relations with Israel would be necessary. Literally, it was an ultimatum. Ben-Gurion looked over America's financial aid and special laws favoring gifts and bequests to Israel and called it blackmail.¹

It is noteworthy that this description of Ben-Gurion's fury with Kennedy was not written in hindsight, but two months before the assassination.

The Zionist New World Order has long been obsessed with nuclear weapons. I learned much about this from reading David Dionisi's book *Atomic Bomb Secrets*, which I have previously reviewed on this website. Dionisi's focus is the 1945 atomic bombing of Nagasaki, a criminally unnecessary act, since Japan had already asked to surrender on the very terms the United States subsequently accepted. Nagasaki was targeted because it was **Japan's Christian** center, home to some 50,000 Christians. The "Fat Man" bomb that decimated Nagasaki was dropped *directly* over Urakami Cathedral, the largest Christian Cathedral in the Far East.

In ancient Canaan, child sacrifices were made to the satanic god Moloch:



Dionisi notes that satanists believe: when they conduct a human sacrifice, **they draw power from the victim's death**. The bomb that killed over 70,000 at Nagasaki would be deemed **empowering** on a **colossal scale**. The same could be said of the fire-bombing of Dresden, which claimed hundreds of thousands of lives (the exact number has never been possible to determine); an atomic bomb would probably have been preferred, but was not yet ready.

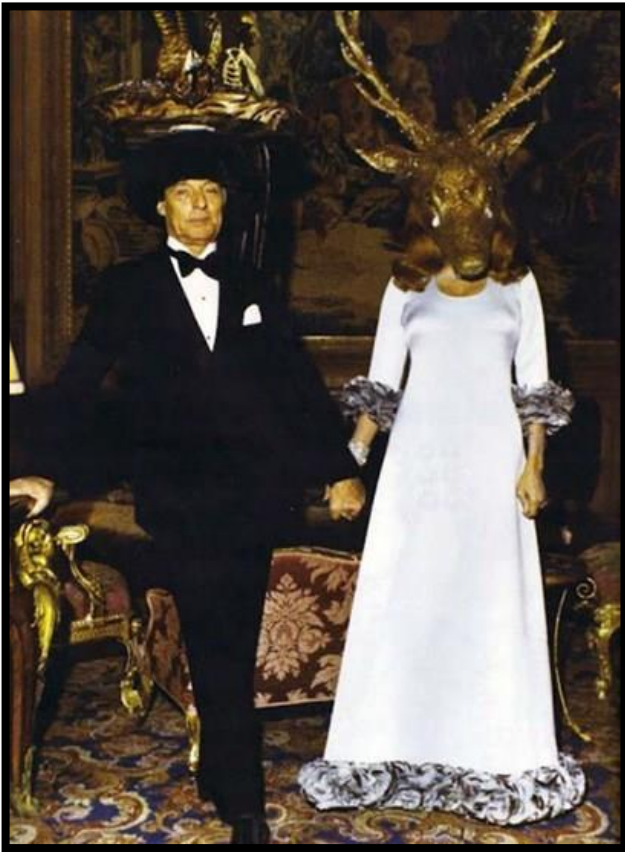


The dead of Dresden

While alternative media correctly regards **9/11 as a false flag** intended to generate the domestic police state and never-ending Middle East wars, Dionisi notes the event had an *additional* dimension usually overlooked: the **Twin Towers' destruction constituted a ritual sacrifice, a burnt offering on a mass scale.**

The New World Order's upper levels are **Luciferian**, as has been described by intelligence analysts such as William Guy Carr (Canadian Intelligence Service), Ted Gunderson (FBI), and John Coleman (MI6). It is very evident in the Bohemian Grove "cremation of Care" ceremony taped by Alex Jones, in which the global elite engage in a mock human sacrifice (some say it is not mock) before a 40-foot statue of Moloch:



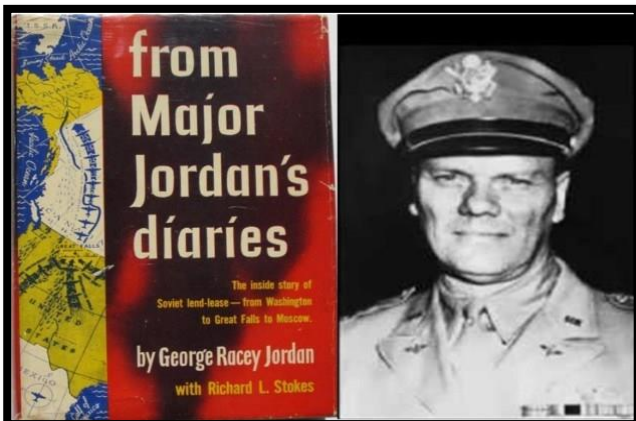


Luciferianism is on parade in the photos that have surfaced of a 1972 **Rothschild**-hosted ball:

Before the 2016 Presidential election, Wikileaks revealed the **satanic ties** of Hillary Clinton's campaign manager, John Podesta, to Marina Abramović, **spirit cooking**, and **pedophilia**.

Aside from its military public pretexts, the atomic bomb created the potential for human-sacrifice burnt offerings on an unprecedented scale. During World War II, the **Zionist Establishment** took great pains to transfer the **new technology** to the Soviet Union, which was the Rothschilds' first proxy state; the nation of Israel did not yet exist.

In 1952, George Racey Jordan, a Lend-Lease expediter during the war, revealed the Roosevelt-Truman administration had shipped the Soviet Union both the **blueprints** and materials for making the atomic bomb. This **high-level treason**, done on express orders from **Harry Hopkins** (White House front man for Zionist banker **Bernard Baruch**), was detailed in Jordan's book *From Major Jordan's Diaries*.



In his ignored 1994 book *The Fifth Man*, **Roland Perry** identified **Victor Rothschild**, one of Britain's most powerful bankers, as the long-sought "Fifth Man" of the notorious **Burgess-MacLean-Philby-Blunt spy ring**. Former KGB officials confirmed Perry's identification of Rothschild. As an **inspector for MI5** (Britain's equivalent of the FBI), Victor Rothschild had complete authority over state security during World War II. He passed Britain's own atomic bomb secrets to the Soviet Union.

In 1948 the Israeli state was proclaimed, and by 1949 it had *already* initiated plans for developing **atomic bombs**.² Ben-Gurion, Israel's first prime minister, said: "What Einstein, Oppenheimer, and Teller, the three of them are Jews, made for the United States, could also be done by scientists in Israel, for their own people."³ Today many analysts estimate that Israel has hundreds of nuclear weapons, but no one knows the true number, because Israel keeps its nuclear program an ironclad secret. **The U.S. government doesn't complain**, which is ironic, since it demands that other Middle East nations maintain complete transparency about weapons, even starting the Iraq war in 2003 on the **discredited pretext** that Saddam Hussein was concealing WMDs.

Victor Rothschild was Jacob Rothschild's father. Jacob and his cousin, Evelyn de Rothschild, are regarded by some as the **two most influential men** in the world today.



Popular Internet meme of Prince Charles with Evelyn de Rothschild

Evelyn de Rothschild is so powerful that he and his wife, Lynn Forester de Rothschild, honeymooned at the White House when **Bill Clinton** was President.⁴ Rumors have persisted in alternative media (as in [this clip](#)) that the pair had a “front-row” penthouse view of the **World Trade Center’s destruction on 9/11**.

Which brings us to this post’s heart, a matter that has begun gaining wider acceptance in alternative media: that 9/11 was a **nuclear** event.

Nuclear 9/11

If anyone doesn’t understand that Israel, along with cooperative American Zionists, were 9/11’s architects, I recommend reading [this article](#).

Two days after 9/11, NBC’s Tom Brokaw interviewed Benjamin Netanyahu, who remarked:

In 1995 I wrote a book called *Fighting Terrorism*, and I said that if we don’t arrest the tide of militant Islamic terrorism, then the next thing that will be is not a car bomb in the **World Trade Center, but a nuclear bomb**.

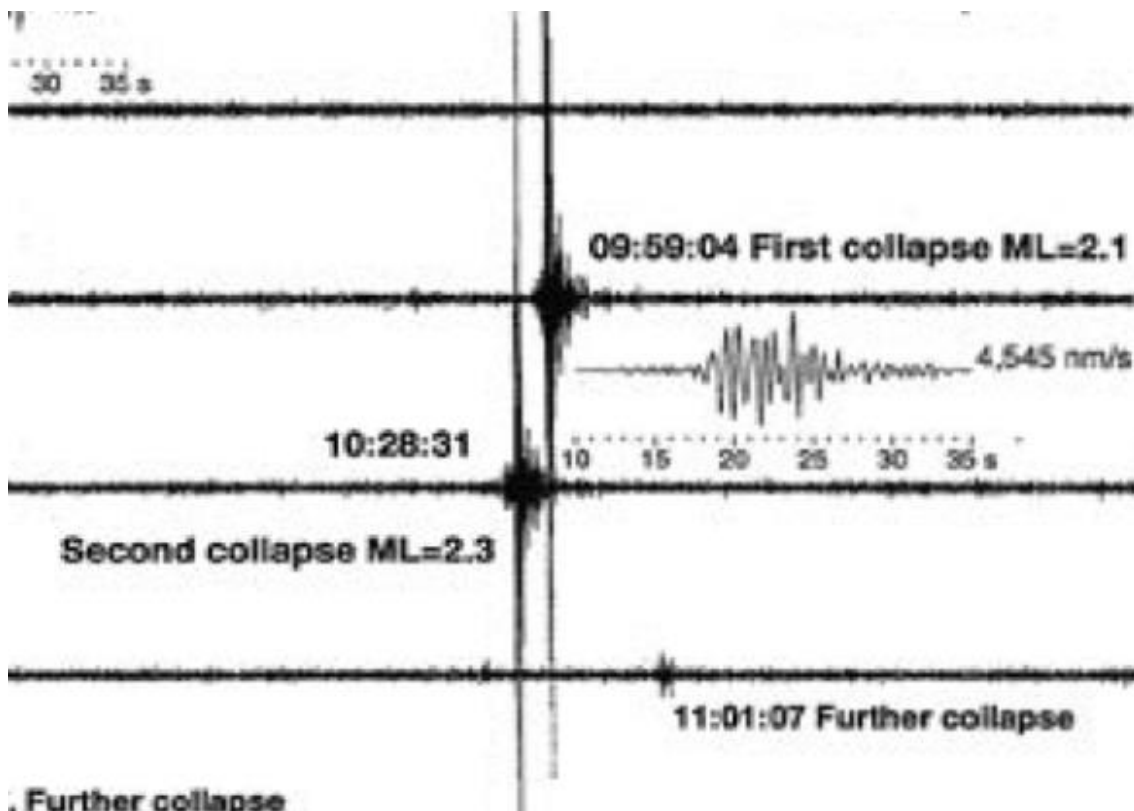
Netanyahu, perhaps realizing he’d disclosed too much, elaborated:

Now it wasn’t a nuclear bomb, it was a 350-ton conventional bomb.

Here is the clip. The remarks begin at the 1:21 mark: (see original article)

Even though Netanyahu revised “nuclear” to “conventional,” one must ask how he knew the bomb’s specific yield. In fact, *how did he know it was a bomb at all?* Supposedly plane crashes had brought the Towers down.

The solution to the Towers' destruction was pioneered in a 2006 book entitled Ground Zero: The Nuclear Demolition of the World Trade Centre by William Tahil. He demonstrated, for example, that WTC dust samples contained **inexplicably high concentrations** of elements produced by nuclear fission, such as **strontium and barium**. He also documented that seismology recordings displayed two enormous off-the-chart *spikes* consistent with explosion, not mere collapse.



(See Tahil, p. 77, for full graphic.)

Tahil's conclusions are being corroborated, not only by the **high cancer rates among 9/11 survivors**, but through the fact that, by 2008, thyroid cancer was occurring **at above-average frequency in first responders more than any other type of cancer** (if clicking the link, see the SIR—Standardized Incidence Ratio—in Table 2). And by 2013, the number of first responders with thyroid cancer had nearly quadrupled from 26 to 97. Why is this significant? Because nuclear bombs **emit iodine-131**, which collects in the thyroid, often causing cancer. This is why some people keep **potassium iodide tablets** on hand—to protect their thyroid glands in case of a nuclear attack.

Many phenomena were consistent with nuclear explosion on 9/11. Tremendous explosive force was needed to hurl chunks of the World Trade Center, weighing multiple tons, hundreds of feet, such as this piece which impaled itself in the American Express building across the street:



Multi-ton sections flew some 600 feet, demolishing the Winter Garden Atrium:





The collapsed Winter Garden Atrium

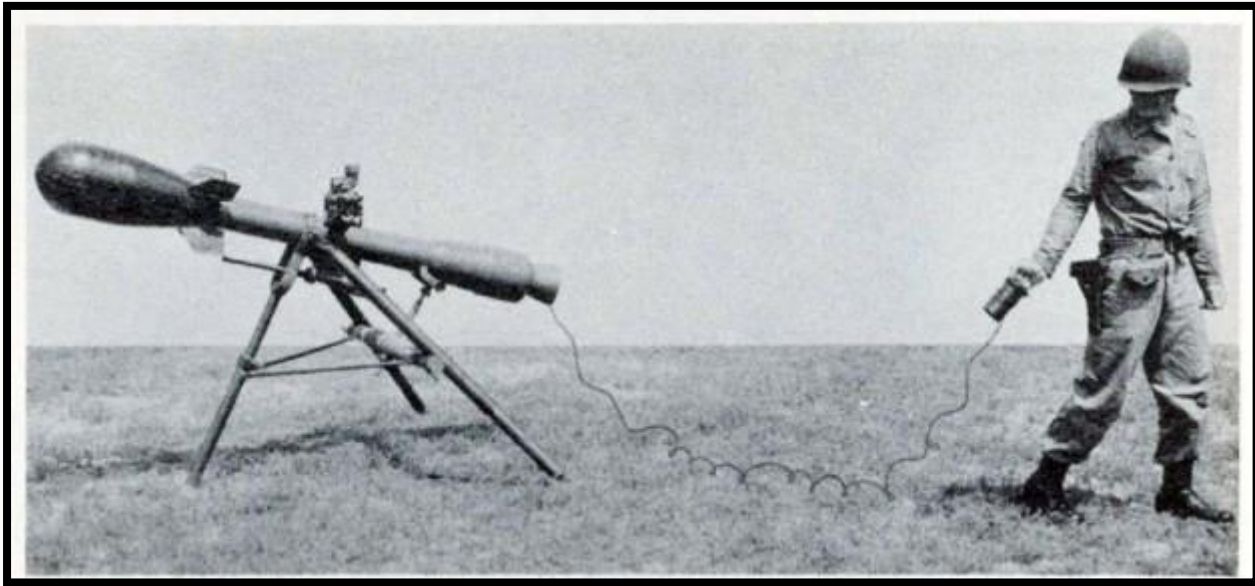
Then there was the *virtually complete vaporization* of the Towers' inner contents: no furniture, filing cabinets (except one), computers, or toilets survived. All turned into dust. Even the buildings' concrete became dust, instead of falling as chunks of debris. The vaporization, of course, included the humans inside (whole bodies that *were* found belonged to people who jumped before the Towers exploded):

Not only is a nuclear bomb the most powerful explosive known, its blast—unlike conventional explosives—endures for several seconds, enabling it to inflict considerably more damage.

A common objection to the nuclear hypothesis is: "Where are the post-9/11 Geiger counter readings showing lots of radiation in New York City?" The answer: not all nuclear bombs discharge large amounts of radiation. Most use a combination of nuclear fission and fusion; if the fission is high, fallout (radiation) will be high; but if fission is low compared to fusion, fallout will be low.

The Free Dictionary defines a "clean bomb" as "an atom bomb leaving little or no radioactive contamination." During the Cold War, the United States began developing tactical nuclear weapons, also known as "battlefield nukes." Obviously, in a battlefield situation, a low-radiation weapon is desired; otherwise it could harm one's own army.

The Davy Crockett recoilless gun fired an M388 atomic round:



The nuclear warheads the Davy Crockett fired had a yield of only 10 to 20 tons,⁵ far less than the 350 tons mentioned by Netanyahu. A modern suitcase nuke is small enough to carry in a backpack.

What types of nuclear warheads would Israel stockpile? Although this is a state secret, it should be obvious that Israel would emphasize "battlefield" nukes. In war with its neighbors, it wouldn't want radiation blowback to Tel Aviv.

It is interesting that the site of the Towers' destruction was called "Ground Zero," which my 1994 *Webster's New World Dictionary* defines as "the land or water surface area directly below or above the point of detonation of a nuclear bomb."

The Towers' "collapses" were clearly explosions. Here is a shot of the South Tower showing a huge single upward burst of energy:



The North Tower explodes:



Tactical nuke exploding:



Here the same bomb creates an expanding ground-level cloud, similar to what New Yorkers fled from on 9/11:



For a full view of the explosion, watch from 2:36 to 3:02 of the following clip posted by [ZiG ZAG](#) (the entire video is of explosions of tactical nukes of various types and strength):

For comparison, here is a clip of the 9/11 dust cloud. Is this simply from "a building falling down"?

On 9/11, much of a nuclear blast, hitting mass above the “airplane strike” damage, would have begun dispersing through the Tower’s gashes. This is probably why it made no classic mushroom cloud that is a signature of atomic bombs. Nonetheless, as Tahil noted, the remaining plume was quite like that left by nuclear detonation:

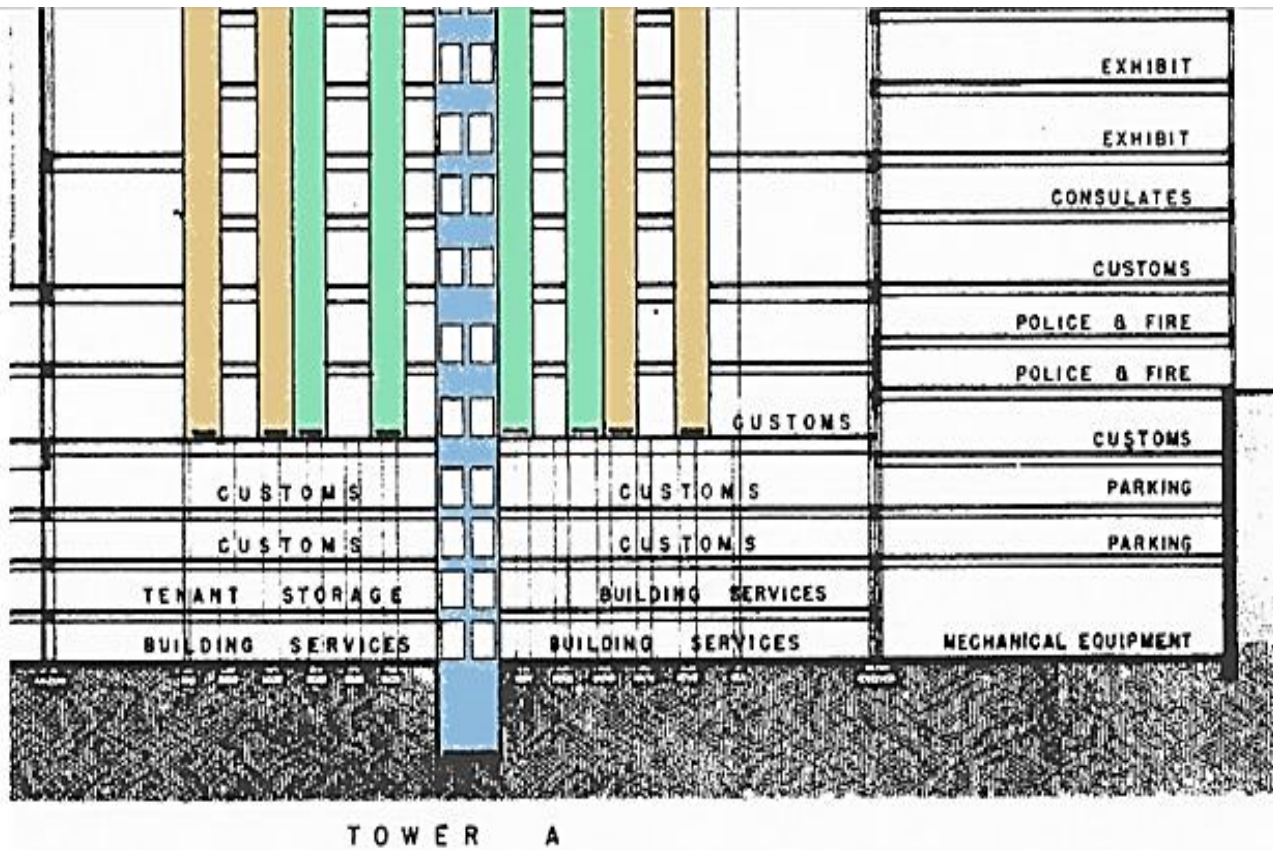


If someone was going to place a nuclear bomb in the World Trade Center, where would they put it? In his 1995 book *Fighting Terrorism*, Netanyahu dropped a hint that he didn’t mention to Brokaw:

In the worst of such scenarios, the consequences could be not a car bomb but a *nuclear* bomb in the basement of the **World Trade Center**.⁶ [Italics in original text]

OK, the basement. But *where* in the basement?

If, as Netanyahu implied, there was **one bomb per Tower**, a logical place for suitcase nukes would have been the buildings’ deepest points: the service pits beneath Elevator 50, the only elevator that (1) ran the entire length of either Tower, and (2) went to the Towers’ lowest level, Sublevel B6. It was also close to each building’s center. Elevator 50 is colored blue in the schematic below;



(resource for last image: [http://911encyclopedia.com/wiki/index.php/World Trade Center Elevators](http://911encyclopedia.com/wiki/index.php/World_Trade_Center_Elevators))

This position would have created a **virtual "launching pad" for a nuke**; surrounding bedrock would have largely contained the blast's sideways/downward force. The main force would have followed the path of least resistance—upwards through the hole in the bedrock, its expanding energy surging fastest through the elevator shaft until hitting mass above the "airplane strike" zone.

This scenario might also resolve the mysterious damage to other World Trade Center buildings.

The Rest of the WTC: Nuclear Residual through Underground Pipes?

Building 5 was set ablaze (video clip [here](#)):



Here is Building 6 from overhead, with a huge crater that went to the lowest basement level:



Then there is the notorious Building 7, whose raging fires are seen in this clip:

When did these fires start? It could not have been before the Towers' destruction. Otherwise, video of the burning Towers would have shown additional smoke plumes, cameras would have panned to the blazes, and news announcers would have said, "We seem to have yet another building on fire." Some have suggested these fires resulted from **bombs set off simultaneously** as the Towers exploded. Yet given the

terrorists' success in bringing down the Towers, why would they fail to collapse the smaller WTC buildings (except for Building 7 at 5:20 PM, in an obvious controlled demolition)?

Nuclear blasts originating at the Twin Towers' lowest levels may provide the answer. *Underneath* the World Trade Center, the buildings were interconnected by pipes, not only for sewage, **but a storm water drainage system**. Reading the *World Trade Center Property Risk Report* prepared for **owner** Larry Silverstein:

Storm Water

Roof drains and leaders convey the storm water by gravity to the various building drains, located on level B-1, which connect to the 36-inch storm water drain that discharges into the Hudson River. The subsurface water and the machinery drips are drained into the various sump pits located in level B-6. The sump pumps discharge the clear water into two 36-inch storm water drains on level B-1.⁷

Any building's place at greatest risk for flooding is its lowest point. For the Twin Towers, this would have been Elevator 50's service pits, which, as we've seen, were carved into the bedrock beneath the lowest basement level, B-6. From here flood water would be pumped through pipes to the 36-inch storm drain. Thus atomic blasts here would not only follow the path of least resistance up through Elevator 50's shaft, *but up into the 36-inch storm water drain system*. Starting at the following video's 13-second mark, one can see **overpressure bursting up in two geysers** at the northern garage ramp, first as steam, then as smoke, before becoming engulfed in dust from the Tower:

For the record, here is a still with the two geysers highlighted:



The WTC's storm water apparently drained through two systems, one linked to each Tower. Quoting Eric Darton's 1999 book *Divided We Stand: A Biography of New York's World Trade Center*:

Port Authority engineers ended up designing a dual sewerage system for the trade center Storm sewage from the west side of the complex—the Vista Hotel, Tower One, and the Customs building [WTC 6]—drains into the Hudson, as does the trade center’s air conditioning runoff. A pipeline was eventually built that channels the remainder of the waste water to the Newton Creek plant, on the border of Brooklyn and Queens.⁸

Thus the secondary force of a nuclear blast from the first (South) Tower could have propagated through the **underground pipes and shot up** through buildings 5 and 7, igniting them, and from the North Tower to Building 6. Building 7’s fires were less devastating—it was more distant and taller. As Trade Center garages were also connected to the drainage system, they would have been burned too, accounting for the “toasted cars.”

Falling debris could not have caused the raging internal fires seen in the smaller buildings. Earlier in this post we saw edifices *outside* the World Trade Center (American Express Building, Winter Garden Atrium) that were heavily impacted by debris, but *they did not catch fire*. THEY **WERE NOT CONNECTED TO THE WTC’S UNDERGROUND DRAINAGE SYSTEM**.

Lucky Larry

As is well known in the 9/11 Truth community, less than two months before the attacks, the World Trade Center came under new management for the first time in its history. **Larry Silverstein** and his partners **purchased a 99-year lease for \$124 million**. After the tragedy he received an insurance payout of nearly **\$5 billion**. Lucky Larry also managed to avoid being at the World Trade Center on 9/11 due to a fortuitous doctor’s appointment.

Silverstein is also great friends with **Benjamin Netanyahu** who, as we have seen, had predicted a nuclear bomb would be placed in the World Trade Center. The Israeli newspaper *Haaretz* reported in November 2001:

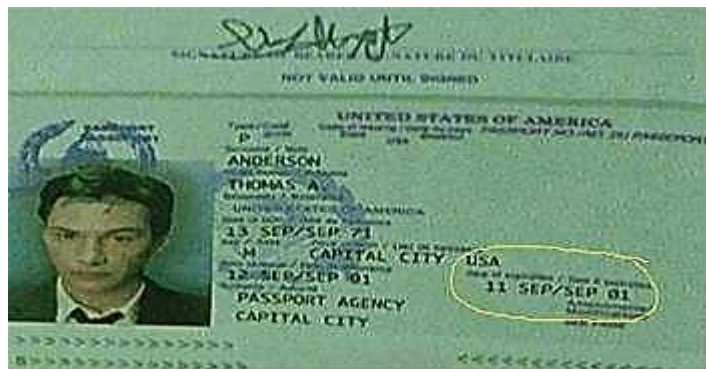
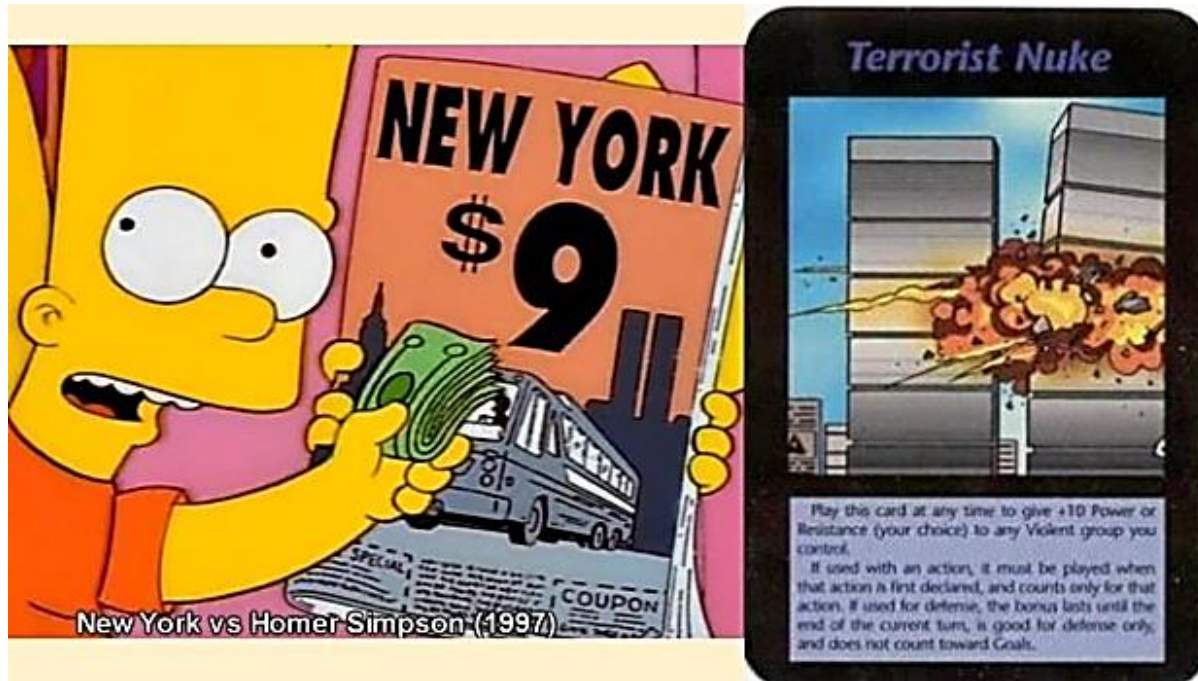
The two have been on friendly terms since Netanyahu’s stint as Israel’s ambassador to the United Nations. For years they kept in close touch. Every Sunday afternoon, New York time, Netanyahu would call Silverstein. It made no difference what the subject was or where Netanyahu was, he would always call, Silverstein told an Israeli acquaintance. Their ties continued after Netanyahu became prime minister.⁹

As the World Trade Center’s brand-new owner, Silverstein could easily have given Israeli agents with suitcase nukes **access** to the Twin Tower basements.

Silverstein is famous **for his “pull it” remark** regarding Building 7, the **“smoking gun”** of 9/11. But might Larry have had an even *bigger* smoking gun had he *not* pulled it? According to Building 7 survivor Barry Jennings (an emergency coordinator for the New York Housing Authority), an enormous explosion in 7 destroyed the lower part of the stairs he and a colleague were descending in a stairwell. They retreated upstairs and were eventually rescued by the fire department. Jennings described intense heat, and stepping over dead bodies on the way out of the building’s blown-out lobby.¹⁰ Perhaps for Silverstein, pulling the building was better than having to explain all those mysterious office fires and corpses, which did not fit the official narrative.

Hollywood Hints

Much has been discussed about the entertainment industry's innumerable pre-9/11 predictions.



Did You Know?

In the movie "**The Matrix**" (1999), Neo's passport expires on **September 11th, 2001.**

Conspiracy Club

No film reeks of 9/11 symbolism more than *Back to the Future*, from Marty's DeLorean leaving a glowing "911," to Biff watching a simulated Twin Towers collapse in *Back to the Future 2*. Director Robert Zemeckis later made a movie about the Twin Towers called *The Walk*, released in October 2015, the same year and

month Marty traveled ahead to in the future. I won't embed it here, but this [12-minute clip](#) nicely summarizes *Back to the Future's* 9/11 predictions.

However, a widely overlooked feature of its foreshadowing is the nuclear element. Here's Doc explaining to Marty how he powers the flux capacitor:

Doc: Unfortunately no, it requires something with a little more kick, plutonium.

Marty: Uh, plutonium, wait a minute, are you telling me that this sucker's nuclear?

Then there's the bumper sticker on Doc's car:



I acknowledge that this brief Hollywood digression in no way "proves" the Twin Towers were nuked. It's supplemental, for whatever it may be worth.

Implications for the Truth Movement?

Might Tahil's work on nuclear demolition have alarmed the 9/11 perpetrators, resulting in alternative theories of the WTC collapse, for the purpose of creating cognitive dissonance? I don't know when in 2006 Tahil's book was published, but in *late* 2006 Dr. Judy Wood proposed **Directed Energy Weapons (DEWs)** and *Architects and Engineers for 9/11 Truth* was established (proposing nano-thermite). (In making this remark, I intend no insult to followers of either camp, who include many sincere and intelligent individuals.)

This summer, during his book tour, I had the pleasure of meeting [Chris Bollyn](#), one of 9/11's best researchers. In this [interview](#), starting at about the 42-minute mark, Chris states a **Mossad agent approached him in Germany** and tried to sell him on the "beam weapons" thesis, long before Judy Wood got on board with it. Dr. Woods' DEWs, which she initially called "[Star Wars Beam Weapons](#)," took Israelis off the hook for 9/11, since they wouldn't have had a space-based weapon.

Kevin Ryan, who, along with Dr. Steven Jones, is a **leading nano-thermite** proponent, exonerates Israel as well, in his book *Another Nineteen: Investigating Legitimate 9/11 Suspects*. After 312 pages, he writes:

Israel has also been discussed in terms of the possibility that elements of its government were involved. Unfortunately, such claims are often made without supporting evidence and coherent reasoning. Although there is evidence that Israeli intelligence knew details about the attacks in advance—the story of the “Dancing Israelis” verified this foreknowledge—**many governments had advance knowledge of the attacks as indicated by the warnings received.**¹¹

Looking at Ryan’s suspect list in his chapter headings—Cheney, Rumsfeld, Freeh, Tenet, Clarke, Canavan, Sliney, Eberhart, Truscott, Jenkins, Walker, McDaniel, Giuliani, etc.—he somehow missed the innumerable Israeli/Zionist links to 9/11. There is virtually no overlap. His book never once mentions **Dov “missing 2.3 trillion” Zakheim**, comptroller of the Pentagon. Larry Silverstein is noted only in passing—no discussion of Lucky Larry’s **\$5 billion insurance** payout or doctor’s appointment on 9/11.

The “plane strikes”

Although this post has primarily addressed the **use of nukes of 9/11**, its conclusions necessitate briefly discussing what actually struck the Twin Towers as “airplanes” that day.

Lack of physical evidence at the Pentagon and Shanksville has long left doubt that any planes hit them at all. Many people are beginning to realize that the Twin Towers weren’t struck by jetliners either. Whatever hit the South Tower was traveling **at 590 miles per hour**,¹² speed **impossible** for a Boeing 767 to attain at ground level; even if it did, it would have been uncontrollable, as demonstrated by Pilots for 9/11 Truth in this 6-minute clip.

Then, of course, are the impossible physics displayed in news footage of Flight 175 vanishing into the South Tower, its fragile aluminum wings and tail slicing through the 14-inch steel columns “like a hot knife through butter.” For those new to 9/11 Truth, there are innumerable posts and videos about this; I’ll embed a quick clip here:

Many believe the images of **aircraft hitting the Towers were CGI** (computer-generated imagery) made after the fact. However, Richard Hall has produced a compelling video demonstrating that, in all South Tower strike footage, filmed from many angles, the object followed the precise same trajectory. This indicates a real object hit the Tower. Hall concludes it was a **missile** shrouded in a plane’s image. I won’t embed the 30-minute video, but click here if you wish to view.

The declassified 1987 Defense Department paper *Critical Technology Assessment in Israel and NATO Nations* noted that the **Israeli firm El-Op was then already developing holographic technology with “stealth applications.”**

Hologram tech is real. It can make deceased performers “come to life” on stage:

Military implications are obvious. The U.S. Air Force developed an airborne holographic projector years ago:



When Chris Bollyn was on his 9/11 speaking tour this summer, I asked his opinion of the “no planes” theory. Chris said that on images of Flight 175’s underside, you can see a **missile**; its nose lights up when it meets the building. (This is much discussed in the 9/11 movement.) Chris asked: if it was only a hologram, why would they bother including a missile image? Chris’s conclusion was that **missile-carrying drones** hit the Towers.

However, I didn’t understand how a drone could fly through steel any more than a jetliner. *Although I am not wedded to the idea*, Hall’s conclusion may resolve the dilemma: perhaps the missile was real, but the “airplane” was not. Unlike jetliner noses, which are so soft they have been crumpled by bird collisions, a missile’s nose is hardened and designed for penetration. With advanced holographic technology, a missile could easily project a plane image around itself. The sound people heard may have been a cruise missile instead of a Boeing 767. I have no idea where the missiles would have been launched, but it’s interesting that Israel began commissioning her first Dolphin-class submarines in 1999.

9/11 may actually have been a comparatively simple operation: four cruise missiles cloaked as aircraft, one of which had to be ditched in Shanksville; and two suitcase nukes in the Twin Towers’ deepest shafts.

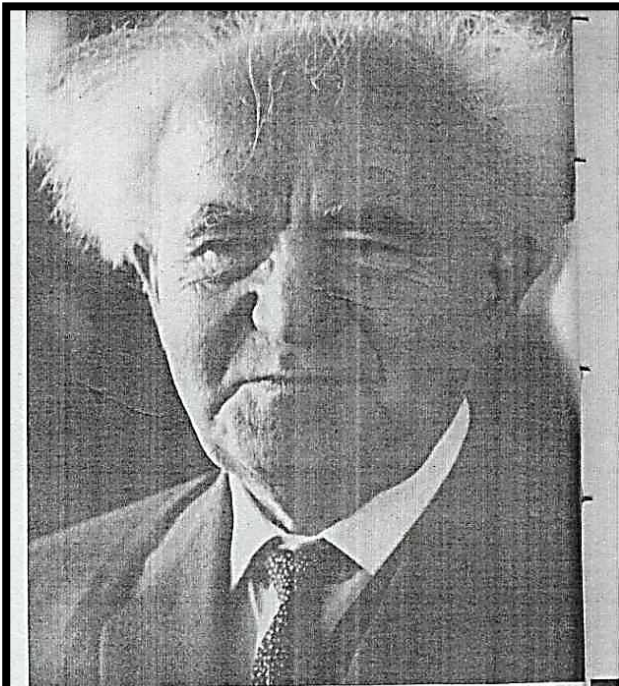
We haven’t discussed many other aspects of 9/11 here: fates of the original passengers and planes, which I probed in an earlier post; the **basement explosions** heard in the Twin Towers during “plane” impact; and evidence for pre-planted **explosives and thermite** at the impact levels. But we can only address so much in an article.

What about the Future?

The goal of the **Rothschild "Powers that Be"** has long been an all-powerful one-world government. It was for this purpose that the Council on Foreign Relations, Bilderbergers and Trilateral Commission were **established**. Regional consolidations such as the EU and NAFTA were designed as stepping stones to an ultimate world government.

Zionism has always been enmeshed with world government. This should surprise no one, since the Rothschilds have been the driving financial force behind both. Here is Israel's first prime minister, Ben-Gurion, calling for a **"New World Order"** at the 1945 World Zionist Congress:

The world government's **center would be Jerusalem**. Ben-Gurion predicted this in *Look* magazine in 1962 (below). A larger-font transcript can be read [here](#).



David Ben-Gurion (Prime Minister of Israel): "The image of the world in 1987 as traced in my imagination: The Cold War will be a thing of the past. Internal pressure of the constantly growing intelligentsia in Russia for more freedom and the pressure of the masses for raising their living standards may lead to a gradual democratization of the Soviet Union. On the other hand, the increasing influence of the workers and farmers, and the rising political importance of men of science, may transform the United States into a welfare state with a planned economy. Western and Eastern Europe will become a federation of autonomous states having a Socialist and democratic regime. With the exception of

the USSR as a federated Eurasian state, all other continents will become united in a world alliance, at whose disposal will be an international police force. All armies will be abolished, and there will be no more wars. In Jerusalem, the United Nations (a truly *United Nations*) will build a Shrine of the Prophets to serve the federated union of all continents; this will be the seat of the Supreme Court of Mankind, to settle all controversies among the federated continents, as prophesied by Isaiah. Higher education will be the right of every person in the world. A pill to prevent pregnancy will slow down the explosive natural increase in China and India. And by 1987, the average life-span of man will reach 100 years."

Ben Gurion's reference to a **"Supreme Court of Mankind"** in Jerusalem would startle no one familiar with "The Roots of Evil in Jerusalem," a description of the **Luciferian architecture of the Rothschild-funded Israeli Supreme Court.**

We should make no mistake—world government would be **cruel, totalitarian, and ruled by a figure the Bible calls the "beast" or "Antichrist."** Revelation 13:7 says "he was given authority over every tribe, people, language and nation." To *govern the world*, the Antichrist would need a *world government*. The Bible likewise warns he will rule from a **(rebuilt) temple in Jerusalem**; e.g.:

Don't let anyone deceive you in any way, for that day will not come until the rebellion occurs and **the man of lawlessness is revealed**, the man doomed to destruction. He will oppose and exalt himself over everything that is called God or is worshipped, so that he sets himself up in God's temple, proclaiming himself to be **God**. (2 Thessalonians 2:3-4)

World Wars have been the **primary catalysts of the Rothschild plan**. World War I generated the first try at world government, the League of Nations, as well as the

Balfour declaration, which the British government issued to Lord Walter Rothschild, pledging a "Jewish homeland" in Palestine. World **War II produced a stronger framework for world government—the UN**—and the Israeli state. But the plan's culmination (total world government, seated in Jerusalem) would probably require a World War III.

How do you start wars? Usually through false flags. The events which brought America into World War I (*Lusitania*) and World War II (Pearl Harbor), **were orchestrated through deception**.

What sort of **false flag** might trigger World War III? It doesn't take a rocket scientist to understand that another World War would inevitably involve **nuclear** weapons. And here Israel's secrecy concerning the

number and size of her nukes becomes extremely troubling. According to the declassified 1987 Defense Department report, the United States [assisted Israel in developing hydrogen bombs](#). Why would Israel need H-bombs?

Israel's very identity seems intertwined with nuclear weapons. Even *Wikipedia* says Ben-Gurion was "nearly obsessed" with them.¹³ What is the purpose of these weapons?

[9/11 demonstrated offensive use](#). They obviously aren't for defense because, after 9/11, the U.S. military squandered its resources eliminating [Israel's viable enemies in the region—Afghanistan, Iraq, Libya, and now Syria](#). Only Iran remains.

If, in fact, missiles were cloaked as jetliners for the 9/11 false flag, it raises a disturbing possibility. To instigate World War III, perhaps Israel would launch a high-yield *nuclear* missile against America, this time [cloaked](#) as a Russian bomber. Or a nuclear missile against Russia, cloaked as a U.S. bomber. Either way, the Zionists might get their Third World War.

The question would then become: How far would this World War go? While I realize Hollywood has limited predictive value, I will reference it here, only because it has modeled the possibilities. In 1964, two major films depicted nuclear war between America and Russia: *Fail Safe* (drama) and *Dr. Strangelove* (dark comedy). Their endings were very different, but equally bizarre. [Columbia pictures](#) produced both films, which even shared screenwriter Peter George (died 1966).

In *Fail Safe*, a computer glitch causes a U.S. bomber squadron to nuke Moscow, despite all efforts by the President and Pentagon to recall it. To appease Russia and ensure no all-out war destroys humanity, the President orders the U.S. Air Force to nuke New York City; as Ground Zero they use the Empire State Building, the city's tallest building before the Twin Towers, whose design plan was publicly revealed that same year, 1964. (Makes one think twice about the original A-bomb program being named ["The Manhattan Project."](#))

In *Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb*, a rogue American general launches a first strike on Russia, and here again, the Pentagon and President cannot stop it. In this film's ending, [the entire world is nuked](#); the audience watches a gallery of nuclear explosions while the song "We'll Meet Again" plays. Dr. Strangelove has told us, however, that the world's [leaders and elite will escape the disaster](#) by going underground, reminiscent of the DUMBs (deep underground military bases) discussed in alternative media.

Many believe that the German-accented character Dr. Strangelove was based on Henry Kissinger.



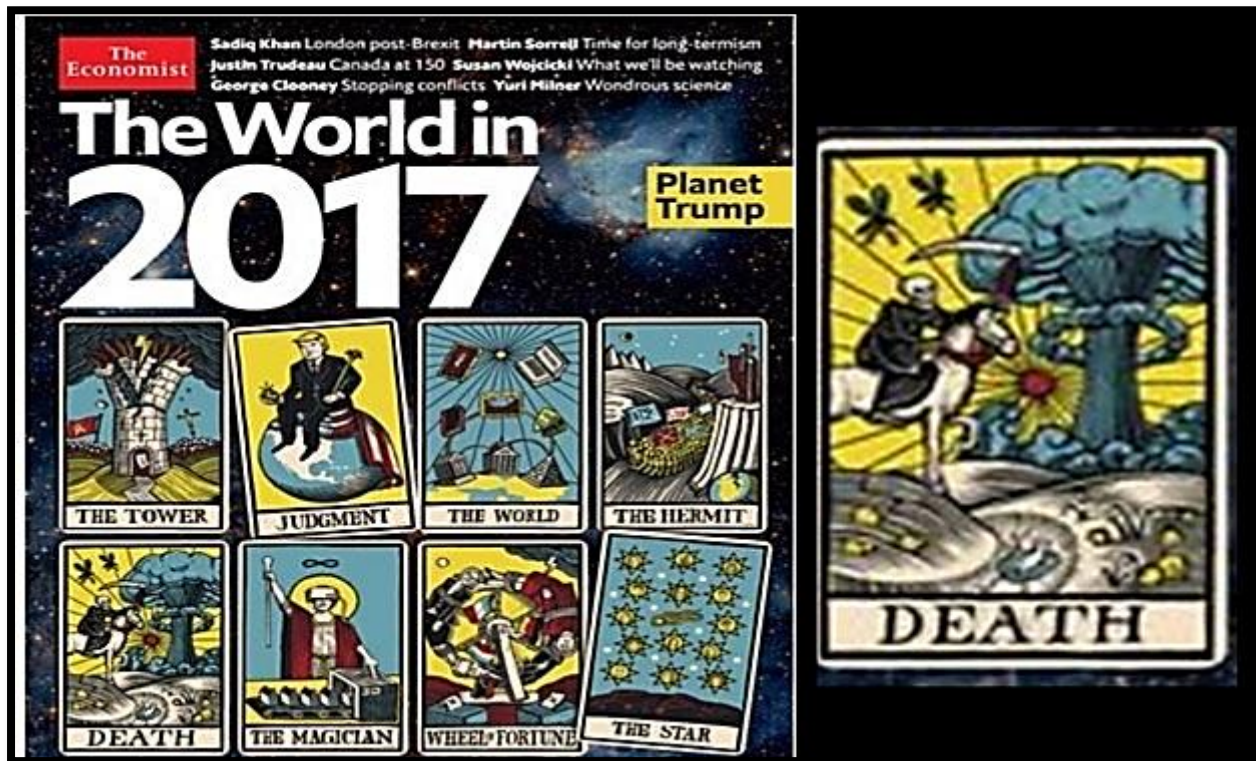
Dr. Strangelove was played by Peter Sellers, who had three roles in the film. Sellers had previously played three roles in another film about nuclear weapons—the *Mouse that Roared* (1959), in which a tiny country rules the world after stealing a powerful American weapon (the “Q bomb”) from . . . New York City. That film’s thesis seems like a parable for Israel. For just as the gun was called “the great equalizer,” the atomic bomb is an equalizer making small countries as formidable as the large.

Which are the Rothschild elite planning? The *Strangelove* option (nuke the planet) or *Fail Safe* option (limited nuclear war)? I believe it is probably the latter. If they intended all-out nuclear war, why bother with police-state surveillance, chemtrails, vaccines, false-flag shootings, and the host of other ills inflicted upon us? Why not just nuke the planet and be done with it? And how can you have a world government without a world?

While either scenario would produce a burnt offering to Satan on an unprecedented scale, a *Fail Safe* limited war could frighten humanity into accepting world government from fear of a *Dr. Strangelove* outcome.

When might this happen? Trying to predict the future is a great way to end up with egg on your face. However, I am concerned about 2017.

The Rothschild-owned magazine *The Economist* is notorious for its annual predictive cover. "The World in 2017" cover displays Tarot cards including a "death" card with a nuclear bomb exploding.



2017 has many anniversaries for the Rothschild elite to celebrate. Here's a graphic I occasionally Tweet:

- 50th anniversary of Zionist seizure of Jerusalem.
- 50th anniversary of attack on *USS Liberty*.
- 100th anniversary of Balfour Declaration.
- 100th anniversary of Bolshevik Revolution.
- 100th anniversary of U.S. being deceived into World War I.
- 100th anniversary of Scofield Reference Bible (birthed Christian Zionism).
- 300th anniversary of first Freemasonic Grand Lodge.
- 500th anniversary of Catholic-Protestant split (divide & conquer).

If I was Rothschild, and was sentimental, my ideal date in 2017 might be March 11, Purim, the holiday when Jews celebrate being delivered from their enemies—and celebrate slaughtering them.

What would be the best way to prevent an atomic holocaust? One thing Israel and its Rothschild patrons fear is military might. Neither American nor Russian generals want a nuclear nightmare. I believe Vladimir Putin would do well to warn Netanyahu that, in the event of an Israeli-schemed nuclear false flag, Tel Aviv would be first on the hit list.

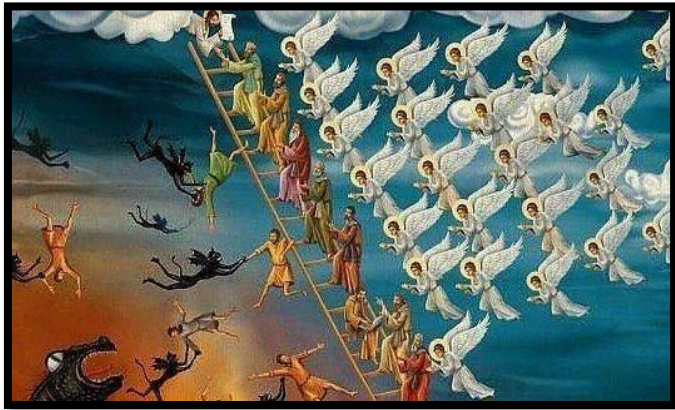
Along with strategic hopes, we need to turn to God, and do a lot of praying. As a chaplain famously said at Pearl Harbor that Sunday morning, "Praise the Lord and pass the ammunition."

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4.3 The Shadow Government Uses SES, SERCO, and OPIC as Portals into Unspeakable Corruption

Note: The author this submission is not religious and advocates nonviolence, however, all voices are respected as part of the diversity of life and when people are outraged at corruption they will be blunt, especially when research leads them to a conclusion of espionage or treason. The authors of this article are former intelligence operatives, so they know the murky world they are investigating. We the People are just finding out thanks to COVID-19. Ultimately Information needs to go to a court of law but as the reader will discover (and in personal experience) judges are interfered with or paid off through some financial benefit. We are all same same but different and this is how it is meant to be. This information is included in the public interest.



By [Americans for Innovation](#)

Article Image: The Icon of the Ladder of Divine Ascent is connected with the well-known spiritual classic book entitled *The Ladder of Divine Ascent* by Saint John Climacus, of the seventh century. It inspired by **Jacob's dream** where God—the Great I Am—promised to keep him in all places and that he should not be afraid. Genesis 28:12-15.

These lawyers, bankers, academics, journalists, bureaucrats and otherwise self-styled elitists sponge off the actual wealth-creation of hard working Americans via SES, OPIC, Lockheed Martin, Crown

Agents, Serco, USAID in pursuit of the seven deadly sins.

Since they don't do real work, President Trump can simply turn their lights off.

Then, he can use the trillions of dollars recovered to empower real wealth creators of America.

Apr. 20, 2018—Americans for Innovation began this investigation in 2012 to try and understand why the U.S. Supreme Court **failed to protect Leader Technologies'** revolutionary **invention of social networking**—even after Leader proved that **Facebook infringed their patent** on 11 of 11 claims.

What we have discovered is a **labyrinth of organized sin and corruption** that permeates practically every institution on our planet. Besides watching the **Leader v. Facebook** court ignore well-settled precedent to protect Facebook, the **judges** themselves held volumes of Facebook financial interests.

Judges are expressly prohibited by their sworn [Code of Conduct](#) from engaging in such immoral and illegal activity. They are **prohibited from holding "even one share" by a spouse in a litigant**. The games that our judges, politicians and bureaucrats are currently playing by hiding their financial holdings in large corporate litigants behind **conspiring mutual funds** is just obscene. This corrupt practice began in earnest after a [Judicial Conference in March 2001](#)—**six months before 9/11** & the theft of Leader's social networking invention—without public hearing or debate. We call it *The Great Mutual Fund Scam*.

Here are the corrupt judges and clerk in *Leader v. Facebook* who each **failed to disqualify** himself/herself due to his/her *substantial* holdings in Facebook financial interests. Each person gained great wealth from the Facebook initial public offering in [2012](#), this is without even knowing the extent of their offshore accounts. They also failed to disclose their intimate relationships with Facebook's appeal attorney Thomas G. Hungar, Gibson Dunn LLP:



Our initial scratching at the surface of this **injustice to Leader Technologies** has now given way to bulldozers and dump trucks. **We have teamed up with corruption fighters from around the globe.** We have worked to meticulously document these crimes with *indictable evidence* that some are calling the **Crimeline**. It was intended as a research tool for lawyers, judges, politicians and the media to help speed up the coming prosecutions.

Honest citizens of the world cannot allow these corruptocrats to succeed. [Note: Over a year ago we sent a copy of this Crimeline to then Senator **Jeff Sessions** before he became Attorney General.]

Leader Technologies' shareholders are currently asking President Trump to pay them for the **18-year theft of their social networking invention** by the federal government and our rogue Silicon Valley technology community. They have filed "Miller Act Notices" at the White House and have proposed a remarkable Win-Win fix for the horrific problems that this theft has caused. See [Leader Technologies files trillion dollar bond lien on the U.S.](#)

Big Picture: The corruptocrats stole Leader's invention to speed up their globalist takeover

What is the connection with Leader Technologies' social networking invention? These corruptocrats **stole it because they knew it would speed up their takeover of the U.S. Republic.** They appear to have been right about that. "Social networking" appeared almost overnight like a Phoenix via the [IBM Eclipse Foundation](#) in early 2004 once Leader Technologies had finished debugging their source code. See [First annual IBM EclipseCon 2004, Feb. 2-5, 2004](#) (Facebook started Feb. 4, 2004).

Once we proved the **immediate evidence** of the *Leader v. Facebook* corruption, we widened our lens aperture to look at *who* and *what* was behind these peoples' choices to be so corrupt.

In summary, the following organizations came into focus:

- **Senior Executive Service (SES),**
- **Overseas Private Investment Corporation (OPIC),**
- **Serco,**
- **USAID,**
- **Crown Agents, and**
- **Lockheed Martin.**



We knew a little about Lockheed and USAID, but nothing about SES, OPIC, Serco or the Crown Agents. Considering that these organizations move **hundreds of billions of dollars of American tax money around the planet, why are they not in our civic consciousness?** The MSM has been silent and has clearly failed to hold them accountable, as is their job. Now we know that this gaggle of criminals are the successors of **Nazi Brown Shirts for the Deep State shadow government.** They could cease tomorrow and the *world would only improve*, wars would stop, and a new era of human creativity will be unleashed.

SES & OPIC constitutes an unconstitutional secret government, but it's worse. Other governments help drive the SES sedition bus.

The Senior Executive Services (SES) includes over 8,000 Obama stay-behind senior federal employees in all agencies of the U.S. government. They openly state that they cannot be fired by the President, which means they are **not accountable to our Republic** and have a **law unto themselves**. See our previous post [Obama hired them. Trump cannot fire them. So they say](#). It went viral 30 days ago with an estimated 500,000 views. The story is out.

Former FBI Director James B. Comey's book title speaks volumes: *A Higher Loyalty*. Evidently Mr. Comey believes his oath to serve America **does not include its leaders** if he decides to have a globalist agenda. His associations with Lockheed Martin and **London-based HSBC** clearly show that he leads this coup against American sovereignty. The arrogance of his current book road show speaks volumes about his **moral character**.

Connecting the dots, AFI, Leader Technologies, American Intelligence Media (AIM) and other researchers from groups like The Right Media, Anonymous, the real Q and KimDotCom among them have helped uncovered primary institutions through which the SES funds its **sedition**—totally outside of We The People Congressional oversight.

To see more on Serco and its papertrail back to RCA Photophone see:

[What is the real truth about Serco?](#)

Overseas Private Investment Corporation (OPIC)

The Overseas Private Investment Corporation (**OPIC**) was formed on January 19, 1971 in an **amendment to the Foreign Assistance Act of 1961**. The Act had previously formed the United States Agency for International Development (**USAID**) which is closely aligned with OPIC's seditious activity.

OPIC is actually a corporation whose sole shareholder is the U.S. Secretary of State. The **SES** provides the executive staffing and leadership for OPIC.

Herein is the scandalous scamming of America. Through convoluted legal gobbledygook, OPIC as a company and not a federal agency *per se* is **solely "owned" by the Secretary of State**. OPIC is staffed by the SES who state openly that they **cannot be fired** by the President; therefore, by direct inference **don't work for him**— even though the President appoints the Secretary of State, their sole shareholder.

As if this couldn't get more twisted, **the Secretary of State is an SES member and technically cannot be fired by the President**, who works for We The People. This likely means that We The People have no control over SES or OPIC— even though we fund them both. The lawyers who wrote these laws and regulations (and then protect these entities from FOIA transparency) should be shot for this treasonous word play.

While Rex Tillerson recently left his position as Secretary of State, being SES himself, we doubt he was fired. Just look at how Attorney General Jefferson B. Sessions—also SES—is stubbornly hanging on, almost begging the President to challenge his SES employment protections.

OPIC is run by the SES according to the [Plum Books from 1996, 2000, 2004, 2008, 2012 and 2016](#). The 2016 Plum Books state clearly on p. 218. Since the documents intentionally fail to define the phrase "independent regulatory commission" it could mean anything if challenged and must be assumed to mean all SES members. Whether narrowly or broadly defined, thousands of federal employees fall into this insulation from Presidential authority:

By law, the appointment to or removal from any SES position in an independent regulatory commission shall not be subject, directly or indirectly, to review or approval by an officer or entity within the Executive Office of the President.

Fig. 4—The SES Plum book claims that the President cannot fire them. [S. Prt. 114-26. \(Dec. 01, 2016\)](#). Plum Book, Policy and Supporting Positions. Committee on Homeland Security and Governmental Affairs. U.S. Senate, 114th Congress, 2d Session, p. 218 (PDF p. 228). GPO.

OPIC’s 2017 Annual Management Report says they have provided [\\$23.2 billion](#) in benefits—all decisions made by the SES.

Conclusion: SES-OPIC is a rogue outfit ever since the SES was formed in 1978.

SES + OPIC + USAID + Serco + Crown Agents + Lockheed

The more our investigators dove into the seditious SES-OPIC labyrinth, the deeper it went, and the more convoluted it became.

[They Rule the Planet](#)

Serco Group Plc (UK)

Serco is led by two British knights who pledge loyalty to the Queen. There are Sir Rupert Soames and Sir Roy Gardener.

America: Meet Your British Overlords

“Serco is the biggest company in America that you have never heard of.” Why?

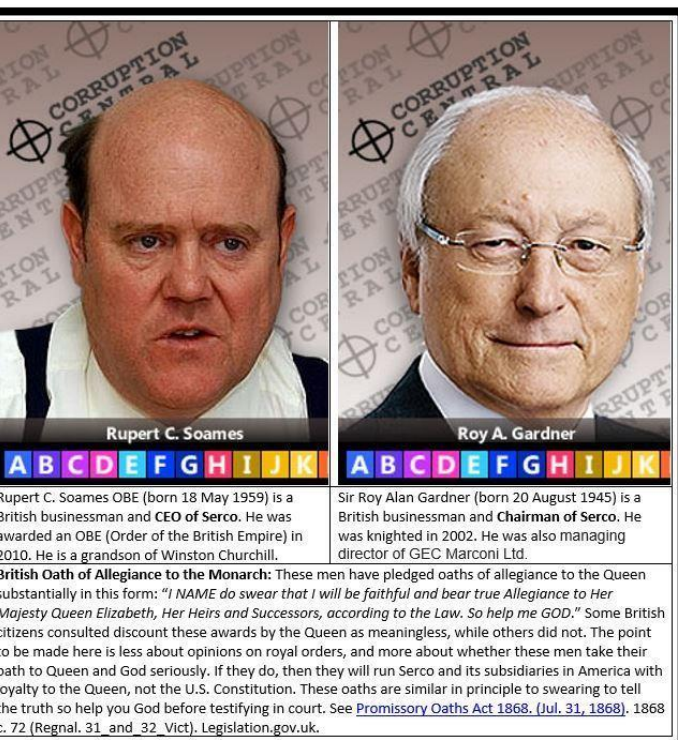
Why is a company that **operates the U.S. Patent and Trademark Office and over 58 air traffic control system in the U.S. so obscured** from the public consciousness?!

Serco Group PLC is a British company with 10,000 employees and annual revenue of \$5.9 billion. Serco runs the U.S. Patent and Trademark Office!

Do you mean to tell me that the U.S. Patent Office is not capable of running itself without foreign help?! American inventors take note: You’re screwed.

Next we have Serco Group PLC. Serco is a British company with 10,000 employees. Serco runs the U.S. Patent and Trademark Office! Do you mean to tell me that the US Patent Office is not capable of running itself without foreign help?

We could not believe this either, but here is Serco’s [2015](#) press release announcing its deal with Obama..



No reasonable person can view this as anything but **sedition**. This alone should get your blood boiling, but it gets much, much worse.

[Serco has 11 contracts](#) with the U.S. Army, Navy, SPAWAR, Intelligence, Air Force, Coast Guard, Marines, US Border Patrol as well as the Transportation and Commerce Departments.

[Serco](#) operates 58 U.S. air traffic control towers!

Serco has major contracts with the FCC, FTC, FAA, DOJ, DOS, DHS, ERO, ICE, GSA, prisons, Pension Benefit Guaranty Corp and even run U.S. military boot camps.

Serco runs major public works in Chicago, Colorado, Los Angeles, San Francisco and Georgia.

Sweetheart Serco Honey Pots: Indefinite Delivery, Indefinite Quantity

In short, we have **ceded great swaths of U.S. infrastructure** to this foreign control. Many of the Serco contracts are the most lucrative imaginable. They are “Indefinite Delivery, Indefinite Quantity” contracts, meaning they are blank checks for the SES.

What? Are not American companies worthy of such honey pot contracts?

America’s corporate borders against foreign intervention were overrun long ago

More likely, these contracts reveal that America’s corporate borders were overrun long ago? Ask yourself: Why are we giving our sovereignty to the United Kingdom? That is a longer answer that is superbly answered in the just released AIM article: [EXPOSED: ALL THE QUEEN’S AGENTS AND CORPORATIONS THAT CONTROL THE WORLD](#). [This article is in Global Research Report]

Serco’s American subsidiary, **SI International**, was founded and funded on [Oct. 14, 1998](#) by **Chicago** bankers with Frontenac Company principals formerly with Booz Allen and Bain & Company (Mitt Romney). SI International’s officers included [S. Bradford Antle](#) who, according to his [Bloomberg](#) biography, was still working for Lockheed Martin where he was leading Lockheed Martin’s Washington Technical Operations with 1,700 employees. **Other officers came from the U.S. Intelligence supplier CACI, Inc.** and Gen. R. Thomas Marsh came from MITRE Corp who is SES.

[On Dec. 28, 2008](#), Serco Group PLC (UK) bought **SI International** and renamed it **Serco**, Inc. aka Serco Services, Inc. and appointed S. Bradford Antle its President.

Antle was the Serco-Lockheed Martin Go-To Executive for the Deep State Overlords

While Brad Antle was triple-timing employment among SI International, Serco and Lockheed Martin, former FBI Director [James B. Comey](#) was General Counsel at Lockheed Martin (2005-2010).

America: Meet your Lockheed Martin / Serco Traitors	
 <p>S. Bradford "Brad" Antle</p>	 <p>James B. Comey</p>
<p>Figure 2: S. Bradford "Brad" Antle: GE 1985-1995, Lockheed Martin 1996-2001, SI International/Serco 1999-2008.</p>	<p>Figure 3: James B. Comey: "A Higher Loyalty" 2017-current, FBI 2013-2017, HSBC (UK) 2013, Bridgewater Capital 2010-2013, Lockheed Martin 2005-2010, Attorney General 2003-2005, US Attorney 1996-2003, McGuire Woods 1993-1996, US Senate 1995, US Attorney 1987-1993, Gibson Dunn 1986-1987, other.</p>

Now comes the very sad reality that both Antle and Comey sold out America to the British Crown via Lockheed Martin and Serco.

Serco and Lockheed Martin run the British nuclear program

AFI investigators have discovered **hard proof of sedition** by Lockheed Martin, Antle and Comey.

AWE Management Limited (Atomic Weapons Establishment)

[On Nov. 10, 1998](#), AWE Management Limited was incorporated in the United Kingdom by two lawyers who had one share each. This is a standard way lawyers start companies without involving the founders in order to handle the formation paperwork which gets amended later.

On Dec. 13, 1999, Serco Limited facilitated the updating of the stock to the real owners British Nuclear Fuels (50,000 A shares – Golden Shares controlled by the Crown), Lockheed Martin (50,000 B shares) and Serco (49,998 C shares).

Remember, just a year earlier on Oct. 14, 1998 Lockheed’s director S. Bradford Antle has just started Serco’s US predecessor SI International in Chicago.

4. Names and addresses of the allottees

Names and Addresses	Number of shares allotted		
	Ordinary	Preference	Other
BRITISH NUCLEAR FUELS PLC	50,000 A		
RISLEY			
WARRINGTON			
CHESHIRE WA3 6AS			
LOCKHEED MARTIN UK LIMITED	50,000 B		
59 LAFONE STREET			
SHAD THAMES			
LONDON SE1 2LX			
SERCO LIMITED	49,998 C		
DOLPHIN HOUSE			
WINDMILL ROAD			
SUNBURY ON THAMES			
MIDDLESEX TW16 7HT			

Please do not write in the margin

Please complete legibly, preferably in black type, or bold block lettering

Figure 4: AWE MANAGEMENT LTD. (Dec. 13, 1999). Ownership Return of Allotment re. Lockheed, Serco and British Nuclear Fuels. Reg. No. 36645711, p. 2. Companies House.

Serco and Lockheed Martin hold 2/3rd of the shares in [AWE Management Limited \(UK\)](#). AWE stands for Atomic Weapons Establishment. AWE runs Britain’s nuclear programs for weapons grade materials. The other 1/3rd of **AWE shares are held by British Nuclear Fuels Limited (BNFL)**. Most importantly, the Queen holds a “Golden Share” in AWE and its uranium mining mega supplier [Rio Tinto Plc](#) giving her ultimate control. Her Golden Share gives her absolute control.

Here is the Queen’s “Golden Share” in Rio Tinto Plc as inauspiciously recorded by hand at Companies House (London, UK) on [Dec. 31, 1999, p. 8](#). Note: When attorneys handwrite disclosures in this day and age, it is generally an intentional act in order to prevent search engines from being able to read the document.



Serco

HSBC
100332
645x3

363s Annual Return

- > Please check the details printed in blue on this statement.
- > If any details are wrong, strike them through and write the correct details in the "Amended details" column.
- > Please use black pen and write in capitals.

Company Type
Public Limited Company

Company Number
719885

Information extracted from
Companies House records on
9th May 2000

Section 1: Company details



Issued share capital details

Please fill in the details of total share capital by class (eg. ordinary, preference etc) that has been issued to the company's shareholders.

Class of Share	Number of shares issued
<u>ORDINARY SHARES OF 10p each</u>	<u>106,360,805</u>
	Aggregate Nominal Value of issued shares <u>£106,360,805.00p</u>
Class of Share	Number of shares issued
<u>SPECIAL VOTING SHARE OF 10p</u>	<u>1</u>
	Aggregate Nominal Value of issued shares <u>£0.10p</u>

Figure 5: [Rio Tinto PLC. \(Dec. 31, 1999\)](#). 2000 Annual Return, Reg. No. 719885. Companies House. Take special note that it appears that **HSBC is handling Rio Tinto’s corporate filings**. Also note that this filing occurred just 18 days after the [On Dec. 13, 1999](#) AWD Management Limited. registration of shares that for British Nuclear Fuels, Lockheed Martin and Serco. Now we see HSBC in this brew. It should be noted again that **former FBI Director James B. Comey was chief counsel of HSBC** in 2013.

To make this circumstance even more unscrupulously confusing, the AWE Limited (UK) annual report [on Dec. 31, 2016](#) actually says in very slimy lawyerly parsing that “The directors consider Lockheed Martin Corporation, a company registered in the USA, as the ultimate parent undertaking and controlling entity.” **They did not even mention the Queen’s Golden Share** that ultimately controls anything having to do with **uranium and atomic weapons** production in the UK. The Queen via Rio Tinto actually sells them the uranium ore to produce the nuclear fuel. So, did the AWE directors check with the Queen before making this statement.

AWE MANAGEMENT LIMITED**NOTES TO THE ACCOUNTS (continued)****For the year ended 31 December 2016****25. ULTIMATE PARENT COMPANY**

The directors consider Lockheed Martin Corporation, a company registered in the USA, as the ultimate parent undertaking and controlling entity. Copies of the ultimate parent's group financial statements may be obtained from Lockheed Martin Investor Department, 6801 Rockledge Drive, Bethesda, Maryland, 28017, USA. Lockheed Martin Corporation is the parent undertaking of the largest and smallest group of undertakings for which group financial statements are drawn up and of which the company is a member.

The company's immediate parent undertaking is Lockheed Martin UK Holdings Limited (Company No.3184898), a company incorporated in England and Wales. Copies of the financial statements of Lockheed Martin UK Holdings Limited are available from Companies House, Crown Way, Cardiff, CF14 3UZ

Figure 6: [AWE MANAGEMENT LTD. \(Dec. 31, 2016\)](#). Annual Report and Consolidated Financial Statements. Reg. No. 36645711, p. 34. Companies House.

If we are to believe the AWE directors, Lockheed Martin controls the British nuclear program.

If we are to believe British Companies House filings, **the Queen controls the nuclear program** by way of her Golden Shares.

Something is horribly wrong with this picture, especially when one adds the **Uranium One, Clinton, Putin, Mueller fiasco into the mix**. It appears more and more likely that **Putin and the Crown** were jockeying over control of global uranium mining rights (Rio Tinto vs. Rosatom). Bill and Hillary Clinton knew this, so they played the American card since the Queen's ore is enriched in the U.S. in Eunice, New Mexico.

The Queen holds a Golden Share (100% control) of [Rio Tinto, that operates numerous mines in Canada](#). In this scenario, the Uranium One deal appears to have been Bill & Hillary and The Clinton Foundation injecting themselves in the middle to get a piece of the financial action. The Kazakhstan "deal" was probably a sham, a cover, just leverage. Mueller was used as a goat to show the quality of the Eunice, NM processing of the Queen's (READ: Frank Giustra) ore.

If the former is true, **then British sovereignty over its national security has been ceded to Lockheed Martin**.

If the latter is true, then **America's national security** has been traded away by Lockheed Martin who is managing **multiple sets of national interests** and is, therefore, sometimes acting against the United States in its dealing with the United Kingdom.

Who are the common threads here? Former FBI Director James B. Comey and former Lockheed Martin director of Technical Operations in Washington, D.C. S. Bradford Antle.

It is important here to note a longer Serco thread that reaches back almost a century. **Serco was founded in 1929 as RCA Services Limited, a UK division of the Radio Corporation of America (RCA)**. In 1985, **General Electric** purchased RCA. Two years later in 1987, the UK managers of RCA bought the RCA UK operations and changed the name to Serco in 1988.

These events within Serco (UK) occurred right when **S. Bradford Antle worked for General Electric** (and probably facilitated the sale, with the plan to eventually work for Lockheed, former SI International, then have Serco UK buy in to the US classified business via SI International). These sorts of devious convolutions have come to be expected by our researchers.

So more likely, the Queen controls the nuclear activities of both Lockheed Martin and Serco in Britain. This control then walks back to the U.S. via **URENCO LIMITED (UK)**.

URENCO manages the **U.S. nuclear enrichment plant in Eunice, NM**. Curiously, in their [2018 annual report](#), URENCO disguises their British 1/3rd ownership by British Nuclear Fuels Limited (BNFL) and says instead that

We have two more groups to discuss, then we'll swing back around to SES and OPIC.

Crown Agents USA Washington DC and USAID

See American Intelligence Media's new article laying out the history of the Crown Agents. We won't repeat this superb research here. [EXPOSED: ALL THE QUEEN'S AGENTS AND CORPORATIONS THAT CONTROL THE WORLD](#). This article includes links to actual contracts that USAID pays to Crown Agents.

Even our week-long review of government contracts shows that the U.S. government pays billions of dollars a year to Crown Agents USA Washington DC—which is a vassal of the Queen of England. Why do we not hire Americans for this work. This is another example of the corporate borders having been dropped long ago.

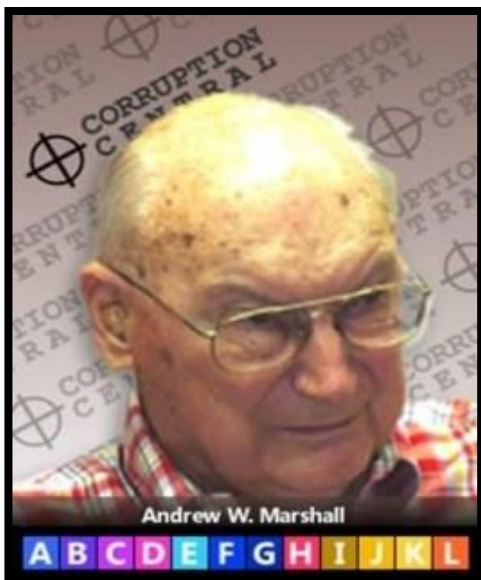
OPIC funds USAID and Crown Agents—globalist front men

Hidden inside OPIC are many dozens of **contracts with billions of dollars awarded to Citibank**. This tie to **Wall Street** is evident, especially considering that Citigroup was the first merged bank formed after Bill Clinton and Treasury Secretary Larry Summers (with Facebook's Sheryl K. Sandberg in tow) abolished Glass-Steagal on [Nov. 12, 1999](#).

In addition, **OPIC funds hundreds, if not thousands, of USAID projects** that involve financing sent through the Crown Agents as the prime contractor or supplier to a prime contractor.

For example, **OPIC provided \$100 million in funds and an "Impact Award"** to [Helios Investment Partners LLC](#)—a *creation* of the Crown Agents Ltd headquartered in London. The Crown Agent's has only one shareholder – the [Crown Agents Foundation](#).

[On Jul. 19, 1995](#), the Crown Agents were "privatized" meaning they became a stock company with a board of directors. The issuance of stock amounts and rights was in the complete control of the Crown's Secretary of State, and he or she was bound by The Crown Agents Act of 1995. Here is proof that while privatization may sound like the Queen gave up control, she did not.



The Crown simply channeled its authority through the **Crown's Secretary of State** who controlled the Crown Agents "privatized" successor board of directors. Therefore, the Crown has 100% control of its subsidiary in the US named Crown Agents USA Washington DC. We should note that OPIC is similarly organized as a corporation with the U.S. Secretary of State as its **sole shareholder**. Also, seven days before Crown Agents was privatized, [on Jul. 12, 1995](#), **IBM purchased Lotus Corporation** whose collaboration software, Lotus Notes, was planned by the illegal "public-private" [Highlands Forum](#). and the DoD Director of Net Assessment—an SES member since 1978 Andrew W. Marshall—to be the platform to be used by the **Deep State shadow government** to control and spy on Internet communications.

At this same time, **Leader Technologies'** subsequent founder, Michael McKibben, was being told by AT&T Bell Labs engineers with whom he was working to create AT&T AccessPlus 3.0 for Windows 95 that Lotus Notes *probably could not be made to scale* in larger Internet transaction volumes.

The collusion among SES, OPIC and the Crown Agents is evident.

Crown Agents Serve the Crown

By law, the appointment to or removal from any SES position in an independent regulatory commission shall not be subject, directly or indirectly, to review or approval by an officer or entity within the Executive Office of the President.

Fig. 11—

[Crown Agents Act 1995. \(Jul. 19, 1995\).](http://www.legislation.gov.uk/ukpga/1995/24/2009-10-01) 1995 c. 24. Legislation.gov.uk. See also <http://www.legislation.gov.uk/ukpga/1995/24/2009-10-01>

Conclusion

In conclusion, we have tried to introduce the primary caves in this labyrinth of **global corruption**.

These caves lead us back to the beginning of our investigation—into the people and organizations who **stole Leader Technologies' social networking** invention to promote their globalist One World agenda.

The rogue C.I.A. (headquartered in **CERN**, Switzerland), in collusion with Lockheed Martin, appear to be the intelligence arm of this globalist corporate takeover..

The American Republic can survive this, we believe.

Mr. President: Defund the Criminals and Fund The Miller Act Notice

Mr. President, please pull the plug on these corruptocrats and their illegal funding streams. Since they are all based on fake values, no real services will be affected.

In addition, write the Miller Act Notice check to Leader Technologies for 18 years of unpaid use of their revolutionary social networking invention. This will generate new cash streams to free up our economy from the globalist stranglehold. This will empower Leader Technologies and other *actually* creative people in America to fix our listing ship of state. See [Leader proposes trillion dollar fed revenue while lowering taxes](#).

One Miller Act Notice check starts the ball rolling, Mr. President.

Keep up the good work. We're praying for you and your family.



[Escape from Prison Planet](#)

FOOTNOTE:

THE MAGIC OF LEADER'S INVENTION

Leader's late 1990's breakthrough in digital scalability gave these **corruptocrats a platform to unify their communications globally**—on a large scale not previously possible with IBM and Microsoft platforms. Leader's founder Michael McKibben knew that because he had previously rebuilt AT&T's email system AT&T AccessPlus 3.0. He knew exactly what IBM's and Microsoft's collaboration shortcomings were because AT&T Bell Labs engineers had told him after they had abandoned their **failed alliance with IBM-Lotus called "Network Notes."** He knew they **could not scale** to the transaction volumes needed for the emerging Internet. Problem-solver McKibben very intentionally set out to create a whole new paradigm. See [*The Weaponization of Social Media Should Concern Us All.*](#)

Once they had their "ah hah" moment in **Dec. 1999**, McKibben sought legal advice to **protect the invention**. He was eventually referred to the federal government's **top intellectual property lawyer**, James P. Chandler, III. Little did McKibben know that Chandler was chief among the world's **corruptocrats**. Chandler, who was already **conspiring with the C.I.A., NSA, IBM, Microsoft, Cisco and Silicon Valley**, knew that Leader's invention would finally enable them to implement their dream to spy on everyone.

As wolves in sheep's clothing, they offered the "social" services and email free of charge, replete with slippery legalese that gave them rights to all user data forever. This power has utterly corrupted them. Property and privacy were abolished in their pursuit of the seven deadly sins... in the name of "national security," of course.

What they did not plan on was that Leader's invention could not be controlled so precisely. Social users figured out ways to beat their censors and spread the truth using the very tools with which they are trying to enslave us.



4.4 Is Bill Gates a Vaccine Warlord?

Note: This is another voice providing perspectives on Bill Gates activities and agenda. He asserts Crimes Against Humanity. As a peacemaker I am mindful that people can use a narrative that is passionate and can be insulting to the person they are talking about. This report highlights a range of voices some will sound respectful, some will be angry. Clearly the author of this report doesn't support any form of vilification. However, freedom of speech requires a space for people to air their beliefs and yes they will be disparaging. However, there is very important information and knowledge provided by the interview with Douglas Gabriel. I am sure his narrative is mirrored by a growing sub-group in the public. The transcript detail illuminates the complexity behind the vaccines cartel, their power and the corruption that has been allowed to continue without accountability over many years. This corruption is becoming visible given the real fears around the control exercised in the name of the COVID-19 crisis. The emergency powers, the human rights abuses, the dismantling of democracy and the arising of a Brave New World is flushing up many voices who fear for the future. The alarm being raised about vaccines, digital tattoos, vaccine injury, depopulation, crown control of organization and the nature of the US/British relationship is under pressure. The various secret and exclusive societies that have maintained power over decades is being questioned, the corruption, the drug cartels (pharmaceuticals) inclusive of big money which invites foreign intervention, political complicitness, dictatorial capitalism without ethics and the plans to enslave humanity are haunting. The issue of authoritarian communism appears a big issue on the table, it is consistent theme in the research. There is comments on the China/US trade relationship articulated as a war and advising the severing of the business nexus given dictatorship, human rights history and the call for honesty. This call is unique in all the research and offers a glimpse of possible light for a space to be made for honest discussion but that would have to be both sides. As other commentators have stated, they all are lying. Dishonesty is a huge issue and is why corruption flourishes. The global elites are mentioned as behind the vaccines cartel, global money, banking cartels playing all sides off each other and the push for global domination as reflective in an old paradigm that is not progressing humanity but not only a threat to national security but a threat to the continuation of human life on this planet. The war at the ceillular level is the biggest threat that humanity has ever faced, made more insidious by the silence, the complicitness of so many outside of a reality check that we cannot continue if it is all about the money with no accountability. So the transcript makes for interesting reading and will educate the public to gain insight into some of the players involved and the prisoners dilemma we all collectively face.

As a peacemaker it is easy for humans to be divisive, to see enemies, to demonise and that is not to say that evil does not exist, it certainly does, it pokes its head up in all people and yes there are individuals and groups that are indeed diabolical or dark forces. The challenge is not to demonise each other but to find constructive pathways out of corruption, structures that promote greed and importantly break up power blocs and funding of areas that are not in the public interest as it is leading us all to a future where many will not survive given the plans of depopulation, totalitarianism and perceptions of elitism (superiority). There is enough evidence in this series of reports to confirm the validity of a global domination agenda. However, it is equally important that people do not panic but come together to discuss and work out a new future based on respect, true health, community, healing and clear communication of the world we will co-create in the future. Awareness leads us all to wisdom when we are ready to resolve these long term conflicts, constructs and problems where we made money our god not love, despite the belief in the divine right to rule. We are moving into a time of self mastery where we begin to see a different world, we choose sovereignty and all are held accountable until we arrive at a place where it is no longer necessary as conscience and empathy or unity awareness will determine how we treat one another. We first have to identify the problem to enable us to solve it. We do this for the future of all children who have a right to health and wellbeing.

Vaccine Warlord – King of Depopulation and Eugenacists

Douglas Gabriel reviews the alleged crimes Bill Gates has committed against humanity in the audio below. The details are posted below the actual audio link.



The Bill and Melinda Gates Foundation says:

Click headline link below to access full media kit of material on Bill Gates.

[Bill Gates Crimes Against Humanity](#)

*** Transcript ***

Interview with Douglas Gabriel

Refer Attachments: Video Bill-Gates-Vaccine-Warlord

Raw audio file: <https://aim4truth.org/wp-content/uploads/2020/04/Bill-Gates-Vaccine-Warlord.mp3>

- B&T back with you
- Vaccine overlords
- Commentator – mentioned in your last audio Douglas say more about Bill Gates

Douglas Gabriel:

- Reading the article showed the British tie in, if you don't show the British tie in to the vaccine warlords you won't understand it.
- Chris Witty controls all of England with an iron grip is basically bought and paid for by Bill Gates
- Tony Fauci with the National Institute of Health (NIH) 100's millions paid to them, what did they do they turned around and gave \$3.7 million to Wuhan laboratory, oh by accident, the Canadian/British bioweapons viruses went to China as a set up but that was really a distraction, like what a magician does to distract you from what is happening
- What is really going on is outright vaccine wars

- Vaccines wars - include in this Pharmaceutical and vaccines still made by China
- Made with such **horrible things**, why anyone be allowed to inject, **mandate every child** has to have vaccines can be chased down like dogs, only given 1 reason you can get out of vaccines

(interviewer) That window is closing

- That window is closing, Bill Gates, who he is, he is a fake, fraud
- Bill gates didn't write code
- Mothers boy mum got him the job, he is little Billy
- Big Billy (Bill Gates Senior), Margaret **Sanger** – **Planned Parenthood, Eugenics society, depopulation**, was the lawyer, and one of the founders members was big Bill Gates, he controls Bill & Melinda Gates Foundation
- Little Billy had to quit Microsoft and Warren Buffet group, why? He is **wanted** in a number of nations (**for crimes**)
- He is wanted in Africa, excuse me, **India** where he gave out vaccines that have killed people or sterilized children, this has been proven, he has cases against him, he is basically on the run
- Like George Soros – imagine 14 colour revolution. Now George Soros is leading a colour revolution against a sitting President all these years and during the election, yet nothing happens. George Soros is the **political economic predator** of the world.
- When you come down to the **No. 1 depopulation eugenicist** that is Bill Gates
- You may say to me wait! **Bill & Hillary Clinton** were collecting money for AIDS and doing nothing with it, or collecting money for anything medical that happens. Anywhere money is flowing the Clinton Foundation gets their piece of the pie.
- They have collected over **\$80 million one country alone in one year, in Australia** through Alexander Downer, his \$6 million. How much did they give less than 2% to AIDS, they steal money.
- Bill Gates works right up there with **Carlyle group**. The Carlyle Group had its **Bioweapons Divisions**, remember they had **400 subsidiary companies** underneath the Carlyle Group that George H.W. Bush came to sit on that Board. Basically they got endless 'no bid' contracts in Iraq, military contracts. So when looking at the Carlyle group they had their own Bioweapons Group that was part of it.
- The **Carlyle Group bought into Pirbright** (Institute) remember we told you, Pirbright has dozen of patents over a dozen that are literally coronavirus patents, which they got and they find, they patent them, they had to do something with it, probably have and did work out a vaccine
- One of the videos there was a connection to this article posted in the Cat report yesterday – got my attention, I did a summary on it, turned out to be a meme turned out to be a 2 page thick heavy condemnation of Bill Gates activities as he goes around **murdering** people. He knows he is murdering people, he knows he is maiming people, he knows he is paralyzing people and he is experimenting. He is **experimenting** in India he's killed. Half a million people India were given polio vaccinations shots they got polio. Polio was practically eradicated when (?) in Zaire (Congo) in Africa started using African's as a **human laboratory to develop a vaccine**. Every time they tell you they are going to create a vaccine or immunization for a virus, don't believe it it can't be done.
- Viruses. Right now there are **30 strands of the coronavirus in America** right now, the American versions. Every other countries have their multiple strands of it. There is a **no coronavirus**
- There is **SARS-Cov-2 which is a bioweapon**, stolen from **Winnipeg Canada National Microbiology institute** it was taken by Dr Qiu, Chinese doctor to Wuhan laboratory, the Wuhan Institute of Virology. And there she made many trips she delivered all the best of the British/Canadian. Pirbright that means Merial, that means **QinetiQ** and it goes back to what we pointed out at the beginning when the propaganda was covering for the attempt to convince the world that vaccines were necessary instead of evil. You have the Empire Press Union and the entire propaganda machine of all written media, wireless, radio, television
- Now we followed it with General Sarnov, American General, traitor, he became the Marconi cut out for RCA

(interviewer) Before you go too far. Who protects Bill gates, he is know worldwide for his murdering nations and people? Who protects him. He hasn't been executed?

- His money and the groups of rich people who listen to him
- Just like **George Soros**, **George Soros is wanted in multiple countries** for Crimes Against Humanity for his economic predatory destruction of economies of numerous countries. He almost destroyed the British pound, he certainly tried to destroy the American stockmarket again and again with billion dollar bets that he loses because Trump out foxes him each time. He is protected by his money and these organisations of elites who you have to be very rich to even get to hear what this evil man tells you what to do.
- The evil man Gates the evil man Soros. Separating them.
- George Soros is pure evil, people pay good money what he is going to do next, he is a predator in the economic realm, stolen money, **he now controls European Union**. Trump knocked him out of seat
- Who controls Bill Gates, his daddy. Who controls daddy Gates? The **eugenicists** of the world, the **elite**, who sit around talking about viruses that will kill, they want to get it **down to half billion people**
- Want pandemics that kill billions, millions wouldn't do

*(interviewer) these are the same elites, of course your reference **Prince Phillip statement** – he wants to be **reincarnates as a virus** to take out humanity...All this goes back to the Imperial empire, they want control so badly, Trump is a threat to their world order, it is where the origins of the coup lay, right there Privy council*

- We've proven it, we've **shown you the patent number**. You don't get a patent for a vaccine on coronavirus 19 unless, hello, you **created coronavirus 19**.
- **Because a patent on a vaccine in this day and age, which is pure insanity**. It means you took a virus and simply took a small dose and injected into a person, hope for the best, hope they wouldn't die from it, hope they develop immune resistance to it, next time supposedly if exposed to it may overcome it. That is stupid, it doesn't work. It cannot work for a virus. Whatever **virus you give someone it can mutate**, you can inject with the current flu, wouldn't hurt them, in other cases you could kill them with that injection.
- What we found out recently in a few videos, **Dr Buttar** is another one that people are talking about. He said some very **interesting** things. One of the more interesting things he said was basically if you receive a flu shot in last 5 years, you will come up with a **positive for coronavirus 19** when you test for it. That is fascinating because that would be true. They put the **same poisons** in the flu shot each year, which is by the way, funded by Bill & Melinda Gates Foundation.
- **Hillary Clinton and Bill** they donate a little bit so they know the inside track, so they know where the money is. They don't do much.
- **Carlyle** does a lot.
- **Privy Council** to the Queen.
- The Queen **owns** the controlling share, what we like to call the **Golden share of Pirbright Institute**, which **owns these viruses and owns the patents** on them. Then they broke off and became Merial which is headed by the person they used to call **M** in the 007 movies – **Elizabeth Manningham Buller**, she is really M, **she is in China**. They took the **Merial Animal Health Institute to China**. The number 1 Group that makes food for animals and whether anybody like it or not puts medicines in those foods, and basically puts **vaccines in those foods**, so now the animals **are exposed to manipulated DNA** viruses and a vaccine manipulation. So your animals can give you these things too, that is the reason **animals are testing positive for coronavirus**. No kidding because **they ate Merial dog or cat food because this is human and animal**.
- How did Merial get so nasty? Then they had to create a group called **QinetiQ** to carry on the work, because they too were busted.

- **The Foot and Mouth disease** – they jumped species right in front of everyone, killed animals, killed humans, mad cow disease then had to **kill all the cows** in England, burn them all. They burned them the virus went directly into the air viruses don't die. I don't know what they thought they were doing.

(interviewer) Maybe that was the plan, You are not telling me that viruses are not airborne

- Yes, or that you **can't kill them** with fire or cold. Distance matters. Some can exist for weeks on a cold hard metal surface that has been disinfected. **Viruses are so powerful**, they don't go away. We eat them drink them breath them
- And another thing from a doctor we were hearing speak and a lawyer who spoke, you are foolish if you know anything about virology to think wearing a mask is going to help you from a virus. Or to think only a sneeze or a cough spreads virus. First off your **ears collect, and your nose, skin, forehead and your face collect every bacteria and virus you encounter.**

(interviewer) Wait. The guy in the grocery store in full scuba gear, was probably better protected than anyone.

- He was doing it properly. Goes in your ears, eyes, hair, clothes. Someone from Hawaii said I just realized coronavirus 19 can exist on clothes for days, we all need to go naked while wearing our masks. Keep your mask on but go naked because your clothes have it on it.

(interview) too much trauma in the grocery store. Let's get on track. You have written a little piece which we will place under audio outlines the crimes of Bill Gates as you see them, bullet through that thing

- I grabbed the stuff in that article and few other things – I read the article, **it needs to be visual**, it needs to be a meme – one page show evil of Bill Gates, the details were too lushes and juicy. I put in bold the things you wouldn't want to miss. The bottom line is the following:
- Two people in Britain and America work together like Punch and Judy, that would be **Chris Witty controls all the Health departments in England** and the one jerk who controls the National Institute of Health because he has been around the longest, that would be **Anthony Fauci in America**, those two are totally **paid off by Bill Gates, that is a fact hundreds of millions**, given award you can be given, it is like their Rockefeller or something you know, totally in control, openly in control of what? Vaccines, the only thing they can work on because since 1960s can't work on bioweapons, so Fort Detrick was supposed to be closed down in America, nonsense nonsense, it went to **big Pharma, went to Bethesda and got more vicious. Then InQtel got it farmed out to CAIC and everybody else, Leidos and L3. Everyone gets involved in this because they kill people these are bioweapons.** You better believe that US military black ops has never backed off for one second of full development of what they would call creating deterrence to what other countries might create.
- So we pointed out it went into corporations. It specifically came out of what was the **Burrows Wellcome** drug company and they were then given **cover through propaganda** by the Empire Press Union which became the BBC and every newspaper in Britain then became all wireless, all radio and television and then that spread through Marconi then that spread to America with RCA and the traitor General Sarnov (trader).
- So, you can **follow this very clearly the propaganda to tell people that the insanity of vaccinations and what they call immunisations, to make you immune to it, it doesn't make you immune to it, it gives you the live virus.** That's what people need to breakdown.
- Let's look at what the doctors tell you. The doctors tell when you come in oh you have a virus nothing I can do. You say give me a pill, they say I can't give you antibiotic because it is for bacterial infections not for viral infections. You say give me a pill, or I can't leave doctor because I am an American I think that I have to have a silver bullet or golden pill or something. Please give me a pill. So the doctors give out the pills. Basically the bacteria in hospitals so voracious so virulent and so unstoppable there are new forms of bacteria that basically eat human flesh, that do horrible things to humans. Why was that

created? Because doctors gave out, the only thing they ever had, penicillin and all of its new forms and anti-bacterial stuff. They always said there is nothing can help you when you have a virus that is such a lie.

- Now it is true some that some of the modern, **what gets most people influenza that is a virus, colds that is a virus, those are both coronaviruses**, they are going to tell us they come from animals in some magical way.

(interviewer) speak to that. We had a reader or listener why can't it jump from animal to human? Again he doesn't believe you.

- Then he needs to go to Wikipedia and do his homework.

(interviewer) I think he is sincere in his question. So could you address it?

- His question is silly. There has **never been a case where there has been a species jump** of dormant virus, get this dormant virus. Now if the animal had an active virus and you are its keeper you may get that virus. It is a zoonotic infection. Basically yes if you work in a zoo you can catch all kinds of crazy stuff, but does that mean that it went in and changed your cells that the dormant virus or even **active virus was now going to be able to tell your cells that all your cells should accept the virus**, that can only come from a **laboratory manipulation** through RNA and the way that the sequencing of DNA happens when a cell divides. This is recombinant DNA. Where they go in and they do custom made DNA. We know coronavirus has **3 markers for AIDS**, the marker for **Ebola**, the marker for **SARS**, many markers for **coronavirus**, the markers for **Swine Flu** – **so all these were put into the virus that we are calling coronavirus.**
- So where did the **first samples came from?** The people in China who did genome decoding taken from them actually, basically it as **industrial espionage** that is where we got the first sampling, ok. So if you talk about ground zero where this virus went out that is all we have. There was no zero person there was **no beginning person who had this.**
- There was actually a person in 2012 that had virus that looked exactly like this. It is possible bioweapon was being worked on in **2012** and did get released, and someone in Saudi Arabia yes they do bioweapons, because why? They are our good buddies. This person came in with it and it looked exactly like what we see. It was kept.
- **They keep everyone of these deadly viruses they keep them in BSL level 3 or 4** and the **Wuhan laboratory is level 4.** It had just been approved by World Health Organisation and by National Institute of Health and Tony Fauci himself went there and has been working with **Wuhan laboratory and their bat research** since the beginning. A matter of fact he **funded** them after a huge donation from the **Bill & Melinda Gates Foundation** to the National Institute of Health **specifically through Fauci** he gave money to Wuhan laboratory the very one where Dr Qui doing her open research on manipulating **ancient viruses in very obscure bats.** And they try to tell you it is the bat keepers, no these bats were the bats that were the most obscure of all, not the ones they were eating, not the bat keeper, they don't eat the bat the bat keepers the ones in the caves in China. They get the Gjuana it is worth so much money they grow things on it. So **they worship these bats they don't eat them.** If there was a live virus that was connected by a human the human would have it, they wouldn't pass it on to other human beings, and if that ever happened it would be the first time in history.
- That is the **lie they propagate, the war on us in our bloodstream through the war lords of vaccines the vaccine warlords. This is one of the worse attacks in human history** because it is not one country on another or even an alliance of countries on an alliance of other countries, no it is a global.
- Bill Gates wants to make sure to **brand everyone of you in some digital way**, so that he can, he and his vaccine police on the street will be able to check your branding. Literally these are **digital tattoos** or they can put in RF implants or all kinds of wetwork(?) and they will checking to see if you

have your vaccines up to date. Because they are looking for the ultimate Vaccine X. **That is what Bill Gates is after Vaccine X.**

- He and the Queen, the Privy Council, the Carlyle Group, Pirbright Institute, the National Institute of Health, the World Bank, the World Health Organisation (WHO), the CDCP (they never mention the P part 'prevention'), they don't want to prevent anything they want to control disease. The Center for Disease Control, that is what they call it right. They **create disease and they control it**, that is correct. They never say they are into prevention because that is why they don't allow any of the many many dozens of treatments of viruses, that is what gets me upset. I know from all kinds of different ways to treat viruses and be very effective.
- The doctor that we are talking about Dr Buttar said he has **two methods of treatment** if the person comes in and supposedly has coronavirus –

1) takes 1.5 hour and it is over and

2) the other takes 1.5 days, and it is over, simple coronavirus

- They have, not only, as we have pointed out, Gilead has a treatment for all coronaviruses so perfected its called **remdesivir** and they have others for other specific illnesses that are created by Anthony Fauci own horrifying work by using AIDS patients, that he makes sure that AIDS never gets healed cause he is looking for a vaccine and not a treatment. And ACT and other drugs that he and Dr Burkes have approved all this time are the most expensive drugs in human history. That is the reason they **don't want a cure for AIDS** they don't want to tell you that **they gave it out in the smallpox and hepatitis B vaccinations** at the **World Health Organisation** called for when they demanded a retrovirus to get rid of, **to depopulate the world**, which used to be discussed openly in the United Nations. That their **major agenda was depopulation**, it still is occasionally. Bill Gates has literally given millions of dollars to the United Nations for depopulation. Matter of fact, he brags that he and his new program for Africa is killing 10-15% of the population of Africa through all the vaccinations. That is why he is being sued. That is why we made a list of it because we saw in this article in some of the British information and the American information we usually see, putting it together shows you the truth. The truth is Bill Gates is a lap dog is a vaccine warlord lap dog for the Queen of England the Queen of England makes money out of every vaccines given in America through her company, which at one point was **controlled by Burrough's Wellcome**, then it became Wellcome Trust, then **Wellcome Trust and Bill & Melinda Gates Foundation** gave more money to vaccines than anybody else, it is nothing more than now it has been turned into a group called **GlaxoSmithKline** they are again totally **controlled by the Queen**. They get a piece of every vaccine worldwide no matter whether they produced whether they have the patent on it or not, them and Pfizer. So the **American/British** alliance in the vaccine wars is so profound it is the worst global threat that there has ever been.
- These are **vaccine terrorists** make no mistake about it. If you take any vaccine you are actually **receiving the live virus**. Now just think that through. You don't need a doctor to tell you that that is right or wrong. If you are stupid enough, after you hear this, and go look it up. That every time you get a vaccination and immunization as they call it, which **now are mandatory for our children**, you can go to jail, a fine, or children can be kicked out of school, or they can take them from you.

(interviewer) State sponsored harm to your child and you have no choice. It is like you are cattle.

- The state will take your children through child protective services.

*I told you years ago we are the Queen's cattle and everybody laughed. Now it turns out to be true. They want to brand us, tattoo us, immunize us, all for the sake of our health when it is not **it is about control**. When this thing is over we need to sue that b****h because it is her company that has wrought the economic disaster in America, it started with her overthrow attempt of Donald Trump, it didn't work so now the hell with anything, the whole world is going down because the Queen did not get her way and so we are finished with that we need to go over to the Monarch and seize all their wealth, because we fought World War I and II for these people. You can never replay the lives that were lost that we gave to preserve your way of life. But we full well need to be repaid. It (insensed) ... will people ever wake up for this?*

- Instead of the British blaming the Chinese for the coronavirus. We need go after the British for our No. 1 industry in America. The most money we spend each year is on medical concerns, that doesn't even count insurance. So just on the practice of our hospitals and our doctors. Most of them are based upon the bad medicine of the **British drug companies** that infused themselves into groups like the Center for Disease Control and Prevention and the National Institute of Health and **convinced them that the World Health Organisation** is the ultimate voice on all things having to do with the only prevention there is, the only thing there is immunizations and vaccines, why?
- Because the **CDC owns 56 vaccines**, they make **\$4.1 billion on those vaccines** they make no drugs. They are protected they are **not a government agency** they are protected by government agencies, through courts, vaccine courts, that exonerate them of any responsibility whatsoever. And pharmaceutical companies you can't even sue them you have to sue the CDC and the people who own the patents and **you will not win**. We know and they know it used to be 1 in 10,000 that had reactions to the vaccines now it is **1 out of 32**.
- They know this, everybody knows this, they are amping it up they are making it mandatory and literally going to make it a **police state** based on vaccines because it is the whole global control.
- Once they give you the vaccines you **stop thinking**, you can be turned into a **automaton** from one **bad reaction to one single vaccine**. That is a fact I've know people who have been turned into vegetables from one single vaccine.

(interviewer) People already see it. When you are talking to young people and there is a density in their aura and nothing is getting through. This is because they have the inability to think imaginative thoughts.

- Now Bill Gates through Microsoft knows that Facebook and all the other social medias and what he is doing is the **hypnotizing of the world through the digital domain** where evil exists. He has them so distracted, and for a while, with sports and Hollywood and entertainment and the power and all the gadgetry, we have through the devices, oh my gosh but now he has you distracted.
- Because we aren't distracted by all these things, people are looking at him and saying what the heck, he is **not a doctor who put him in charge?** Why does he have an opinion? Who cares? What he is wanted in many countries for being a murder, he is a mass murderer, he is a **genocidist**, he is proud of his **pogroms** in India and in Africa, he is proud of them. He is a imbecile. He never did anything good ever. So all you have to do to find evil is to look at what he has done, look at where his money has gone who its gone to and what it has been for. You will find it is the same agenda and objectives that his father had which is depopulation and making sure what they call indignant populations are simply **wiped off the face of the earth** so that the **elite will have more space to breathe**. They believe that now it is not by war and through banks supporting both sides of the battle. First off, banks start the battle, then they support both sides of the battles and the wars, then they win and go after and fleece the country that loses and charge interest to the country that wins, it is odious debt they can't pay, that is the old system.
- The new system is pay the most money there is on the face of the earth for anything including uranium and plutonium.

- No no no there have drugs now, that these people have China make for us that are the most expensive things on the earth. They are killer drugs like phentanol they are all, we don't know what the Chinese put in these drugs and the inactive substances in all of our **pharmaceuticals**.
- The pharmaceutical companies make huge amounts of money for doing nothing, they are middle men, they don't even make the drug, they don't own the patents this is a **scam**.
- Scam is the word they do not want you to say on the internet vaccines. They will call you an **anti-vaxxer because you don't believe in the science of putting 5-6 poisonous metals into your child's body in overdoses that human often has to go to the hospital** for, if given to an adult, but we give it to children whose immune systems aren't even developed. No what we have is a war, a **global war** it is in **your blood stream**.
- It is the same of people running it, it goes right back, unfortunately, to the last remaining powerful crown, the **monarchy** of Britain. And the ways they learned through the bankers the venetian bankers, the Vatican bankers, the Jesuit methodologies they incorporated in their groups called the **Pilgrim Society, the Fabian Society, Cecil Rhodes Roundtable, Milner's Roundtable, the Royal Institute of International Affairs, the Council on Foreign Relations, the Inquiry, the League of Nations and now the United Nations** and everyone of its groups. **Every single one is corrupt**.
- For instance the blue hats people (UN Peacekeepers) think I am hard on them because they are peacekeepers, last year **60,000 rapes**. What did they do, they defended it. They always do they get caught every year. They give you a number of how many people the blue hats raped. What happens. Nothing happens. They are **British globalists** that are in control. We need to sever with them.

(Note: Author of report: I can confirm rapes by UN peacekeepers I was told by a Rotary Peace fellow in the Congo that women are raped when employed in the United Nations. She told me it is common. I was shocked. No accountability is the key message in this report)

- The World Health Organisation has nothing to do with health. UNICEF has nothing to do with educating children. The World Bank has nothing to do with helping underdeveloped countries. It is all a lie. The International Monetary Fund is not that. **Every single organisation there is a communist socialist, Fabian society, total leftist, progressive, take down America, globalist, New World Order group..everyone knows that**

(Interviewer) You forgot to say sponsored by the American taxpayer. We are the ones funding these groups because our Congress people are so corrupt they keep voting to fund them.

- It is convenient because the same people who go there give money to the US Chamber of Commerce to make sure the Senate and the House of Representatives are given the money they need each year. So it is the **foreign countries that have bought us out lock stock and barrel**. China had controls in everything in America from military to corporations to everything.

(interviewer) we must stop all foreign aid out for a while. Because what is happening it is going out and then it is turning against us

- Trump needs to do the following. If China does not admit culpability, not for releasing the virus **we told you who released it**, but for their lies. Then they need to be taken down from most Favoured Nation Trading status. Trump needs to take down China by removing from them from the list of Most Favour Nation Trading status, taking them out of the World Trade Organization altogether even in the status they are at, make sure they are not in the International Money fund. End all association economically with the United Nations and that would end most of this nonsense we should not be doing business with them, they are the worst nation on the face of the earth, they kill people every day without any morality whatsoever.

- The Communist Party is the communist party in China, it is **dictatorial totalitarianism**. Now because of **Eric Schmit Dragonfly** and because of his new open source in China. He tried to sell America out, tough luck, Trump beat him, and Eric Schmidt came back with his tail between his legs saying oh I didn't activate Dragonfly in China. When China bragged the next day and say **yes they certainly did activate the social credit system that was called Dragonfly yes that Eric Schmidt did create for China** so they could have a **digital dictatorial totalitarian** communist government. We need to have no business with Eric Schmidt done. He is a treasonous person.
- Same thing with Mark Zuckerberg, don't get me started, with all of the cardboard Silicon Valley cut outs, they all rushed to China, thinking they will make a ton of money because Henry Kissinger said that where the next. That China had become the next economic force in the world. Wrong. They become it by vampirising America because of Kissinger's CFR bad advice for the last 3 decades. So what is really going on Mr President? As we told you, we are glad you kept it under wraps, simply being sanctioning them and doing a terraform with them, and an IP war with them, a currency war with them. Winning all the wars. The deal is you and I both know Sir we are at war with China. China comes across our southern border, one of our biggest egregious offenders and most effective and biggest egregious offenders of penetrating our southern border and pregnant Chinese girls they send them here, especially when they do find out they are **not the right sex** and the child has to die, the Chinese women are literally boarded on a boat and taken to Mexico and they come across the border, you will notice the signs are in Chinese, phone right there in Chinese which says "pick this up if you are pregnant and need help". The point is we are at war with China, we shouldn't do any business with China at all until they can start to be **honest**. Right now the whole world who did business with the One Belt One Road is finding out that China is simply communist terrorist. Better, as Hillary Clinton jumped out of China and went to Russia, better to do business with Putin then to do business with Xi.
- I want to say that Bill Gates when someone suggested at he may be the true incarnation as this demon or Satan or aramon, incarnated at this time, 666, wrong he is an i***t.

(interviewer) To many people competing for that. Way too many. I have no idea. The anti-christ the being they refer to the aramon, beyond the comprehension that we have at this time to understand.

- You'd have to mix a George Soros, Bill Gates daddy Gates, baby Gates, mix Henry Kissinger, mix dictatorial like little Kim, mix a nice imam who runs a country if he says death to Americans, everyone has to work on death to Americans, perhaps a little mix the President of Turkey, make sure you take the head of the EU and mix whatever monarchy still exists because anybody who thinks that their **bloodline** makes them connected to the divine world through the divine right of kings and queens mix all together that would be the evil that is incarnating.
- Bill Gates is an i*****e he simply does as he is told. Simply listen to him. He is proud to go out and expose himself to every disease and virus on the earth so he can promote these vaccines. ***** Him and his family and his elite friends don't get the vaccines, that is a fact, **Silicon Valley their children don't use those evil devices.**
- So folks I am sorry if this is the **big red pill**, Bill Gates like George Soros must be considered national security threat and a terrorist.

5.0 A BRAVE NEW WORLD

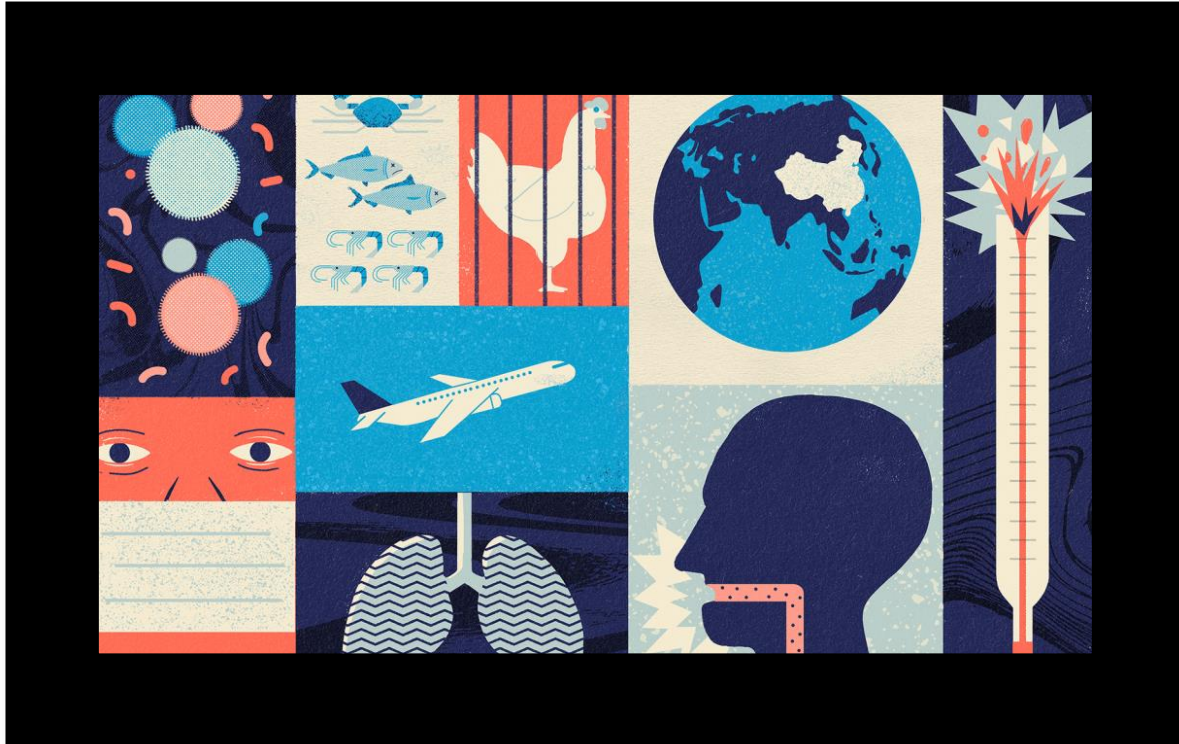
5.1 COVID-19(84): Birth of a Brave New World

The struggle for freedom is the engine of history, and as humanity experiences the most significant world shift since 9/11, the freedoms described in this great struggle are fading.



By [TOTT News](#) in [Editor's Picks - Top 25 \(Chronological\)](#), [New World Order](#), [Videos](#) on [May 21, 2020](#)

14 comments



What can scenes witnessed over the last few months tell us about the **future path of the world**? Will society return to 'normal' or is the COVID-19 saga simply a stepping stone for a greater agenda?

In the following, we examine deeper themes behind this international transformation, including Orwellian features of the narrative, the 'new normal' coming for society, **Aldous Huxley's 'prophecy'**, the future Brave New World Order system and more:

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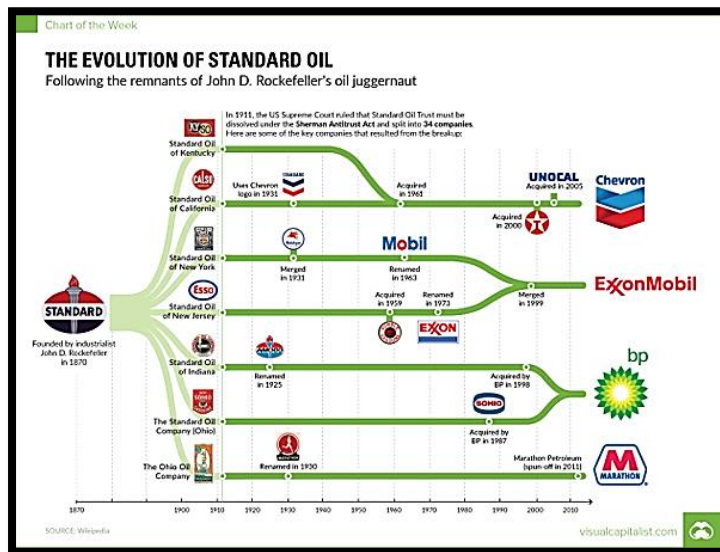
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5.2 Eugenics

5.2.1.1 Foundation a Standard Oil Health Agenda⁶

Rockerfeller Foundation Health Agenda



Although no longer the only philanthropic institution equated with global health, the **Rockefeller Foundation** (RF) has marked the field like no other organisation. Incorporated a century ago this month, the RF established health cooperation as a legitimate intergovernmental and private agency endeavour, and shaped the principles, practices, and key institutions of the international health field. Unlike media-savvy global health actors today, the RF did not flaunt its role but often remained behind the scenes: we might liken its pervasive influence to its eponymous founder's own work style, as observed by his longtime secretary in 1925: "He's never there, and yet he's always there".

The RF was established in 1913 by Standard Oil magnate John D Rockefeller **"to promote the well-being of mankind throughout the world"**. His efforts were part of a new American movement of "scientific philanthropy", launched by Scottish-born steel mogul Andrew Carnegie in his 1889 essay "The Gospel of Wealth". This approach called for the wealthy to channel their riches to the good of society by replacing individual charity with support for systematic social improvement, which was conducive to order, productivity, and secular advancement. In the tumultuous Progressive Era of the early 20th century, many contemporaries regarded philanthropy as a cynical use of exploitation-derived profits to counter the threat of working class unrest and growing political radicalism. These philanthropic efforts helped stave off the welfare state in the USA and gave private interests considerable purview over social welfare.

Rockefeller built upon Carnegie's ideas, expanding from initial hospital, church, and university donations to cover public education, medical, and scientific spheres. Public health became the ideal vehicle through which Rockefeller philanthropy could apply scientific findings to the public good. **Rockefeller's business, scientific, and philanthropic advisers** Frederick T Gates, Charles Wardell Stiles, and Wickliffe Rose perceived anaemia-provoking hookworm disease to be both a key factor that explained the economic "backwardness" of the USA's southern states and an impediment to its industrialisation. These men helped orchestrate the Rockefeller Sanitary Commission for the Eradication of Hookworm Disease that operated from 1910 to 1914. This campaign uncovered the possibilities of public health in eliminating the disease through an anthelmintic drug; the promotion of shoe-wearing and latrines; and public health propaganda. Following this success, the RF created an International Health Board, which was reorganised as the International Health Division (IHD) in 1927.

⁶ <https://www.thelancet.com/journals/lancet/article/PIIS0140-6736%2813%2961013-2/fulltext>

The IHD—which had a sizeable bureaucracy including an executive staff and advisory board in New York, as well as field offices in Paris, New Delhi, Colombia, and Mexico, and hundreds of in-country officers—befriended dozens of governments around the world by **tackling diseases deemed to cause underdevelopment**, helping build and modernise health institutions, promoting the importance of public health among countless populations, and preparing vast regions for investment and increased productivity. It also funded schools of public health in North America, Europe, Asia, and South America, including at **Johns Hopkins, Harvard, Toronto, and São Paulo universities, and the London School of Hygiene and Tropical Medicine**⁷, and sponsored **2500 public health professionals** to pursue graduate study.

By the time of its dismantling in 1951, the IHD had spent the current-day equivalent of billions of dollars on scores of hookworm, yellow fever, and malaria campaigns, as well as on more delimited efforts against **tuberculosis, yaws, influenza, rabies, schistosomiasis, malnutrition**, and other health problems in some 93 countries and colonies. RF disease campaigns tended to be run with business-like efficiency: specific interventions were planned with measurable goals and results regularly reported to the central office, serving to hold field officers accountable as well as to quantify progress in quarterly reports reviewed by trustees, who were leading men from the worlds of medicine, education, and banking.

The RF's genius rested in its ability to turn disease campaigns into permanent public health agencies supported by local constituencies. With its own field officers stationed in virtually every setting where it operated, it could rely on a well-honed staff to infuse—often in the face of resistance and refashioning—its particular ideas and approaches into local efforts to **institutionalise public health**. To be sure, the RF was a complex institution that changed over time, responding at different moments to certain senior staff and board members, counterparts in the field, and a shifting political terrain. It also met with local and institutional adaptations and sometimes even embraced challenges to its efforts. It had powerful local interlocutors in the thousands of public health doctors, nurses, and engineers it trained as fellows: **moulded as a cadre of public health leaders, fellows were encouraged to bypass local healers and knowledge and affiliate with international colleagues**. The RF carefully avoided disease campaigns that might be costly, overly complex, time-consuming, or distracting to its technically oriented public health model and its focused means of measuring success.

One of the most cited RF accomplishments was yellow fever control, which involved extensive campaigns across Latin America to reduce the presence of the *Aedes aegypti* mosquito vector through insecticide spraying, drainage, use of larvicidal fish, and the development of the Nobel prize-winning yellow fever vaccine in 1936. Ironically, this was far more a success for international commerce—given that the yellow fever virus was transported alongside cargo and was lethal mainly for those previously unexposed, not where the disease was endemic—than for local health. The IHD itself identified its most important contribution to be “*aid to official public health organizations in the development of administrative measures suited to local customs, needs, traditions, and conditions*”. Thus, the RF's self-defined gauge of success was its role in generating political and popular support for public health worldwide, and advocating for and sustaining the institutionalisation of international health.

In the 1990s, it created Public Health Schools Without Walls; launched a Health Equity initiative; and largely invented the model of public-private partnerships that is now so omnipresent in global health. But the RF would not recover its earlier influential role in international health.

The IHD's demise served as a self-fulfilling prophecy of success: thanks to its own efforts, it was no longer needed. But this was no death knell for **Rockefeller international health**. The principles that were pioneered by the RF and infused in the IHD's country dealings have left an enormous—if sometimes problematic—legacy for global health. These principles include agenda-setting from above; use of budget incentives; a technobiological paradigm; narrow interventions to maximise efficiency and success; consensus through transnational professionals; and adaptation to local conditions. While these are arguably generic principles, their durability reflects what Steven Palmer has called “marked asymmetries in political and medical power” that characterise most international health interactions, then and now. The RF also diverged at times from its own principles, funding studies of universal health insurance and supporting certain social

⁷ *Receives funds from the Bill & Melinda Gates Foundation*

medicine efforts that integrated the sociopolitical conditions underlying health with overall public health work. But these were accompaniments to, rather than at the core of, the RF approach to international health. The RF principles have continued ideological salience and bureaucratic convenience, as witnessed in the structure, strategies, and tenets of the global health field today.

Rockefeller Foundation hookworm headquarters in Purification, Colombia



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Today, of course, we cannot discuss health philanthropy without invoking the Bill and Melinda Gates Foundation, which has emulated the RF's technically oriented approach to health. Yet both foundations currently differ from the RF of yore. In the past, the RF championed public responsibility for public health and was open to wide-ranging discussions. More recently, the RF, having reinvigorated its global health role, has expressed support for universal health care coverage but only through "**harnessing the resources of the private sector to finance and deliver health services**". The RF also promotes "**impact investing**", inducing venture capitalists to "address social and/or environmental problems while also turning a profit". Perhaps the marking of the RF's centennial will stimulate internal reflection, inducing the foundation to return to its historic aims of broadly improving wellbeing, rather than generating profits for investors.

5.2.1.2 Rockefeller & WHO Abstract

A. Backstage The Relationship Between the Rockefeller Foundation and the World Health Organization, Part I: 1940s-1960s

A-E Birn ¹ <https://pubmed.ncbi.nlm.nih.gov/24412372/>

Affiliations Expand

- PMID: 24412372
- DOI: [10.1016/j.puhe.2013.11.010](https://doi.org/10.1016/j.puhe.2013.11.010)

Abstract

In recent years, there has been a growing debate about what role foundations should play in global health governance generally, and particularly vis-à-vis the **World Health Organization** (WHO). Much of this discussion revolves around today's **gargantuan philanthropy, the Bill and Melinda Gates Foundation**, and its sway over the agenda and modus operandi of global health. Yet such pre-occupations are not new. The Rockefeller Foundation (RF), the unparalleled 20th century health philanthropy **heavyweight**, both **profoundly shaped WHO** and maintained long and complex relations with it, even as both institutions changed over time. This article examines the **WHO-RF relationship from the 1940s to the 1960s**, tracing its ebbs and flows, key moments, challenges, and quandaries, concluding with a reflection on the role of the Cold War in both fully institutionalizing the **RF's dominant disease-control approach** and limiting its smaller social medicine efforts, even as the RF's quotidian influence at WHO diminished.

Keywords: History of international health; Philanthropy and health; Rockefeller Foundation; World Health Organization.

<https://pubmed.ncbi.nlm.nih.gov/24412372/>

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. 2015 Apr;70(2):279-311. doi: 10.1093/jhmas/jrt074. Epub 2014 Feb 26.

Abstract on the Rockefeller Relationship with NIH and Funding

B. The Origin of the Medical Research Grant in the United States: The Rockefeller Foundation and the NIH Extramural Funding Program

[William H Schneider](#) ¹

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- PMID: 25862750
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Abstract

The establishment of **National Institutes of Health** (NIH) extramural grants in the second half of the twentieth century marked a signal shift in support for medical research in the United States and created an influential model for the rest of the world. A similar landmark development occurred in the first half of the twentieth century with **the creation of the Rockefeller Foundation and its funding programs for medical research**. The programs and support of the foundation had a **dramatic impact** on medical research in the United States and globally.

This paper examines **early connections** between these two developments. The NIH grants have usually been seen as having their roots primarily in the government programs of the Second World War. This article finds **direct and indirect influence by the Rockefeller Foundation**, as well as parallel developments in these two monumental programs of support for medical research.

Keywords: Alan Gregg; Cassius Van Slyke; National Institutes of Health; Public Health Service; Rockefeller; Warren Weaver; grants; philanthropy; research.

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5.2.1.3 Rockefeller and the Eugenics of Imbalance

Cultural Marxism: The concepts of eugenics were **not exorcised from Western thinking** following World War II, rather, they went underground or and were reinvented by assuming more “**compassionate**” guises.

Julian Huxley’s significant contributions to the movement ensured that the underlying notions associated with eugenics would transform and continue into **new social movements**.

During the 1950s, these groups would re-define eugenics as ‘**socially progressive**’, with linkages to the newly formed and comprehensive welfare states that offered ‘**solutions**’ to **poverty and disease**.

The Rockefeller Foundation heavily financed the **modern eugenics movement** and think-tanks such as the **Tavistock** Institute would give birth to many influential individuals and ‘social’ organisations.

Huxley adeptly associated the ‘new and modern’ eugenics movement with a range of reformist ideologies, such as the popularisation of **birth control**, the **decriminalisation of homosexuality and abortion law** reform. He described this process as **“eugenic modernisation”**.

The basic premise remained the same, however: it is **far easier to eliminate the poor and the suffering**, than it is to **eliminate the complex and tenacious sources of their poverty or their suffering**.

5.2.1.4 Rockefeller U team touts a potential psoriasis 'cure' from Boehringer⁸

by [John Carroll](#) |

Mar 17, 2015 7:01am

Psoriasis has attracted a big pack of rival drug giants anxious to be in the lead with a **new wave** of better, **targeted therapies** for legions of patients. But a team of investigators at Rockefeller University say they just scored early-stage data on a **new drug from Boehringer Ingelheim** that promises to offer a **potential cure** with a more durable therapy.

The drug is **BI 655066**, which **inhibits IL-23**--a popular target in the psoriasis field. The investigators say that in a study involving 31 psoriasis patients, the drug produced a "rapid, substantial, and durable clinical improvement in patients with moderate-to-severe psoriasis. "Over the 6 weeks of the small study there was a greater than 80% improvement in the signs and symptoms of the disease. And if the small study holds up in larger studies, the team believes that it could offer a cure for many patients.

"The striking result we achieved using a **human antibody that targets the signal interleukin-23** suggests we are on the threshold of doing something very different from our current model of treating psoriasis with **immunosuppressive drugs** throughout an adult lifetime," says study author James Krueger, director of the **Milstein Medical Research Program**, D. Martin Carter Professor in Clinical Investigation and head of the Laboratory of Investigative Dermatology. "It raises the possibility of working toward long-term remission--in other words, a cure." The *Journal of Allergy and Clinical Immunology* published the results on Thursday, March 12.

Actually, the old treatment model is being quickly overtaken by a **new generation of antibodies**, led by **Novartis'** (\$NVS) newly approved Cosentyx (secukinumab), which targets IL-17. And **Eli Lilly** (ixekizumab) along with a team from **AstraZeneca/Amgen** (brodalumab), **Johnson & Johnson** (guselkumab) and **Merck** (also focused on IL-23 with tildrakizumab) are hot on Novartis' heels with new therapies that look like they'll be very competitive with high response rates. To be competitive with that group another therapy would have to prove much more durable with better cure rates, which is what Rockefeller seems intent on.

According to ClinicalTrials.gov, BI 655066 is currently in a **48-week Phase II study** that is slated to be fully wrapped by August.

⁸ <https://www.fiercebiotech.com/research/rockefeller-u-team-touts-a-potential-psoriasis-cure-from-boehringer>

5.2.1.5 Rockefeller Students: Laboratory of Genetically Encoded Small Molecules⁹

Note: University of Queensland has links to the Rockefeller Foundation. The following are post doctoral students working on biotechnology at the Rockefeller Foundation, a prime mover in Biotechnology.

Lab Members

Head of Laboratory

Sean Brady, Tri-Institutional and Evnin Professor

Laboratory Members

Paula Calle, Laboratory Manager

Olivia Pilling, Research Assistant

I earned my BA in Biological Sciences from Smith College. In the Brady lab, I construct and sequence metagenomic libraries from soil samples from around the United States alongside my fellow Research Assistant Carolina. I am currently one of the resident bakers and cupcake connoisseur.

Carolina Santamaria, Research Assistant

I received my BA in Biochemistry from Hunter College. Joined Brady Lab in 2017, I am currently working on the construction and sequencing of metagenomic libraries from our collection of soils. Outside the lab, Olivia (see above) and I are on the search for the best NYC cupcake.

Melinda Ternei, Research Assistant

Christophe Lemetre, Bioinformatics Specialist

After completing my Ph.D. in Machine Learning approaches in the context of gene expression from microarrays in breast cancer context, I came to the U.S. for a postdoc in a computational lab of the department of Genetics at the Albert Einstein College of Medicine in the Bronx. I then went on to do a second postdoc at Memorial Sloan Kettering Cancer Center in a Pathology lab before moving to a staff position in the sequencing facility of Memorial Sloan Kettering. From there I joined the Brady Lab in January of 2016.

Louis Cohen, Guest Investigator

Andreia Estrela, Postdoctoral Associate

After my Bachelor and Master studies in Molecular and Cell Biology in my home country Brazil, I moved to Germany, where I earned my PhD degree in Microbiology at the University of Braunschweig. My main research interest is the chemical basis of the interaction between host defenses, microbes, and the environment, and what are the implications for animal and human health. Here at the Brady Lab, I use functional metagenomics and high-throughput image analysis to identify bacterial effectors driving host-microbe interactions in the intestinal human microbiome.

John Chu, Postdoctoral Associate

⁹ <http://lab.rockefeller.edu/brady/people>

I was raised in Taiwan and came to the US for my PhD studies at Scripps Research, California. I am working on a new natural product discovery approach called synthetic-bioinformatic natural product (syn-BNP). It uses bioinformatic algorithms to interpret the biosynthetic instructions encoded by natural product gene clusters and predict the structures of the output molecule; the predicted molecules are then chemically synthesized and screened for bioactivities. Using syn-BNP, I have discovered new antibiotics, antifungal, and anti-proliferative agents from both the soil and human microbiomes.

Neev Antonovsky, Postdoctoral Fellow

As a graduate student at the lab of Prof. Ron Milo in the Weizmann Institute of Science, I used rational metabolic design and directed evolution to engineer synthetic CO₂ fixation pathways in an E. coli host. In 2017 I joined the **Laboratory of Genetically Encoded Small Molecules** where I currently develop sequencing based approaches and **computational tools** to identify biosynthetic gene clusters that encode for novel natural products. In particular, I'm interested in studying the vastly uncharted biosynthetic potential that is encoded in the soil metagenome.

Zhuo Shang, Postdoctoral Associate

After being awarded a PhD degree in marine natural products chemistry at The University of Queensland, Australia in 2016, I pursued my postdoctoral research at Scripps Institution of Oceanography, UCSD to explore new chemicals from marine actinomyces for the treatment of infections and neurodegenerative diseases. In quest of the hidden treasure from unculturable bacteria predominated in soil, I joined the Brady laboratory in 2018 and am currently working on new antibiotics discovered from soil eDNA libraries using sequence-tag based metagenomics approach.

I am a postdoctor in Fenical group at SIO, UCSD. My ongoing projects aim to discover small-molecule therapeutics for the treatment of neurodegenerative diseases from marine bacteria. I am also interested in the biosynthesis and chemical ecology of microbial natural products.

Skills and Expertise

- Antibiotics
- Bioactivity
- Antibiotic Resistance
- Natural Product Chemistry
- Chromatography
- Natural Product Isolation
- Natural Product Drug Discovery
- Microbial Isolation
- NMR Structure Elucidation
- Medicinal and Pharmaceutical Chemistry

Research Experience

May 2020 - present

University of Western Australia

School of Molecular Sciences, Perth, Australia

Position

Research Associate

June 2019 - May 2020

University of South Carolina

Department of Chemistry and Biochemistry, Columbia, United States

Position

Research Scientist

March 2018 - present

The Rockefeller University

Laboratory of Genetically Encoded Small Molecules New York City, United States

Position

Postdoctoral associate

Education

April 2012 - July 2016

Institute for Molecular Bioscience, The University of Queensland

Field of study

Marine Natural Products Chemistry

September 2008 - June 2011

Institute of Oceanology, Chinese Academy of Sciences

Field of study

Marine Pharmacology

September 2004 - June 2008

China Agricultural University

Field of study

Nutrition and Food Safety

Seong-Hwan Kim, Postdoctoral Associate

I have studied PhD course at Seoul National University about natural product chemistry. I have worked on structure determination of secondary metabolites by NMR, mass, spectroscopic analysis, and chemical reaction. I am working on discovering secondary metabolites with anti-gram negative bacteria activity by metagenomic approach from soil.

Vincent Libis, Postdoctoral Associate

I am interested in developing systems and synthetic biology approaches to accelerate the discovery of novel bioactive molecules. I get excited when things suddenly become scalable, systematic, automatable. I completed a PharmD followed by a PhD in synthetic biology at the university Sorbonne Paris Cite (France).

Toshiki Nakashige, Postdoctoral Associate

I earned a B.S. in chemistry and B.A. in art history from the University of California, Berkeley, and a Ph.D. in inorganic chemistry from Massachusetts Institute of Technology. My graduate research focused on metal-binding proteins involved in human innate immunity. In the Brady lab, I study host-microbial interactions of the human intestinal microbiome.

James Peek, Postdoctoral Associate

I earned my PhD in protein biochemistry from the University of Toronto. In the Brady Lab, my project involves the identification and characterization of natural product congeners of clinically relevant antibiotics.

Zongqiang Wang, Postdoctoral Associate

I got my PhD degree from China Pharmaceutical University. In the Brady Lab, my research aims to find novel classes antibiotics from unculturable bacteria found in nature. I am using sequence-based PCR screening approaches to screen soil metagenomic libraries for medically relevant NRPS and PKS gene clusters. The gene clusters are then heterologously expressed in model hosts.

Changsheng Wu, Postdoctoral Fellow

I worked at the interface of chemistry and biology for new bioactive natural products discovery during my Phd. In April 2017, I joined Brady lab and utilized the metagenomics approach for new antibiotics discovery from soil eDNA libraries.

Dominic Colosimo, Postdoctoral Associate

After earning a B.S. in Molecular Biology and Biotechnology from the University of Central Florida in Orlando, FL, I pursued a Biochemistry PhD at UT Southwestern Medical Center in Dallas, TX. During my time in Texas, I primarily studied natural products, derived from marine bacteria, that demonstrated anti-cancer effects against specific sub-types of non-small cell lung cancer. After earning my PhD, I joined the Brady lab and am currently studying the mechanisms by which human-associated bacteria of the gastrointestinal tract interact with their human hosts.

Jan Burian, Postdoctoral Associate

I earned my PhD at the University of British Columbia studying transcriptional regulation of intrinsic antibiotic resistance in *Mycobacterium tuberculosis*. Understanding the need for new antibiotics, my goal is to increase the discovery rate by a two pronged approach. On one side, I am working towards increasing the size of isolated **metagenomic DNA** to allow for direct anti-microbial screening of intact large biosynthetic clusters. On the other side, my goal is to improve the discovery rate through 'hands-free' tandem amplification of biosynthetic clusters to increase product levels to detectable concentrations. I hope to combine both approaches into a single pipeline for rapid, functional antibiotic screening of soil metagenomes.

Frank Piscotta, Postdoctoral Associate

I received my B.E. in chemical engineering from The Cooper Union, followed by my M.A. and PhD from Princeton University. My PhD research investigated topologically constrained lasso peptide natural products, as well as toxin-antitoxin systems responsible for regulating cell growth and stasis. In the Brady lab, my work focuses on the **human microbiome**, specifically the manner in which bacterial small molecules interact with human receptors.

Shawn Whitfield, Postdoctoral Associate

I earned my PhD at the University of British Columbia studying **protein-trafficking** complexes predicted from yeast genome-wide screens. In the Brady lab, I'm interested in adapting the functional metagenomics approach to be more relevant to bacteria of the human gut microbiome.

]

5.2.1.6 How Rockefeller Destroyed Natural Cures to Found Big Pharma

[The Crazz Files April 22, 2018](#)

Many people don't realize how the Rockefeller family has impacted modern society. You've most likely heard the name Rockefeller before, but did you know about their involvement in the **suppression of natural medicine?**

Citizens in the West are privileged with some of the very **best healthcare services** on the planet. Need you ever discover yourself in an emergency situation in a Western country, you'd have a much better chance of receiving the very best healthcare than you would in an establishing nation.

Because of this, we frequently overlook that **healthcare** has ended up being a **multi-trillion dollar industry**. Today's mainstream medicine (or allopathy) prospers on treating ill people with pricey drugs, surgical treatment, radiation, as well as more drugs.*

Lots of people may also not recognize that the Rockefeller household first recognized the opportunity to take advantage of such a hugely profitable ecosystem.

In a world of **Snopes and social media censorship**, anybody who ever questions the intentions of large pharmaceutical business is immediately branded a **"crazy conspiracy theorist."**

Info about the recovery residential or commercial properties of **unpatentable** plants and holistic practices, or the threats of Big Pharma drugs, is quickly branded as **"phony news."**

Just like a lot of other things, citizens have been persuaded into embracing precisely what is **harmful** to them however profitable to someone else.

A Rockefeller plot

This opportunity was first realized by John D. Rockefeller ([1839 – 1937](#)).

Rockefeller was a robber baron, an oil mogul, a natural-born monopolist and America's first billionaire. He controlled **90% of all oil refineries in the United States** by the turn on the 20th century, through his oil company, Standard Oil, which was later on divided approximately end up being **Chevron, Mobil, Exxon, and so on**.

Rockefeller monopolized the oil industry

Around the year 1900, researchers discovered **"petrochemicals"** and realized it was possible to create all sort of chemicals from oil.

The very first plastic, for example, was called **Bakelite** and was made from oil in 1907. Researchers discovered various **vitamins** and presumed that lots of pharmaceutical drugs could be produced from oil.

For Rockefeller, this was an exceptionally financially rewarding opportunity. He realized that he might monopolize the **oil, chemical and the medical industries**, all at when. Because petrochemicals were a brand-new discovery, it could all be **patented** and offered for maximum revenues.

However, there was a fly in the ointment for Rockefeller's strategy to control the medical industry: **herbal/natural medications** were incredibly popular in the United States.

At the time, practically **half** of all medical professionals and medical colleges in the United States were practicing holistic medication, using understanding from Europe and practices used by **Native Americans**.

Problem – Reaction – Solution

Rockefeller was a monopolist, so he knew he had to get rid of his most significant competition. To do this, he used the time-proven strategy of "problem-reaction-solution."

This concept works by developing an **issue to terrify individuals, then offering a (pre-planned) solution**. (Similar to terrorism scare, followed by the "Patriot Act"). A quote from John D. Rockefeller on the American workforce To formulate his scheme, he sought help from a veteran associate, and fellow plutocrat, **Andrew Carnegie**, who had made his money from monopolizing the steel industry.

The prestigious Carnegie Foundation sent a guy called **Abraham Flexner** to take a trip around the nation.

He was tasked with reporting on the status of **medical facilities and medical colleges** around the United States.

This brought to life the **Flexner Report**, which led to modern medication as we understand it today. Naturally, the report declared the need for revamping and the **centralization** of medical institutions. Over half of all **medical colleges** were soon closed following the report.

Homeopathy and natural medications were **demonized and buffooned**, with some medical professionals even imprisoned.

Rockefeller donated more than \$100 million to colleges and medical facilities to help with the transition and change the minds of other researchers and doctors.

He also founded a **philanthropic** front group called "General Education Board" (GEB).

David Rockefeller died in March 2017

Carrot and stick

Medical colleges were soon all **structured and homogenized**.

Students were all finding out the same thing, and medicine just included utilizing patented drugs.

Scientists likewise received **considerable grants** to study the recovery residential or commercial properties of plants and how they **cured** diseases. But their job was to recognize which chemicals in the plant worked so a similar compound might be recreated and after that be **patented**.

The Rockefeller dynasty is **one of the most powerful families** on the planet "A pill for an ill" rapidly became a mantra for modern-day medicine.

100 years later medical colleges are producing doctors who understand absolutely nothing about holistic practices or the benefits of nutrition or herbs.

Corporations have enslaved a whole society **for its "well-being."**

The American Government invests **15% of its Gross domestic item** (GDP) on mainstream health care. The system focuses just on symptoms and not treat, producing a never-ended flurry of repeat paying clients.

There is no recognized remedy for **cancer**, autism, diabetes, asthma, or perhaps influenza.

This is a **system developed by oligarchs and plutocrats, not by physicians**, so why would there be real remedies?

Curing these profitable illnesses would simply be bad for business.

And on the topic of cancer, the American Cancer Society was established in 1913 by guess who?
John D. **Rockefeller**.

Source: <http://woked.co/rockefeller-natural-cures-big-pharma/>

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5.2.2 The Gates Family, Eugenics and COVID-19¹⁰

Supporters of eugenics believe people inherit mental illness, criminal tendencies and even poverty, and that these conditions can be 'bred out' of the human gene pool through forced sterilization. Not surprisingly, 'undesirable' traits were concentrated in poor, uneducated and minority populations.

What is the true story behind Bill Gates and his family? Should we **trust his COVID-19 advice**?

Bill Gates, through philanthropist projects, has been positioned as a likeable, mild-mannered figure, who expresses his ambition to improve the health of the world through new vaccine development and technological innovation.

Closer investigation reveals the Gates family has **documented ties to reinvented eugenics movements** of the modern age and the work carried out by their organisation shows ulterior motives contrary to saving lives.

In the following, Ethan Nash examines links between COVID-19 'solutions' and social **eugenics movements**, including Bill Gates Snr and Planned Parenthood, the Gates Foundation and philanthropy deceptions, vested vaccine interests and engineering a pandemic.

THE EUGENICS MOVEMENT

In the late 19th century — a critical time in development of the sciences — British scholar Sir Francis Galton, in his book *Inquiries into Human Faculty and Its Development*, coined the term 'eugenics'.

Galton, whose cousin was Charles Darwin, hoped to 'better humankind' through the 'science of improving the human species' by selectively mating people with specific desirable hereditary traits.

Decades of research on '**controlled breeding**', including through means of sterilization, soon became accepted mainstream science at the turn of the century and the eugenics movement was born.

Supporters of eugenics believe people inherit mental illness, criminal tendencies and even **poverty**, and that these conditions can be '**bred out' of the human gene pool through forced sterilization**. Not surprisingly, 'undesirable' traits were concentrated in poor, uneducated and minority populations.

Many professionals in the scientific and biological fields rigorously researched ways to 'improve the human race' through means of **eliminating these 'negative traits'**, and the movement would soon garner widespread political support — particularly in Australia.

As we have explored, the likes of **Professor Richard Berry** and growing Eugenics Societies of NSW and Victoria played a pivotal role in mass campaigns for laws allowing the establishment of a "**lethal chamber**" to euthanise what these groups called "the grosser types of our mental defectives".

Following World War I, numerous eugenics-based ideologies were beginning to enter mainstream societies across the world. However, **after Hitler would adopt these concepts and implement an aggressive form** of the concept, the world grew sour and a new change was needed to continue.

CULTURAL MARXISM

¹⁰ <https://tottnews.com/2020/04/09/gates-family-eugenics-covid-19/>

The concepts of eugenics were not exorcised from Western thinking following World War II, rather, they went underground or and were reinvented by assuming more “**compassionate**” guises.

Julian Huxley’s significant contributions to the movement ensured that the underlying notions associated with eugenics would transform and continue into **new social movements**.

During the 1950s, these groups would re-define eugenics as ‘socially progressive’, with linkages to the newly formed and comprehensive welfare states that offered ‘**solutions’ to poverty and disease**.

The Rockefeller Foundation heavily financed the **modern eugenics movement** and think-tanks such as the Tavistock Institute would give birth to many influential individuals and ‘social’ organisations.

Huxley adeptly associated the ‘new and modern’ eugenics movement with a range of reformist ideologies, such as the popularisation of birth control, the **decriminalisation** of homosexuality and abortion law reform. He described this process as “eugenic modernisation”.

The basic premise remained the same, however: it is far easier to eliminate the poor and the suffering, than it is to **eliminate the complex and tenacious sources of their poverty or their suffering**.

These people believe the **masses are too moronic** to govern themselves.

A plethora of new-age organisations and movements would arise during the era of ‘counter-culture’, and this ‘progression’ continued, the now-notorious Gates family would soon enter the picture.

BILL GATES SNR AND PLANNED PARENTHOOD

The key to understanding Bill Gates’ exposure to eugenic concepts is to trace his family past.

Bill Gates’ father, William H. Gates, Sr., was a prominent banker and a lawyer in Preston Gates & Ellis. He also presided over many bar associations, organisation boards and started the **Technology Alliance** — a regional push to expand technology-based jobs throughout the 20th century.

Importantly, Gates Sr. served on the board of **Planned Parenthood (PP)** during the group’s infancy — a re-branded organisation birthed out of the American Eugenics Society.

The company spread from beginnings in **Cold Spring Harbor genetics and virology labs** on Long Island and Berlin, to today become one of the largest organisations in the **US. Rockefeller-Bayar Co., BASF and Hoechst petrochemical-pharmaceutical consortium** were all initial funders of the group.

Make no mistake: Planned Parenthood was **built on population control schemes** — allied with the same groups who wanted **genetic hierarchy laws** to ‘preserve’ humanity and who sought to ‘beautify’ countries by stopping the “unfit” from reproducing.

In their 2014 Annual Report, the **pro-abortion** and anti-family group reported seeing over 2.5 million patients in over 4 million clinical visits, including 324,000 abortions. The group claims to be a proponent of ‘free choice’, yet it is a eugenics front organisation in disguise.

Planned Parent has recently gone through their second executive in just eight months, after sacking President Leana Wen for daring to suggest the group should **focus more on women’s health**.

Does this sound like a group that **dedicated to improving society**? This one showdown revealed a genuine rift in the organization and a simple truth: promoting 'women's health' was always a cover.

Bill Gates proudly speaks on his father's involvement on the **board of Planned Parenthood**, which was founded on the concept that most human beings are just **"reckless breeders"**.

Gates' father would take the concepts learned at Planned Parenthood and incorporate them into building the foundational **blueprint** for a new era of philanthropy activities that remain to this day.

THE GATES FOUNDATION

William Gates Snr. would continue his eugenicist efforts by becoming instrumental in the formation of a new philanthropic brainchild called the **William H. Gates Foundation in 1994**.

The group, like Planned Parenthood, would first focus on 'improving' reproductive and child health in the developing world. After pioneering philanthropist activities, the company merged with the **new Gates Learning Foundation to create the Bill & Melinda Gates Foundation in 2000**.

The methodologies have evolved leaps-and-bounds since the early formation of the movement, however the objective remains the same. This time, the new multifaceted approach would see the philanthropist group partner with powerful **United Nations** organizations like the **World Health Organisation (WHO)** and **UNICEF**.

Today, the group is focused on many areas that drive continued work across the world. These activities have given birth to new forms of **technological, eugenic endeavours**.

The organisation is simply continuing the Gates family legacy of trying to **dominate and control** the world's systems, including in the areas of **technology, medicine and now agriculture**.

In 2010, the **Bill & Melinda Gates Foundation purchased 500,000 shares in Monsanto** valued at more than \$23 million. This is when it became abundantly clear that the so-called benevolent charity is up to something other than 'eradicating' disease and feeding the world's poor.

The evidence that **GMOs cause disease** has been piling up for decades, as the list of countries banning their import and cultivation grows. Bill openly promotes GMOs as the 'answer' to world hunger.

Melinda Gates has also made 'women's issues' one of the top priorities for their philanthropic work. This includes the decision to **elevate contraception-promotion** and population control as "arguably the single-most important part of her work". She has been openly criticised for these moves.

In 2017, the Gates Foundation pledged **another \$375 million for 'family planning'**, with the goal of providing contraception to 120 million women across the world, particularly in developing countries.

This emphasis on blanketing developing countries with artificial contraception for which women aren't asking for reeks of **social engineering** and paternalistic eugenicist thinking.

The fact that couples in developing countries often desire and **value large families** means nothing to many Western elitist philanthropists: the not-so-subliminal underlying presumption is that women who desire large

families simply don't know what's good for them. As such, they need to be educated and 'encouraged' with large-scale, foreign-funded advertising companies and coercion.

Now that we have explored the history of the Gates family, influences and aims of philanthropist philosophies and modern eugenics programs across the world, let's explore the relatable picture.

BILL GATES AND VACCINES

Bill Gates needs no introduction. He is one of the **most influential Polyergus** of all time. For 25 years, he has controlled what has grown to become a multibillion-dollar colossus, **Microsoft**, and made himself one of the richest men in the world. **The tech world was largely born through Gates.**

He accomplished this feat not by inventing new technology, but by **taking existing technology**, adapting it to a 'specific market', and then dominating that market.

In recent years, Gates has turned a good deal of his **attention towards philanthropy** by creating the largest **private foundation in the world**, with **over \$46 billion in assets**. He has secured billions of dollars in contributions from other wealthy benefactors such as Warren Buffett, and is primarily dedicated to 'enhancing healthcare' and 'alleviating poverty' across the world.

Bill Gates is heavily involved in **development of new vaccines**, as well as 'forecasting' international health challenges of tomorrow (such as preparing for epidemics), and works beyond the scope of national oversight and accountability in most cases.

He has spent years involved in the **vaccine-manufacturing process**, including quality control and clinical evaluation. This understanding has allowed Gates to 'advise' vaccine development programs and fund research into new areas of innovation for multiple disease programs:

Gates invests in expertise and platform technologies that help us make vaccines faster, 'better' and cheaper, in addition to also investing in numerous education and training programs to ensure that knowledge around vaccines is created, shared and retained. Some examples of this include:

- Adaptive trial designs.
- Streamlining the schedule and dosing of vaccines.
- Novel delivery formats for vaccines.
- Modular, automated manufacturing platforms enabling small-batch vaccine production.
- The billionaire was an early investing partner in the Global Alliance for Vaccines and Immunization (GAVI), which has now grown a substantial portfolio of public-private international health partnerships that are committed to increasing access to immunisation.

Today, GAVI has grown significantly. The group **brings together developing country and donor governments** (including Australia), the World Health Organization, UNICEF, the World Bank, the vaccine industry, research and technical agencies, civil society and other private philanthropists.

The Bill and Melinda Gates Foundation has **donated \$1.56 billion to the alliance's 2016-2020** strategic period as of March 2019, and continues to advise the group on key business decisions.

Gates heavy involvement in the vaccine industry, in addition to continuing the eugenicists visions of the 'social' reformation, was fundamental in framing his positive public perception on the matter.

Considered a 'hero' in the fight to develop new technologies against growing diseases, the stage had now been set for Gates to become the new 'go to' voice if a pandemic was to ever break out.

COVID-19: A PLAN-DEMIC?

'PREDICTING' AN OUTBREAK

The Microsoft co-founder has hinted on multiple occasions over the past decade that the potential for something like the **coronavirus that would soon arise** and the world must be 'ready'.

In 2015, **Bill Gates gave a TED Talk titled, The next outbreak?** We're not ready, which is being shared widely online in recent weeks given the impact of COVID-19 across the world.

The part of the talk that's making rounds online shows Gates explaining that while the greatest **threat** to humanity when he was growing up was nuclear war, the greatest threat now is a **virus**:

"If anything **kills over 10 million people** in the next few decades, it's likely to be a **highly infectious virus** rather than a war. Not missiles, but microbes."

However, as we have explored, there is no fundamental evidence to suggest a **threat from the CoronaHoax**, which has been invented as a means to usher in further mechanisms of control.

Rather, through these 'cryptic' messages, Gates was positioning himself in a positive light to connect with the public psyche. If something was to happen, 'Gates would know the solution!', they will cry.

Did Gates know something we didn't know in advance? Emerging evidence suggest this 'pandemic' was foretold by the billionaire, which now serves as the mechanism to further carry out the agenda.

EVENT 201

On October 18, 2019, The Johns Hopkins Center for Health Security, World Economic Forum and the Bill and Melinda Gates Foundation hosted Event 201, which is described on the group's website as "a high-level pandemic exercise" carried out in New York.

The exercise illustrated areas where **public/private partnerships** will be 'necessary' during the response to a severe pandemic in order to diminish large-scale economic and societal consequences:

"Experts agree that it is only a matter of time before one of these **epidemics becomes global** — a pandemic with potentially catastrophic consequences.

A severe pandemic, which becomes 'Event 201', would require reliable cooperation among several industries, national governments, and key international institutions."

The group claims they did not 'predict' the coronavirus, despite modelling their pandemic under the same name. However, when examining their documents, striking similarities begin to emerge:

“Event 201 simulated an **outbreak of a novel zoonotic coronavirus** transmitted from bats to pigs to people that eventually becomes efficiently transmissible from person to person, leading to a severe pandemic. The pathogen was modeled largely on SARS, but it is more transmissible in the community setting by people with mild symptoms.

There is **no possibility of a vaccine being available** in the first year.”

Let’s think: The ‘real’ coronavirus started over a **bat in a meat market**, transmitted to humans and shows **mild** symptoms. The vaccine is also **12-18 months away** from being developed.

Furthermore, the **Melinda and Bill Gates Foundation funded a research center in England called the Pirbright Institute**, which specialises in the study of viruses that affect farm animals, and viruses which transfer from animals to people. They own a **very similar patent** for a type of coronavirus affecting animals.

The world **fell for the deception**, hook line and sinker. Now, nations are crying out for a ‘solution’ to the growing COVID-19 ‘crisis’ and Bill Gates (not surprisingly) has emerged at the head of the pack.

GATES TO THE RESCUE

Bill Gates is now the talk of the town, and in a recent interview, he told The Daily Show that his foundation was **funding the construction of factories** for seven coronavirus vaccine ‘candidates’.

He says the foundation would end up picking only one or two of the seven, meaning billions of dollars spent on manufacturing would be abandoned. However, spending a few billion to capitalise on the growing **\$35 billion vaccine market** seems like a calculated investment.

The Bill & Melinda Gates Foundation has **already committed \$100 million** to fighting coronavirus, as part of its broader efforts in international health. The group is also reportedly exploring the idea of supplying at-home testing kits for the coronavirus.

It also launched a **\$125 million COVID-19 Therapeutics Accelerator** and gave \$5 million to help public health agencies in the Seattle area ‘enhance their capacity’ to detect the virus.

So, a man who has profited largely off vaccine development for years and also held ‘simulations’ of pandemic outbreaks is now cashing in on the chase to develop a COVID-19 vaccine? How fitting.

Gates ultimate influence in this unfolding plan can be found in the instructions given in recent weeks.

THE 'ONLY WAY OUT'

Bill Gates now has a **net worth of \$97.8 billion**. Yet, being the 'relatable' person that he is, took to reddit for an Ask Me Anything on the COVID-19 pandemic. He would share his thoughts on 'how best to deal' with the outbreak and explored possible long-term effects on the world.

Gates said that broad vaccination for COVID-19 will need to become available "before you can be completely safe". Until then, according to his claims, there's a risk that communities could rebound unless they continue to practice strict social distancing and quarantines to see case numbers level off.

Gates said he doesn't think large gatherings will be able to resume until widespread vaccination has taken place, as the 'risks would outweigh the benefits' of such events:

World leaders also agree with Gates' timeline and perspectives. Shortly after doing the media rounds, the Australian government hinted at the fact society will be in lockdown until a vaccine is developed. This was soon followed by the New South Wales government and others.

Furthermore, Gates called for a "**national tracking system similar to South Korea**", saying that "in Seattle, the University of Washington is providing thousands of tests per day, but no one is connected to a national tracking system". He said that whenever there is a positive test, it should be used to understand where the disease is and whether we need to strengthen the social distancing.

In the future, he has floated the idea of 'vaccine certificates' to show proof-of-vaccination following the widespread rollout of COVID-19 products. This would be a new requirement for international and domestic travel, and is tipped to further expand to all facets of life.

Given the context detailed in this feature piece, do you trust the intentions of this man?

Gates has a rich history of eugenics influence and partakes in activities across the world that further progress the aims of the original movement, albeit in disguise.

Such is the story of the **Dehumanization of Humanity**. The 'death of god' lead to parasites believing they were gods, and this premise serves as the underlying force driving the **transhumanist** era.

Using objectivist logic, we must all exercise the **precautionary principle** when approaching Gates' claims to 'improve' health through vaccines.

If a COVID-19 vaccine **uses strains of an actual virus**, as many do, in order to encourage the body to build immunization, subjects who receive the vaccine will be carriers of that virus.

Bill Gates, and the forces that drive this puppet, are pushing the world towards a choice: Take the COVID-19 vaccine and deal with the health consequences, or refuse and be denied basic services and after being labelled as a 'health threat'. Take the jab or be targeted.

I know where I stand.

Will you be lining up to receive the newly developed Gates-funded vaccine?

Stay tuned for more.

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[Bill Gates Predicted the Coronavirus Pandemic in His 2015 TED Talk | MSN.com](#)

[Bill Gates is funding new factories for 7 potential coronavirus vaccines | Business Insider](#)

5.2.3 Max Planck

Note: Max Planck's 2019 Annual Report is in German. Screenshots will focus on what is interpretable. It is evident they are into the human genome. This is of great concern.

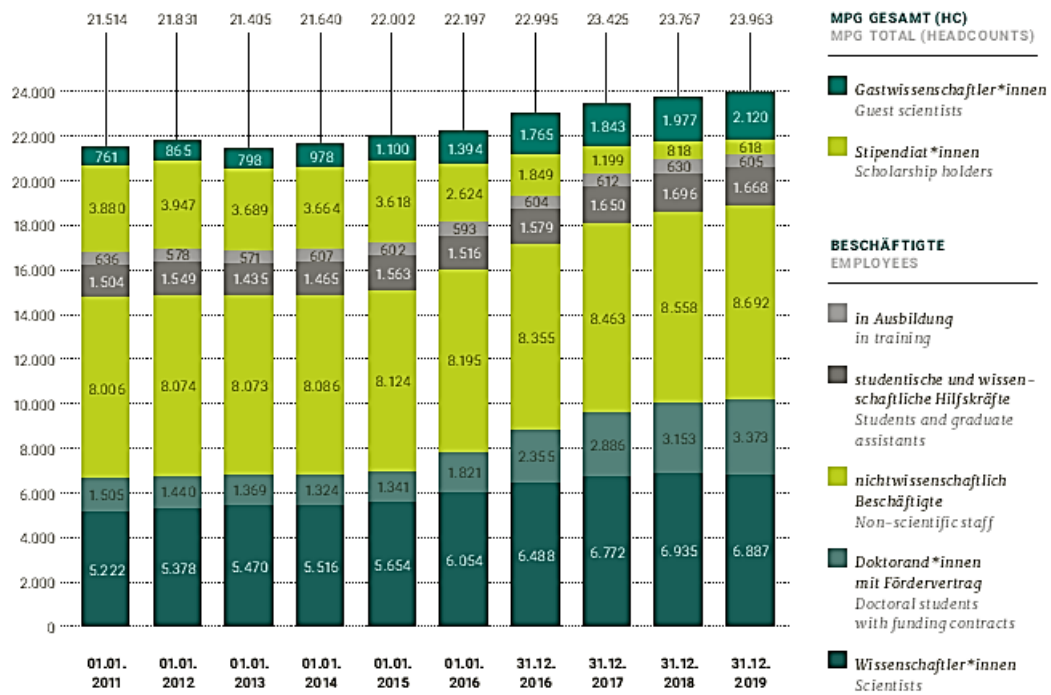


VORWORT DES PRÄSIDENTEN
FOREWORD BY THE PRESIDENT

GENOM-EDITIERUNG
GENOME EDITING

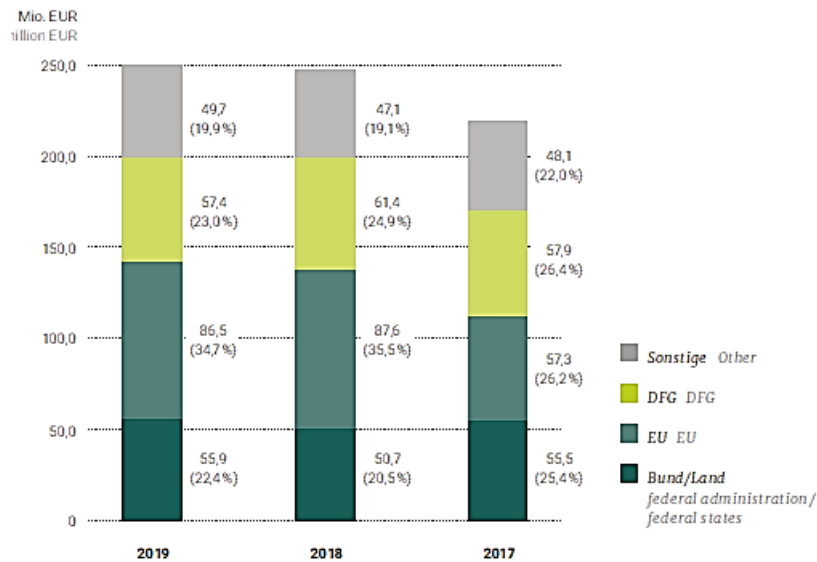


SCHAFTLERINNEN UND -WISSENSCHAFTLER DER MPG 2011-2019 PERSONNEL DEVELOPMENT - TOTAL: MPG EMPLOYEES, SCHOLARSHIP HOLDERS AND GUEST SCIENTISTS 2011-2019



The year-on-year changes in subsidies from project funds and their allocation to the various funding providers are as follows:

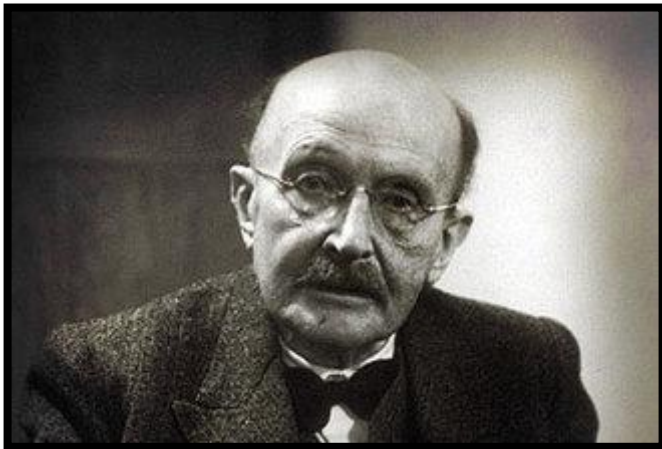
is Projektförderung verteilen sich im über- wie folgt auf die unterschiedlichen Zuwen-



5.2.3.1 History of the Max Planck Society¹¹

Major milestones and key events in the history of the Max Planck Society from 1945 until the present day.

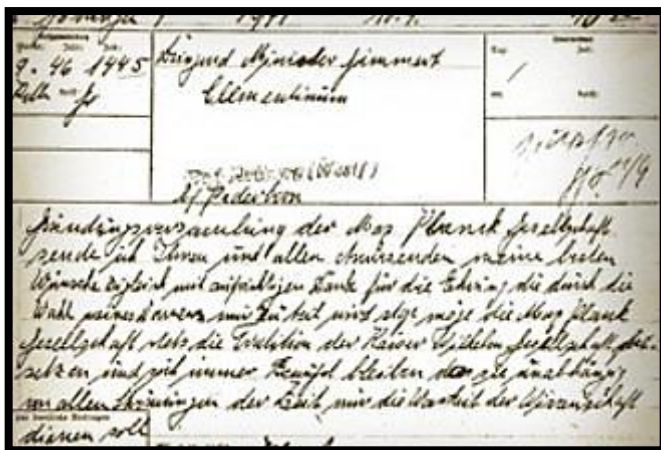
The end of the war and transition. Max Planck is Interim President of the KWS (1945)



Faced with the imminent **collapse of the Third Reich**, KWS President Albert Vögler committed **suicide in April 1945**. The Allies were already drawing up early plans for the restructuring of Germany, which also touched upon the science system and the KWS as the country's leading research institution. However, there were a number of different ideas circulating among the Allied forces concerning the future **of the KWS**. One key figure who facilitated the transition to a new set-up was **Max Planck**. Planck had witnessed the end of the war in the small town of Rogätz It

became apparent that the Americans were going to **hand the region over to the Soviet forces**. Given the situation, **British chemist** Berty Blount, who had been put in charge of the **Kaiser Wilhelm Society** by the occupation authorities, decided to have the renowned Nobel Prize winner brought to the West. On 16 May, in a gruelling two-hour drive, Belgian astronomer Kuiper took the 87-year-old Planck to Göttingen in an American military jeep. Two months later, Max Planck agreed to take up the office of Interim President of the Kaiser Wilhelm Society to enable it to be restructured. more

The birth of the Max Planck Society (1946)



A new research society was established in Bad Driburg in the British zone in September 1946 on the initiative of the British Allies, which was to take over the properties and the staff of the KWS. Max Planck sent a telegram to the founding assembly expressing his best wishes and agreeing to the new society being named after him. The foundation of a new society under the name of the internationally respected and politically irreproachable Nobel Prize winner offered a way out of the controversy. **The opinion among the US Allies was that because the KWS as an organization had been close to the Nazi**

regime, it represented a **threat to future peace** and needed to be dissolved. The Allied Control Council agreed and began to prepare a corresponding law. But the **British did not share this opinion**, and leading scientists with politically unblemished backgrounds also called for the KWS to be **preserved** on the grounds of its many great successes and its illustrious role in the international scientific community. In Germany there were concerns about further 'brain drain' once it became apparent that many exiled scientists would not be returning from the countries to which they had emigrated. The 'Max Planck Society', a British invention, proved to be a future-proof model, which was ultimately accepted by all of the Western Allies. more

¹¹ https://www.mpg.de/history_mpg

The founding of today's Max Planck Society (1948)



The "Kameradschaftshaus" (association house) of the Kaiser Wilhelm Society's aerodynamic testing facility (AVA) became the cradle of the modern Max Planck Society on 26 February 1948. Two days prior to that, the first Max Planck Society, valid only in the British zone, had been dissolved to make way for the new Society. The office of President was taken up by chemist and Nobel Prize winner Otto Hahn. Göttingen was a centre of research and administration for the KWS at this time: In the last years of the war, four institutes and the administrative headquarters had already been relocated to the

former premises of the AVA in Göttingen. Thanks to **massive financial support from the Nazi government** from 1933 onwards, the AVA had developed into a major research facility, where discoveries of great military value were made. The facility was largely dismantled after 1945, which freed up space. However, initially, the Max Planck Society founded in Göttingen was only intended for the British and American zones. Here, there were 29 institutes from the Kaiser Wilhelm Society, which were integrated into the new Society. It was only after the Federal Republic of Germany was established in autumn 1949 that the five institutes from the former French zone joined them. Today, the old Kameradschaftshaus serves as a staff canteen for the DLR, **the German Aerospace Center (DLR)**, which took over a majority of the testing facility after WWII. [more](#)

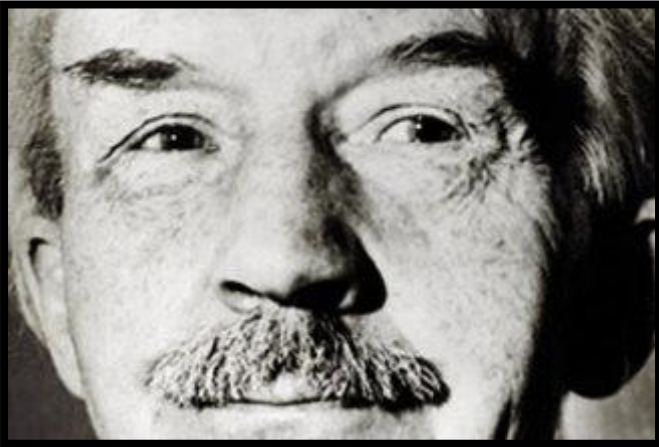
The last Kaiser Wilhelm Institutes join the MPG (1953)



By the end of the war there were only two institutes left in Berlin. The city's special status meant that the two institutes which had remained there joined the Max Planck Society much later. When they finally did, this largely concluded the **integration of the remainders of the Kaiser Wilhelm Society into the MPG**. The return of staff members who had been prisoners of war and the start of the economic miracle also boosted the reconstruction of science in the MPG, whose institutes slowly became fit to work again. However, Berlin's role would not be comparable to that which it had played in the Kaiser Wilhelm

Society [more](#)

The first Nobel Prize (1954)



The physicist Walther Bothe won the Nobel Prize in Physics in 1954. This was the first Nobel Prize for the young MPG. Bothe had arrived at **the Kaiser Wilhelm Institute of Medical Science in Heidelberg** in 1934, where he conducted crucial research on nuclear physics and radioactivity. This new area of research developed at such a tremendous pace that Bothe's department became an independent Max Planck Institute for **Nuclear Physics** in 1958. Together with Max Born, Bothe received the Nobel Prize for the development of the coincidence method, which fundamentally improved the measuring and thus

the study of radiation phenomena. [more](#)

The first purpose-built buildings. The MPI of Biochemistry (1956)



The new building erected for the Institute of Biochemistry in 1956 was one of the first construction projects of the new MPG, along with the facilities built for the MPI for Physics (Munich, 1958) and the MPI for Biology (Tübingen, 1951). The former Kaiser Wilhelm Institute had been relocated from Berlin to Tübingen in 1943, where it took up its provisional home at the university. Director Adolf Butenandt managed to get the Institute relocated to Munich, where it moved into a brand new, purpose-built building. This is an example of the Society's expansion phase in the post-war era characterized by the sober

pragmatism of the 1950s. [more](#)

Scientists unite for peace. The Göttingen Manifesto against nuclear weapons (1957)

In 1957, 18 distinguished German nuclear scientists signed a joint manifesto addressed to the federal government. In view of the proposed acquisition of atomic weapons by the Federal armed forces, the scientists warned of the **dangers of atomic weapons** and urged that Germany voluntarily desist from developing atomic weapons. From the Max Planck Society, the following scientists signed the **manifesto**: Otto Hahn, Werner Heisenberg, Max von Laue, Josef Mattauch and Carl Friedrich von Weizsäcker. [more](#)

Cautious rapprochement. Otto Hahn travels to Israel (1959)



MPG President Otto Hahn's trip to Israel heralded the start of a new chapter of political and scientific cooperation in 1959. The aim of the trip was not just scientific networking, but also the normalization of the **relationship between Germany and Israel**. In the process, which was initiated by **Israeli Prime Minister David Ben Gurion and German Federal Chancellor Konrad Adenauer**, science was to contribute to **healing the wounds left by the Shoah (holocaust)**. Josef Cohn, who had emigrated from Germany in 1933 and who played a crucial role as a mediator and scientific organizer for Israel, was committed to

the cooperation. Upon receiving an invitation from the Weizmann Institute, a publicly funded institution for basic research like the MPG, Hahn set out on the trip accompanied by a number of outstanding scientists. Hahn's son Harro, an art historian from the Bibliotheca Hertziana, represented the **human sciences in the Max Planck Society**; Wolfgang Gentner, Director at the MPI for Nuclear Physics, and biochemist Feodor Lynen from the MPI for Cellular Chemistry represented the two natural sciences Sections. During the ten-day trip, the delegation visited the Weizmann Institute and other scientific institutions in order to explore the possibilities for cooperation. Hahn later said of the trip that a certain awkwardness among the German guests was soon dispelled by a very "warm and friendly atmosphere". The successful trip marked the start of an active exchange of scientists between the two nations: as early as 1961, the first German scientist, Lorenz Krüger, was able to go to the Weizmann Institute for an extended research residency. [more](#)

The Kaiser Wilhelm Society is dismantled (1960)



The Kaiser Wilhelm Society existed side by side with the Max Planck Society for twelve years. It was not until 21 June 1960 at the last extraordinary General Meeting of the Kaiser Wilhelm Society that Adolf Butenandt announced that the dissolution of the Society, announced back in 1951, had been completed. He underscored how much it pained the older members to see the final dismantling of their Society. The remaining assets were transferred to the Max Planck Society. At around the same time, a commission started to give the Statutes of the MPG a thorough overhaul. Introduced in

1964, the modified text contains the passage: "The Society carries on the tradition established by the former Kaiser Wilhelm Society". At the same time, the MPG began to grow extensively under Butenandt, who became President that same year. Many new institutes were founded. And when the administrative headquarters moved to Munich in 1960, this heralded a new era for the administrative staff, too. [more](#)

A fresh start overshadowed. A new building for the MPI for Brain Research (1961)



The Max Planck Institute for Brain Research moved into a new building in Frankfurt in 1961, marking the end of its period of temporary accommodation in the post-war years. The Institute had been founded as the KWI for Brain Research in Berlin-Buch, from where it had been relocated in the last years of the war, its five Departments finding emergency accommodation in five different West German cities. They were now being reunited. Among those who moved into the new facilities, however, were the former Department Heads Julius Hallervorden and Hugo Spatz, who had made their careers at the Institute

during the **Third Reich, and who had benefited from the inhuman system**. They brought to the Institute a large collection of brain slices, which would later turn out to stem from victims of Nazi euthanasia, which Spatz and Hallervorden were themselves involved in. [more](#)

More responsibility for young scientists. The Friedrich Miescher Laboratory is founded in Tübingen (1969)



In 1969, the young Max Planck Campus in Tübingen saw a new laboratory built which not only offered more working space, but also introduced a new principle of research support, which transferred more responsibility to young scientists. This laboratory was to house the first Independent Junior Research Groups of the MPG. Junior Research Groups are independent research teams, responsible for their own work and headed by postdoc scientists, who are able to gather their first experience as leaders of large scientific projects with several members of staff. [more](#)

Technical World is founded (1970)



The MPI for the Study of the Scientific-

Technical World is founded (1970)

The Max Planck Institute for the Study of the Scientific-Technical World was founded on 1 January 1970 and headed by physicist and philosopher Carl Friedrich von Weizsäcker, the second Director being Jürgen Habermas, who joined in 1971. This Institute was a first for the MPG. The idea behind its foundation had come from questions surrounding the scientific world's responsibility to society. Espousing a socially critical approach compatible with many of **the ideas from the '68 movement, the Institute quickly became legendary**. As a young physicist, Weizsäcker had himself experienced nuclear

fission at close hand in 1938 and immediately perceived its **dangerous military potential**. He came to hold the belief that scientists were responsible for the consequences of their discoveries and lobbied politicians in the 1950s for the peaceful use of nuclear power. It was in the intellectual climate of the 1960s that the idea for an Institute developed, which was to be dedicated to peace and future research within the context of political consultation. Upon Weizsäcker's retirement in 1980, the Institute was transformed into an Institute for Social Research and closed not long thereafter. [more](#)

The advent of large equipment. The Effelsberg Radio Telescope is inaugurated (1971)



The Max Planck Institute for Radio Astronomy in Bonn inaugurated a new large instrument on Effelsberg in the **Eifel mountain range**. With a diameter of 100 metres, the Radio Telescope Effelsberg is still one of the largest fully steerable radio telescopes on earth. It made Germany an important part of the worldwide network for observing the cosmos. [more](#)

Flattened hierarchies. Structural reform and Directors in the Management Board (1973)



The structural reform of 1973 brought a greater right of codetermination for the staff and finally implemented the amendments to the Statutes which had been made back in 1964. The new clause was now successively embedded in the By-Laws of the Institutes. It raised the Department Heads to the status of Directors, corresponding to their academic achievements. Structurally, the MPG therefore obtained a more democratic form, with all Department Directors of an Institute now being equal and regularly taking seats on the Institute's Board of Management. The change thus brought in an administrative correction to the

Harnack principle, which is the most important principle of the Society and which stems from the very inception of the KWS: It provides for the support of especially creative and innovative scientists and their ideas, which may even be diametrically opposed to established research tenets. [more](#)

Inauguration of the new building for the Max Planck Institute for Human Development (1974)



When the **MPI for Human Development** moved into its new building in Berlin in 1974, the design by architects Fehling and Gogel illustrated the way the student movement of 1968 had steered science into a new era. The **star-shaped construction** which forewent both representative pomp and anonymous internal structures was something altogether new in architecture. It focused on communication and let the external form be a consequence of the internal needs of the scientists. "Think and read alone" and "communicate with others" – these were the basic

needs that the new building had to fulfil. At the same time, it was an expression of the new tendency in the scientific community to allow members of staff below Director's level to influence decisions.

It also coincided with the specific research field of the Institute. The Institute had been founded in 1962 and was working with a research topic that concerned society at large: the **conditions for the acquisition of knowledge**. The unusual architecture was intended to promote this work and was therefore seminal in every aspect. [more](#)

The Otto Hahn Medal is endowed (1978)



The Executive Committee of the Max Planck Society laid the foundations for the Otto Hahn Medal. The new award honours junior scientists for their extraordinary work and is given to a maximum of 30 scientists each year. [more](#)

The new building for the Max Planck Institute of Quantum Optics is inaugurated in Garching (1986)



The Max Planck Institute for Quantum Optics was founded in 1981 to study the interaction of light and matter, especially concentrating on laser chemistry, laser physics and laser plasma. It emerged from a Laser Research Group, which had been set up at the MPI of Plasma Physics in Garching, Munich, in 1976. The new building reinforced the MPG' technological presence in Garching in the north of Munich. This process of expansion had begun as early as 1963, when the MPG set up the **Sub-Institute of Extraterrestrial Physics and Astrophysics** there. Since then, Garching has increasingly grown in importance:

besides the MPG, many other renowned research establishments have set up shop here, including the Technische Universität München, the Ludwig-Maximilians-Universität München and the Fraunhofer-Gesellschaft. [more](#)

The fall of the Berlin Wall and a programme of immediate action for scientists in East Germany (1989)



When the Berlin Wall came down on 9 November 1989 the consequences were also felt in the German science system. The MPG embarked on a programme of immediate action to establish fixed-term research posts and encourage scientist exchange. **Six months after the fall of the Berlin Wall, the two German states came together for a "Science Summit" in Bonn.** The Science Minister for the Federal Republic of Germany, Heinz Riesenhuber, and his East German counterpart, Frank Terpe, participated. They discussed the future of the scientific community in a unified

German state and came out of the meeting with an undertaking to construct a **"unified research environment"** in future "with the elements that characterize the Federal Republic of Germany today". The MPG subsequently began establishing new institutes in the eastern part of Germany. The majority of the GDR's research institutions became part of the Leibniz Association as a consequence of the unification process. The principles of the Science Summit were also recorded in the German Unification Treaty, which came into force on 3 October 1990. [more](#)

A new approach to dealing with the past. Burial of brain specimens at Munich's Waldfriedhof Cemetery (1990)



A memorial stone from 1990 at Munich's Waldfriedhof Cemetery serves as a commemorative monument and reminder of the **victims of National Socialism** and their misuse in medical research. This is where brain specimens from the scientific collections of the Max Planck Institutes for **Brain Research and Psychiatry** were buried – specimens which are presumed to have been taken for scientific purposes from the brains of victims of the **Nazi's euthanasia murders**. From 1940 onwards, mentally handicapped people from numerous **German medical institutions and nursing homes had been intentionally killed**

as part of the so-called T4 Programme. At the KWI for Brain Research, the Head of the Department of Neuropathology, Julius Hallervorden, represented a direct connection to the death clinics: he held the position of prosecutor at the Brandenburg Regional Psychiatric Offices in Görden and Brandenburg and as such had a hand in the murderous work there. The complete collection of known brain specimens that was brought to the Max Planck Institute in Frankfurt as part of the material transferred from the old Kaiser Wilhelm Institute for Brain Research was buried at the instigation of Directors Wolf Singer and Heinz Wässle in 1990. At the MPI of Psychiatry, all the **specimens from the Third Reich era** were separated out and buried. On the occasion of the burial

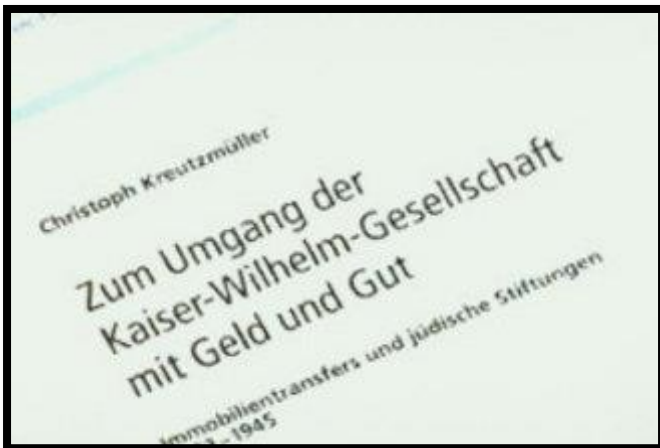
ceremony, Heinz Staab, the President of the MPG at that time, called for scientists to exercise "responsible self-constraint". [more](#)

Berlin becomes the registered office of the MPG (1992)



The Greater Berlin area developed into a new centre of the Max Planck Society from 1992 onwards. As a consequence of reunification, the Max Planck Society relocated its registered office from Göttingen to Berlin in 1992. The Administrative Headquarters remained in Munich. The "Förderungsgesellschaft Wissenschaftlicher Neuvorhaben mbH" began its work in 1992 by setting up seven centres for human sciences research to employ the scientists from the **institutes of the Academy of Sciences of the GDR**. The institutes focused on the topics "European Enlightenment", "Literary Research", "Modern Orient", "Eastern and Central European History and Culture", "General Linguistics", "**History and Theory of Science**" and "Research on Contemporary History". The new Max Planck Institute of Colloids and Interfaces and the MPI of Microstructure Physics based in Teltow and Halle also took up their work on 1 January 1992. [more](#)

Processing the past: The Presidential Commission for researching the National Socialist history of the KWS (1997)



In 1997, MPG President Hubert Markl appointed an independent commission of historians to study the history of **the KWS during the National Socialist era**. The commission was chaired by historians Reinhard Rürup and Wolfgang Schieder, who had made a name for themselves as experts on anti-Semitism and the history of National Socialism. The independent research project was financed by the Max Planck Society and all documents and archived materials were made available to the historians. The first ideas that the Society should revise its view of its role in the past had begun to form back in the 1980s. The project focused on

examining the policy of the administrative headquarters of the Kaiser Wilhelm Society, the research **on race and genetics** conducted at the KWS institutes, and armament research and agrarian research carried out in connection with the National Socialist expansion policy; also under scrutiny was the expulsion of Jewish scientists and the role of individual staff members, including the Nobel Laureate and longstanding President of the Max Planck Society, Adolf Butenandt. The commission's work resulted in a total of 19 monographs and 28 preprints. [more](#)

New Institutes in East Germany. The Max Planck Potsdam-Golm Research Campus is inaugurated (1999)



Three new Institutes moved into new buildings in Potsdam-Golm, on the outskirts of the old Prussian military city, in 1999: the MPI for **Gravitational Physics**, the MPI of Colloids and Interfaces and the MPI of Molecular Plant Physiology. This turned Golm into a new centre of science in Greater Berlin, as the Fraunhofer-Gesellschaft and the University of **Potsdam** also erected new greenfield research facilities in the structurally undeveloped March of Brandenburg. New Max Planck Institutes were also founded in Rostock, Dresden, Leipzig, Halle, Greifswald, Jena and Magdeburg. In parallel to the establishment

of new Institutes in former East Germany, sites in the West were being closed, including the **MPI of Biology**, the **MPI for Behavioural Physiology** and the **Gmelin Institute of Inorganic Chemistry and Interfaces**. [more](#)

President Markl apologizes to the victims of medical experiments during the Nazi era (2001)



The symposium on biological research and experiments on humans at the Kaiser Wilhelm institutes, held in Berlin, was a way for the Max Planck Society to deal with the past in an, admittedly, tardy but decisive manner. This conference brought together surviving victims of the **National Socialist era**, historians and representatives of the MPS around one table. On behalf of the MPS, President Hubert Markl opened the dialogue with the guests who had survived the inhuman biological experiments during the National Socialism. The commission of historians, appointed in 1997, had previously clearly proved

that scientists from the Kaiser Wilhelm Society had taken part in the crimes of the Third Reich, either actively or by legitimising its ideology through scientific actions. In his speech, Markl emphasised that "the most sincere apology is the disclosure of guilt". He thereby pointed the way for the MPS to assume responsibility for its past. However, Markl not offered a scientific perspective, he also found moving words to apologise personally to the **survivors of the experiments on twins**: "Only the perpetrator can really ask for forgiveness. Still, from the bottom of my heart I ask you, the surviving victims, for forgiveness on behalf of those who, irrespective of their reasons, failed to do so themselves." [more](#)

The Max Planck Society intensifies its cooperation with India (2004)



The first four Max Planck Partner Groups in India were inaugurated in a gala ceremony at the Indian **Institute of Technology in Delhi in 2004**. The aim was to cement relationships between Max Planck Institutes and their former Indian guest scientists. One year later, the MPG also intensified its cooperation with the Chinese **Academy of Sciences and founded a Partner Institute for Biological Sciences in Shanghai in 2005**. The Institute conducts research into biological networks and works closely with Institutes of experimental science and biomathematics research. [more](#)

Concluding reconstruction in East Germany (2006)



The Max Planck Institute for the History of Science moved into a new building in Berlin-Dahlem in 2006. This concluded the MPG-funded reconstruction of the scientific environment in former East Germany, a total of 18 Institutes having been established there. The Institute was founded in central Berlin in 1994 during the reconstruction of the **unified German research environment** and soon developed into a centre for research on the history of science, which studies the emergence of new categories of thought and the gaining of insight into different periods and cultures. It was initially housed in the Czech

Embassy in the former Eastern zone of central Berlin. [more](#)

The Max Planck Florida Institute is founded (2007)



The Senate decided in 2007 to establish the first international Max Planck Institute outside Europe. It opened in 2012 on the **Jupiter campus** of Florida Atlantic University. The Institute, financed with US funds, observes the MPG's guidelines and rules for quality assurance and focuses on research in the life sciences. The foundation of the Institute marks a further step towards increased internationalization of the MPG, which has already been achieved in the existing Institutes through the high number of **foreign scientists working** there and the global interconnectedness of their research

endeavours. [more](#)

The Max Planck Society intensifies its cooperation with India

2004

Photo: Under "supervision" of Chancellor Gerhard Schröder and the Indian Minister for Science and Technology, Kapil... [more]

The first four **Max Planck Partner Groups in India** were inaugurated in a gala ceremony at the Indian Institute of Technology in Delhi in 2004. The aim was to cement relationships between Max Planck Institutes and their former Indian guest scientists. One year later, the MPG also intensified its **cooperation with the Chinese Academy of Sciences and founded a Partner Institute for Biological Sciences in Shanghai in 2005**. The Institute conducts research into biological networks and works closely with Institutes of experimental science and biomathematics research.

5.2.4 Information Control to Dominate the Narrative

In 1999, the CIA created its own venture capital investment firm, In-Q-Tel, to fund promising start-ups that might create technologies useful for intelligence agencies. But the inspiration for In-Q-Tel came earlier, when the Pentagon set up its own private sector outfit.

Known as the 'Highlands Forum,' this private network has operated as a bridge between the Pentagon and powerful American elites outside the military since the mid-1990s. Despite changes in civilian administrations, the network around the Highlands Forum has become increasingly successful in dominating US defense policy.

Giant defense contractors like Booz Allen Hamilton and Science Applications International Corporation are sometimes referred to as the 'shadow intelligence community' due to the revolving doors between them and government, and their capacity to simultaneously influence and profit from defense policy. But while these contractors compete for power and money, they also collaborate where it counts. The Highlands Forum has for 20 years provided an off the record space for some of the most prominent members of the shadow intelligence community to convene with senior US government officials, alongside other leaders in relevant industries.

Excluding the public

- Official Pentagon records confirm that the Highlands Forum's primary goal was to support DoD policies on O'Neill's specialism: information warfare. According to the Pentagon's 1997 [Annual Report to the President and the Congress](#) under a section titled 'Information Operations,' (IO) the Office of the Secretary of Defense (OSD) had authorized the "establishment of the Highlands Group of key DoD, industry, and academic IO experts" to coordinate IO across federal military intelligence agencies.
- The following year's [DoD annual report](#) reiterated the Forum's centrality to information operations: "To examine IO issues, DoD sponsors the Highlands Forum, which brings together government, industry, and academic professionals from various fields."
- Notice that in 1998, the Highlands 'Group' became a 'Forum.' According to O'Neill, this was to avoid subjecting Highlands Forums meetings to "bureaucratic restrictions." What he was alluding to was the Federal Advisory Committee Act (FACA), which regulates the way the US government can formally solicit the advice of special interests.
- Known as the 'open government' law, FACA requires that US government officials **cannot hold closed-door or secret consultations** with people outside government to develop policy. All such consultations should take place via federal advisory committees that **permit public scrutiny**. FACA requires that meetings be held in public, announced via the Federal Register, that advisory groups are registered with an office at the General Services Administration, among other requirements intended to maintain accountability to the public interest.
- But [Government Executive](#) reported that "O'Neill and others believed" such **regulatory issues "would quell the free flow of ideas and no-holds-barred discussions** they sought." Pentagon lawyers had warned that the word 'group' might necessitate certain obligations and advised running the whole thing privately: "So O'Neill renamed it the Highlands Forum and **moved into the private sector** to manage it as a consultant to the Pentagon." The Pentagon Highlands Forum thus runs under the mantle of O'Neill's 'intellectual capital venture firm,' 'Highlands Group Inc.'
- In 1995, a year after William Perry appointed O'Neill to head up the Highlands Forum, SAIC—the Forum's "partner" organization—[launched](#) a new Center for Information Strategy and Policy under the direction of "Jeffrey Cooper, a member of the Highlands Group who advises senior Defense Department officials on information warfare issues." The Center had precisely the same objective as the Forum, to function as "a clearinghouse to bring together the best and brightest minds in information warfare by sponsoring a continuing series of seminars, papers and symposia which explore the **implications of information warfare** in depth." The aim was to "enable leaders and policymakers from government, industry, and academia to address key issues surrounding information warfare to ensure that the United States retains its **edge over any and all potential enemies.**"

- Despite FACA regulations, **federal advisory committees** are already heavily influenced, if not [captured, by corporate power](#). So in bypassing FACA, the Pentagon overrode even the loose restrictions of FACA, by permanently excluding any possibility of public engagement.
- O'Neill's claim that there are no reports or recommendations is disingenuous. By his own admission, the secret Pentagon consultations with industry that have taken place through the Highlands Forum since 1994 have been accompanied by regular presentations of academic and policy papers, recordings and notes of meetings, and other forms of documentation that are locked behind a login only accessible by Forum delegates. This violates the spirit, if not the letter, of FACA—in a way that is patently intended to circumvent democratic accountability and the rule of law.
- The Highlands Forum doesn't need to produce consensus recommendations. Its purpose is to provide the Pentagon a **shadow social networking mechanism** to cement lasting relationships with corporate power, and to identify new talent, that can be used to fine-tune information warfare strategies in absolute secrecy.
- **Total participants in the DoD's Highlands Forum number over a thousand**, although sessions largely consist of small closed workshop style gatherings of maximum 25–30 people, bringing together experts and officials depending on the subject. Delegates have included senior personnel from SAIC and Booz Allen Hamilton, **RAND Corp., Cisco, Human Genome Sciences, eBay, PayPal, IBM, Google, Microsoft, AT&T, the BBC, Disney, General Electric, Enron**, among innumerable others; Democrat and Republican members of Congress and the Senate; senior executives from the **US energy industry** such as Daniel Yergin of IHS Cambridge Energy Research Associates; and key people involved in both sides of presidential campaigns.
- Other participants have included senior media professionals: David Ignatius, associate editor of the *Washington Post* and at the time the executive editor of the *International Herald Tribune*; Thomas Friedman, long-time *New York Times* columnist; Arnaud de Borchgrave, an editor at *Washington Times* and *United Press International*; Steven Levy, a former *Newsweek* editor, senior writer for *Wired* and now chief tech editor at *Medium*; Lawrence Wright, staff writer at the *New Yorker*; Noah Shachtman, executive editor at the *Daily Beast*; Rebecca McKinnon, co-founder of *Global Voices Online*; Nik Gowing of the BBC; and John Markoff of the *New York Times*.
- Due to its current sponsorship by the OSD's undersecretary of defense for intelligence, the Forum has inside access to the chiefs of the main US surveillance and reconnaissance agencies, as well as the directors and their assistants at DoD research agencies, from DARPA, to the ONA. This also means that the Forum is deeply plugged into the Pentagon's policy research task forces.
- **Google: seeded by the Pentagon**
- In 1994—the same year the Highlands Forum was founded under the stewardship of the **Office of the Secretary of Defense, the ONA, and DARPA**—two young PhD students at Stanford University, Sergey Brin and Larry Page, made their breakthrough on the first automated web crawling and page ranking application. That application remains the core component of what eventually became Google's search service. Brin and Page had performed their work with funding from the [Digital Library Initiative](#) (DLI), a multi-agency programme of the National Science Foundation (NSF), NASA and DARPA.
- But that's just one side of the story.
- Throughout the development of the search engine, Sergey Brin reported regularly and directly to two people who were not Stanford faculty at all: Dr. Bhavani Thuraisingham and Dr. Rick Steinheiser. Both were representatives of a sensitive US intelligence community research programme on information security and data-mining.
- Thuraisingham is currently the Louis A. Beecherl distinguished professor and executive director of the Cyber Security Research Institute at the University of Texas, Dallas, and a sought-after expert on data-mining, data management and information security issues. But in the 1990s, she worked for the MITRE Corp., a leading US defense contractor, where she managed the Massive Digital Data Systems initiative, a project sponsored by the NSA, CIA, and the Director of Central Intelligence, to foster innovative research in information technology.
- "We funded Stanford University through the computer scientist Jeffrey Ullman, who had several promising graduate students working on many exciting areas," Prof. Thuraisingham told me. "One of them was

Sergey Brin, the founder of Google. The intelligence community's MDDS program essentially provided Brin seed-funding, which was supplemented by many other sources, including the private sector."

- This sort of funding is certainly not unusual, and Sergey Brin's being able to receive it by being a graduate student at Stanford appears to have been incidental. The Pentagon was all over computer science research at this time. But it illustrates how **deeply entrenched the culture of Silicon Valley is in the values of the US intelligence community.**

5.3 PHSSR Planning: Partnership for Health System Sustainability & Resilience and World Economic Forum/Big Pharma

Partnership for Health System Sustainability and Resilience

In collaboration with London School of Economics and AstraZeneca

An initiative to make sure health systems withstand future crises.

The Partnership for Health System Sustainability and Resilience (PHSSR) has been initiated by the London School of Economics (LSE), the World Economic Forum (WEF) and AstraZeneca, motivated by a shared commitment to improving population health, through and beyond the COVID-19 pandemic.

The pandemic has tested our health systems to, and beyond their limits. We could - and should - have been better prepared for this crisis. It has exposed long-standing fault lines in health systems that were already straining to meet increasing population needs and bridge health **inequalities**. Change is needed to build health systems that are both resilient to crises and sustainable in the face of long-term stresses.

From new models of care, to innovative financing mechanisms and breakthrough technologies, PHSSR aims to make change happen, by identifying transferrable solutions with the greatest potential, and supporting their adoption to deliver better health and better care for all.

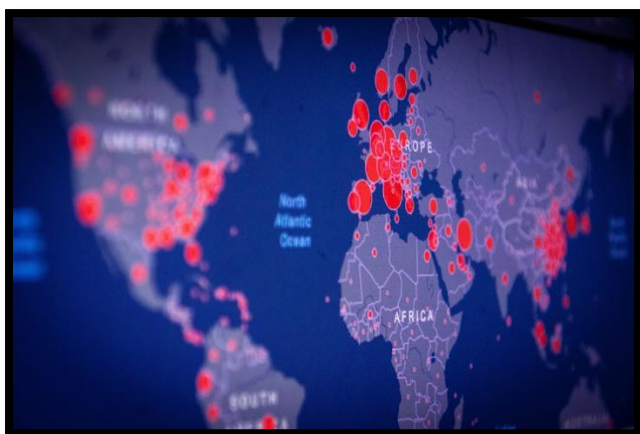
Volume 90%



The PHSSR Pilot

Find out how we are piloting a framework to analyse the sustainability and resilience of health systems

[Pilot Phase →](#)



Country-specific analysis, transferrable insights

Meet the specialist teams analysing health system resilience and sustainability in eight pilot countries

Country Teams →

The foundations of a broad-based partnership

Our steering committee provides expert counsel and strategic direction to the project in our dynamic environment

Leadership →

Our Mission

Resilience encompasses health **systems'** ability to prevent, respond to, and recover from acute and chronic **crises** (including, but not limited to, pandemic threats, natural disasters, climate change, and economic and technological shock), minimizing their impacts on health, social and economic wellbeing.

This must be met by the political will to act to strengthen health systems. Such action **cannot be delayed until COVID-19 is behind us**. Change is needed to build health systems which are more sustainable and resilient.

PHSSR's mission is to support this goal, by providing tools and resources for research, a focal point for collaboration and knowledge exchange within and between countries, and a platform to disseminate and catalyse the adoption of breakthrough insights.

Volume 90%

Sustainability and Resilience

PHSSR has adopted the following definitions of health system sustainability and resilience:

For health systems to be sustainable, they must be able to continually deliver their key functions of stewardship, generating resources and providing services, learning and improving in their ability to do so, in pursuit of improved population health.

Resilience encompasses health systems' **ability to prevent, respond to, and recover** from acute and chronic crises (including, but not limited to pandemic threats, climate change, and economic and technological shocks), minimizing their impacts on health, social and economic wellbeing.

A sustainable health system is able to **maintain its performance** during and after crises. Resilience is therefore a vital component of health system sustainability.

Our Objectives

PHSSR's objectives are to:

Build knowledge, understanding, and **consensus on the dimensions** of, and the relationship between health system sustainability and resilience, so that they can be understood in different country contexts, enabling identification of strengths, weaknesses, opportunities, and threats

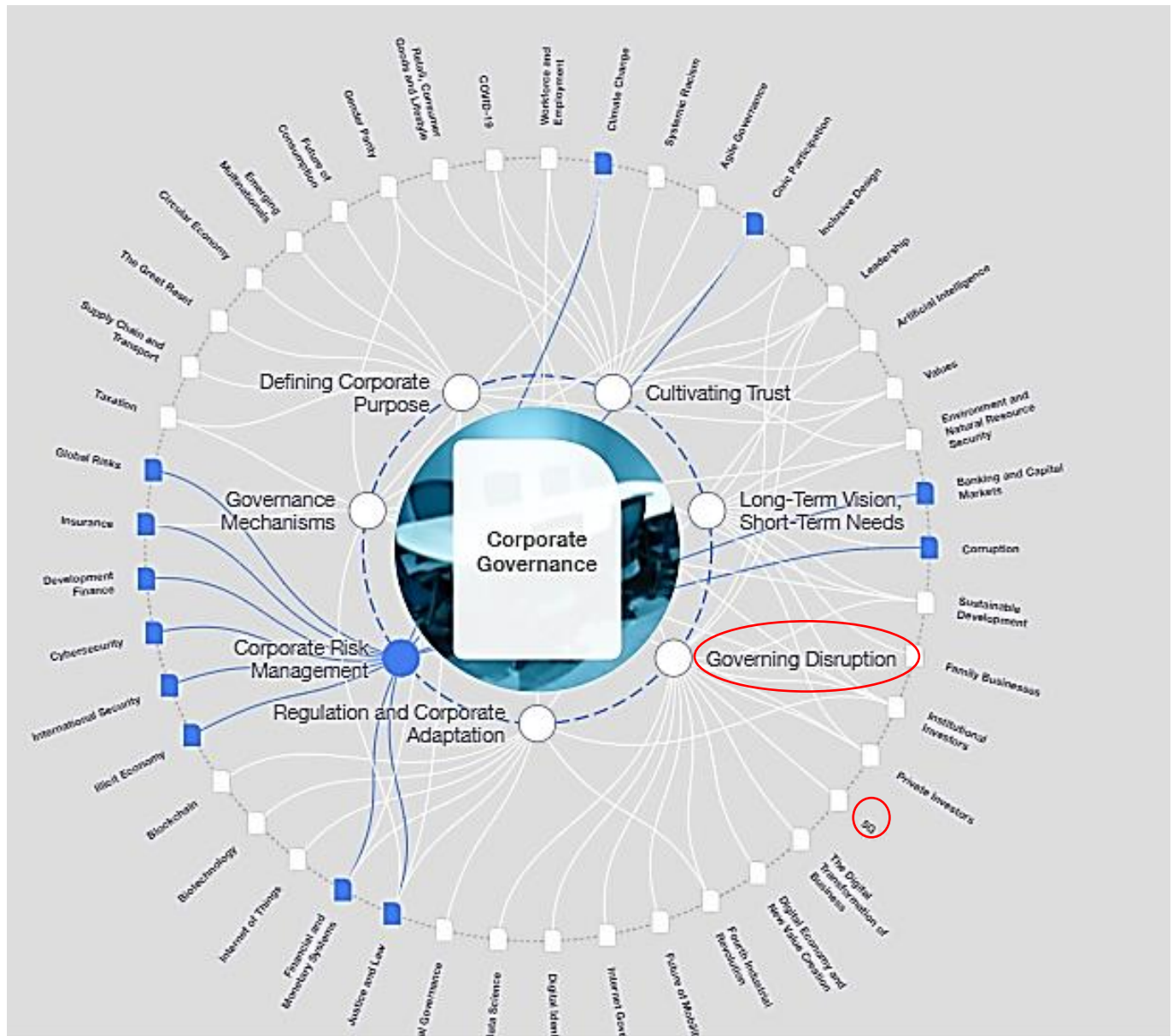
Guide action by **generating evidence-informed solutions** and policy recommendations to improve sustainability and resilience, promoting their uptake and supporting pilot implementations

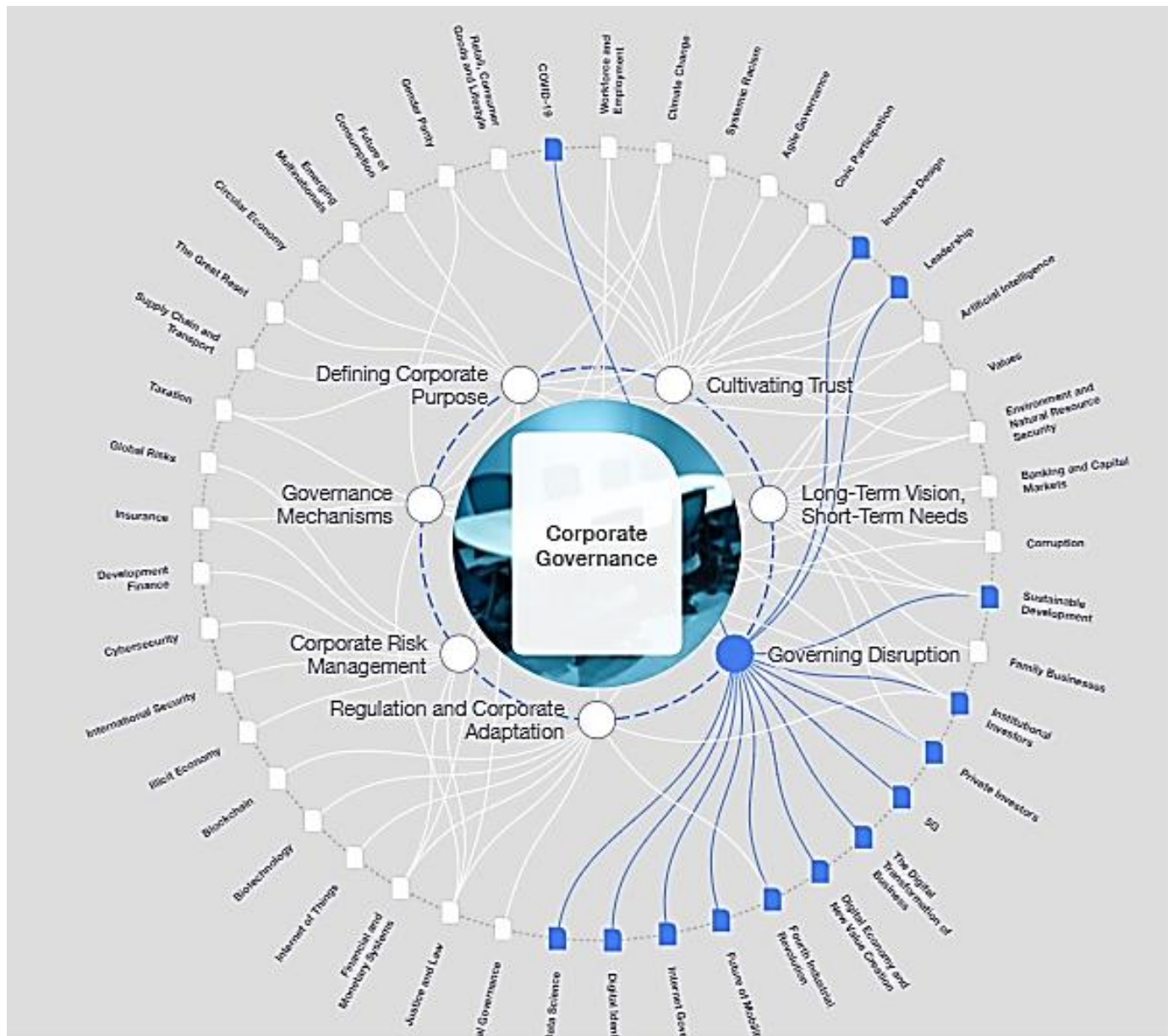
Facilitate cross-border and cross-sectoral collaboration by enabling international knowledge exchange, and by engaging, collaborating with, and being responsive to health system stakeholders.

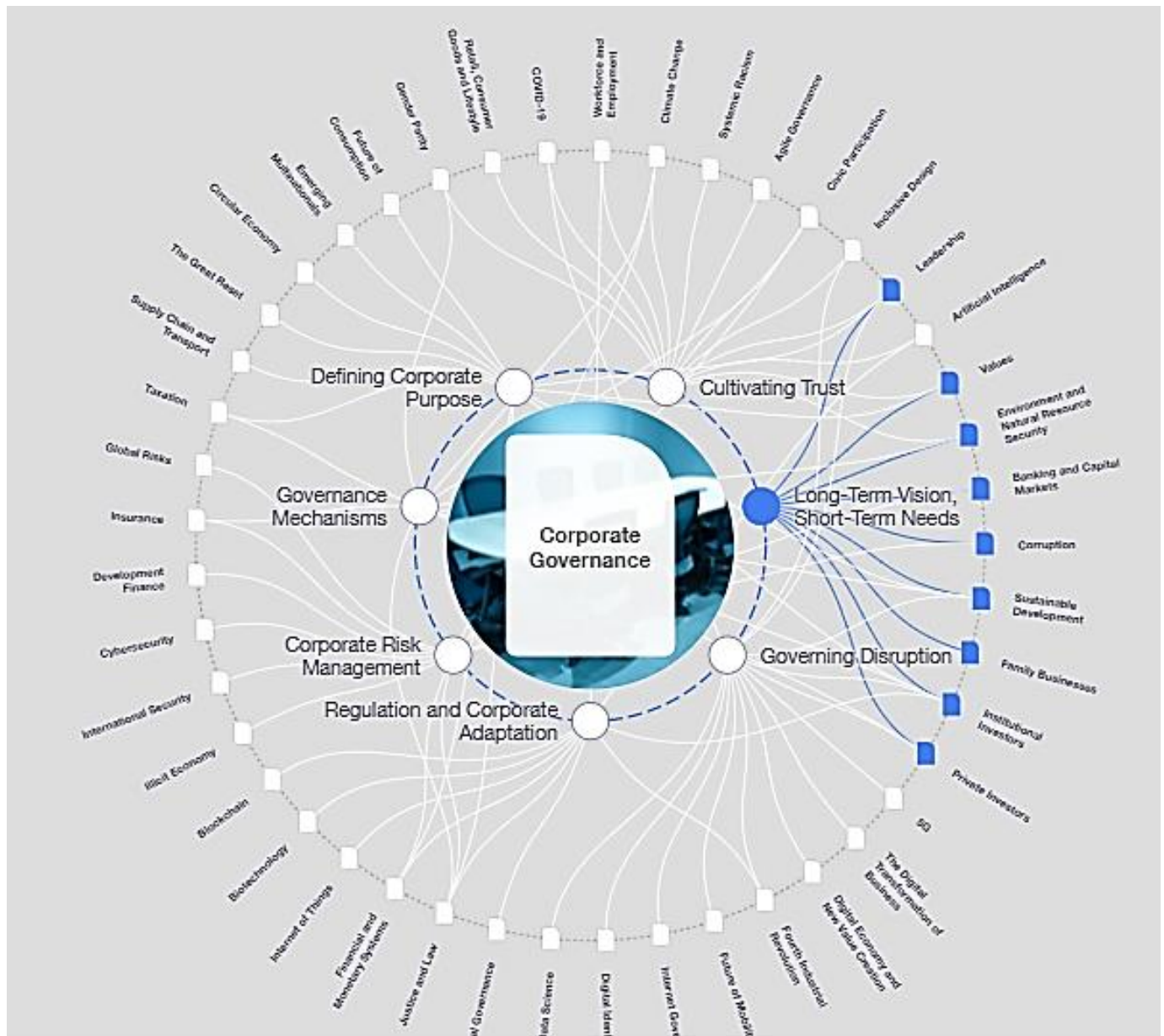
[Please click here for information on our Ethics and Guiding Principles →](#)

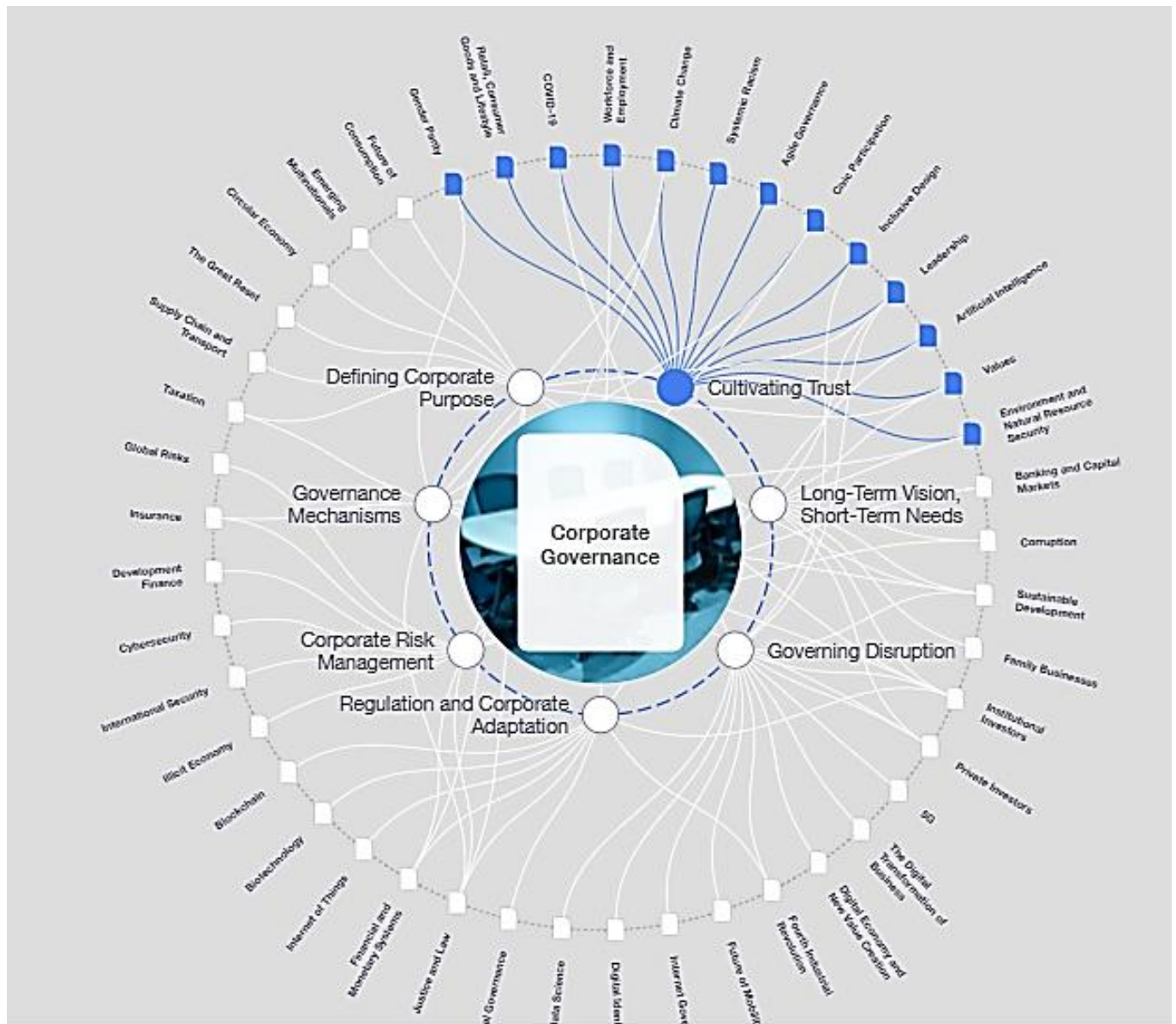
5.3.1 COVID-19 Circle Planning

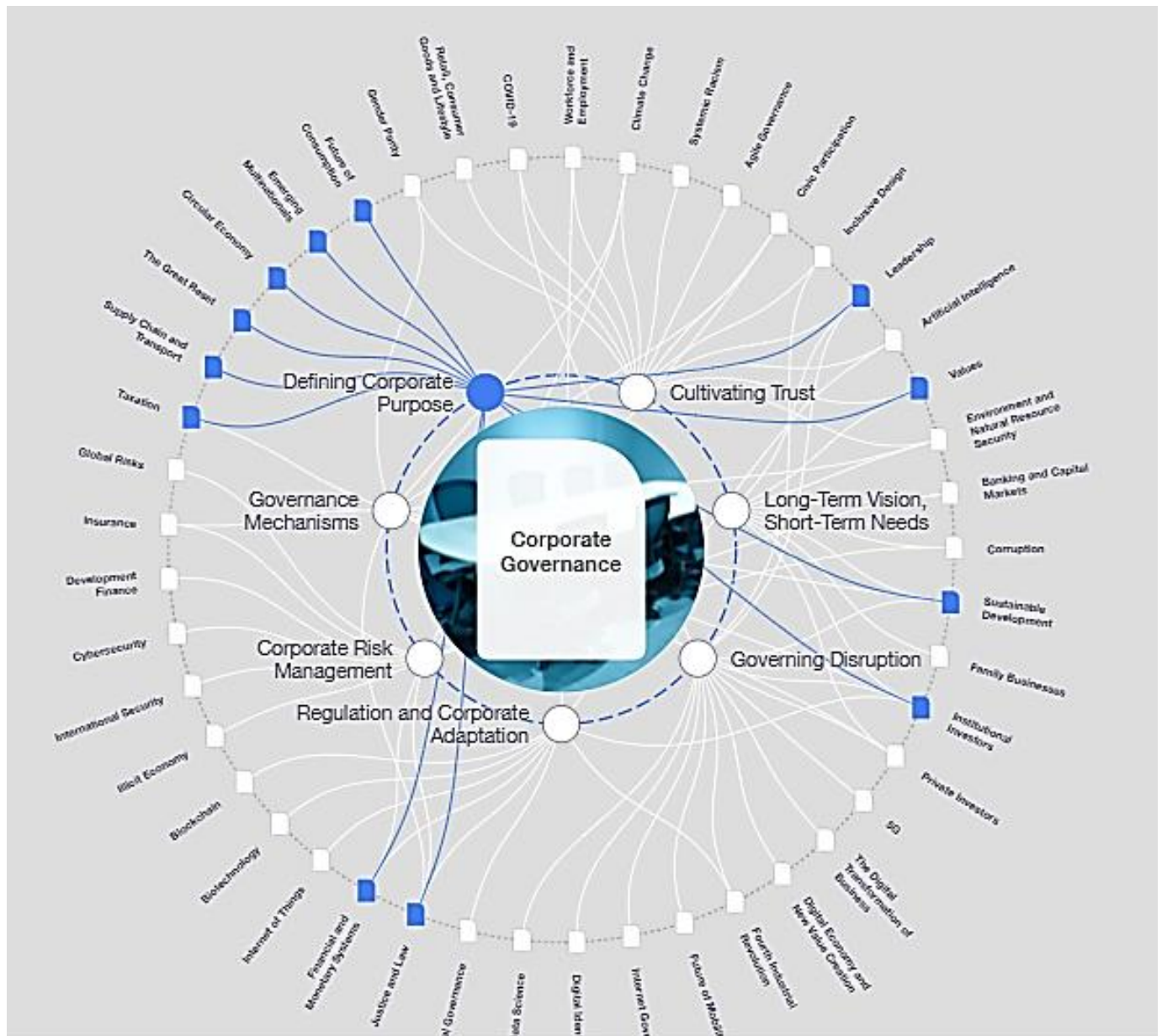
Note: The category 'governing disruption' is an interesting label.

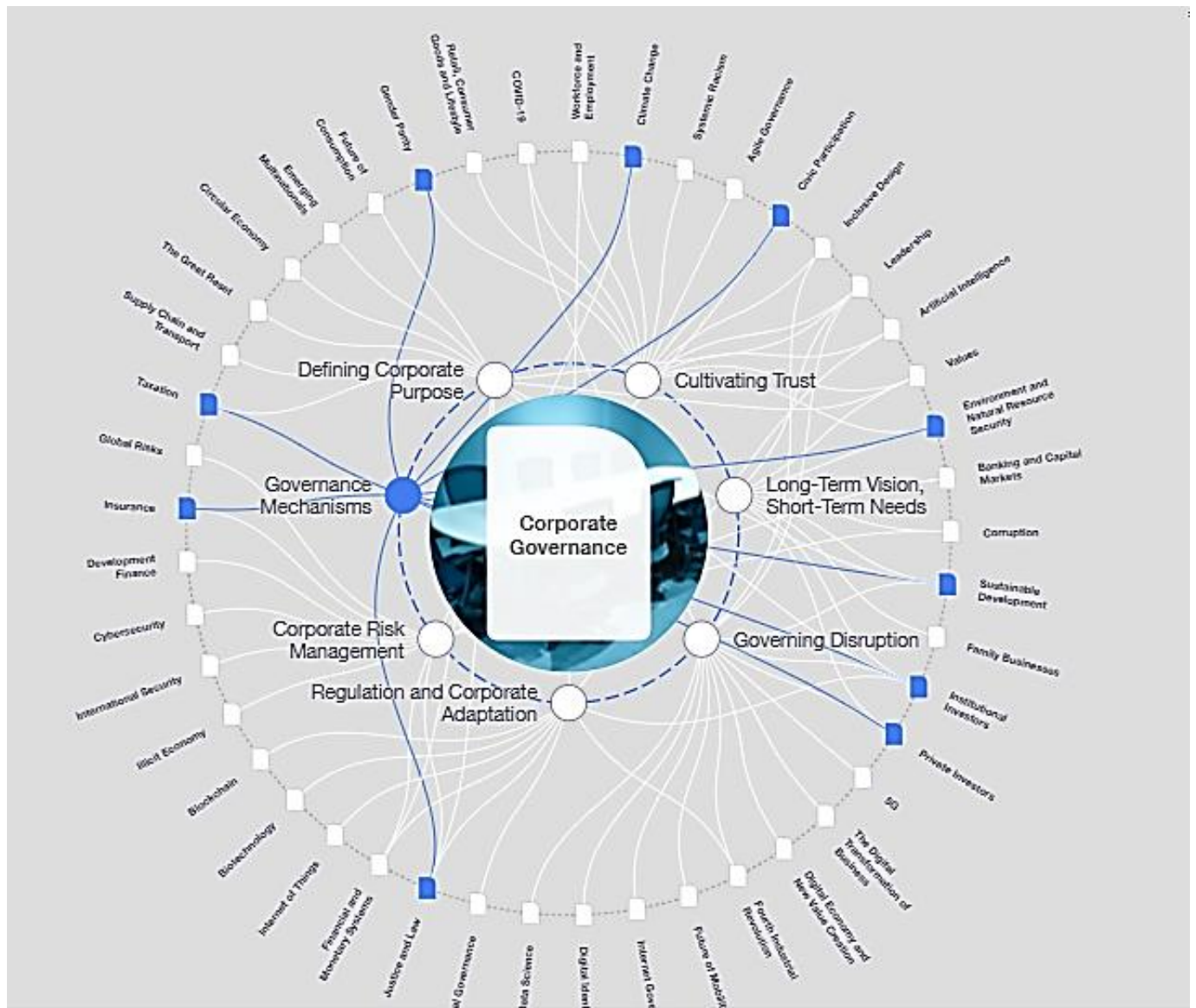


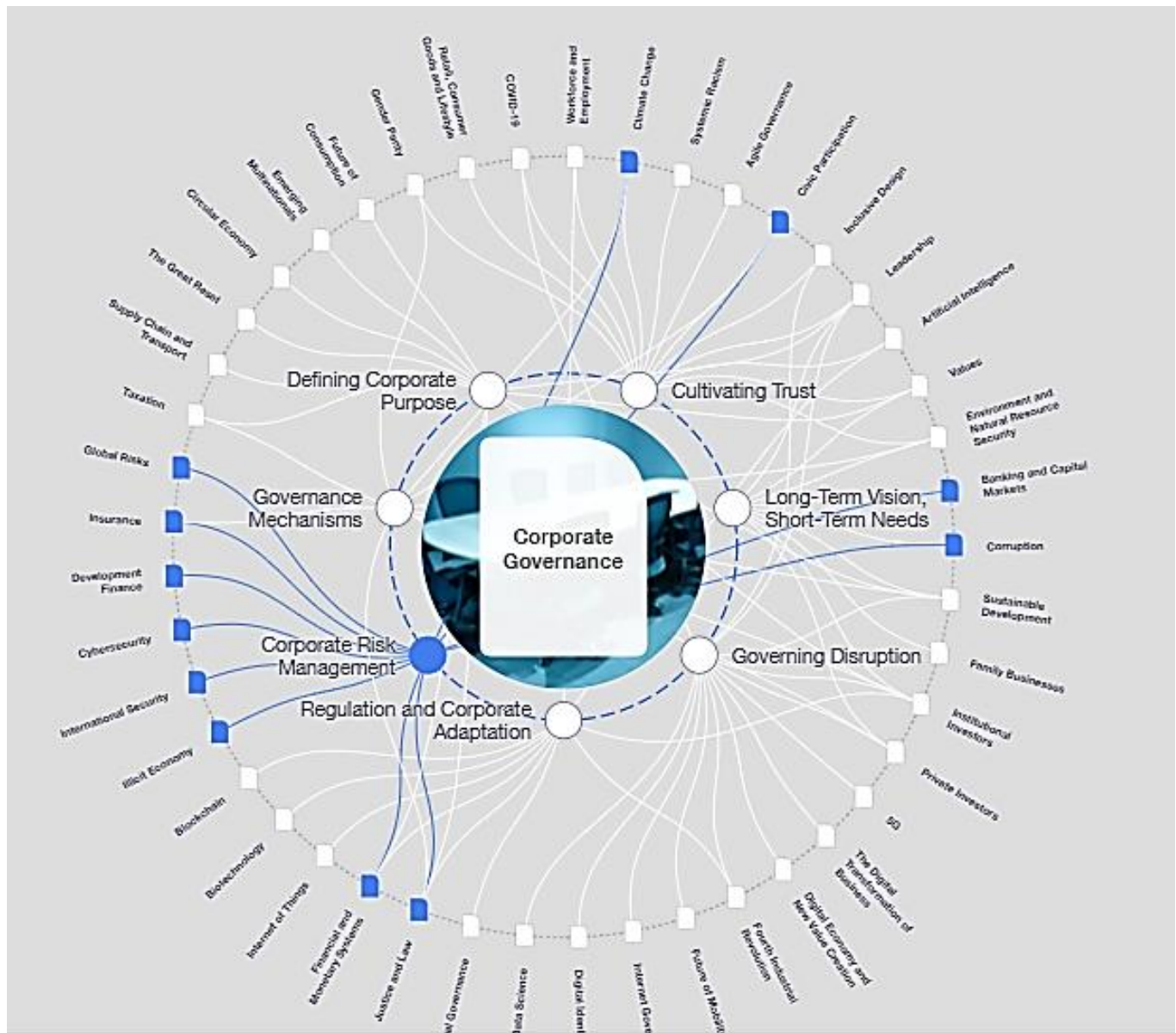












5.3.2 Key Leaders

Dr Nazneen Rahman

Non-Executive Director and Chair of Science Committee
AstraZeneca



Nazneen Rahman (CBE, BM BCh, PhD, FRCP, FMedSci) has been at the forefront of **human genetics** research and translation for 25 years. Her research harnesses her scientific and clinical expertise to identify and clinically implement **human disease genes**. She has a strong focus on **cancer predisposition genes**, in which she is an internationally-recognised expert.

Nazneen was **Professor of Human Genetics** and Head of the Division of Genetics and Epidemiology at **The Institute of Cancer Research**, London and Head of **Clinical Cancer Genetics at the Royal Marsden** Hospital until 2018.

She was also founder and director of **TGLclinical**, a **genetic testing** laboratory that deployed new **molecular and informatic technologies** to deliver fast, affordable cancer gene testing to the NHS.

She is now focused on making **healthcare more economically and environmentally sustainable** and is founder of **YewMaker**, a sustainable healthcare company.

Nazneen has a strong commitment to **open science and science communication** and has garnered numerous awards, including a CBE in the 2016 Queen's birthday honours for services to Medical Science.

Prof. Alistair McGuire

London School of Economics and Political Science
Chair of Health Economics



Professor McGuire is Chair in **Health Economics** and **Head of the Department of Health Policy**. His research interests cover all topics in health economics, including international comparisons, **economics of the hospital, public/private sector** interface and **cost-effectiveness analysis of health technologies**.

Professor McGuire has acted as an **advisor** to a number of governments and governmental bodies, including the United Kingdom government, the **UK Competition Commission**, the **UK Medical Research Council (MRC)**, the **German Institut für Qualität Wirtschaftlichkeit im Gesundheitswesen (IQWiG)**, as well as for a number of international bodies (including the **World Bank, the WHO, and the IMF**) and pharmaceutical and health care insurance companies.

Arnaud Bernaert

Head, Shaping the Future of Health and Healthcare, World Economic Forum



MBA in Finance, HEC Paris. More than **20 years of experience in the healthcare industry**.

Completed some 25 M&A transactions, with a particular focus on targets in home healthcare, clinical decision support, imaging and image-guided intervention and treatment.

Former European Regional Controller, Baxter Healthcare, Baxter's \$2.5 billion business.

2005, joined **Philips**; former Senior Vice-President and Chief Financial Officer, **Philips Home Healthcare Solutions**; then Senior Vice-President, **Royal Philips**, in charge of global strategy, business development and M&A, **Philips Healthcare**, the \$13 billion in sales unit of Royal Philips based in **Boston**.

Joined the **World Economic Forum** as **Senior Director of Global Health and Healthcare**.

5.3.3 World Economic Forum Corporate Listing

Note: The global public have to awaken to powerful corporate players collaborating for this future AI Technocracy. Messages are coordinated, investments are coordinated, and political influence coordinated as they push an inevitable agenda the public didn't vote on or understand the implications of. It is referred to as a corporatocracy or the Rothschild's Inclusive Capitalism that moves forward without conscience aligned with the Iron Mountain approach. It is important to understand through market concentration (mergers & acquisitions) some multinationals have the wealth well in excess of countries GDP. In a world where money talks they can pay to get things done. Yet will it serve humanity of self interest? The sustainability push is ironic given ecological collapse has a causal link to production and externalities. In other words can we put the bank robber in charge of the bank and ask for ethical transactions.

A	American Tower	Bank Leumi Le-Israel
A.P. Møller-Maersk	AmeriSourceBergen	Bank Lombard Odier & Co.
AARP	AMTD	Bank Mandiri (Persero)
ABB	Analog Devices	Bank of America
ABN AMRO	Anchorage Capital Group	Barclays
Absa Group	Angelicoussis Group	BASF
Accenture	Anglo American	Bata
Acciona	AngloGold Ashanti	Bayer
Ackermans & van Haaren	Anheuser-Busch InBev	BBVA
Adani Group	Antin Infrastructure Partners	BC Energy Investments
Adecco Group	Antwerp Port Authority	BC Partners
Aditya Birla Group	Apollo Hospitals Enterprise	Bharti Airtel
Adobe Systems	Apollo Tyres	Bill & Melinda Gates Foundation
Advantage Partners	Appen	Biogen
Aecon Group	Apple	BlackRock
Aegon	ArcelorMittal	Blackstone Group
African Development Bank Group	Ariston Thermo	Bloomberg
African Rainbow Minerals	Arm	BMO Financial Group
Agility	Aroundtown	Boeing
AIG	Arup Group	BoodaiCorp
Air Liquide	AstraZeneca	Borealis
Airport Authority Hong Kong	ASYAD	Boston Consulting Group (BCG)
Aker	Automatic Data Processing (ADP)	bp
Al-Ula	averda	Breca
Alcon	AXA	Bridgewater Associates
Algebris Investments	Bahrain Economic Development Board	Brightstar Capital Partners
Alghanim Industries	Bain & Company	Broadridge Financial Solutions
AlGihaz	Bajaj Auto	Brookfield Asset Management
Alibaba Group	Baker Hughes	BYJU'S
AlixPartners	Baker McKenzie	ByteDance
Allianz	Bakrie & Brothers	Caisse de dépôt et placement du Québec (CDPQ)
Alrosa	Banco Bradesco	Canica
Amanat Holdings	Banco BTG Pactual	Cantor Fitzgerald
Amara Raja Group	Banco Nacional de Panamá (Banconal)	Capgemini
Amazon Web Services	Banco Safra Brasil	Capricorn Investment Group
Amcor	Banco Santander	Cargill
América Móvil	Bangchak	Carlsberg Group
American Heart Association	Bank Julius Baer	

Carlyle Group	DAMAC International Limited	European Bank for Reconstruction and Development (EBRD)
Cassa Depositi e Prestiti	Danfoss	European Investment Bank
Cathay Capital Private Equity	Dassault Systèmes	Export Credit Insurance Corporation of South Africa (ECIC)
Cedar Holdings Group	Dawood Hercules	EY
Centene	Dell Technologies	Ezaki Glico
Check Point Software Technologies	Deloitte	Facebook
Chengdu Xingcheng Investment Group	Dentsu	Far East Consortium
Chevron	Depository Trust & Clearing (DTCC)	FEMSA
China Construction Bank	Deppon Logistics	Fidelity International
China Datang	Desktop Metal	Finabl
China Energy Investment	Deutsche Bank	FirstRand
China National Chemical Engineering Group	Deutsche Post DHL	Fluor
China Railway Group (CREC)	Development Bank of Japan (DBJ)	Forcepoint LLC
China Southern Power Grid	Development Bank of Southern Africa	Fosun International
Circle	Didi Chuxing	Fubon Financial Holding
Cisco	Disa	Fujitsu
Citi	Discovery	Fullerton Health
CITIC Capital	DNB	FutureFit
CJ	Dogan Group of Companies	
Clariant	Dow	Galp Energia
Clayton, Dubilier & Rice	DP World	GEA Group
Clifford Chance	DST Global	General Atlantic Partners
Cloudflare	DTEK	Generali
CLS Bank International	Dubai Electricity and Water Authority	GFG Alliance
Cognizant	DXC Technology	GIC
Commercial International Bank (CIB)		Gilead Sciences
Commons Project	Ecolab	Ginkgo Bioworks
Compagnie Financière Tradition	Ecopetrol	Giti Group
Condé Nast	Edelman	Glencore International
Consolidated Contractors Company (CCC)	Egon Zehnder International	Global Asset Capital
Corporacion America	Eisai	GLOBIS
Coursera	Eletrabras	GMR Infrastructure
Covestro	Emirates Group	Goldman Sachs
CP Group	Enel	Google
CPP Investments	Eni	Greenko
Credit Suisse	EnQuest	Greensill
Crescent Enterprises	Envision Group	Grundfos
Crescent Petroleum	EQT	Grupo Energía Bogotá (GEB)
Cruise	Equifax	Grupo Mega
CVC Capital Partners (Luxembourg)	Equinor	Grupo Salinas
CVS Health	ER-Telecom	GS Group
	Ericsson	Guangzhou Automobile Group
Dairy Management	Essar Oil UK	Guangzhou Baiyunshan Pharmaceutical
Daiwa Securities Group	Eurasian Resources Group (ERG)	Guardian Life Insurance Company of America
Dalmia Bharat	Euroclear	

Guggenheim Partners	Indian Oil	Kingdom Holding
Guidance	Indigo Agriculture	Kirin Holdings
GuideWell	Indofood	Klöckner & Co
Gulf International Bank (GIB)	Indorama Ventures	Koç Holding
Gulfstream Aerospace	Indus Group	KPMG
Gunvor Group	Industrial and Commercial Bank of China (ICBC)	KPN
Hackensack Meridian Health	Industrial Development Corporation of South Africa	Kudelski Group
Hanwha Group	Infosys	Kuwaiti Danish Dairy (KDD)
HCC	ING Group	Lakestar Advisors
HCL Technologies	Ingka Group (IKEA)	LANXESS
Heidrick & Struggles	Inner Mongolia Yili Industrial Group	Lawson
HEINEKEN	INOX Group	Lazard
Henkel	Integral Petroleum	LeasePlan
Henry Schein	Inter-American Development Bank	Lennar
Hepsiburada	Intercorp	Lenzing Group
HERE	Intermountain Healthcare	LG Chem
Hero MotoCorp	Interpublic Group	LGT Group
Hess Corporation	Intesa Sanpaolo	Liberty Global
Hewlett Packard Enterprise	Invesco	Limak Holding
Hikma Pharmaceuticals	Investcorp	LinkedIn
Hillspire	Investec	Lippo Group
Hitachi	Ipsos	Lloyds Banking Group
Home Instead Senior Care	Iron Mountain Information Management	Lockheed Martin
Honda Motor	Islamic Development Bank	Lord, Abbett & Co.
Hong Kong Exchanges and Clearing (HKEX)	Itaú Unibanco	Louis Dreyfus Company
Hong Kong Science and Technology Parks (HKSTP)		LRN
HP	J. Safra Group	LUKOIL
HP Trust	Japan Bank for International Cooperation (JBIC)	Luksic Group
HPS Investment Partners	JD.com	Lulu Group International
HTC	Jefferson Health	LVMH Moët Hennessy - Louis Vuitton
Huawei Technologies	JERA	
Hubert Burda Media	Jerónimo Martins	Mahindra Group
Hunt Consolidated Energy	JLL	Majid Al Futtaim
Hydro Québec	Johnson & Johnson	Manchester United
Hyundai Motor	Johnson Controls	ManpowerGroup
	Johnson Matthey	Manulife
	JPMorgan Chase & Co.	Mari Petroleum
Iberdrola	Jubilant Bhartia Group	Marriott International
Iberostar Group		Marsh & McLennan
IBM		Mary Kay
IDEO	Kaiser Permanente	Mastercard
IFFCO	Kanoria Foundation	Mayo Clinic
Illumina	KBZ Bank	McKinsey & Company
illycaffè	Kcap Holdings	Medtronic
Inalum	Kearney	

Mengniu Group	Nokia	Pentland Group
Merck	Nomura Greentech	PepsiCo
Mercuria Energy Group	Nomura Holdings	Permira Advisers
Meridiam	Norilsk Nickel	Petroleo Brasileiro - PETROBRAS
Meridian Capital	North Island	PETRONAS (Petroliam Nasional)
Micron Technology	Novartis	Pfizer
Microsoft	Novatek	Pharco
Millicom	Novo Nordisk Foundation	PhosAgro
MiSK	Novolipetsk Steel (NLMK)	Pladis Foods
Mitsubishi Chemical Holdings	NR Instant Produce	Planetary Holdings
Mitsubishi Corporation	NTPC	Poly Group
Mitsubishi Heavy Industries	Nutrien	PPF
Mitsui & Co.	NYSE	Procter & Gamble
Mitsui Chemicals		Prudential
Mizuho Financial Group	Oak Universe	PTC
MKS (Switzerland)	Oando	PTT
Moderna	Occidental	Public Institution for Social Security (PIFSS)
Moelis & Company	Oerlikon	Publicis Groupe
Morgan Stanley	Oil and Natural Gas Corporation (ONGC)	Puma Energy
Mori Building Co.	Olayan Financing Group	PwC
Motive Partners	Old Mutual	PZU
MSD	OMERS	
MTN Group	OMINVEST	Qatar Development Bank
MTR	Omnicom Group	Qatar Financial Centre (QFC)
Mubadala	OneWeb	Qatar Investment Authority
MUFG Bank	Ontario Teachers' Pension Plan	Qatar National Bank
Multilateral Investment Guarantee Agency (MIGA)	Open Society Institute	QI Group
Mylan	Orano	QIAGEN
	Orion Heritage	Qualcomm
Nasdaq	Orkla	Quest Diagnostics
Naspers	Otsuka America Pharmaceutical	Quexco
Natixis	OVG Real Estate	
Natura & Co	Ørsted	Rabobank
Naturgy		Rakuten
Natwest Group	Pacific Invest (PIMCO)	Ralph Lauren
NBCUniversal	PAG	RBC (Royal Bank of Canada)
NEC	Palantir Technologies	Recruit Holdings
Nedbank Group	Palo Alto Networks	Refinitiv
Nestlé	Pan American Silver	Reliance Industries
Netflix	Parsable	ReNew Power
Neusoft	Pathfinder Group	Repsol
New York Times	PayPal	RGE
Newmont	Paytm	Ripple
Nielsen	Pegasystems	RMZ
Nikkei	PensionDanmark	Robert Bosch

RockCreek	Sociedad de Fomento Fabril (SOFOFA)	Total
Rockwell Automation	Softbank Group	Toyota Motor Corporation
Royal DSM	Solvay	TPG
Royal Dutch Shell	Sompo Holdings	Trafigura
Royal Philips	Sonangol	Transnet
Royal Schiphol Group	Standard Bank Group	Trident
Royal Vopak	Standard Chartered Bank	Trip.com Group
Russian Direct Investment Fund	Stanley Black & Decker	Turkey Wealth Fund
RWE	State Bank of India	Turkish Employers Association of Metal Industries (MESS)
	State Grid Corporation of China	Tyson Foods
S&P Global	State Oil Fund of the Republic of Azerbaijan (SOFAZ)	
S4Capital	Stena	UBA Group
Saipem	Sumitomo Mitsui Financial Group (SMFG)	Uber Technologies
Salesforce	Sun Pharmaceutical Industries	UBS
Sanofi	Suncor Energy	Udacity
SAP	Suntory Holdings	UL
Saudi Aramco	Swarovski	Umicore
Saudi Basic Industries (SABIC)	SWIFT	Unilever
Saudi Telecom	Swire Pacific	Unipol Gruppo
Sberbank	Swiss Re	Unison Capital
Schneider Electric	Syngenta	Unitel
Scotiabank		UPL
Sea	Takeda Pharmaceutical	UPS
Sealed Air	Tamer Group	USM
Sekunjalo Group	Tata Consultancy Services	
Sempra Energy	Tata Sons	Vale
Sequoia Capital	Tatneft	Vattenfall
Serum Institute of India	TD Bank Group	Verisk Analytics
Severstal	Team8	Verizon Communications
Sharjah Investment and Development Authority - Shurooq	Technogym	Vestas
Siam Cement Group (SCG)	Teck Resources	Viking Global Investors
Sibur	Teladoc Health	Visa
SICPA	Telenor Group	Vista Equity Partners
Siemens	Temasek	Vital Capital Fund
Signify	Teneo	VMware
Sinochem Group	The Coca-Cola Company	Volkswagen Group
SITE	The LEGO Brand Group	Volvo Group
SK Group	The Perot Companies	Voyager Space Holdings
Skolkovo Foundation	Thermo Fisher Scientific	VTB Bank
SkyBridge Capital	Thomson Reuters	
Smart-Holding	TIBCO Software	Walmart
Snam	Tillman Global Holdings	Wellcome Trust
SNC-Lavalin Group	TIME	Welspun Group
SOCAR (State Oil Company of the Azerbaijan Republic)	Tokio Marine	Wendel
	Tokopedia	Wesfarmers

Western Union

WPP

Yuexiu Enterprises

Williams-Sonoma

Willis Towers Watson

Xiaomi

Wipro

Zenith Bank

Workday

Yara International

ZF Group

WorldQuant

YMCA of the US

Zurich Insurance Group

6.0 VACCINES – PAUSE, REASSESS AND RE-EXAMINE

6.1 Halted Trials: Oxford University/AstraZeneca Vaccine candidate

Now halted, AstraZeneca Trials Were on in India too

In a statement, AstraZeneca described its decision to halt trials as "routine action which has to happen whenever there is potentially unexplained illness in one of the trials".

Written by [Amitabh Sinha](#) | Pune | Updated: **September 9, 2020** 10:58:02 am



A sign featuring the AstraZeneca Plc logo stands at the company's **DaVinci building at the Melbourne Science Park** in Cambridge, U.K (Photographer: Jason Alden/Bloomberg)

The decision to halt the global clinical trials of a **coronavirus vaccine being developed by Oxford University and AstraZeneca**, after a serious side-effect was reported in a participant, might be a setback in the quest to get an early vaccine, but it could very well be a blessing in disguise.

It is likely to **temper the public expectation** and excitement about a vaccine being available very soon, ward off political pressure to rush through the development process and make it ready by a particular date, and force all the developers to scrupulously follow the process, even as they try to fast-track the development.

"This is nothing to be alarmed about as of now. These things happen quite routinely during vaccine or drug trials. The good thing is that despite the rush to produce a coronavirus vaccine, we still have systems in place that would pick these things out. So that is reassuring," said Shahid Jameel, a virologist.

"When such things emerge, you have to **pause, reassess, re-examine**. And that is what seems to be happening in this case. This is normal process, and this is how it should be," he said.

The **Oxford University/AstraZeneca candidate vaccine** is undergoing phase-3 clinical trials at more than 60 locations in the **United States**, and also in Brazil and South Africa. It is the same vaccine that was cleared for combined phase-2 and phase-3 trials in India. Those trials **also began last month**, and would be affected because of this decision.

This vaccine has for **long been considered to be one of the most promising** ones that are being developed. More **than a billion doses** of this vaccine has already been pre-booked by countries, even as the human trials were continuing.

In a statement, AstraZeneca has described the decision to **halt the trials** as "routine action which has to happen whenever there is potentially **unexplained illness** in one of the trials". It is being described as a precautionary step. Side-effects are not unexpected in the participants, but this one is reported to be not just serious but also unexplained as of now.

While there is **no question mark over the safety of the vaccine** as yet, this incident does highlight the uncertainties inherent in vaccine development, and the importance of scrupulously following all the steps in the clinical trials.

In the **current haste to produce a coronavirus vaccine**, considering the prevailing emergency health situation, several usual regulatory procedures have been **bypassed**, raising concerns among many scientists and experts. A coronavirus vaccine was earlier expected to be ready by early next year. That itself would have made it the fastest developed vaccine ever. But now there is an attempt, especially in the United States, to release the vaccine **this year itself**. There is also a political push to get the vaccine released before the November 3 Presidential election. President Donald Trump, who is seeking a re-election, has

repeatedly said that a vaccine could be available this year, possibly before the November 3 deadline as well. The availability of the vaccine is seen as boosting his re-election chances.

But elsewhere as well, there has been a rush to come out with a coronavirus vaccine, even if that meant skipping phase-3 clinical trials altogether. That is what has happened in the case of **Russian vaccine**, and **a couple of candidates in China**. These vaccines have been approved in their countries, without the phase-3 trials having been initiated. It is only now, after much criticism, that these vaccines are also preparing to undergo phase-3 trials.



Laboratory technicians work at the mAbxience biopharmaceutical company on an experimental coronavirus vaccine developed by Oxford University and the laboratory AstraZeneca in Garin, Argentina. (AP Photo: Natacha Pisarenko, File)

In the phase-1 of clinical trials, usually carried out on a small group of people, just about one or two dozen, researchers check whether the vaccine candidate is safe or not, meaning whether or not it induces any harmful side effects in the human body. The phase-2 trials, usually carried out on a few hundred participants, is mostly about checking whether the vaccine triggers adequate immune response in the body.

The phase-3 trials are the most comprehensive and time-taking. It is usually carried out among several thousand participants. The leading contenders for the coronavirus vaccine are trying to enrol between **20,000 to 60,000 participants for phase-3 trials**. The AstraZeneca vaccine intended to enrol 30,000 volunteers. This last stage of trials is all about checking the effectiveness of the vaccine in real-life situations, not in laboratory condition. Participants in this stage are allowed to go about their normal life. Some of the participants are given a placebo, or a dummy vaccine, and these form the control group, while the others get the real thing. No one knows what they have got. And after some time, all of them are assessed to see whether they have been able to ward off the infection. If those who have been give the real vaccine show a higher resistance to the disease than the control group, the vaccine is considered to be effective.

Coronavirus Explained

Kerala 13th state to cross one lakh; Maharashtra crosses 10 lakh

Why Oxford vaccine trial pause may not be a serious blow

As EPL is set to begin, here's the state of play

In the current case, regulators like the US Food and Drug Administration has said it would approve a vaccine if data showed it was at least 50 per cent effective.

Unlike phase-1 and phase-2 trials, where the volunteers are chosen to be healthy adults, phase-3 trials involve a very large number of participants some of whom can have underlying diseases or weaknesses. As a result, it is not unusual for a case like the current one to emerge during the trials.

Also, in phase-3 trials participants are usually followed up for several months, sometimes years, to see how they are responding. Such extended follow-ups are necessary also to assess how long the effectiveness of the vaccine stays.

6.2 About Johnson & Johnson

At Johnson & Johnson, we believe good health is the foundation of vibrant lives, thriving communities and forward progress. That's why for more than 130 years, we have aimed to keep people well at every age and every stage of life. Today, as the world's largest and most broadly based healthcare company, we are committed to using our reach and size for good. We strive to improve access and affordability, create healthier communities, and put a healthy mind, body and environment within reach of everyone, everywhere. Every day, our more than 130,000 employees across the world are blending heart, science and ingenuity to profoundly change the trajectory of health for humanity.



As always, Janssen remains committed to healthcare professionals and patients, as well as to our employees and communities

COVID-19 Coronavirus Infections

With the holidays coming soon, the U.S. is seeing its **highest number** of novel coronavirus cases to date.

Dr. Paul Stoffels, Vice Chairman of the Executive Committee, Chief Scientific Officer, Johnson & Johnson, and other healthcare professionals share tips on staying protected and quarantining effectively.

FOR COVID-19-RELATED MEDIA INQUIRIES, [CLICK HERE](#).

NEWS RELEASES

Johnson & Johnson Announces Agreement in Principle with [Gavi to Supply Janssen's COVID-19 Vaccine Candidate](#) to Lower-Income Countries in 2021

Johnson & Johnson Phase 3
COVID-19 Vaccine Trial ENSEMBLE Fully Enrolled

Johnson & Johnson Announces the Initiation of a Rolling Submission for its Single-dose Janssen COVID-19 Vaccine Candidate with [Health Canada](#)

Johnson & Johnson Announces Initiation of Rolling Submission for its Single-dose Janssen COVID-19 Vaccine Candidate with the [European Medicines Agency](#)

Johnson & Johnson Initiates Second Global [Phase 3](#) Clinical Trial of its Janssen COVID-19 Vaccine Candidate

Johnson & Johnson Prepares to Resume Phase 3 ENSEMBLE Trial of its Janssen COVID-19 Vaccine Candidate in the U.S.

Johnson & Johnson Temporarily [Pauses](#) All Dosing in Our Janssen COVID-19 Vaccine Candidate Clinical Trials

Johnson & Johnson Initiates Pivotal Global [Phase 3](#) Clinical Trial of Janssen's COVID-19 Vaccine Candidate

[Biopharm Leaders](#) Unite to Stand With Science

Johnson & Johnson Announces Agreement with [U.S. Government for 100 Million Doses](#) of Investigational COVID-19 Vaccine

Johnson & Johnson Announces [Acceleration](#) of its COVID-19 Vaccine Candidate; Phase 1/2a Clinical Trial to Begin in Second Half of July

Johnson & Johnson Announces a Lead Vaccine Candidate for COVID-19; Landmark New Partnership with [U.S. Department of Health & Human Services](#); and Commitment to Supply **One Billion** Vaccines Worldwide for [Emergency Pandemic Use](#)

Lack of Evidence to Support Use of [Darunavir](#)-based Treatments for SARS-CoV-2

Johnson & Johnson to Expand [Partnership with U.S. Department of Health & Human Services](#) to Accelerate the Discovery of Potential COVID-19 Treatment

Johnson & Johnson Announces Collaboration with the [Beth Israel Deaconess Medical Center](#) to Accelerate COVID-19 Vaccine Development

OUR RESPONSE TO THE PANDEMIC

Johnson & Johnson's response to COVID-19

The 5 stages of COVID-19 vaccine development: What you need to know about how a clinical trial works

4 Facts About Johnson & Johnson's Investigational COVID-19 Vaccine

Our commitment to frontline health workers battling COVID-19

Our commitment to employees during the global pandemic

Infographic: Mobilizing our resources to find solutions for COVID-19

Six Impactful Ways Johnson & Johnson is Helping in the Fight Against COVID-19

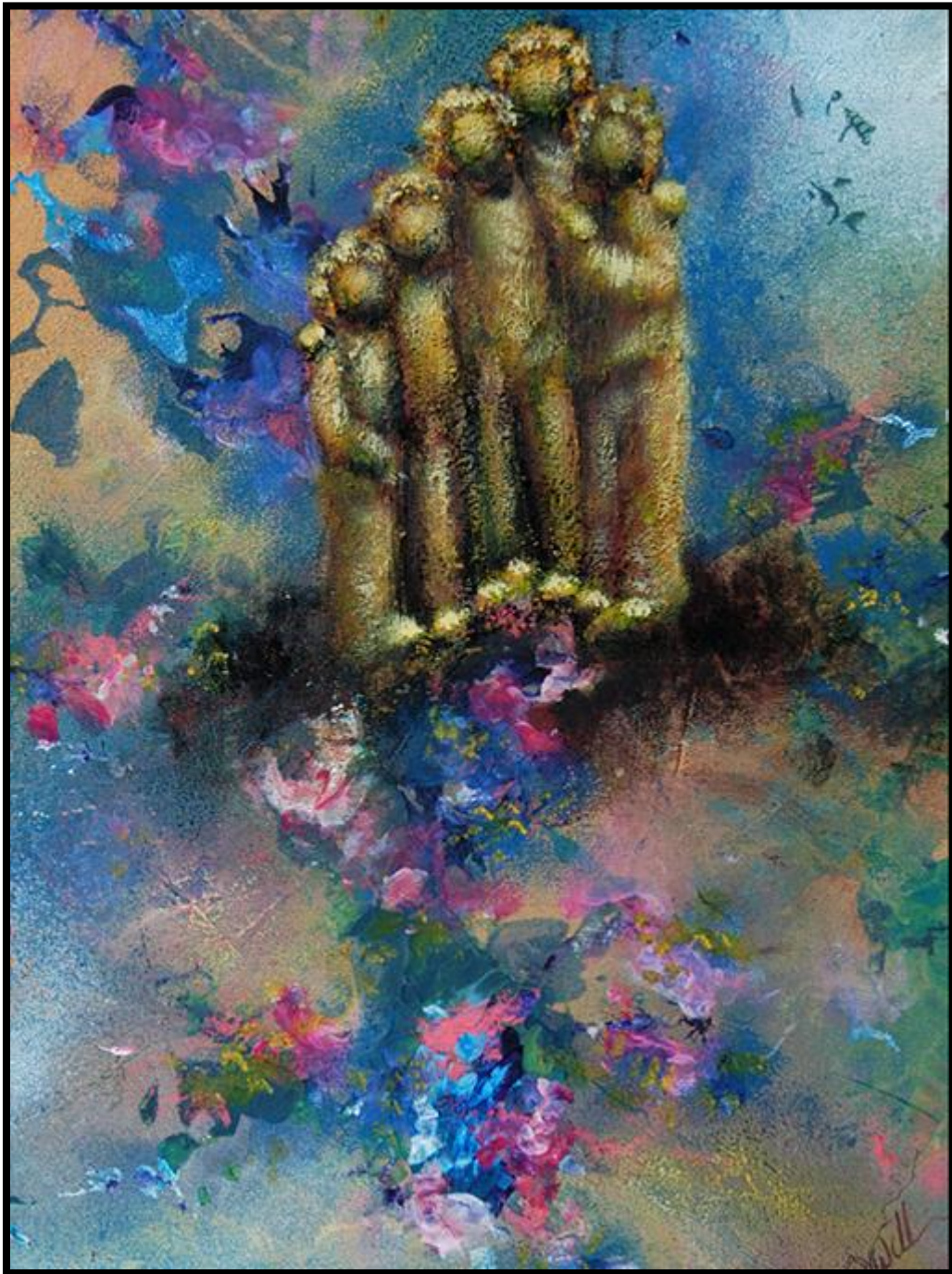
Six ways Johnson & Johnson is helping support the COVID-19 relief efforts

Ensuring stable access to medicines, products, devices and solutions

How our supply chain is responding to the COVID-19 pandemic

COVID-19 and Our Medicines: An Ethical Framework for Decision-Making

[CLOSE](#)



DONNA WILLIAMS

Family

An autistic artist, author and renowned autism advocate, Donna Williams used her talents to give people a glimpse into the world of someone living with autism. She passed away in 2017 from cancer.



DORETHEY GORHAM
Day Of The Armada

Dorethey is a joyful, self-taught artist living with arthritis, general anxiety syndrome and diabetes.

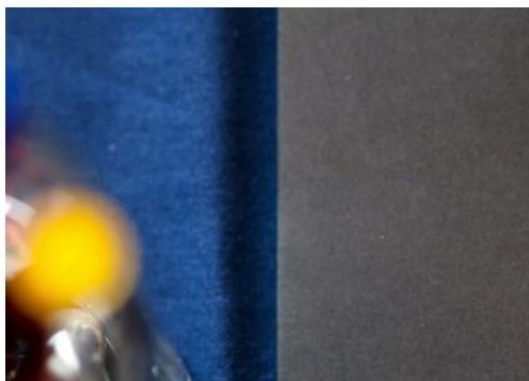
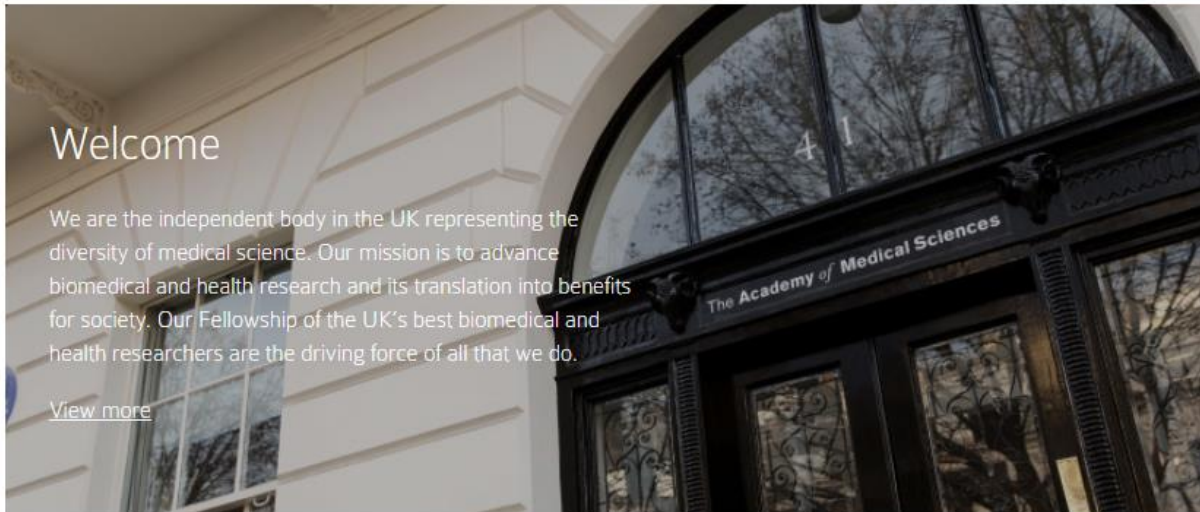
6.4 The Academy of Medical Sciences - Novartis Foundation

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About

We are the independent body in the UK representing the diversity of medical science. Our mission is to advance biomedical and health research and its translation into benefits for society.

We are working to secure a future in which:

- UK and global health is improved by the best research.
- **The UK leads the world** in biomedical and health research, and is renowned for the quality of its research outputs, talent and collaborations.
- Independent, high quality medical science advice informs the decisions **that affect society**.
- More people have a say in the future of health and research.

Our work focusses on four key objectives:

- Promoting excellence
- Developing talented researchers
- Influencing research and policy
- Engaging patients, the public and professionals

We are guided by the following values and characteristics.

- A **Fellowship** of the UK's best biomedical and health researchers
- An independent source of evidence-based and expert advice
- Connected to, and respected by, decision makers
- Focused on realising cross-disciplinary opportunities across academia, industry and healthcare.
- Committed to improving and celebrating diversity - in all its forms - in the biomedical and health research community
- Global in outlook, reach and influence
- Catalytic, inclusive and accessible in our approach
- Responsive to change and innovative in our solutions
- Adept at maximising our impact through partnership working
- [Click here to view a directory of staff.](#)
- Registered Charity number: 1185329
- Incorporated by Royal Charter. Registration number: RC000905

History

The **Academy of Medical Sciences** was established in 1998 following the recommendations of a working group chaired by **Sir Michael Atiyah** OM FRS PRSE HonFREng FMedSci.

Our establishment brought together biomedical scientists and clinical academics within a single national organisation with the express purpose of promoting the translation of advances in medical science into benefits for patients and the population at large.

The formation of the Academy has been documented in a book, 'First steps: a personal account of the formation of the Academy of Medical Sciences', by founder President, [Professor Sir Peter Lachmann](#).

Following a merger with the [Novartis Foundation](#) in 2008, the Academy took over the lease on 41 Portland Place. In October 2010 the building opened as the Academy's new headquarters and a [central London conference venue](#).

The Academy celebrated its 20th anniversary in 2018, and some of the Academy's achievements over its first 20 years can be [viewed here](#).

[Merger with the Novartis Foundation](#)

The Novartis Foundation

The Novartis Foundation, and its predecessor the **Ciba foundation**, had a distinguished history in the promotion of international discussion of biomedicine.

The Foundation was best known for its scientific symposia, which were held at the Foundation's headquarters at [41 Portland Place](#).

From 1947-2008, thousands of scientists attended meetings at 41 Portland Place, including 84 Nobel Laureates. These prestigious symposia were published as reports.

A full catalogue of all Novartis (Ciba) Foundation publications can be accessed through the [Wiley Online Library](#). Archives of all Novartis Foundation publications are also held by the British Library and the Academy of Medical Sciences.

The Novartis Foundation closed in 2008, following the Trustees' decision to merge with the Academy of Medical Sciences. In October 2010, 41 Portland Place re-opened as the headquarters of the Academy of Medical Sciences and a central London conference venue providing period and modern rooms for events and meetings.

[View information on room hire and conference facilities at 41 Portland Place.](#)

Helix Group

The **Helix Group** includes the Academy's most esteemed individual supporters who donate £250 or more each year to the Academy, providing valuable **unrestricted** funds.

The funding we receive from the group enables us to maintain our authority and **independence** and initiate work using the unique expertise provided by our Fellows, to address **unmet challenges** in the biomedical sciences. Helix Group members are publically recognised on a commemorative board in our Fellow's room, on our website and in our annual report. Members receive an annual update on Academy programmes, an invitation to the prestigious annual Helix Reception hosted by our President, Professor Sir Robert Lechler PMedSci and further invitations to Academy events.

If you have any questions, or to discuss how you can support the Academy further, please contact Lauren Treacher at lauren.treacher@acmedsci.ac.uk.

To join the Helix Group and support the Academy.

Global Challenges Research Fund Networking Grants

The awards provide up to £25,000 over one year to support collaborations between developing countries and the UK and to hold networking events aimed at addressing global challenges.

Key dates

Round 7 is now closed for applications

Outcomes from **Round 6** of the scheme will be released shortly

The scheme allows researchers from across disciplines and from developing countries and the UK to hold networking events, to forge new links and generate innovative transdisciplinary research ideas to address global challenges. We expect that these new networks will then be better equipped to apply for larger grants offered by the [GCRF programme](#) and other funding initiatives.

Impact of Covid-19 - The Academy will be as flexible as possible to support all our researchers around the challenges to their work from Covid-19. We acknowledge that Covid-19 may have an impact on the applicant's ability to carry out traditional in person networking events, in the short term. We encourage applicants to be creative in considering how networking events might be delivered remotely should this be appropriate. For up to date information on the Academy's response to Covid-19, please see our [information hub](#) and [FAQs for applicants and award holders](#).

[Background](#)

[Eligibility](#)

[What is offered](#)

[Awards Panel](#)

[Reporting](#)

The Academy of Medical Sciences is delighted to be working with the [British Academy](#), the [Royal Academy of Engineering](#) and the [Royal Society](#) to offer Global Challenges Research Fund (GCRF) Networking Grants, available through the GCRF, which is part of the [UK's Official Development Assistance](#) (ODA). The [GCRF](#) is an initiative that aims to support cutting-edge interdisciplinary research that addresses the global issues faced by **developing countries**. The GCRF is administered through 17 delivery partners including the Research Councils, the UK National Academies, the UK Space Agency and other funding bodies.

The GCRF Networking Grants will be delivered as part of the [Joint Academies Resilient Futures](#) programme. The Academy of Medical Sciences will work collaboratively across the GCRF delivery partners to ensure that these grants provide opportunities for researchers, drawn from a wide spectrum of disciplines and backgrounds, to develop new collaborations, improve interaction between UK researchers and those in developing countries and build communities of researchers that can submit high quality applications for other GCRF funding calls.

The Academy runs a range of projects supported by funding from the GCRF: click [here](#) to find out more about our GCRF policy work including upcoming GCRF policy workshops.

How to apply

Applications are invited from researchers affiliated to institutions in [DAC-listed countries](#) in collaboration with researchers within eligible UK higher education institutions (HEIs).

You will need to apply for the programme using the Academy's online grant management system: Flexi-Grant. We do not require a hard-copy to be sent by post. You can download a sample of the application form and the guidance notes from the right hand side of this page, and a word version of the form is available upon request for the purposes of preparing your submission (only when the round is open to applications). Please note that all final submissions must be made through the online portal.

6.4.1 Martin Nowak

Screenshots about Martin Nowak.

MARTIN A. NOWAK Curriculum Vitae

Personal Information

Name: Martin Andreas Nowak
 Address: Program for Evolutionary Dynamics, Harvard University
 Cambridge, Massachusetts, United States
 Email: martin_nowak@harvard.edu
 Website: ped.fas.harvard.edu & martinnowak.com
 Degrees: M.Sc. Vienna
 Ph.D. Vienna
 M.A. (honoris causa) Oxford
 A.M. (honoris causa) Harvard
 Ph.D. (honoris causa) Cuza University of Iasi
 Ph.D. (honoris causa) Dominican School of Philosophy and Theology

Current Position

Professor, Mathematics and Biology, Harvard University
 Director, Program for Evolutionary Dynamics, Harvard University

Education

1975-1983 Albertus Magnus Gymnasium in Vienna
 1983-1989 University of Vienna, studying Biochemistry and Mathematics
 1985 First Diploma: Biochemistry (first class honors)
 1987 Diploma thesis: Theoretical Chemistry
 1987 Second Diploma: Biochemistry (first class honors; finished one year faster)
 1987-1989 Doctoral thesis: Mathematics
 1989 Final exams for degree *Doctor rerum naturalium* (with highest honors)

Scientific Career

Vienna:

1987-1988 Institute for Theoretical Chemistry, Peter Schuster
 1987-1989 Institute for Mathematics, Karl Sigmund
 1988 Max Planck Institute for Biophysical Chemistry, Göttingen, Manfred Eigen
 1993 "Habilitation" at the Institute of Mathematics, University of Vienna

Oxford:

- 1989-1990 Erwin Schrödinger Scholarship to work with Robert May (Lord May of Oxford)
- 1990-1992 Guy Newton Junior Research Fellow, Wolfson College
- 1991 Royal Society Research Grant
- 1992-1998 Wellcome Trust Senior Research Fellow in Biomedical Sciences
- 1993-1996 E. P. Abraham Junior Research Fellow, Keble College
- 1995-1998 Head of Mathematical Biology Group
- 1996-1998 Senior Research Fellow, Keble College
- 1997-1998 Professor of Mathematical Biology

Princeton:

- 1998-2003 Head, Program in Theoretical Biology, Institute for Advanced Study
- 1999-2003 Associated Faculty, Princeton University, Ecology and Evolutionary Biology
- 2000-2003 Associated Faculty, Princeton University, Program in Applied and Computational Mathematics

Harvard:

- 2003 - Professor, Biology and Mathematics
Director, Program for Evolutionary Dynamics

Prizes, Named Lectures, Memberships

- 1990 *Promotion sub auspiciis praesidentis rei publicae* (a distinction given to those who have passed all major exams during school and university with the best mark)
- 1990 Prize from the Austrian Science Minister
- 1995 Richardson Lecture, Keble College
- 1996 Weldon Memorial Prize (given every 2-3 years for outstanding contributions to Biometric Science; previous winners include: Ronald Fisher, JBS Haldane, Sewall Wright, Motoo Kimura, Robert May, David Cox)
- 1997 Shanks Lecture, Vanderbilt University, Nashville, Tennessee
- 1998 Albert Wander Prize and Memorial Lecture, University of Bern, Switzerland
- 1999 Porter Lecture, Rice University, Houston, Texas
- 1999 Erwin Schroedinger Lecture, University of Vienna, Austria
- 1999 Akira Okubo Prize, International and Japanese Society for Mathematical Biology
- 1999 Roger F. Murray Prize, Institute for Quantitative Research in Finance
- 2000 Gergen Lecture, Duke University
- 2001 Benjamin Pinkel Lecture, University of Pennsylvania
- 2001 Corresponding Member, Austrian Academy of Sciences
- 2001 Rainich Lectures, University of Michigan, Ann Arbor
- 2001 David Starr Jordan Prize, Stanford University, Cornell University, Indiana University
- 2003 Henry Dale Prize. The Royal Institution. London

2006	Invited Lecture, Congress for Mathematics, Madrid
2006	R.R. Hawkins Award for <i>Evolutionary Dynamics</i> , Professional and Scholarly Publishing Division of the American Association of Publishers
2007	Radon Lecture, Austrian Academy of Sciences
2008	Coxeter Lectures, Fields Institute, Toronto
2010	Templeton Lectures, Johns Hopkins University
2010	Doctor Honoris Causa, Alexandru Ioan Cuza University of Iasi, Romania
2011	Max Planck Lecture, Stuttgart, Germany
2012	MBI 10th Anniversary Keynote talk, Ohio State University
2012	Plenary speaker, Canadian Mathematical Society
2013	Plenary speaker, International Congress of Ecology, London, England
2013	Simons Lecture, Institute for Mathematics and its Applications, The Simons Foundation, Minneapolis
2013	Andre-Aisenstadt Chair, Centre de Recherches Mathématiques, Montreal
2014	Plenary Opening Talk, Nephrology Conference, Baden, Austria
2014	Keynote Lecture, 11th Austrian Research and Innovation Talk (ARIT), MIT Media Lab
2015	Plenary speaker, Collins Lecture Series, Massachusetts General Hospital
2015	Plenary speaker, Drug Discovery and World Therapy Congress, Boston
2016	Invited Lecture, Fermilab, Illinois
2016	Sewall Wright Speaker, University of Chicago

2016	Fannie Cox Prize for Excellence in Science Teaching
2017	AACR Team Science Award
2018	The Edmund R. Michalik Distinguished Lecture Series, University of Pittsburgh

Research Interests

Evolutionary dynamics
 Cancer evolution and treatment
 Infection dynamics
 Quasispecies theory
 Genetic redundancy
 Evolutionary game theory
 Adaptive dynamics
 Finite populations
 Evolutionary graph theory

Evolutionary set theory
 Evolution of language
 Cooperation, fairness, reputation
 Indirect reciprocity
 Group selection
 Experimental games
 Origin of evolution, prolife
 Evolution of eusociality

Books

Nowak M. A & R. M. May (2000). *Virus Dynamics: Mathematical Principles of Immunology and Virology*. Oxford: Oxford University Press.

Nowak, M. A. (2006). *Evolutionary Dynamics: Exploring the Equations of Life*. Cambridge, MA: Harvard University Press.

Nowak, M. A. & R. Highfield (2011). *SuperCooperators: Why We Need Each Other to Succeed*. Simon & Schuster.

Coakley, S. & M. A. Nowak, eds. (2013). *Evolution, Games, and God: The Principle of Cooperation*. Harvard University Press.

Selected Publications

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Reiter, J. G., Makohon-Moore, A. P., Gerold, J. M., Hevde, A., Attiveh, M. A., Kohutek, Z. A., Tokheim, C. J., Brown, A., DeBlasio, R. M., Nivazov, J., Zucker, A., Karchin, R., Zinkler, K. W., Jacobuzio-Donahue, C.A., Vogelstein, B., & Nowak, M.A. (2018). Minimal functional driver gene heterogeneity among untreated metastases. *Science* 361: 1033-1037. DOI: [10.1126/science.127171](https://doi.org/10.1126/science.127171) [PDE & SI](#)

Makohon-Moore, A. P., Matsukuma, K., Zhang, M., Reiter, J. G., Gerold, J. M., Jiao, Y., Sikkema, L., Attiveh, M. A., Yachida, S., Sandone, C., Hruban, R. H., Klimstra, D. S., Papadopoulos, N., Nowak, M. A., Kinzler, K. W., Vogelstein, B., & C.A. Jacobuzio-Donahue (2018). Precancerous neoplastic cells can move through the pancreatic ductal system. *Nature* 561: 201–205. DOI: [10.1038/s41586-018-0481-8](https://doi.org/10.1038/s41586-018-0481-8) [PDE & SI](#)

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7.0 BIOWEAPONS

7.1 KGB Defector – Covid Vaccine is a Genocidal Bioweapon¹²

*Note: Key extracts from a KGB Defector: "... The speaker, Dr Igor Shepherd, worked for many years in the former Soviet Union as a medical professional specializing in the development of deadly bio-weapons. He knew that this top-secret program was devoted to the advancement of world Communism and would be used one day to destroy the United States. At that time, steeped in Communist ideology, he saw **nothing wrong** with the **murder of a hundred million people**. Both he and his colleagues believed it was a small price to pay for the creation of a worldwide Communist utopia. ... Dr Shepherd held a senior position for about seven years with the Department of Public Health in the state of Wyoming but was recently removed pending an investigation into the talk he gave on 10 November. Both he and his wife, June, knew that his career would suffer if he took this step..." Igor Shepherd indicts Donald Trump and says **Trump is on the Board of the World Economic Forum** and aligned with Agenda 2030. That will come as a shock to many Christians who believe he is a saviour of sorts: "...He instead followed Agenda 2030's governing rules that puts more power of governance onto local jurisdictions. It was a brilliant scheme to dismantle our nation. More proof of Trump's allegiance to the global order is that he has not done one thing to stop the illegal orders by any of these governors or mayors. Though we hear him rant about the unfairness, we will never see him stop the unfairness. This is because he is on board with the World Economic Forum and Klaus Schwab and other global leaders in pushing forward a New World Order (which includes enforcing **unsafe vaccinations** onto the population via military force)." – Igor and June Shepherd [text from their website]..." The vaccines are dangerous and the intent is to transform the western world: "...Disarming Americans with vaccines. "The vaccines have nothing at all to do with our health, but everything to do with **controlling our minds and bodies**. They are part of the pre-planned hoax pandemic with which to undermine our way of life in every aspect we can imagine. They will **control** what we eat, where we go, what we do, and how we think if **we do not rise together in unity** and push back. They know that as they continue to strip Americans of more freedoms, there will eventually be a huge opposition of armed Americans rising up. ...Vaccinating the population rapidly (Operation Warp Speed) ... is a brilliant tactic with which to **take out hundreds of thousands of citizens without firing one shot**. Injecting them with **toxic or DNA-altering** vaccinations would slowly paralyze the nation and allow for the completion of the New World Order's Great Reset."...The real concern of bioweapons is as follows: "...Because there is no pandemic, and the virus is a hoax, I believe that these vaccines are biological weapons of mass destruction, and will be used to **depopulate the world**, as well as alter the **human genome for other sinister reasons** that will benefit their agenda... These Covid-19 vaccines are weapons for a soft kill, like the other numerous toxic drugs put on the market for decades, but much worse because they now have the technology to mess with our original human genome...They will get away with mass murder because if, in **six months or a year, hundreds or thousands of deaths occur**, it can be blamed on "other factors" and not the Covid vaccine. This is the way silent biowarfare works...*

The Great Reset is a planned communist regime-style global government, currently underway (by force) via the pre-planned and hoaxed Covid-19 pandemic. It is a totalitarian global agenda that came into popularity in 1987 through the United Nations. It was titled Agenda 21 because the goal was to completely reset all world governments and economies by the year 2021. Since they are unable to finalize that goal by 2021 and needed to extend their timeline (though they have made massive headway this year, in 2020, using this pandemic), Agenda 21 has been updated to Agenda 2030. This gives them an additional ten years to complete the global takeover."

Nearly all leaders support the New World Order. "Almost every leader in the world, including President Donald Trump, is behind implementing Agenda 21 / Agenda 2030 / Sustainable Development as a new way of life, or plainly put, as a new way of tyrannical life under their technocratic New World Order."

"How can we trust companies manufacturing the Covid-19 vaccines when they support a global agenda which endorses depopulation? How can we be sure they have developed vaccines that are actually safe for us and will not be used for sterility purposes, slow-term genocide, or DNA-altering....?"

¹² <https://truth11.com/2020/12/07/kgb-defector-covid-vaccine-is-a-genocidal-bioweapon/>



Henry Makow

Left, KGB Toxicologist Igor Shepherd, 54 —

"I am a Russian military doctor, and lived in Russia under communism, until I relocated to America in 1993. During my military service in the Soviet Army, during the late 1980's, my commanders continually pummelled the cadets with **Russia's aim to transform the western world into global communism**. Their plans to do this was not through an invasion of war, but through **careful infiltration into governments and universities**. In March of 2020, as I watched US governors, one by one, forsake scientific medical rationale and proper pandemic response protocol, and shadow communist China's unrealistic and harsh responses to the new coronavirus outbreak, I knew the infiltration to transform the western world into communism was in full momentum, and that the **Covid-19 pandemic was an utter and complete ruse with which to reset the world's governments and enslave humanity.**" — Igor Shepherd [text from his website]

KGB Defector Unveils Communist Plot Behind Covid

Warning Sounded at Lakeland Church

by Jeremy James

<http://www.zephaniah.eu/>

(excerpts by henrymakow.com)

We recently received a link to a courageous talk given by a **former Russian citizen in a church in Loveland, Colorado, on 10 November 2020**. The talk, which is about 90 minutes long, may be found at: <https://drive.google.com/file/d/1igLAApM7vkRIZZbmPOTgoUFqsbAoOOIF/view> Since it contains a stinging indictment of the **betrayal of the American people** by their own leaders, it is not likely to remain accessible for very long.

The speaker, Dr Igor Shepherd, worked for many years in the **former Soviet Union as a medical professional specializing in the development of deadly bio-weapons**. He knew that this top-secret program was devoted to the **advancement of world Communism** and would be used one day to **destroy** the United States. At that time, steeped in Communist ideology, **he saw nothing wrong with the murder of a hundred million people**. Both he and his colleagues believed it was a small price to pay for the creation of a **worldwide Communist utopia**. ... Dr Shepherd held a senior position for about seven years with the Department of Public Health in the state of Wyoming but was recently removed pending an investigation into the talk he gave on 10 November. Both he and his wife, June, knew that his career would suffer if he took this step.

As a former KGB officer, having grown up in the Soviet Union and worked closely with the Russian military, he knows that the **planned Communist conquest of all nations** has been continuously active since the formation of the Soviet Union in 1917. The supposed **"fall" of the Soviet Union** in 1991 was merely a **reorganization** of the way it functioned. The same **Elite group** remained in control throughout. The biographical information on his website (<https://www.stopthevaccine.com/>) includes the following details about his time in the Soviet Union: "He grew up in the Soviet Union in St. Petersburg, Russia, and graduated from the **SM Kirov Military Medical Academy as a military medical doctor** of internal medicine. He trained under the Russian Strategic Rocket Force and specialized in military **toxicology, infection control, CBRN proliferation, weapons of mass destruction, and nuclear/biological/chemical warfare.**"

Claims include:

Trump is a traitor. "Trump participated in the lockdowns and [social] distancing and civil rights violations by **ignoring the Supreme law** of our land. He instead followed **Agenda 2030's** governing rules that puts more power of governance onto local jurisdictions. It was a brilliant scheme to dismantle our nation. More proof of Trump's allegiance to the global order is that he has **not done one thing to stop** the illegal orders by any of these governors or mayors. Though we hear him rant about the unfairness, we will never see him stop the unfairness. This is because he is **on board with the World Economic Forum and Klaus Schwab and other global leaders in pushing forward a New World Order** (which includes enforcing unsafe vaccinations onto the population via military force)." – Igor and June Shepherd [text from their website]

Disarming Americans with vaccines. "The vaccines have **nothing at all to do with our health**, but everything to do with **controlling our minds and bodies**. They are part of the **pre-planned hoax pandemic** with which to **undermine our way of life** in every aspect we can imagine. **They will control what we eat, where we go, what we do, and how we think if we do not rise together in unity and push back.** They know that as they continue to **strip Americans of more freedoms**, there will eventually be a huge opposition of armed Americans rising up. ...Vaccinating the population rapidly (Operation Warp Speed) ... is a brilliant tactic with which to **take out hundreds of thousands of citizens without firing one shot**. Injecting them with **toxic or DNA-altering vaccinations would slowly paralyze the nation** and allow for the completion of the New World Order's Great Reset." – Igor and June Shepherd [text from their website]

Planned 'pandemic.' "One thing that is certain, UN Agenda 2030 **would not have been possible to accomplish this fast and quickly without the Covid-19 pandemic. This pandemic was pre-planned in order to open the portal to the global elites' decades-long goal to rule the world with an iron fist.** There is a Federal German Pandemic Response Document (starting on page 55) put out in 2012 that describes a pandemic scenario almost **exactly** like we see going on today. The virus in their scenario is named 'modisars' (**modified coronavirus**)... The document is uncanny because it predicts the pandemic will last 2 to 3 years, with... **'waves' of the virus, strict responses, food shortages, civil unrest, and societal changes.**" – Igor and June Shepherd [text from their website] Note: The Federal German document (in English) may be found at https://matrixhacker.de/pdf/BT-Bericht_Schmelzhochwasser_ENconverted.pdf

Mask-wearing. "Only **tyrants and people who hate humanity** would force young children and the elderly to be **deprived of the vital oxygen** needed to ensure good health. Causing everyone to give up their rights to breathe fresh air is absolutely diabolical and insane. And yet, these **madmen** running our country are getting away with all of these **civil rights violations** because the citizens are allowing the travesty without a peep of defiance." – Igor and June Shepherd [text from their website]

Technocracy. "**Technocracy is an ideological system of governance** in which those in power (the technocrats) control the masses and run nations through advanced technical knowledge. This is one reason why the 5G wireless technology was important, and rolled out, despite the scientific proof of its health dangers. The lockdowns, business closures, and distancing is part of a conditioning to prepare the masses for this type of harshly-regulated lifestyle." – Igor and June Shepherd [text from their website]

Silent biowarfare. "Because there is no pandemic, and the virus is a hoax, I believe that these vaccines are **biological weapons of mass destruction, and will be used to depopulate the world, as well as alter the human genome for other sinister reasons that will benefit their agenda**... These Covid-19 vaccines are weapons for a soft kill, like the other numerous toxic drugs put on the market for decades, but much worse because they now have the technology to mess with our original human genome. They will get away with **mass murder** because if, in six months or a year, hundreds or thousands of deaths occur, it can be blamed on "other factors" and not the Covid vaccine. This is the way silent biowarfare works. " – Igor Shepherd [text from his website]

The Great Reset. "The Great Reset is a planned communist regime-style global government, currently underway (by force) via the pre-planned and hoaxed Covid-19 pandemic. It is a totalitarian global agenda that came into popularity in 1987 through the United Nations. It was titled Agenda 21 because the goal was to completely reset all world governments and economies by the year 2021. Since they are unable to finalize that goal by 2021 and needed to extend their timeline (though they have made massive headway this year, in 2020, using this pandemic), Agenda 21 has been updated to Agenda 2030. This gives them an additional ten years to complete the global takeover." – Igor Shepherd [text from his website]

Nearly all leaders support the New World Order. "Almost every leader in the world, including President Donald Trump, is behind implementing Agenda 21 / Agenda 2030 / Sustainable Development as a new way of life, or plainly put, as a new way of tyrannical life under their technocratic New World Order." – Igor and June Shepherd [text from their website]

Depopulation, sterilization and slow-term genocide. "How can we trust companies manufacturing the Covid-19 vaccines when they support a global agenda which endorses depopulation? How can we be sure they have developed vaccines that are actually safe for us and will not be used for sterility purposes, slow-term genocide, or DNA-altering....?" – Igor and June Shepherd [text from their website]

Bill Gates and the vaccine companies. "Bill Gates, who is behind all of the Covid-19 vaccine companies for the US, was caught hiding sterility hormones HCG in his tetanus shot in Africa and the Philippines, causing infertility in thousands of women. Do you really believe these same people care anything at all about your health? The Covid-19 vaccines are not developed to save your life, but rather to depopulate, change the makeup of humanity through genetic engineering, and control populations." – Igor and June Shepherd [text from their website]

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Related- Gary Barnett- Dr. Shepherd's Talk about Vaccine Horror

Wyoming Health official Calls Covid Communist Plot

Original Article: <https://henrymakow.com/2020/12/Covid-Vaccine-is-a-Genocidal-Bioweapon.html>

7.2 Lethal BioWeapon & GSK Golden Vaccine's Ring with Bill Gates, Pentagon and Zionist's BlackRock

*Note: WHO's risk assessment on the right hand side of the picture states 'very high'. This is erroneous if fatality rates are a guide to risk. In Australia there is low risk. Lockdowns are not recommended by WHO yet Italy locked down with similar restrictions as other countries, clearly reflecting a coordinated COVID-19 alleged pandemic. Early on in the pandemic bioweapons or biogenetic weapons were suggested as follows: "...Around it, the tangle of information becomes increasingly tangled which, starting from the theory of a biogenetic weapon, leads to investigating the possible perpetrators and those who will inevitably become richer thanks to the epidemic. Among these will almost certainly be the **"dark-queen of vaccines"** Glaxo Smith Kline, financed by various **Pentagon** agencies and participated in by numerous American investment funds, already identified as the main speculators in the lobby of the corporations of arms. Among them also the notorious BlackRock founded by the New York Zionist Larry Fink..."* The author of the article makes clear parallels with wars and vaccines. He suggests Five Eyes is supporting GSK: *"...As wars are needed to increase defense market earnings, epidemics are critical to allowing vaccines Big Pharma to continue to deliver large dividends to investors. Now it is the Bill & Melinda Gates Foundation, through an international body participated by various countries including **three of the "Five Eyes"** intelligence circuit, to support GSK (sentenced in various states for **violations and crimes**) in the search for the vaccine which – obviously – it may have already been identified for some time and only to be tested..."* Biogenetic weapons target groups: *"...An alarm was prophetically announced by the Center for the Study of Existential Risk (CSER) of the University of Cambridge which is an August report highlighted the dangers of technology in the war because «a bio-weapon could be built to target an ethnic group-specific on the basis of its genomic profile defining this eventuality extremely harmful and potentially unstoppable..."*

*The author discusses both Italy and Iran. Is COVID-19 a cover for a bioweapon where people are being targeted? "...Among the 145 dead there is also **Hossein Sheikholeslam, former Iranian ambassador to Syria**, adviser to Foreign Minister Javad Zarif and deputy foreign minister from 1981 to 1997, who died on Thursday 5 March at 67 years of age due to CoVid-19 that infected others 23 MPs, various senior civil servants and members of the government such as Masoumeh Ebtekar, vice president with delegation to the family, and **Iraj Harirch, vice-minister of health**...On Monday died also Mohammad Mirmohammadi, **senior adviser to the Supreme Guide, Ayatollah Ali Khamenei**...Sheikholeslam had been one of the leaders of the so-called "Muslim Student Followers of Imam's Line" who had taken 52 US diplomats hostage on November 4, **1979**, and released them after 444 days during the Islamic Revolution in Iran... This is why Iran appears to be hit so severely; in other words, the coronavirus is being used as a smokescreen to conceal the fact that the real enemies of Iran are deliberately targeting the Iranian people, Fetzer told Press TV on Thursday..."* A US bioweapon is suggested: *"... Even before the toll in China reached the current 3,045 dead and 80,711 infected, the Chinese Communist Party had called the pandemic a biological weapon of the USA following the revelations of Asian scientists on the anomalous "modeling" of the S protein..."* As reported first by Veterans Today and then by Gospa News, the American journalist Jeff Brown, founder with other international journalists and authors of the **Bioweapon Truth Commission**, an independent research organization on the history and innovations of biological weapons, has supported this thesis, that with the passing of the hours finds more and more supporters...I encourage Iranian scientists to examine the virus to see if it is, or is not, the same as the virus that is alleged to be causing such harm around the world added the academic referring explicitly to «a plot to damage Iran...

In a previous article, we highlighted how one of the major outbreaks occurred in the city of Qom, not only home to the country's most important Shiite mosque but also to the underground nuclear power plant practically impervious to missiles. "I believe that what is going on is, under the cloak of the alleged coronavirus epidemic, that biological warfare is being conducted against Iran by Zionist elements who are taking advantage of the situation."

*Were there two versions or are these biotechs part of a larger agenda? "...Researchers from the School of Life Sciences of the **University of Beijing and the Institut Pasteur of Shanghai, under the supervision of the Chinese Academy of Sciences**, claim to have discovered the existence of two versions of Covid-19 from a preliminary case study of Wuhan conducted through autopsies on the bodies of the deceased..."* Several reports suggest that there are components of the virus that are **related to HIV** that could not have occurred naturally. If it is correct that the virus had either been developed or even produced to be weaponized it would further suggest that its escape from the Wuhan Institute of Virology Lab and into the animal and human population could have been accidental. Technicians who work in such environments are aware that "leaks" from laboratories occur frequently.

CEO: "...Emma Walmsley, GSK Ceo and director in Microsoft corporation: At only 49 years of age, Emma Walmsley is in the button rooms of two financial empires: she is in fact CEO and Executive Director of GSK since 2017 but since 2019 she is also director (non-executive) of Microsoft Corporation, the IT giant that made billionaire its founder Bill Gates (aka William Henry Gates III).

Investors: Although GSK is based in the most granitic financial city in the world, in London, it is actually 15% owned by some international American speculative funds such as BlackRock, The Vanguard, Capital & Research Management that Gospa News has well analyzed in the various dossiers on shareholders of the most important corporations of the military holdings in the world...

CEPI and GSK today announced a new collaboration aimed at contributing to the global commitment in the development of a vaccine against the 2019-nCoV virus. As part of this collaboration, GSK will make its technology available with the already consolidated adjuvant platform for the pandemic vaccine and available to allow progress towards the development of an effective vaccine against the 2019-nCoV virus, reads the press release published last February 3 on the official GSK website.

GSK is a leading company in the development of innovative vaccines through the use of numerous adjuvant systems. An adjuvant is added to specific vaccines to promote the immune system's response, creating stronger and longer-lasting immunity against infections than a vaccine without an adjuvant would do. The use of adjuvants is particularly important in a pandemic situation because it can allow the reduction of the number of antigens necessary for each dose of vaccine, thus allowing to produce a greater number of vaccine doses and to make them available to a greater number of people.

The first agreement to formalize this agreement was signed between GSK and the University of Queensland (Australia), in January 2019, through a collaboration with CEPI for the development of a vaccination platform equipped with a "molecular gripper" with the aim of allowing the rapid production of vaccines targeted against various viral pathogens.

CEPI has extended funding to support the development work of a 2019-nCoV virus vaccine candidate and access to GSK's adjuvant technology will now allow support for this research even in the early stages.

Lethal BioWeapon & GSK Golden Vaccine’s Ring with Bill Gates, Pentagon and...

- **Investigations**



COVID-19 killed 67yo Iranian former ambassador in Syria and Revolutionary leader. Quarantine for whole Italy. Infected Governors of Rome and Turin lands

By Fabio Giuseppe Carlo Carisio

-

March 7, 2020

by Fabio Giuseppe Carlo Carisio for VT Italy

UPDATE 9 MARCH 2020

While learning the news that the **Governor of Piedmont, Alberto Cirio** (Forza Italy party), also **tested positive** for CoronaVirus in the hours when he was **monitoring the situation to ask for more restrictive measures** to the Government of the Italian Republic, Prime Minister Giuseppe Conte, to notes forwarded, it communicated the prescriptions of the new decree that **quarantines for whole Italy.**

CoronaVirus has now infected more than 100,000 people worldwide and has killed over **3,000** in a dramatic report very hard to update. The total cases have risen to total cases thus rise to 9.172 in our country, 1,797 more than yesterday. Among these, 7,985 are currently positive, 724 the total healed (+102 over yesterday) and 463 the victims (+97).

The whole of Italy has been declared a "red zone" by the government with all the restrictions on travel and public gatherings already in force in Lombardy and in 14 provinces. In the final document, there are generalized limitations for all of Italy, including the stop to pubs, discos, game rooms, and cinema and theater events.

The movements will be limited, save the possibility of returning to your home, and the bars and restaurants will have to close at 18 and for the rest of the day guarantee distances of at least one meter. Those with a fever of 37.5 are invited to stay at home, those in quarantine are strictly prohibited from going out.



LHS: Alberto Cirio, the Governor of Piedmont tested positive at CoronaVirus

In a direct on Facebook followed by over 1 thousand people, the president of the Piedmont Region Alberto Cirio announced that he will continue to work for the institution "inevitably at a distance" from his home but has focused above all on the provisions of the new decree which, among other limitations, in the areas most at risk, imposes the closure of shopping centers on holidays and pre-holidays but allows every worker or freelancer to travel necessary for your business.

A POST ON MARCH, 7, 2020

The CoronaVirus emergency will soon be declared a **global pandemic** by the World Health Organization even if for many virologists, scientists and journalists, including the writer, it has already been **defined and treated as such for at least a month**.

As previously announced by Gospa News on February 23, 2020, this is a worldwide catastrophe, the economic and human damage of which will be known only in a few months or years.

Around it, the tangle of information becomes increasingly tangled which, starting from the theory of a **biogenetic weapon**, leads to investigating the possible **perpetrators** and those who will inevitably become **richer** thanks to the epidemic.

Among these will almost certainly be the **"dark-queen of vaccines" Glaxo Smith Kline**, financed by various **Pentagon** agencies and participated in by numerous American investment funds, already identified as the main speculators in the lobby of the corporations of **arms**. Among them also the notorious **BlackRock** founded by the **New York Zionist Larry Fink**.

As wars are needed to increase defense market earnings, epidemics are critical to allowing vaccines Big Pharma to continue to deliver large dividends to investors.

Now it is the **Bill & Melinda Gates Foundation**, through an international body participated by various countries including **three of the "Five Eyes" intelligence circuit, to support GSK** (sentenced in various states for violations and crimes) in the **search for the vaccine** which – obviously – it may have **already been identified** for some time and only to be tested.

read more – VETEGETABLE DRUG WITH FLOWER'S ROOTS AGAINST COMMON COLD AND BRONCHITIS

The financial weaves and the suspicious coincidences are such and so many that the reportage cannot be short. The numbers that we will cite only serve to give a **reference on the mortality rates** of some countries as the death toll, unfortunately, worsens hour by hour making the hypothesis of an epidemic caused by a **biogenetic weapon** with "damage" increasingly well-founded collateral "for the same people who could have launched it, less worried than the others because, in this tragic event, **they would certainly have developed the indispensable vaccine first**."

An alarm was **prophetically** announced by the Center for the Study of Existential Risk (CSER) of the **University of Cambridge** which is an August report highlighted the dangers of technology in the war because «a bio-weapon could be built to target an ethnic group-specific on the basis of its **genomic profile**» defining this eventuality extremely harmful and potentially **unstoppable**.

POLITICIANS INFECTED AND DEAD DUE TO PANDEMIC

In fact, the World Health Organization report on infected and deceased is already old as soon as it is published. The latest, number 47 of March 7, reports 101,927 infections in the world and 3,073 deaths: among them **233 in Italy**, according to RAI News, and **145 in Iran**, for PRESS TV.

The **rapidity** of the increase in cases and deaths makes it **difficult** to have an updated picture of the phenomenon which, according to the admission of the Italian **WHO manager Walter Ricciardi**, "within seven maximum ten days the headquarters of Geneva WHO will proclaim the **pandemic state**" as soon as it has received consolidated data also from Africa and South America on the number of infections.

The scenario in Italy is almost **apocalyptic**, given that after the closure of all the schools, the government launched the postponement to May 31 of the **less serious criminal proceedings** (after the contagion of some **judges** in Milan) and exceptional measures in the health field with the possibility of **seizing hotels for quarantines** as CoVid-19 positives reached 5,061.



Nicola Zingaretti, governor of Lazio and Democratic Party secretary, during a press-conference

Among the **1,843 infected in self-isolation**, among them was added the **Governor of Lazio** (region of capital **Rome**) **Nicola Zingaretti**, secretary of the **Democratic** Party, who announced on Facebook that he was positive for CoronaVirus but that he was doing well, while 2,651 infected people are **hospitalized** with various symptoms 567 in intensive care but **36** others have **died** in the past 24 hours. Among them also a Venetian anesthesiologist.

Only in months, when the emergency is over, will the damage caused by the epidemic begin to be assessed for the people who have been cured and who, in the most serious cases, have **suffered blockages and lung injuries**.

There are still many **unanswered questions** among the scientists themselves who, for now, distill the few biochemical certainties with the dropper and only venture hypotheses about the **differences in mortality caused in the 79 countries where SARS-Cov-2 has already spread**.

Suffice it to note that in **South Korea only 44 deaths** were ascertained out of 6767 infected, equal to 0.65% while in Italy the dead represented **4.1% of the 5,644** infected people and in Iran 2.5% of the positive (4 times South Korea).

Among the 145 dead there is also **Hossein Sheikholeslam, former Iranian ambassador to Syria**, adviser to Foreign Minister Javad Zarif and deputy foreign minister from 1981 to 1997, who died on Thursday 5 March at 67 years of age due to CoVid-19 that infected **others 23 MPs, various senior civil servants and members of the government such as Masoumeh Ebtekar, vice president with delegation to the family, and Iraj Harirch, vice-minister of health**.

On Monday died also Mohammad Mirmohammadi, senior adviser to the Supreme Guide, Ayatollah Ali Khamenei.

Sheikholeslam had been one of the leaders of the so-called **"Muslim Student Followers of Imam's Line"** who had taken **52 US diplomats hostage on November 4, 1979**, and released them after 444 days during the Islamic Revolution in Iran.

SUSPECTED BIOCHEMICAL MANIPULATIONS

Even before the toll in China reached the current 3,045 dead and 80,711 infected, the Chinese Communist Party had called the pandemic a **biological weapon of the USA** following the revelations of Asian scientists on the anomalous "modeling" of the S protein.

As reported first by **Veterans Today** and then by **Gospa News**, the American journalist Jeff Brown, founder with other international journalists and authors of the **Bioweapon Truth Commission**, an independent research organization on the history and innovations of biological weapons, has supported this thesis, that with the passing of the hours finds more and more supporters.

"I believe that what is going on is, under the cloak of the alleged coronavirus epidemic, that biological warfare is being conducted against Iran by Zionist elements who are taking advantage of the situation"

Said James Fetzer, a retired **professor of philosophy at the University of Minnesota**.

This is **why Iran appears to be hit so severely**; in other words, the coronavirus is being used as a smokescreen to conceal the fact that the real enemies of Iran are deliberately targeting the Iranian people, Fetzer told Press TV on Thursday.

«I encourage **Iranian scientists to examine the virus** to see if it is, or is not, the same as the virus that is alleged to be causing such harm around the world» added the academic referring explicitly to «a plot to damage Iran».

In a previous article, we highlighted how one of the major outbreaks occurred in the **city of Qom**, not only home to the country's most **important Shiite mosque** but also to the underground nuclear power plant practically impervious to missiles.

In the whirlwind of tragic death news, official press releases, news rumors, and even fake news it is really **difficult to be updated** so it is understandable that Fetzer hasn't noticed that some **Chinese researchers** have at least already explained the probable reasons for the **different lethality of the virus**.

One of the critical points in the investigation of the causes of the pandemic derives precisely from the fact that **geopolitical analysts, military intelligence experts, biology and virology scientists proceed in their investigations on different fields without an efficient exchange of information** in real-time.

Researchers from the School of Life Sciences of the University of Beijing and the Institut Pasteur of Shanghai, under the supervision of the Chinese Academy of Sciences, **claim to have discovered** the existence of **two versions of Covid-19** from a preliminary case study of Wuhan conducted through autopsies on the bodies of the deceased.

Genetic analyzes of the population of 103 SARS-CoV-2 **genomes** indicated that these viruses evolved into two main types (**designated L and S**), which are well defined by two different single nucleotide polymorphisms, they wrote in summary published in their academic National Science Review.

ABSTRACT

The SARS-CoV-2 epidemic started in late December 2019 in Wuhan, China, and has since impacted a large portion of China and raised major global concern. Herein, we investigated the extent of molecular divergence between SARS-CoV-2 and other related coronaviruses. Although we found only 4% variability in genomic nucleotides between SARS-CoV-2 and a bat SARS-related coronavirus (SARSr-CoV; RaTG13), the difference at neutral sites was 17%, suggesting the divergence between the two viruses is much larger than previously estimated. Our results suggest that the development of new variations in functional sites in the receptor-binding domain (RBD) of the spike seen in SARS-CoV-2 and viruses from pangolin SARSr-CoVs are likely caused by mutations and natural selection besides recombination. Population genetic analyses of 103 SARS-CoV-2 genomes indicated that these viruses evolved into two major types (designated L and S), that are well defined by two different SNPs that show nearly complete linkage across the viral strains sequenced to date. Although the L type (~70%) is more prevalent than the S type (~30%), the S type was found to be the ancestral version. Whereas the L type was more prevalent in the early stages of the outbreak in Wuhan, the frequency of the L type decreased after early January 2020. Human

Abstract of the topic published in National Science Review

«Human intervention may have exerted heavier selective pressure on the L-type, which may be more aggressive and spread faster. On the other hand, type S, which is evolutionarily older and less aggressive, may have increased in relative frequency due to the relatively weaker selective pressure» added the scientists, **identifying type L as more lethal.**

In detail of their study (not included in the synthetic abstract but only in the pdf file), however, they hypothesize that "human intervention" in the killer genotype is consequent to the therapies subsequent to the spread of the virus **without taking into consideration the theory of a manipulation of biochemical engineering prior to the propagation** of CoVid-19, as also insinuated in the February issue of the English journal **Science China Life Sciences** by other colleagues of the same Chinese academy surprised by the mutations of the S protein.

BIOWEAPON THESIS IS EVEN MORE FOUNDED

Several reports suggest that there are **components of the virus that are related to HIV** that could not have occurred naturally. If it is correct that the virus had either been developed or even **produced to be weaponized** it would further suggest that its escape from the Wuhan Institute of Virology Lab and into the animal and human population could have been accidental. Technicians who work in such environments are aware that **"leaks" from laboratories occur frequently.**

These sentences were written in an article published on the **Strategic Culture Foundation** on Thursday by Philip Giraldi, a former American counter-terrorism specialist, and military intelligence officer of the CIA.

A thesis already supported in an interview by **Professor Francis Boyle**, professor of international law at the University of Illinois College of Law, who drafted United States national legislation to implement the Biological Weapons Convention, known as "1989 Counter Terrorism Weapons Act".

There is, of course, and inevitably, another theory. There has been some speculation that as the Trump *Administration has been constantly raising the issue of growing Chinese global competitiveness as a direct threat to American national security and economic dominance, it just might be possible that Washington has **created and unleashed the virus** in a bid to bring Beijing's growing economy and military might down a few notches.

It is, to be sure, hard to believe that even the Trump White House would do something so reckless, but there are precedents for that type of behavior. In **2005-9 the American and Israeli governments secretly developed a computer virus called Stuxnet**, which was intended to damage the control and operating systems of Iranian computers being used in that country's nuclear research program.

Admittedly Stuxnet was intended to damage computers, not to infect or kill human beings, but concerns that it would propagate and move to infect computers outside Iran proved to be accurate as it spread to thousands of PCs outside Iran, in countries as far-flung as China, Germany, Kazakhstan, and Indonesia.

The former CIA officer also notes a sensational coincidence: **Scientists at Israel's Galilee Research Institute are now claiming that they will have a vaccine against coronavirus in a few weeks which will be ready for distribution and use within 90 days.** The institute is claiming that it has been engaged in four years of research on avian coronavirus funded by Israel's Ministries of Science & Technology and Agriculture.

They are claiming that the virus is similar to the version that has infected humans, which has led to breakthroughs in development through genetic manipulation, but some scientists are skeptical that a new vaccine could be produced so quickly to prevent a virus that existed only recently.

The thesis of the American philosopher James Fetzer on Zionist complicity in the development of the bioweapon is therefore indirectly confirmed by the expert of American counter-intelligence.

It is possible that this virus is a product of a biological attack by America which **initially spread to China and then to Iran** and the rest of the world, said Hossein Salami, head of IRGC, the Islamic Revolutionary Guards, the most powerful Iranian paramilitary organization.

The Head of Iran's Civil Defense Organization, General Gholam Reza Jalali, said earlier on Tuesday that media fear-mongering over the new coronavirus in the country bolsters claims that the virus is a biological attack on China and Iran.

He said that some reports indicate that it could be a hostile state, but added that his suspicion requires laboratory investigation and a study of the virus genome.

AUSTRALIAN RESEARCH WITH GSK FUNDED BY BILL GATES

A study on the coronavirus, a viral strain to which common seasonal influences such as the most serious and lethal viruses (**MERS 2012, 858 dead and SARS 2003, 814 dead**) belong, including the new SARS-Covid-2 (formerly 3,045), **it was launched in the USA in November 2018 through patent no. 10130701 of the Pirbright Institute** which, immediately ended up in the crosshairs of investigative journalists, took care to declare that it concerned a weakened genotype and was aimed exclusively at some research in the **field of avian bronchitis that infects poultry.**

From further investigations, however, there is an intertwining of names of foundations, research bodies, big pharma and shareholders that bring that study and those who could further enrich themselves tomorrow thanks to the Covid-19 pandemic into ever closer correlation.

Among these is the aforementioned black queen of vaccines Glaxo Smith Kline plc (Pharmaceuticals) of which we have narrated part of the "judicial" curriculum enshrined in public judgments in the previous report.

Digging deeper, thanks to the analysis site of the companies listed on the worldwide **MarketScreener exchanges**, the people and roles that highlight the relationships between the holdings interested in the gigantic billionaire vaccine cake against the most devastating pandemic of the last decades for morbidity but also emerge also, in some countries, by mortality.



Emma Walmsley
 Age : 49
 Public asset : 13,172,074 USD
 Country of residence : Unknown
 Linked companies :  Microsoft Corporation - 
 GlaxoSmithKline plc

Summary

Emma N. Walmsley is on the board of Microsoft Corp. and Chief Executive Officer & Executive Director at GlaxoSmithKline Plc.

In her past career she held the position of President for Glaxosmithkline Consumer Healthcare Holdings Ltd. and General Manager-Consumer Products at L'Oreal (China) Co. Ltd.


Ms. Walmsley received a graduate degree from the University of Oxford.

Emma Walmsley, GSK Ceo and director in Microsoft corporation

At only 49 years of age, Emma Walmsley is in the button rooms of **two financial empires**: she is in fact CEO and Executive Director of GSK **since 2017** but since 2019 she is also director (non-executive) of **Microsoft Corporation**, the IT giant that made billionaire its founder Bill Gates (aka William Henry Gates III).

Although **GSK** is based in the most granitic financial city in the world, in London, it is actually **15% owned by some international American speculative funds such as BlackRock, The Vanguard, Capital & Research Management** that Gospa News has well analyzed in the various dossiers on shareholders of the most important corporations of the military holdings in the world. The BlackRock fund of the New York **Zionist** Larry Fink (supporter of the Democrats but in excellent confidence with the current US President Donald Trump, expression of the Republicans) alone holds more than 5% of GSK among whose investors specialized in the **war sector** there is also **Norge Bank Investment Management**.

Business Summary



GlaxoSmithKline is the world's No. 2 pharmaceutical group. Net sales break down by family of products as follows:

- pharmaceutical products (59%): inhaled for respiratory diseases (40.1% of net sales), HIV infection (27.2%), immune system disorders (2.7%) and other (29.8%);
- OTC and parapharmaceutical medicine (28.8%);
- vaccines (12.1%).

Net sales break down geographically as follows: the United Kingdom (3%), the United States (38.9%) and other (58.1%).

Sales per Business

	2017		2018		Delta
	GBP (in Million)	%	GBP (in Million)	%	
Pharmaceuticals	17,275	57.2%	17,259	56%	-0.04%
Consumer Healthcare	7,750	25.7%	7,638	24.8%	-1.19%
Vaccines	5,160	17.1%	5,894	19.1%	+14.22%

Sales per Region

	2017		2018		Delta
	GBP (in Million)	%	GBP (in Million)	%	
United States	11,263	37.3%	11,082	36.9%	-0.36%
International	10,090	32.4%	10,888	35.2%	+1.04%
Europe	7,023	23.2%	7,050	22.9%	+0.67%
United Kingdom	940.00	3.1%	923.00	3%	-1.81%

Shareholders			
Name	Equities	%	
The Vanguard Group, Inc.	149,160,000	2.95%	
BlackRock Fund Advisors	130,661,000	2.62%	
BlackRock Investment Management (UK) Ltd.	128,582,622	2.55%	
Norges Bank Investment Management	121,966,000	2.44%	
Legal & General Investment Management Ltd	102,669,700	2.05%	
Capital Research & Management Co. (Global Investors)	78,487,000	1.57%	
Schroder Investment Management Ltd.	71,784,674	1.44%	
Dodge & Cox	66,821,000	1.34%	
Capital Research & Management Co. (World Investors)	53,727,000	1.08%	
Threadneedle Asset Management Ltd.	52,762,542	1.06%	

Holdings			
Name	Equities	%	Value in USD
Innovia, Inc. (INNV)	32,008,260	31.8%	441,832,614 USD
GlaxoSmithKline Pakistan Limited (GLAXO)	283,029,794	62.8%	307,353,486 USD
Theravance Biopharma, Inc. (TIPHI)	8,644,808	15.5%	208,857,247 USD
GlaxoSmithKline Consumer Healthcare Pakistan Limited (GSKCH)	100,422,259	55.8%	157,572,560 USD
GlaxoSmithKline S.A.E (BIOC)	78,161,375	91.2%	58,169,776 USD
Dong A Soco Holdings Co., Ltd (A000640)	408,893	6.67%	32,277,596 USD
Fulcrum Therapeutics, Inc. (FULG)	1,788,784	7.65%	50,785,789 USD
Transbia Bio, Inc. (TBIQ)	3,197,982	6.32%	22,929,929 USD
Bicycle Therapeutics Ltd.	1,518,275	10.8%	20,838,182 USD
Allergy Therapeutics plc (AGY)	10,118,000	1.55%	1,000,489 USD

GlaxoSmithKline business and shareholders

And just Norway, together with Germany, Japan, Ethiopia, the United Kingdom, Canada, Australia, for some years has supported the CEPI (Coalition for Epidemic Preparedness Innovations), a research body launched in Davos in 2017 that has three operational offices in Oslo, London, and Washington DC, thanks to the fundamental contribution of the Bill & Melinda Gates Foundation and Wellcome Trust (charity left after the acquisition of the Wellcome commercial pharmaceutical business by GSK).



Bill and Melinda Gates awarded by former President Barack Obama

CEPI and GSK today announced a **new collaboration** aimed at contributing to the global commitment in the **development of a vaccine** against the 2019-nCoV virus. As part of this collaboration, GSK will make its technology available with the already consolidated adjuvant platform for the pandemic vaccine and available to allow progress towards the development of an effective vaccine against the 2019-nCoV virus, reads the press release published last February 3 on the official GSK website.

GSK is a leading company in the development of innovative vaccines through the use of numerous adjuvant systems. An **adjuvant is added to specific vaccines** to promote the immune system's response, creating stronger and longer-lasting immunity against infections than a vaccine without an adjuvant would do. The use of adjuvants is particularly **important in a pandemic situation** because it can allow the reduction of the number of antigens necessary for each dose of vaccine, thus allowing to produce a greater number of vaccine doses and to make them available to a greater number of people.

The first agreement to formalize this agreement was signed between **GSK and the University of Queensland** (Australia), in January 2019, through a collaboration with CEPI for the development of a vaccination platform equipped with a "molecular gripper" with the aim of allowing the rapid production of vaccines targeted against various viral pathogens.

CEPI has extended funding to support the development work of a 2019-nCoV virus vaccine candidate and access to GSK's adjuvant technology will now allow support for this research even in the early stages.

CHALLENGE FOR THE GOLDEN VACCINE

Miraculously, while Chinese scientists are still trying to figure out how the protein S **mutated** and why the virus's genotype **L is more lethal** than the other, the good news came from **Australia** on February 22.

Laboratory testing of the Covid-19 vaccine candidate made in the country has been completed. This was announced by the team of researchers from the University of Queensland who are about to proceed towards animal testing. The laboratory study lasted three weeks» reported the Italian newspaper Il Messaggero while Gospa News already reported the strange coincidences of these discoveries.

There are still numerous tests to ensure that the vaccine-candidate is safe and that it creates an effective immune response, but the technology and dedication of the researchers want to testify that the first obstacle has been overcome said **Peter Hoj, vice-chancellor and president of the Australian university**.

He himself explained that **CEPI supported by the Bill Gates Foundation** had asked for help from the University of Queensland because it has the technology needed to produce one "within six months". The researchers said that the initial research went "as expected" and that the material created has the properties that allow the team to proceed with the development of the vaccine.

Another sensational news was taken from Inside Over, the column of the newspaper Il Giornale has recently arrived: As the Financial Times points out, Moderna is leading a very crowded race, with 20 different companies that are working and, in certain cases, cooperating all over the world. The Norwood laboratories, Massachusetts, are active at full capacity. Moderna uses a methodology based on viral genetics which, rather than independently looking for individual vaccines for specific diseases, aims to build platforms to have a starting point for parallel development of more vaccines for related diseases.



GSK's laboratories for vaccines in Italy (Siena, Tuscany)

GSK is already looking forward to a colossal business in the near future. **After increasing its laboratories in Italy thanks to the 2017 Lorenzin Decree on the 10 mandatory vaccines,** with an increase in its turnover in the specific sector of 19% worldwide (see image above on shareholders and core-business), although not he still has the vaccine available, is already signing a commercial **alliance with the Chinese industry Clover Biopharmaceuticals,** which is likely to follow other agreements around the world.

Anyone will want the vaccine immediately but it may take time to create the necessary structure and organizational chain Roger Connor, president of the vaccine division of the pharmaceutical giant GSK, told the Financial Times.

FROM CHICKEN BRONCHITIS TO BIOWEAPON...

This is why the discovery that comes from Israel to which **former CIA agent Philip Girdi** mentioned: «In a few weeks, we will have the coronavirus vaccine» wrote **Maayan Jaffe-Hoffman** in the Jerusalem Post, reporting what the Israeli biologists said and specifying that it will take at least 90 days to complete the safety procedures needed to place it on the pharmaceutical market.

It is known that Israel has in fact fewer regulatory obligations to comply within its country since it has never fulfilled the UN resolution for the release of the occupied territories in the Syrian Golan, and therefore it will be able to supply the **friends of Saudi Arabia and the United Arab Emirates** in a short time, letting the poorest infected **be the guinea pig** ...

Congratulations to **MIGAL – The Galilee Research Institute**, for this exciting turn, I am confident that there will be further rapid progress, allowing us to provide a necessary response to COVID-19's serious global threat, said Israeli Minister of Science and Technology Ofir Akunis.

Over the past four years – reported the Jerusalem Post – a team of scientists from MIGAL has developed a vaccine against infectious bronchitis virus (IBV), which causes a bronchial disease that affects poultry, the effectiveness of which has been demonstrated in preclinical studies conducted at the Veterinary Institute.

Here is another sensational coincidence !!!

The study on poultry appears completely analogous to that already mentioned previously in U.S. Pat. 10130701 of the Pirbright Institute, supported both by the Bill & Melinda Gates Foundation and by Wellcome Trust in a perfect ring of epidemiological-financial interests that always starts from CEPI to go up to GSK.

GlaxoSmithKline is such a well-established partner of the **Washington Department of Defense** that it also supports the hypothesis that behind the pandemic there may indeed be the **Pentagon's evil foot**, and consequently the CIA, as claimed in the previous report thanks to intelligence sources.

To prepare for future public health emergencies, we continue to advance rapid-response vaccine platform technologies and are collaborating on the development of a universal influenza vaccine candidate. In our Pharmaceuticals pipeline, we are progressing the development of **gepotidacin** – the first in a new class of antibiotics. Gepotidacin is the result of successful **public-private partnerships between GSK, the Biomedical Advanced Research and Development Authority (BARDA) and the Defence Threat Reduction Agency (DTRA)**

To those who have not read the previous reports, we remind that DTRA is one of the **Pentagon** agencies that has opened at **least 25 biochemical engineering laboratories** for research on bacteriological weapons, including biogenetic weapons, that is, calibrated on the **genome** of precise **ethnic** groups such as Chinese but in this case also Iranians and Italians (why we always explained it in the previous article).

It was the same GlaxoSmithKline, as early as 2007, to claim to have signed an agreement with the Defense Threat Reduction Agency of the United States Department of Defense to identify and develop a new class of antibacterials that target both Gram-negative biotests and hospital pathogens Conventional Gram Negatives: «This awards GSK up to \$41.0 million over a five-year period, while the company will contribute substantially to this collaboration by providing supplemental staff and covering other program costs».

GSK has also consolidated partnerships with the Defense Sciences Office of the US Defense Advanced Research Projects Agency (**DARPA**), another Pentagon entity that officially opened the Biological sector in 2014 by investing \$ 65 million in genetic editing, what can help to repair the wound tissues of the military as to modify the DNA of a bat or a virus with biochemical engineering.

Lastly, let's not forget that the aforementioned CEPI, supported by Bill Gates and promoter of research on the Covid-19 vaccine with the interest of Glaxo, is funded by six countries including three (United Kingdom, Canada, and Australia) are part of the **Anglophone intelligence alliance "Five Eyes"** (UKUSA agreement) also made up of the USA and New Zealand.

AMERICAN TROOPS WITHOUT FEAR OF THE VIRUS

Not only that: GSK was also the supplier of vaccines to American troops on the disposal of the Defense Logistics Agency.

If the GlaxoSmithKline were already in possession of the vaccine (and for reasons of industrial secrecy it may not even reveal it ...) this would explain why the **Pentagon itself sent 20 thousand US Army soldiers to Europe**, in the midst of the pandemic, for the largest NATO military exercises of the past 25 years.



American troops arrived in Europe

The United States raised the Coronavirus alert for Italy to **level 3** ("avoid non-essential travel"), bringing it to 4 for Lombardy and Veneto ("do not travel"), the same as for China. American Airlines and Delta Air Lines have **suspended all flights** between New York and Milan. US citizens who go to Germany, Poland, and other European countries, at alert level 2, must "take increased precautions» Italian war reporter Manlio Dinucci wrote in the *Pressenza* agency.

However, there is a category of US citizens exempted from these rules: the 20,000 soldiers who begin arriving from the United States in European ports and airports for the Defender Europe 20 exercise, **the largest deployment of troops** Use in Europe for the past 25 years. Including those already present, around 30,000 US soldiers will participate in April and May, supported by 7,000 of 17 NATO member and partner countries, including Italy reported the journalist who also writes on *Reseau International*.

This situation is in perfect harmony with the tweets of the American President Trump who at certain times express concerns about the deaths in the US (already 12) and the real number of deaths in the world and in others they appear as bold as those of a ruler who feels well protected in his bunker unassailable by the virus and is happy because his compatriots for the moment can only spend money in the USA.

Every day that passes the **plot of the CoronaVirus pandemic is enriched** with an intriguing new episode as if it were the perfect screenplay of a soap opera written in the smallest details.

Gospa News and other counter-information sites such as *Russia Today* and *Veterans Today* try to shed light on the darkest aspects. The mainstream media, on the other hand, trash the hypotheses on the bioweapon ... Why?



Manvinder Singh Banga
 Age: 64
 Public asset: 1,389,021 USD
 Linked companies: GlaxoSmithKline plc - Thomson Reuters Corporation

Summary
 Manvinder Singh Banga is Chairman-Supervisory Board of Mausex Group NV and Partner at Clayton Dubilier & Rice LLP. Mr. Banga is also Chairman for Marie Curie Cancer Care, Member-Governing Board at Indian School of Business, Charter Member at The Indus Entrepreneurs (Delhi) and Member of World Presidents' Organization and on the board of 5 other companies.

In the past he held the position of President Foods at Unilever NV and President-Foods, Home & Personal Care at Unilever United States, Inc. (a subsidiary of Unilever NV), Executive Director at Unilever Plc Non-Executive Chairman for Hindustan Unilever Ltd. and President-Home & Personal Care at Unilever Asia Pte Ltd. (both are subsidiaries of Unilever Plc), Member of Prime Ministers Council on Trade & Industry and Chairman of Kasia GmbH.

Manvinder Singh Banga received an undergraduate degree from Indian Institute of Technology New Delhi and a graduate degree from Indian Institute of Management.

Current positions of Manvinder Singh Banga:

Name	Title	Since
GlaxoSmithKline plc (Pharmaceuticals)	Senior Independent Non-Executive Director	2018
Thomson Reuters Corporation (Professional Information Services)	Independent Director	2009
Marie Curie Cancer Care	Chairman	-
Mausex Group NV	Chairman-Supervisory Board	-
Kedaram Capital I Ltd.	Director	-
Confederation of British Industry	Non-Executive Director	-
High Ridge Brands Co.	Director	-
World Presidents' Organization	Member	-
Indian School of Business	Member-Governing Board	-
Clayton Dubilier & Rice LLP	Partner	2010
The Indus Entrepreneurs (Delhi)	Charter Member	-

Name	Age	Since	Title
Stephen John Hasker	48	2020	Chief Executive Officer
James Smith	59	2020	President & Non-Independent Director
David Thomson	61	1998	Non-Independent Chairman
Nail Nadarson	50	2018	Chief Operating Officer-Operations & Enablement
Stephane Sileo	58	2012	Chief Financial Officer & Executive Vice President
Michael McQuillan Young	40	2019	Chief Technology Officer
Walter K. Opperman	76	2013	Lead Independent Director
Forer J. Thomson	53	1995	Non-Independent Director
Manvinder Singh Banga	64	2009	Independent Director
Wulf von Schimmelmann	72	2011	Independent Director

Equities					
	Votes (%)	Quantity	Float	Company-owned shares	Total Float
Stock A	1	497,459,546	168,990,308 34.0%	0 0.0%	33.6%
Stock B	0	6,000,000	0 0.0%	0 0.0%	

Shareholders			
Name	Equities	%	
The Woodbridge Co. Ltd.	327,510,556	65.5%	
Royal Bank of Canada	29,352,033	7.87%	
Janssenky Fraser Ltd.	2,596,473	1.02%	
Home Associates LP	7,837,810	1.57%	
MFB Investment Management Canada Ltd.	7,789,399	1.55%	
Fidelity (Canada) Asset Management ULC	7,482,470	1.50%	
BMO Capital Markets (Canada)	7,025,125	1.41%	
The Vanguard Group, Inc.	5,291,058	1.05%	
ValueAct Capital Management LP	5,111,947	1.02%	
Great West Capital Management LLC	4,875,834	0.98%	

Profile of Manvinder Singh Banga, manager of both GSK pharmaceutical and REUTERS Corporation

Oops! I was almost forgetting to mention another manager of GSK Pharmaceuticals: Manvinder Singh Banga, a 64-year-old Indian entrepreneur whose presence on the board is understandable given the fact that GlaxoSmithKline plc has group companies listed on the stock exchange in the Indian peninsula operating in various sectors (GSK Pharmaceuticals Ltd. in Mumbai, GSK Consumer Healthcare Ltd. in Gurgaon, and GSK Pakistan Ltd. in Karachi).

But since 2009, Banga has also been an independent director of Thomson Reuters, the Canadian corporation that owns the information agency **Reuters**, one of the most important and powerful worldwide.

Thus, everything appears much, much clearer ...

Fortunately, some journalists, even in the West, are no chickens! Like those on which a "coronavirus" study would have been done, in the US as in Israel, which by incredible combination has proved useful to those who are today looking for the pandemic vaccine.

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SOURCES

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- GOSPA NEWS – OSINT INVESTIGATIONS
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RUSSIA TODAY – IRANIAN IRGC, BIOLOGICAL ATTACK

PRESS TV – AMERICAN ACADEMIC AND ZIONIST ELEMENTS

PRESSENZA – TRUPPE USA SENZA PAURA DEL VIRUS



Author Details

[Fabio Giuseppe Carlo Carisio](#)

Director , [Gospa News](#)

Fabio is Director and Editor of Gospa News; a Christian Information Journal. Fabio Giuseppe Carlo Carisio, born on 24/2/1967 in Borgosesia, started working as a reporter since he was only 19 years old in the alpine area of Valsesia, Piedmont, his birth region in Italy. After studying literature and history at the Catholic University of the Sacred Heart in Milan, he became deputy director of a local newspaper and specialized in judicial reporting. For about 15 years he is a correspondent from Northern Italy for the Italian newspapers Libero and Il Giornale, also writing important revelations on the Ustica massacre, a report on Freemasonry and organized crime. With independent investigations he collaborates with Carabinieri and Guardia di Finanza in important investigations that conclude with the arrest of Camorra entrepreneurs or corrupt politicians. In July 2018 he found the counter-information webmedia Gospa News focused on geopolitics, terrorism, Middle East and military intelligence. He is a correspondent from Italy for the French news site Reseau International. He worked since many years for the magazine Art & Wine as art critic and curator <http://www.art-wine.eu/>

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7.3 DARPA: Defense Advanced Research Project Agency

*Note: The Defense Advanced Research Project Agency is involved in smart digital and partners with Bill & Melinda Gates Foundation. They are part funders of the coronavirus. The private-public partnerships bring together government resources and know-how with private sector funding and less oversight. Particularly when deregulation is occurring. This means that there is little oversight if both parties believe in reaching for the horizon, give it a go, **just build it** as the public and planet become the **guinea pigs**. I often get the sense of 'they know not what they do'. However, this is the lay of the land right now and the public at some point will have to respond to what is done in their name.*

DARPA is an agency embracing the smart digital and creating products that have not been created. They have a culture of no holds barred "unlimited". They seek to experiment beyond boundaries, not unlike artists but they are focused on technology with a military application. This is why the "no limits" could put life in danger. The exploding of the atomic bomb is a case in point. DARPA are partners with Bill & Melinda Gates Foundation in patenting the coronavirus, finding a vaccine for COVID-19 and testing. The key question **focuses on the weaponising of a virus**. The Australian government have empowered COVID-19 management around biosecurity legislation. The World Economic Forum coronavirus simulation considered NATO and possible bioweapons. Given the poor ethics we are witnessing around the world, anything can happen as deregulation removes public oversight over corporate mis-deeds.

In addition, it is noted that females are increasingly the face of defence and military contractors. The private contractors have high level secrecy clearances which Kevin Shipp, former CIA refers to as the Shadow Government or Deep State. Former US President's Eisenhower and Kennedy issued warnings about the Industrial Military Complex running amok. Kevin Shipp, a CIA whistleblower features in a YouTube video about Geoengineering inclusive of vaccine links to autism. Kevin's video was passed to the Senate in the public interest.

Imagine if funding was directed to peace projects that unify, heal, synergise, expand the greatest potential of humanity. From a perspective of peace this focus harmonises with nature rather than the constant wars that are fighting against disease and making illness worse.

This article gives an important overview of DARPA who are engaged in a wide range of projects, going beyond boundaries, with no moral level and traversing off world. DARPA, Draper (non-profit) and the CEO **Kaigham Gabriel** provides insight into the complexity of private/public militarization for profit in order to "win". The military is comprises government and non-profit spin offs which are a trend today. The non-profits do not pay tax and are unaccountable to the public and scrutiny.

The article mentions pharmaceuticals and viruses. It is noteworthy that defence enters biology to fight another war, but this time at the microbiological level. This creates another battle-field on the grounds of human health conjuring endless bio-warfare. The picture below evokes the words 'primal urge', perhaps that is the driver of full spectrum dominance?

An interesting quote from the article given a Australian perspective:

"...Adam Smith warned that if an industry was critical to defense, it is not always prudent to rely on neighbors for supply..."

My heart's in Accra

<http://www.ethanzuckerman.com/blog/2011/11/29/darpa-director-regina-dugan-at-mit-just-make-it/>

Ethan Zuckerman's online home, since 2003



DARPA director Regina Dugan at MIT: "Just Make It"

Posted on [November 29, 2011](#) by [Ethan](#)

This afternoon, [MIT's Political Science distinguished speakers series hosts Regina Dugan and Kaigham Gabriel](#), director and deputy director of DARPA, the US [defense advanced research project agency](#), who are here to speak about **advanced manufacturing in America**. The title for their talk is "Just Make It", a response Dugan offers to people who ask her to predict the future. "**Visionaries aren't oracles** – they are builders."

She shows a five minute video of nerd porn, a **montage of dismissive predictions about technologies** (like Lord Kelvin's statement about the impossibility of heavier than air flight, followed by footage of the Wright Brothers, and then from Top Gun. The video ends with observations about the time to **50 million users for different technologies is rapidly shrinking**, pointing to **Facebook's sprint to 100 million users**, and offers images of protesters holding banners celebrating the internet. "Still think social media is a fad?" the video asks. The video ends with a challenge for the engineers in the room – "**just make it**".

Dugan tells us that the **decline in America's ability to build things is a national challenge**, if not a crisis. Americans **consume an increasing percentage of goods made overseas**, and are less likely to be employed making things. Perhaps this reflects on productivity increases, or on currency manipulations, but it has implications, she warns, for national defense. Adam Smith warned that if an industry was critical to defense, it is not always prudent to rely on neighbors for supply.

There have been many years of debate around the **inefficiency of America's design and building of defense systems**, Dugan tells us. One extrapolation of increase in airline design cost – sometimes referred to as "**Augustine's Laws**" – **suggests that by 2054, a single military aircraft will cost as much as the entire military budget at that time**. Obviously, it's dangerous to extrapolate linearly from current data... but if you do, the cost of military systems is growing much more rapidly than defense budgets. "Quite obviously, this is not sustainable".

When we design aircraft, she tells us, we're often **designing ten years out**. That means we're trying to understand the **threat** environment ten years out. That's risky. "Lack of adaptability is a vulnerability."

What's worse is that it's really expensive. She shows a graph of production costs for the F-22 fighter. The price per unit keeps increasing, and the volume required keeps dropping. This might be because we need to amortize design costs over fewer units. Or it might be because the costs get so high, we simply can't afford as many units as we wanted. This isn't just true of the F-22 – it's true for the Marine EFV project and the Comanche helicopter as well.

This **difficulty in building complex systems** has implications for defense and for the economy as a whole, she tells us.

"To innovate, we must make. To protect, we must produce." DARPA is not a policy organization, she tells us, but pushing from "a buy to make strategy" is of strategic importance to the US Department of Defense.

There's **\$200 million a year being invested in innovation**, looking for ways to change the calculus of cost increase. Can we turn a long problem like vaccine design into one we can solve in weeks? Could we permit the participation of tens of thousands of designers into a process and harness their ideas? She suggests that the future of innovation is **around increased speed of production** and number and diversity of designs. The **rise of electronic design aides** revolutionized the semiconductor industry – could this shift in speed and diversity bring a similar paradigm shift?

Dugan tells us that the systems we have to manage complexity are inherited from 1969-era systems engineering. We take complex systems and split them along functional lines – **power system, control system, thermal system** – then try to put them back together. What happens is that we experience **emergent behaviors that weren't predictable**. As a result, we end up with a design, build and test system that we iterate through, trying to solve those emergent problems.

This isn't the only way to design complex systems. She shows a graph that measures time to design, integrate and test, versus a measure of product complexity, which includes part count and **lines of source code**. There's a linear increase in time to build to complexity for aerospace defense systems. Another piece of the graph shows a flat design and test time cycle with increasing complexity – that's the semiconductor industry. And a third industry – the best in class automotive manufacturers – show a decrease in time with an increase in complexity! How are they pulling this off?

Gabriel tags in here, to explain how the semiconductor industry achieved gains in complexity without extending the timeframe necessary to design and test their products. The key factor was a decision to control for time. **"If we aren't out there with new chips in 18-24 months, we'll miss the next generation of PCs."** So the principles of VLSI design were optimized around producing new product on a timecycle as tight as that for less complex integrated circuits.

Two major design innovations characterize the VLSI shift, Gabriel tells us. First, it's critical to decouple design and fabrication, a shift that was comparatively easy for circuit designers to accept. The second was initially heresy: you needed to stop optimizing each transistor, and sacrifice component performance for ease of system design and reliability.

We've seen a similar move in computer programming, a shift away from assembler, which produces very efficient code that's hard to test, to higher level programming languages. Those languages abstract operations, which **leads to a decrease in performance efficiency**, but since we're no longer as limited by how many operations a computer can perform, the design speed benefits outweigh the performance compromises. He hints that we may be seeing some similar shifts in biological sciences as well.

How does this work in terms of DARPA projects? Dugan retrieves the mic to speak about the **Adaptive Vehicle Make program**, designed to build a new infantry vehicle in two years instead of ten. A first step is

developing a language to describe and design mechano-electric systems so they can integrate more smoothly. The vehicle, she tell us, will be flexibly manufactured through a "**bitstream-configurable foundry-like manufacturing capability for defense systems**" capable of "**mass production** in quantities of one".

With facilities that can accept a design and custom-forge parts, she believes we can move to an increasingly democratized design system, which enables the participation of many more people to design and submit systems to foundry-like fabrication facilities. We'll design vehicles "using the most modern techniques of **crowd infrastructure and open source development**," in a program called **VehicleForge.mil**. (While a valid URL, there's no webserver at that address. Just wanted to save you a Google search or two.)

Critics tell her this approach won't work. But Dassault recently designed the Falcon 7x aircraft using "**digital master models, by tail number, for aircraft**" – i.e., building extremely complex individual models for each aircraft they build. The models only do geometric interference (i.e., they test whether the parts fit together), but they've halved the time needed to produce a new plane. Critics claim that the analogy between integrated circuits and military vehicles is an inept one. But in terms of part count, ICs are much more complex than vehicles. What's complex is the diversity of components used in the combat vehicle.

A new experiment, conducted in cooperation with [Local Motors](#), a small-scale vehicle fabrication company (see [my notes on the founder's Pop!Tech talk in 2009](#)) invites designers to compete to design a combat support vehicle, the XC2V. \$10,000 in prizes were offered, and instead of getting the 3 designs they get in an invitation-only design scenario, they received 159, 100 of which the judges deemed "high calibre". It wasn't a clean sheet of paper design – the chassis and drivetrain were designed by Local Motors – but it was effective at expanding the idea pool, and led to a functioning design within four weeks.

The power of the crowd may be even greater in a field like protein folding, where humans are still able to solve some problems better than algorithms. [Foldit](#) is the brainchild of a biochemist, a computer scientist and a gamer, who decided to **turn protein folding into a game**, building "a Tetris-like environment for folding". 240,000 people have signed up to play, but what's really cool is "the emergence of 5 sigma savants for protein folding, some of whom have very little biochemistry training." Recently, Foldit solved a key protein – a **retroviral protease SIV for the rhesus monkeys** – which had been unsolved for 15 years. The community folded it in 10 days. Projects like this, she tells us, make her a believer that bringing **many diverse minds to a problem** and increasing the pace of building will increase the speed and diversity of innovation.

Gabriel offers three other examples where massive innovations are possible through new methods.

Optics are the dominant cost in many **imaging and sensor** systems. It turns out that making light do something different – bending, focusing, diffusing – requires materials and systems that are heavy, complex and expensive. **M-GRIN – manufacturable gradient index optics** – moves beyond lenses that are made out of a single material with a single index of refraction. Instead, they use a stack of multiple layers and films, combined via heat and pressure, to make lenses that are smaller and lighter. A test around a shortwave **infrared lens** produced a device that was 3.5x smaller and 7.5x lighter. That's a breakthrough... but the real innovation is creation of a set of design rules that let you go from an application to a recipe for combining materials into the lens you need.

In telling us about **maskless nanolithography**, Gabriel tells us "Moore's law is dead in circuit design, though the corpse doesn't know it yet." The culprit is **heat** – we can make tighter and smaller circuits, but they're getting very difficult to cool. As critical is cost. Working at ultra-small line width is prohibitively expensive. It's hard to spend **tens of millions on a set of 45 nanometer masks to create a few hundred chips for a defense system**, when building those masks costs tens of millions of dollars.

We know how to do lithography without masks, but it's traditionally been very slow. So now designers have built a system that creates and bends an electron beam, then splits it into millions of **beamlets**, controlled by a "dynamic pattern generator". Program that pattern generator, and it allows millions of writing operations to happen at the same time, leading to a current working speed of 10-15 wafers per hour, the minimum required to produce custom ICs for military applications.

His third example is the accelerated **manufacturing of pharmaceuticals**, a strategy he tells us was Plan B in 2009-2010 if the **H1N1 flu virus** had resurfaced. It's very **hard to produce vaccines quickly** – egg-based strategies require a piece of virus and many thousands of chicken eggs. These methods work, but can require 6-9 months to build up a stockpile. A new method uses tobacco plants to produce custom proteins, **working from strands of DNA in the virus**. Envision a football-field sized building filled with lights and trays of tobacco plants. A facility like that can now produce a **million doses a month of a novel vaccine**. In scaling up capacity to **100 million doses per month**, the key problem turned out to be lighting – it was impossible to light everything without switching to LED bulbs. Once they made the switch, they had a new opportunity – **tuning the spectrum to optimize production**. Using an experiment of "high school science complexity", they grew plants under different lighting conditions for a few weeks, and determined a mix of **blue and red frequencies** that doubles protein production.

Gabriel ends with a slide quoting [MIT scientist Tom Knight](#):

"The 19th century was about **energy**.
The 20th century was about **information**.
The 21st century is about **matter**."

If we embrace this challenge, Gabriel tells us, we will be able to **make things at the cost** we used to produce and stockpile them in bulk, and this change will change how we innovate.

The author of the article's reaction:

I thought the DARPA folks gave an impressive talk, inasmuch as they got me thinking about a problem I'd not considered – the **insane cost and time frame of producing military equipment**. But for a talk sponsored by the political science department, it seemed **woefully lacking of discussions of politics or markets**. If I were trying to explain the difference in production processes between military vehicles, consumer automobiles and integrated circuits, I suspect I might look at the power of markets. IC manufacturers needed to build chips quickly because customers wanted to buy newer, faster chips... and would buy other chips if the manufacturer wasn't fast enough. Ditto for automobile companies.

The defense industry is different. **It's very hard to terminate a weapons system**, even if it's massively over time and over **budget**. The competition happens well before a product is built. Discovering that the F-22 production isn't going well **doesn't create a market opportunity** for another company to produce a better product faster – the company producing the F-22 is going to get paid, even if they take an absurd time to produce the product.

I admire the approach Dugan and Gabriel are putting forward, and certainly appreciate that it plays well to a room full of engineers. But I was very surprised not to hear questions (and I only caught the first five or six) about whether the **DoD purchasing process can be reformed so long as military budgets are sacrosanct**. We're currently facing **mandatory budget cuts** with the failure of the budget supercommittee, and **conventional political wisdom suggests that the social service cuts** will go through, while the **defense ones will not**. How do you encourage companies to innovate when they're currently amply rewarded for dragging design and production out over decades? How do you innovate without market pressures?

My homogeneously left-wing family was talking politics over the Thanksgiving dinner table and realized the solution to America's **current social problems** was to simply adopt the Egyptian political system – let the military run everything. **The right doesn't like cutting military budgets**, but is okay when the military provides **state-sponsored healthcare and subsidizes education**. All we need to do is ensure all Americans are **employed** by the US military and we can build a **thriving, successful welfare state**. The same absurdity behind that suggestion is what makes DARPA's ideas so hard to implement – if there's no pressure to cut military budgets, anything is possible... except real innovation around cost and efficiency.

7.3.1 DARPA Germ Warfare Researchers design 'Game-Changer' Coronavirus test¹³

Note: Military involvement in vaccines came from their inventions of germ warfare. DARPA diagnoses germ or chemical warfare poisoning and indicate they repurposed this focus when the pandemic broke out. They developed technology to test virus presence. How easy or difficult is for DARPA of its non-profit Draper to create viruses and release them as a weapon of war? DARPA is a co-funder of the Pirbright Institute who patented the "Coronavirus", they are joined alongside the Bill & Melinda Gates Foundation, Wellcome Trust and European Commission. How is it possible to patent a virus and then be involved in the test to identify it. Would that not suggest a 'conflict of interest' or actioning the Order out of Chaos philosophy for profit?

By [Amanda Woods](#)

Federal germ warfare researchers have designed a "game-changer" coronavirus test that quickly identifies carriers of the deadly bug — before they become infectious, according to a new report.

The test, which emerged from a project set up by the **US military's Defense Advanced Research Projects Agency aimed at rapid diagnosis of germ or chemical warfare poisoning, was quickly repurposed** when the pandemic broke out — and now may be able to detect the virus' presence as early as 24 hours after infection, [the Guardian reported](#).

That's several days before a carrier is considered capable of spreading the disease to others, according to the report. It's also about four days before existing tests can detect COVID-19.

The **breakthrough test** is expected to be presented to the FDA for emergency use approval within a week.

"The concept fills a **diagnostic gap** worldwide," Dr. Brad Ringeisen, the head of DARPA's biological technologies office, told the Guardian, explaining that it should also fill in testing gaps at later stages of the infection.

With FDA approval, the test has the potential to be "**absolutely a game-changer**," he said.

The test uses the same polymerase chain reaction machines currently employed for existing nasal swab tests, according to Dr. Eric Van Gieson, who repurposed the **biological warfare program** to instead focus on the **new epidemic**.

"It's a simple tweak," Van Gieson told the Guardian. "**The infrastructure is already there.**"

The new approach looks at the **body's response** as it fights the coronavirus, rather than simply the virus itself, which is detected by the nasal swab tests.

He said the testing approach, which looks at the body's response as it fights COVID-19, the disease caused by the virus, should produce earlier results than current nose-swab tests that hunt for the virus itself.

¹³ <https://nypost.com/2020/05/01/germ-warfare-researchers-design-game-changer-coronavirus-test/>

“Because the immune response to infection develops immediately after infection, a COVID signature is expected to provide more sensitive COVID infection diagnosis earlier,” Professor Stuart Sealfon, who leads the research team at **NYC’s Mount Sinai Hospital**, told the outlet.

If **emergency approval** is granted, the test is expected to be rolled out in the US in the second half of the month.

Approval is not guaranteed, but scientists told the outlet it could make a huge difference as governments move to loosen lockdowns and consider how to control a possible **second wave**.

“We are all extremely excited,” Van Gieson told the outlet. “We want to roll this test out as **quickly as we can**, but at the same time share with others who might want to implement in their own countries.”

7.3.2 Draper Laboratory¹⁴

Note: Draper is the non-profit version of DARPA. It can innovate without public oversight and does not pay tax. What is interesting is that Draper is also the name of William Draper who is known to have started eugenics. This is speculative at this point but worthy of investigation given Ken Gabriel is reported as a Google executive and former DARPA official. He is definitely connected with the global elite given Carnegie Mellon University, World Economic Forum and Davos. He is definitely part of the Smart Technocracy and biotechnology bioeconomy made clear by this point: "...Draper is one of the nation's premier innovation organizations with accomplishments ranging from taking us to the moon with the Apollo mission guidance systems and the delivery of today's critical defense and space navigation & control solutions to emerging opportunities in biotechnology, health and energy..." Dr Kaigham Gabriel is dealing with nanotechnologies and wearable devices and even drug delivery systems which the public are slowly learning about as there appears no exit to the pandemic: "...Draper's Biomedical Solutions capability centers on the application of microsystems, miniaturized electronics, computational modeling, algorithm development and image and data analytics applied to a range of challenges in healthcare and related fields. Draper fills that critical engineering niche that is required to take research or critical requirements and prototype or manufacture realizable solutions. Some specific examples are MEMS, microfluidics and nanostructuring applied to the development of wearable and implantable medical devices, organ-assist devices and drug-delivery systems. Novel neural interfaces for prosthetics and for treatment of neurological conditions are being realized through a combination of integrated miniaturized electronics and microfabrication technologies...." Moreover, at the nano level he has expertise in micro data collection: "...Draper has designed and developed microelectronic components and systems going back to the mid-1980s. Our integrated, ultra-high density (iUHD) modules of heterogeneous components feature system functionality in the smallest form factor possible through integration of commercial-off-the-shelf (COTS) technology with Draper-developed custom packaging and interconnect technology. Draper continues to pioneer custom Microelectromechanical Systems (MEMS), Application-Specific Integrated Circuits (ASICs) and custom radio frequency components for both commercial (microfluidic platforms organ assist, drug development, etc.) and government (miniaturized data collection, new sensors, Micro-sats, etc.) applications. Draper features a complete in-house iUHD and MEMS fabrication capability and has existing relationships with many other MEMS and microelectronics fabrication facilities...." It is noteworthy the date on this overview is 2014. This means definitely the pandemic is planned as these nanotechnologies are in the vaccines and able to track. Clearly Drapers work is to provide technical capability for the New World Order technocracy of full spectrum dominance.

Executive, to Lead Draper Laboratory¹⁵

MONDAY, JULY 21, 2014

CAMBRIDGE, MA-- The Board of Directors of the Charles Stark Draper Laboratory, Inc announced today that **Dr. Kaigham (Ken) J. Gabriel, a Google executive and former senior DARPA official**, has been selected as its next President and Chief Executive Officer.

Gabriel will assume his position on October 9 when James D. Shields, Draper's current President and CEO, will retire after eight years of leadership that has strengthened the Laboratory's reputation for delivering outstanding results for existing sponsors and positioned the organization for expansion into important new areas of national importance.

"Ken Gabriel is a distinguished **technology executive** with a record of accomplishment in both government and the private sector," said Franklin Miller, Chairman of the Draper Board of Directors. "His selection ensures that Draper will have the decisive leadership, informed by technical knowledge, that is required to continue the **Laboratory's 80-year record** of success."

¹⁴ <https://www.draper.com/news-releases/ken-gabriel-former-darpa-google-executive-lead-draper-laboratory>

¹⁵ <https://www.draper.com/news-releases/ken-gabriel-former-darpa-google-executive-lead-draper-laboratory>

Gabriel is currently deputy director of the **Advanced Technology and Projects** (ATAP) group at Google, which he helped establish when he joined the organization in 2012 as Corporate Vice President at **Google/Motorola Mobility**. From 2009 to 2012, Gabriel was the Deputy Director, and then Acting Director, of the Defense Advanced Research Projects Agency (**DARPA**) in the Department of Defense where he led an agency with an annual budget of \$3 billion that is charged with managing the Department's portfolio of its most cutting edge projects to both create and avoid technology surprise.

"Ken knows the Laboratory well through working with the Draper team at key points in his career," said Shields. "I can't imagine a better qualified person to build on the foundation we have established and to lead the Laboratory going forward."

Between 2002 and 2009, Gabriel, widely regarded as the architect of the **Microelectro Mechanical Systems (MEMS)** industry, was the Co-Founder, Chairman and Chief Technology Officer of **Akustica**, a fabless semiconductor company that commercialized MEMS audio devices and sensors. Akustica, based in the United States with a global supply chain and customer base, pioneered the use of **digital silicon microphones** and shipped more than six million units to the consumer electronics industry prior to being acquired in 2009.

Gabriel has been a tenured **professor in both the Robotics Institute and the Department of Electrical and Computer Engineering at Carnegie Mellon University¹⁶**. He also served as a program manager and office director at DARPA, where he conceived and led projects that took MEMS out of the laboratory into practical applications. Earlier in his career he was a visiting **professor at the University of Tokyo**, a research scientist at the **Naval Research Laboratory** and a research principal investigator at **AT&T Bell Laboratories**. Gabriel's honors include being named a **Technology Pioneer by the World Economic Forum¹⁷ at Davos** and named to the Senior Executive Service, and awarded the **Carlton Tucker Prize** for Excellence in Teaching from the **Massachusetts Institute of Technology** (MIT). Gabriel holds SM and ScD degrees in Electrical Engineering and Computer Science from the MIT.

Of his selection, Gabriel said, "**Draper is one of the nation's premier innovation organizations with accomplishments ranging from taking us to the moon with the Apollo mission guidance systems and the delivery of today's critical defense and space navigation & control solutions to emerging opportunities in biotechnology, health and energy**. I look forward to working with the dedicated and talented people of Draper and feel privileged and excited to lead this great organization."

Core Capabilities¹⁸

- Combining engineering disciplines to deliver solutions you need
- Autonomous Systems
- Biomedical Solutions
- Fault-Tolerant Systems
- Human-Centered Solutions
- Image & Data Analytics
- Materials Engineering & Microfabrication
- Microsystems
- Positioning, Navigation & Timing
- Precision Instrumentation
- Secure & Assured Systems

¹⁶ Carnegie Mellon University is a recipient of grants from Bill & Melinda Gates Foundation.

¹⁷ The World Economic forum receives grants and sponsorship from the Bill & Melinda Gates Foundation

¹⁸ <https://www.draper.com/about/governance>

Autonomous Systems

Draper combines mission planning, PN&T, situational awareness, and **novel** GN&C designs to develop and deploy **autonomous** platforms for ground, air, sea and undersea needs. These systems range in complexity from human-in-the-loop to systems that operate without any human intervention. The design of these systems generally involves decomposing the mission needs into sets of scenarios that result in trade studies that lead to an optimized solution with key performance requirements. Draper continues to advance the **field of autonomy** through research in the areas of mission planning, **sensing and perception**, mobility, learning, real-time performance evaluation and human trust in autonomous systems.

Biomedical Solutions

Draper's Biomedical Solutions capability centers on the application of **microsystems, miniaturized electronics, computational modeling, algorithm development and image and data analytics** applied to a range of challenges in healthcare and related fields. Draper fills that critical engineering niche that is required to take research or critical requirements and prototype or manufacture realizable solutions. Some specific examples are **MEMS, microfluidics and nanostructuring applied to the development of wearable and implantable medical devices, organ-assist devices and drug-delivery systems**. Novel neural interfaces for prosthetics and for treatment of **neurological conditions** are being realized through a combination of integrated miniaturized electronics and microfabrication technologies.

Fault-Tolerant Systems

Draper has developed mission-critical fault-tolerant systems for more than four decades. These systems are deployed in space, air, and undersea platforms that require extremely high reliability to accomplish challenging missions. These solutions incorporate robust hardware and software partitioning to achieve fault detection, identification and reconfiguration. Physical redundancy or multiple, identical designs protect against random hardware failures and employ rigor in evaluating differences in computed results to achieve exact consensus, even in the presence of faults. The latest designs leverage cost-effective, multicore commercial processors to implement software-based redundancy management systems in compact single-board layouts that perform the **key timing, communication, synchronization and voting algorithm functions needed to maintain seamless operation** after one, two or three arbitrary faults of individual components.

Human-Centered Solutions

Draper has continued to advance the understanding and application of **human-centered** engineering to optimize the interaction and capabilities of the human's ability to better understand, assimilate and convey information for critical decisions and tasks. Through its Human-Centered Solutions capability, Draper enables accomplishment of users' most critical missions by seamlessly integrating technology into a user's workflow. This work leverages human-computer interaction through emerging findings in applied psychophysiology and cognitive neuroscience. Draper has deep skills in the design, development, and deployment of systems to support **cognition** – for users seated at desks, on the move with mobile devices or maneuvering in the cockpit of vehicles – and collaboration across human-human and human-autonomous teams.

Image & Data Analytics

Draper combines specific domain expertise and knowledge of how to apply the latest **analytics techniques** to extract meaningful information from raw data to better understand complex, dynamic processes. Our system design approach encompasses effective organization and processing of large data sets, automated analysis using algorithms and exploitation of results. To facilitate user interaction with these processed data sets, Draper applies advanced techniques to **automate understanding and correlation of patterns in the data**. Draper's expertise encompasses **machine learning** (including **deep learning**), information fusion from diverse and heterogeneous data sources, optimized coupling of data acquisition and analysis and novel methods for analysis of **imagery and video data**.

Materials Engineering & Microfabrication

Draper continues to develop its expertise in designing, characterizing and processing materials at the **macro-, micro- and nanoscales**. Understanding the physical properties and behaviors of materials at these various scales is vital to exploit them successfully in designing components or systems. This enables the development and **integration of biomaterials**, 3D printing and additive manufacturing, wafer fabrication, chemical and electrochemical materials and structural materials for application to system-level solutions required of government and commercial sponsors.

Microsystems

Draper has designed and developed microelectronic components and systems going back to the mid-1980s. Our integrated, ultra-high density (iUHD) modules of heterogeneous components feature system functionality in the smallest form factor possible through integration of commercial-off-the-shelf (COTS) technology with Draper-developed custom packaging and interconnect technology. Draper continues to pioneer custom **Microelectromechanical Systems** (MEMS), Application-Specific Integrated Circuits (ASICs) and custom **radio frequency** components for both commercial (**microfluidic** platforms organ assist, drug development, etc.) and government (**miniaturized data collection, new sensors, Micro-sats**, etc.) applications. Draper features a complete in-house iUHD and MEMS fabrication capability and has existing relationships with many other **MEMS** and microelectronics fabrication facilities.

Positioning, Navigation & Timing

Draper develops **novel** PN&T solutions by combining precision instrumentation, advanced hardware technology, comprehensive algorithm and software development skills, and unique infrastructure and test resources to deploy system solutions. The scope of these efforts generally focuses on guidance, navigation, and control GN&C-related needs, ranging from highly accurate, inertial solutions for (ICBMs) and inertial/stellar solutions for **SLBMs**, to integrated Inertial Navigation System (INS)/GPS solutions for gun-fired munitions, to multisensor configurations for soldier navigation in GPS-challenged environments. Emerging technologies under development that leverage and advance **commercial** technology offerings include celestial navigation (compact star cameras), inertial navigation (MEMS, cold atom sensors), precision time transfer (precision optics, chip-scale atomic clocks) and **vision-based** navigation (**cell phone cameras, combinatorial signal processing algorithms**).

Precision Instrumentation

Draper develops precision instrumentation systems that exceed the state-of-the-art in key parameters (input range, accuracy, stability, bandwidth, ruggedness, etc.) that are designed specifically to operate in our sponsor's most challenging environments (high shock, high temperature, **radiation**, etc.). As a recognized leader in the development and application of precision instrumentation solutions for platforms ranging from missiles to people to **micro-Unmanned Aerial Vehicles** (UAVs), Draper finds or develops state-of-the-art components (gyros, accelerometers, magnetometers, precision clocks, optical systems, etc.) that meet the demanding size, weight, power and cost **needs of our sponsors** and applies extensive system design capabilities consisting of modeling, mechanical and electrical design, packaging and development-level testing to realize instrumentation solutions that meet these critical and demanding needs.

Secure & Assured Systems

Over the past 10 years, Draper has extracted **miniature systems** and real-time embedded systems design knowledge to develop **cyber** capabilities to assess software **vulnerabilities** and capabilities to secure electronics systems. Additionally, Draper has demonstrated **secure networks featuring over-the-air keying** to realize cryptographically encoded, high-bandwidth communications for UAVs and other applications. These complementary capabilities and technologies provide robust security solutions to guard critical embedded systems against cyber, reverse engineering, and other attacks and ensure that critical information can be protected and delivered in a timely and accurate manner.

Government Customers

Draper is **Exempt** from Full and Open Competition

In accordance with 10 U.S.C 2304 (c)(3)(B), implemented through the Federal Acquisition Regulation (FAR), full and open competition need not be provided for when authorized under FAR 6.302-3 "to establish and maintain an **essential** engineering, research, or development capability to be provided by an educational or other nonprofit institution."

This exemption is reinforced by Department of Defense (DoD) policy guidance issued since 1987 and validated by **Under Secretary of Defense, Frank Kendall Memorandum**, dated March 13, 2015. Email Contracts@Draper.com to determine whether an available contract vehicle exists to support your effort. If no contract vehicle meets the needs of your Statement of Work, we'll guide you through other steps to access our engineering support.

The following examples represent contract vehicles established under the (c)(3) exemption:

Contract Number	Contract Description	Sponsor
HQ0006-09-C-0004	Missile Defense Agency R&D	Army
W31P4Q-05-C-R201	Joint Technology Center/System Integration Laboratory R&D Services	Army
HQ0006-03-D-0048	Missile Defense Agency R&D	MDA
NNJ11HA31C	Advanced GN&C and Avionics Development	NASA
NNA15BB07B	NASA AMES Engineering R&D Services	NASA
N00030-14-G-0050	R&D Services Basic Ordering Agreement	Navy
N00030-05-C-0009	Strategic Systems GFY 2005 R&D	Navy
N00030-04-C-0003	Strategic Systems GFY 2004 R&D	Navy
N00030-03-C-0002	Strategic Systems GFY 2003 R&D	Navy
N66604-07-D-0113	NUWC R&D IDIQ	Navy
N00421-02-D-3092	NAVAIR R&D IDIQ	Navy
N00174-05-D-0002	Indian Head R&D IDIQ	Navy

Commercial Customers

Accessing the power of Draper engineering is easy and fast.

Draper's standard [Development Services Agreement](#) allows us to establish a fair and reasonable master agreement with our commercial customers for development work so we can begin solving your problems quickly.

Our streamlined processes allow us to add task orders to the master agreement as new development work is needed to deliver what you need when you need it.

Vendors

Draper solicits and encourages small businesses by purchasing from these organizations whenever practicable, without compromising quality of service or price.

Our intent is to provide the maximum practicable opportunity for Small, Small Disadvantaged, Woman-Owned Small, Veteran-Owned, Service Disabled Veteran, HBCU, and HUBZone Small Business Concerns to participate in the performance of Draper's contracts. Vendors interested in doing business with Draper are asked to fill out the form below to make an inquiry to Draper.

The company's universally applied terms of purchase may be found [here](#).

7.3.3 DARPA, HAARP and Weather Modification¹⁹

NRL Scientists Produce Densest Artificial Ionospheric Plasma Clouds Using HAARP

Our next piece of evidence concerns the US Naval use of HAARP, the infamous Alaskan facility that pioneered weather modification and weaponization. Some have speculated that HAARP is now outdated and purely a research facility nowadays, yet recent papers such as the Navy's work with plasma as well as the Stanford documents I will cite below speak otherwise. Newer models of manipulation do appear to be connected with Nexrad and Doppler towers, particularly in regard to harnessing lightning as DARPA's budget shows (see here, page 55). However, HAARP is still an important part of that research, if we are to believe these reports. It is also important to keep in mind the Navy is a defense and wartime institution, not a humanitarian one. This supports my above thesis that weather and geoengineering strategies are for militaristic purposes, not the "common good." 21stCenturyWire writer Shawn Helton explains of HAARP:

"Rain producing cloud seeding operations, drought linked [geoengineering] programs and directed energy technology have been working in tandem, altering the world for sometime under the umbrella of the High Frequency Active Auroral Research Program, better known as HAARP, a joint project funded by the U.S. Air Force, Navy and DARPA. At the core of the program's development is said to be a "*unique high frequency ionospheric heating capability*." In addition to that, there is the mention of ELF waves, Geophysical probing and other military applications."

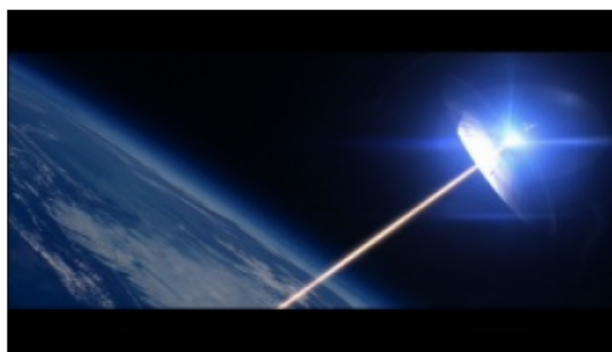
¹⁹ *wakeup-world.com-Exposed Global Geo-Engineering Psy-Ops Documented*

The Navy report in question states:

“U.S. Naval Research Laboratory (NRL) research physicists and engineers from the Plasma Physics Division, working at the High-frequency Active Auroral Research Program (HAARP) transmitter facility, Gakona, Alaska, successfully produced a sustained high density plasma cloud in Earth’s upper atmosphere. “Previous artificial plasma density clouds have lifetimes of only ten minutes or less,” said Paul Bernhardt, Ph.D., NRL Space Use and Plasma Section. “This higher density plasma ‘ball’ was sustained over one hour by the HAARP transmissions and was extinguished only after termination of the HAARP radio beam.

These glow discharges in the upper atmosphere were generated as a part of the Defense Advanced Research Projects Agency (DARPA) sponsored Basic Research on Ionospheric Characteristics and Effects (BRIOCHE) campaign to explore ionospheric phenomena and its impact on communications and space weather. Using the 3.6-megawatt high-frequency (HF) HAARP transmitter, the plasma clouds, or balls of plasma, are being studied for use as artificial mirrors at altitudes 50 kilometers below the natural ionosphere and are to be used for reflection of HF radar and communications signals.”

Directed energy satellite weapon from the 2002 Bond film, Die Another Day. Ironically, the villains in the film are North Koreans. Sound familiar?



DARPA and the Navy working together on plasma manipulation in the atmosphere – it sounds like a nightmare from Nikola Tesla following a bad case of indigestion. DARPA is the establishment’s crypto weaponized tech arm of the military industrial complex, giving us the Internet itself, and here we see they are very much interested in directed energy weapons and weather modification.

Given that the Anglo-American establishment has the same ruling elite, my connection between the Royal Society’s paper on geo-engineering and the US military’s testing of directed plasma energy logically converge. This doesn’t sound like your garden variety, mass consumption physics we are fed in establishment academia, but something akin to the energetic-based *hidden metaphysics* I have been speaking of, more along the lines of Tesla and Platonic *aether*. Did you learn about directed energy weapons and plasma

balls in your college physics course? On the contrary, the cult of scientism purposefully feeds bunk science to the masses, as I have expounded here.

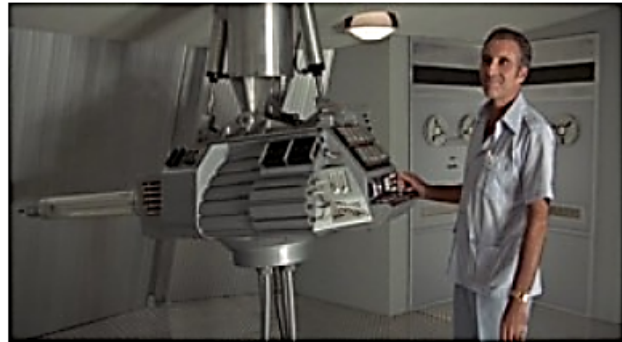
The Stanford VLF Group

Next in our series of documentation is the Stanford University's database dedicated to very low and extremely low-frequency programs. The radio waves mentioned above are merely one piece of the massive programs based at universities and government institutions globally focused on environmental dominance. Stanford stands out as a major hub of such programs, and blasting the atmosphere with such frequencies reveals much deeper designs than mere "weather experiments." HAARP has long utilized VLF/ELF waves to cause different effects in weather patterns, but what we see in the VLF group is the synthesis of all the above. A sampling of hundreds of papers dealing with the following are linked:

From lightning effects to earthquake signatures, we know from the 1997 Department of Defense transcript from William S. Cohen earthquake-inducing weapons, as well as much more, making the very connections I am:

“Alvin Toeffler has written about this in terms of some scientists in their laboratories trying to devise certain types of pathogens that would be ethnic specific so that they could just eliminate certain ethnic groups and races; and others are designing some sort of engineering, some sort of insects that can destroy specific crops. Others are engaging even in an eco- type of terrorism whereby they can alter the climate, set off earthquakes, volcanoes remotely through the use of electromagnetic waves.”

Scaramanga's Directed Solar Energy Weapon in the 1974 film, The Man With the Golden Gun. Image imfdb.org



Skeptics and deniers are wont to make the integrated connections I am because they cannot grasp the concept of compartmentalization, wherein various scientific enclaves are working for some very specific ends. These ends, however, are ultimately for the goals of an establishment with a manifesto of global genocide, from the Georgia Guidestones, to Ted Turner to Al Gore to the Royal Society. Globalist technocrats from Brzezinski to Toffler to Bill Gates have also long been vocal on Geoengineering and ELF/VLF manipulation and their military uses, which brings me to my concluding example.

Col. Michael Aquino, founder of the Temple of Set, and military psy-op commander co-authored a famous 2003 paper on psychological warfare titled: “From PSYOP to MindWar: The Psychology of Victory”, in which the footnotes at the end describe just the nefarious scenario Cohen warned of and are best cited in their entirety. Aquino and Valley write:

“19 Atmospheric electromagnetic (EM) activity: The Human body communicates internally by EM and electrochemical impulses. The EM field displayed in Kirlian photographs, the effectiveness of acupuncture, and the body’s physical responses to various types of EM radiation (X-rays, infrared radiation, visible light spectra, etc.) are all examples of human sensitivity to EM forces and fields. Atmospheric EM activity is regularly altered by such phenomena as sunspot eruptions and gravitational stresses which distort the Earth’s magnetic field. Under varying external EM conditions, humans are more or less disposed to the consideration of new ideas. MindWar should be timed accordingly. Per Dr. LJ. Ravitz:

Electromagnetic field constructs add fuel to the assumption unifying living matter harmoniously with the operations of nature, the expression of an electromagnetic field no less than non-living systems; and that as points on spectrums, these two entities may at last take their positions in the organization of the universe in a way both explicable and rational ... A tenable theory has been provided for emergence of the nervous system, developing not from functional demands, but instead deriving as a result of dynamic forces imposed on cell groups by the total field pattern. Living matter on has a definition of state based on relativity field physics, through which it has been possible to detect a measurable property of total state functions. (Ravitz, State- Function, Including Hypnotic States” in Journal of American Society of Psychosomatic Dentistry and Medicine, Vol. 17, No. 4, 1970.)

20 Ionization of the air: An abundance of negative condensation nuclei (“air ions”) in ingested air enhances alertness and exhilaration, while an excess of positive ions enhances drowsiness and depression. Calculation of the ionic balance of a target audience’s atmospheric environment will be correspondingly useful. Again this is a naturally-occurring condition – caused by such varying agents as solar ultraviolet light, lightning, and rapidly-moving water – rather than one which must be artificially created. (Detonation of nuclear weapons, however, will alter atmospheric ionization levels.) Cf. Soyke, Fred and Edmonds, Alan, *The Ion Effect*. New York: E.P. Dutton, 1977.

21 Extremely Low Frequency (ELF) waves: ELF waves up to 100 Hz are once more naturally occurring, but they can also be produced artificially (such as for the Navy’s Project Sanguine for submarine communication). ELF-waves are not normally noticed by the unaided senses, yet their resonant effect upon the human body has been connected to both physiological disorders and emotional distortion. Infrasoundvibration (up to 20 Hz) can subliminally influence brain activity to align itself to delta, theta, alpha, or beta wave patterns, inclining an audience toward everything from alertness to passivity. Infrasound could be used tactically, as ELF-waves endure for great distances; and it could be used in conjunction with media broadcasts as well. See Playfair, Guy L. and Hill, Scott, *The Cycles of Heaven*. New York: St. Martin’s Press, 1978, pages 130-140.”

Note: DARPA did indicate the manipulation of matter is the latest. They are designing a Darwinian evolutionary leap out of designed chaos (order out of chaos) to experiment on human adaptation. MK-Ultra put its victims under extreme duress and torture to examine human strength, mind control and survival.

The real golden gun, like the control of all life, is the control and direction of energy. Modern fiat economics itself is a directed energy weapon. Image: theo07dissier.com



There you go – a master of psychological warfare admits all the connections I made above. Humans are walking, energetic beings that vibrate at a cellular level at various frequencies. Through mass manipulation of ELF waves, the frequencies can be manipulated through the atmosphere (geoengineering), as well as through mediums such as television and media broadcasts. We know the monkey lab in Bastrop, Texas focuses on tuning flicker rates to specific speeds to cause hypnotic effects, so we can deduce similar programs are at work involving frequency manipulation with the entire environment, which is key.

It is not merely an attack on some single aspect of organisms, but a dominance of all aspects of organic life. The technocratic dream of transhumanist transcendence is the reason for all this, the assumption being that to go to the next level, the existing order must be utilized for mass experimentation to determine which genetic strands can best adapt and conversely which means are the best appropriation to attaining singularity in a Skynet-ruled, RFID dust-covered nanotech planet. In the wake of the destruction, the forced Darwinian evolution will cause a “leap” in those able to adapt, pure order out of designed chaos. Geoengineering is clearly a part of this mass engineering. When we step outside the compartmentalized framework, we can clearly see the pattern I have elucidated emerge.

Previous article by Jay:

[Sad Max – Bored Warrior of the Asexual Apocalypse](#)

About the author:

Jay Dyer is a controversial writer, journalist, satyrist, philosopher/theologian. He is owner of the popular website [Jay's Analysis](#), and he has conducted interviews with NY Times' #1 best seller, Jim Marrs, Col. Anthony Shaffer, Sen. Rand Paul (R), KY, author/commentators Phillip and Paul Collins of [ConspiracyArchive.com](#), former Mi5 spymaster and whistleblower, Annie Machon, Reuters' award-winning economics reporter Pedro da Costa, NY Times' #1 best selling graphic novel artist for *Game of Thrones*, Tommy Patterson, as well as conducted debates with James White's Alpha & Omega Ministries and top Catholic apologists, such as Gerry Matatics.



7.4 How the CIA Made Google²⁰

Note: The innocence in what we do on a daily basis is being eroded as we discover the depth of intelligence networks involved in surveilling the public. It drives us away from high tech rather than towards it. There is no respect for privacy or true consent. This is all about US Corporations (in this case) and their pursuit of greatness. Nothing done without respect is great for the targets. Nafeez Ahmed is an independent Journalists who has researched how the CIA made Google. All our searches are recorded as part of our profiles. People may note that libraries are being defunded, that is to force us online. COVID-19 is a false flag operation to unlike the others where the objective is to remove our civil rights as they seek full spectrum dominance. It is mind blowing form a civilians perspective. They are clearly not at peace and this is a road that does not lead to sustainability or some imagined Utopia, it will lead to great suffering for the public pushed to the point where they, at some point, have to say no to bullying and this continual attack on liberty. When all freedom is for many of us is to live our lives, follow our passion and just be left in peace. These ones in power can't seem to live and let live. Anyway, this is an extract from Nafeez Ahmed "...There is little new in this story. The 9/11 atrocity was the first of many terrorist attacks, each succeeded by the dramatic extension of draconian state powers at the expense of civil liberties, backed up with the projection of military force in regions identified as hotspots harbouring terrorists. Yet there is little indication that this tried and tested formula has done anything to reduce the danger. If anything, we appear to be locked into a deepening cycle of violence with no clear end in sight. As our governments push to increase their powers, INSURGE INTELLIGENCE can now reveal the vast extent to which the US intelligence community is implicated in nurturing the web platforms we know today, for the precise purpose of utilizing the technology as a mechanism to fight global 'information war'—a war to legitimize the power of the few over the rest of us. The lynchpin of this story is the corporation that in many ways defines the 21st century with its unobtrusive omnipresence: Google. Google styles itself as a friendly, funky, user-friendly tech firm that rose to prominence through a combination of skill, luck, and genuine innovation. This is true. But it is a mere fragment of the story. In reality, Google is a smokescreen behind which lurks the US military-industrial complex..." This excerpt on advanced propaganda is very interesting as it speaks of DARPA controlling the narrative with empathetic and noble or sacred values, it is all manipulation...

In COVID-19 we were told (as if they care) "stay safe" and "keep apart so we can stay together", and the purpose is to "save lives": "...the Pentagon Highlands Forum's promotion of advanced propaganda techniques is not exclusive to core, longstanding delegates like Rendon and Zalman. In 2011, the Forum hosted two DARPA-funded scientists, Antonio and Hanna Damasio, who are principal investigators in the 'Neurobiology of Narrative Framing' project at the University of Southern California. Evoking Zalman's emphasis on the need for Pentagon psychological operations to deploy "empathetic influence," the new DARPA-backed project aims to investigate how narratives often appeal "to strong, sacred values in order to evoke an emotional response," but in different ways across different cultures. The most disturbing element of the research is its focus on trying to understand how to increase the Pentagon's capacity to deploy narratives that influence listeners in a way that overrides conventional reasoning in the context of morally-questionable actions. The project description explains that the psychological reaction to narrated events is "influenced by how the narrator frames the events, appealing to different values, knowledge, and experiences of the listener." Narrative framing that "targets the sacred values of the listener, including core personal, nationalistic, and/or religious values, is particularly effective at influencing the listener's interpretation of narrated events," because such "sacred values" are closely tied with "the psychology of identity, emotion, moral decision making, and social cognition." By applying sacred framing to even mundane issues, such issues "can gain properties of sacred values and result in a strong aversion to using conventional reasoning to interpret them." The two Damasios and their team are exploring what role "linguistic and neuropsychological mechanisms" play in determining "the effectiveness of narrative framing using sacred values in influencing a listener's interpretation of events." The research is based on extracting narratives from millions of American, Iranian and Chinese weblogs, and subjecting them to automated discourse analysis to compare them quantitatively across the three languages. The investigators then follow up using behavioral experiments with readers/listeners from different cultures to gauge their reaction different narratives "where each story makes an appeal to a sacred value to explain or justify a morally-questionable behavior of the author." Finally, the scientists apply neurobiological fMRI scanning to correlate the reactions and personal characteristics of subjects with their brain responses. Why is the Pentagon funding research investigating how to exploit people's "sacred values" to extinguish their capacity for logical reasoning, and enhance their emotional openness to "morally-questionable behavior"?

²⁰ <https://medium.com/insurge-intelligence/how-the-cia-made-google-e836451a959e>he secret network behind mass surveillance, endless war, and Skynet—

7.4.1 How the CIA made Google²¹

Note: The innocence in what we do on a daily basis is being eroded as we discover the depth of intelligence networks involved in surveilling the public. It drives us away from high tech rather than towards it. There is no respect for privacy or true consent. This is all about US Corporations (in this case) and their pursuit of greatness. Nothing done without respect is great for the targets. Nafeez Ahmed is an independent Journalists who has researched how the CIA made Google.

[Nafeez Ahmed](#) Follow

Jan 22, 2015

Inside the secret network behind mass surveillance, endless war, and Skynet—

part 1

By Nafeez Ahmed

***INSURGE INTELLIGENCE**, a new crowd-funded investigative journalism project, breaks the exclusive story of how the United States intelligence community funded, nurtured and incubated Google as part of a drive to dominate the world through control of information. Seed-funded by the NSA and CIA, Google was merely the first among a plethora of private sector start-ups co-opted by US intelligence to retain 'information superiority.'*

The origins of this ingenious strategy trace back to a secret Pentagon-sponsored group, that for the last two decades has functioned as a bridge between the US government and elites across the business, industry, finance, corporate, and media sectors. The group has allowed some of the most powerful special interests in corporate America to systematically circumvent democratic accountability and the rule of law to influence government policies, as well as public opinion in the US and around the world. The results have been catastrophic: NSA mass surveillance, a permanent state of global war, and a new initiative to transform the US military into Skynet.

THIS IS PART ONE. READ [PART TWO HERE](#).

This exclusive is being released for free in the public interest, and was enabled by crowdfunding. I'd like to thank my amazing community of patrons for their support, which gave me the opportunity to work on this in-depth investigation. Please [support independent, investigative journalism for the global commons](#).

In the wake of the Charlie Hebdo attacks in Paris, western governments are moving fast to legitimize expanded powers of mass surveillance and controls on the internet, all in the name of fighting terrorism.

US and European [politicians](#) have called to protect NSA-style snooping, and to advance the capacity to intrude on internet privacy by outlawing encryption. One idea is to establish a telecoms partnership that would unilaterally delete content deemed to "fuel hatred and violence" in situations considered "appropriate." Heated discussions are going on at government and parliamentary level to explore cracking down on [lawyer-client](#) confidentiality.

What any of this would have done to prevent the Charlie Hebdo attacks remains a [mystery](#), especially given that we already know the terrorists were on the radar of French intelligence for up to a decade.

There is little new in this story. The 9/11 atrocity was the first of many terrorist attacks, **each succeeded by the dramatic extension of draconian state powers at the expense of civil liberties, backed up with the projection of military force in regions identified as hotspots harbouring terrorists.** Yet there is little indication that this

²¹ <https://medium.com/insurge-intelligence/how-the-cia-made-google-e836451a959e>he secret network behind mass surveillance, endless war, and Skynet—

tried and tested formula has done anything to reduce the danger. If anything, we appear to be locked into a deepening cycle of violence with no clear end in sight.

As our governments push to increase their powers, *INSURGE INTELLIGENCE* can now reveal the vast extent to which the US intelligence community is implicated in nurturing the web platforms we know today, for the precise purpose of utilizing the technology as a mechanism to fight global 'information war'—a war to legitimize the power of the few over the rest of us. The lynchpin of this story is the corporation that in many ways defines the 21st century with its unobtrusive omnipresence: Google.

Google styles itself as a friendly, funky, user-friendly tech firm that rose to prominence through a combination of skill, luck, and genuine innovation. This is true. But it is a mere fragment of the story. In reality, Google is a smokescreen behind which lurks the US military-industrial complex.

The inside story of Google's rise, revealed here for the first time, opens a can of worms that goes far beyond Google, unexpectedly shining a light on the existence of a parasitical network driving the evolution of the US national security apparatus, and profiting obscenely from its operation.

The shadow network

For the last two decades, US foreign and intelligence strategies have resulted in a global 'war on terror' consisting of prolonged military invasions in the Muslim world and comprehensive surveillance of civilian populations. These strategies have been incubated, if not dictated, by a secret network inside and beyond the Pentagon.

Established under the Clinton administration, consolidated under Bush, and firmly entrenched under Obama, this bipartisan network of mostly neoconservative ideologues sealed its dominion inside the US Department of Defense (DoD) by the dawn of 2015, through the operation of an obscure corporate entity outside the Pentagon, but run by the Pentagon.

In 1999, the CIA created its own venture capital investment firm, In-Q-Tel, to fund promising start-ups that might create technologies useful for intelligence agencies. But the inspiration for In-Q-Tel came earlier, when the Pentagon set up its own private sector outfit.

Known as the 'Highlands Forum,' this private network has operated as a bridge between the Pentagon and powerful American elites outside the military since the mid-1990s. Despite changes in civilian administrations, the network around the Highlands Forum has become increasingly successful in dominating US defense policy.

Giant defense contractors like Booz Allen Hamilton and Science Applications International Corporation are sometimes referred to as the 'shadow intelligence community' due to the revolving doors between them and government, and their capacity to simultaneously influence and profit from defense policy. But while these contractors compete for power and money, they also collaborate where it counts. The Highlands Forum has for 20 years provided an off the record space for some of the most prominent members of the shadow intelligence community to convene with senior US government officials, alongside other leaders in relevant industries.

I first stumbled upon the existence of this network in November 2014, when I reported for *VICE's Motherboard* that US defense secretary Chuck Hagel's newly announced 'Defense Innovation Initiative' was really about [building Skynet](#)—or something like it, essentially to dominate an emerging era of automated robotic warfare.

That story was based on a little-known Pentagon-funded 'white paper' published two months earlier by the National Defense University (NDU) in Washington DC, a leading US military-run institution that, among other things, generates research to develop US defense policy at the highest levels. The white paper clarified the thinking behind the new initiative, and the revolutionary scientific and technological developments it hoped to capitalize on.

The Highlands Forum

The co-author of that NDU white paper is Linton Wells, a 51-year veteran US defense official who served in the Bush administration as the Pentagon's chief information officer, overseeing the National Security Agency

(NSA) and other spy agencies. He [still holds](#) active top-secret security clearances, and according to a report by *Government Executive* magazine in 2006 he [chaired the 'Highlands Forum'](#), founded by the Pentagon in 1994.

Linton Wells II (right) former Pentagon chief information officer and assistant secretary of defense for networks, at a recent Pentagon Highlands Forum session. Rosemary Wenchel, a senior official in the US Department of Homeland Security, is sitting next to him

[New Scientist](#) magazine (paywall) has compared the Highlands Forum to elite meetings like "Davos, Ditchley and Aspen," describing it as "far less well known, yet... arguably just as influential a talking shop." Regular Forum meetings bring together "innovative people to consider interactions between policy and technology. Its biggest successes have been in the development of high-tech network-based warfare."

Given Wells' role in such a Forum, perhaps it was not surprising that his defense transformation white paper was able to have such a profound impact on actual Pentagon policy. But if that was the case, why had no one noticed?

Despite being sponsored by the Pentagon, I could find no official page on the DoD website about the Forum. Active and former US military and intelligence sources had never heard of it, and neither did national security journalists. I was baffled.

The Pentagon's intellectual capital venture firm

In the prologue to his 2007 book, *A Crowd of One: The Future of Individual Identity*, John Clippinger, an MIT scientist of the Media Lab Human Dynamics Group, described how he participated in a "Highlands Forum" gathering, an "invitation-only meeting funded by the Department of Defense and chaired by the assistant for networks and information integration." This was a senior DoD post overseeing operations and policies for the Pentagon's most powerful spy agencies including the NSA, the Defense Intelligence Agency (DIA), among others. Starting from 2003, the position was transitioned into what is now the undersecretary of defense for intelligence. The Highlands Forum, Clippinger wrote, was founded by a retired US Navy captain named Dick O'Neill. Delegates include senior US military officials across numerous agencies and divisions—"captains, rear admirals, generals, colonels, majors and commanders" as well as "members of the DoD leadership."

What at first appeared to be the Forum's main [website](#) describes Highlands as "an informal cross-disciplinary network sponsored by Federal Government," focusing on "information, science and technology." Explanation is sparse, beyond a single 'Department of Defense' logo.

But Highlands also has [another](#) website describing itself as an "intellectual capital venture firm" with "extensive experience assisting corporations, organizations, and government leaders." The firm provides a "wide range of services, including: strategic planning, scenario creation and gaming for expanding global markets," as well as "working with clients to build strategies for execution." 'The Highlands Group Inc.,' the website says, organizes a whole range of Forums on these issue.

For instance, in addition to the Highlands Forum, since 9/11 the Group runs the 'Island Forum,' an international event held in association with Singapore's Ministry of Defense, which O'Neill oversees as "lead consultant." The Singapore Ministry of Defense website describes the Island Forum as "[patterned after](#) the Highlands Forum organized for the US Department of Defense." Documents leaked by NSA whistleblower Edward Snowden confirmed that Singapore played a key role in permitting the US and Australia to tap [undersea cables](#) to spy on Asian powers like Indonesia and Malaysia.

The Highlands Group website also reveals that Highlands is partnered with one of the most powerful defense contractors in the United States. Highlands is "supported by a network of companies and independent researchers," including "our Highlands Forum partners for the past ten years at SAIC; and the vast Highlands network of participants in the Highlands Forum."

SAIC stands for the US defense firm, Science Applications International Corporation, which changed its name to Leidos in 2013, operating SAIC as a subsidiary. SAIC/Leidos is among the [top 10](#) largest defense contractors

in the US, and works closely with the US intelligence community, especially the NSA. According to investigative journalist Tim Shorrock, the first to disclose the vast extent of the privatization of US intelligence with his seminal book *Spies for Hire*, SAIC has a "symbiotic relationship with the NSA: the agency is the company's largest single customer and SAIC is the NSA's largest contractor."

Richard 'Dick' Patrick O'Neill, founding president of the Pentagon's Highlands Forum

The full name of Captain "Dick" O'Neill, the founding president of the Highlands Forum, is Richard Patrick O'Neill, who after his work in the Navy joined the DoD. He served his last post as deputy for strategy and policy in the Office of the Assistant Secretary for Defense for Command, Control, Communications and Intelligence, before setting up Highlands.

The Club of Yoda

But Clippinger also referred to another mysterious individual revered by Forum attendees:

"He sat at the back of the room, expressionless behind thick, black-rimmed glasses. I never heard him utter a word... Andrew (Andy) Marshall is an icon within DoD. Some call him Yoda, indicative of his mythical inscrutable status... He had served many administrations and was widely regarded as above partisan politics. He was a supporter of the Highlands Forum and a regular fixture from its beginning."

Since 1973, Marshall has headed up one of the Pentagon's most powerful agencies, the Office of Net Assessment (ONA), the US defense secretary's internal 'think tank' which conducts highly classified research on future planning for defense policy across the US military and intelligence community. The ONA has played a key role in major Pentagon strategy initiatives, including Maritime Strategy, the Strategic Defense Initiative, the Competitive Strategies Initiative, and the Revolution in Military Affairs.

Andrew 'Yoda' Marshall, head of the Pentagon's Office of Net Assessment (ONA) and co-chair of the Highlands Forum, at an early Highlands event in 1996 at the Santa Fe Institute. Marshall is retiring as of January 2015

In a rare 2002 profile in [Wired](#), reporter Douglas McGray described Andrew Marshall, now 93 years old, as "the DoD's most elusive" but "one of its most influential" officials. McGray added that "Vice President Dick Cheney, Defense Secretary Donald Rumsfeld, and Deputy Secretary Paul Wolfowitz"—widely considered the hawks of the neoconservative movement in American politics—were among Marshall's "star protégés."

Speaking at a low-key [Harvard University seminar](#) a few months after 9/11, Highlands Forum founding president Richard O'Neill said that Marshall was much more than a "regular fixture" at the Forum. "Andy Marshall is our co-chair, so indirectly everything that we do goes back into Andy's system," he told the audience. "Directly, people who are in the Forum meetings may be going back to give briefings to Andy on a variety of topics and to synthesize things." He also said that the Forum had a third co-chair: the [director of the Defense Advanced Research and Projects Agency \(DARPA\)](#), which at that time was a Rumsfeld appointee, Anthony J. Tether. Before joining DARPA, Tether was vice president of SAIC's Advanced Technology Sector.

Anthony J. Tether, director of DARPA and co-chair of the Pentagon's Highlands Forum from June 2001 to February 2009

The Highlands Forum's influence on US defense policy has thus operated through three main channels: its sponsorship by the Office of the Secretary of Defense (around the middle of last decade this was transitioned specifically to the [Office of the Undersecretary of Defense for Intelligence](#), which is in charge of the main surveillance agencies); its direct link to Andrew 'Yoda' Marshall's ONA; and its direct link to DARPA.

A slide from Richard O'Neill's presentation at Harvard University in 2001

According to Clippinger in *A Crowd of One*, "what happens at informal gatherings such as the Highlands Forum could, over time and through unforeseen curious paths of influence, have enormous impact, not just within the DoD but throughout the world." He wrote that the Forum's ideas have "moved from being heretical to mainstream. Ideas that were anathema in 1999 had been adopted as policy just three years later."

Although the Forum does not produce "consensus recommendations," its impact is deeper than a traditional government advisory committee. "The ideas that emerge from meetings are available for use by decision-makers as well as by people from the think tanks," according to [O'Neill](#):

"We'll include people from Booz, SAIC, RAND, or others at our meetings... We welcome that kind of cooperation, because, truthfully, they have the gravitas. They are there for the long haul and are able to influence government policies with real scholarly work... We produce ideas and interaction and networks for these people to take and use as they need them."

My repeated requests to O'Neill for information on his work at the Highlands Forum were ignored. The Department of Defense also did not respond to multiple requests for information and comment on the Forum.

Information warfare

The Highlands Forum has served as a two-way 'influence bridge': on the one hand, for the shadow network of private contractors to influence the formulation of information operations policy across US military intelligence; and on the other, for the Pentagon to influence what is going on in the private sector. There is no clearer evidence of this than the truly instrumental role of the Forum in incubating the idea of mass surveillance as a mechanism to dominate information on a global scale.

In 1989, Richard O'Neill, then a US Navy cryptologist, wrote a paper for the US Naval War College, *'Toward a methodology for perception management.'* In his book, *Future Wars*, Col. John Alexander, then a senior officer in the US Army's Intelligence and Security Command (INSCOM), records that O'Neill's paper for the first time outlined a strategy for "perception management" as part of information warfare (IW). O'Neill's proposed strategy identified three categories of targets for IW: adversaries, so they believe they are vulnerable; potential partners, "so they perceive the cause [of war] as just"; and finally, civilian populations and the political leadership so they "perceive the cost as worth the effort." A secret briefing based on O'Neill's work "made its way to the top leadership" at DoD. "They acknowledged that O'Neill was right and told him to bury it.

Except the DoD didn't bury it. [Around 1994](#), the Highlands Group was founded by O'Neill as an official Pentagon project at the appointment of Bill Clinton's then defense secretary [William Perry](#)—who went on to join SAIC's board of directors after retiring from government in 2003.

In O'Neill's own words, the group would function as the Pentagon's '[ideas lab](#)'. According to [Government Executive](#), military and information technology experts gathered at the first Forum meeting "to consider the impacts of IT and globalization on the United States and on warfare. How would the Internet and other emerging technologies change the world?" The meeting helped plant the idea of "network-centric warfare" in the minds of "the nation's top military thinkers."

Excluding the public

Official Pentagon records confirm that the Highlands Forum's primary goal was to support DoD policies on O'Neill's specialism: information warfare. According to the Pentagon's 1997 [Annual Report to the President and the Congress](#) under a section titled 'Information Operations,' (IO) the Office of the Secretary of Defense (OSD) had authorized the "establishment of the Highlands Group of key DoD, industry, and academic IO experts" to coordinate IO across federal military intelligence agencies.

The following year's [DoD annual report](#) reiterated the Forum's centrality to information operations: "To examine IO issues, DoD sponsors the Highlands Forum, which brings together government, industry, and academic professionals from various fields."

Notice that in 1998, the Highlands 'Group' became a 'Forum.' According to O'Neill, this was to avoid subjecting Highlands Forums meetings to "bureaucratic restrictions." What he was alluding to was the Federal Advisory Committee Act (FACA), which regulates the way the US government can formally solicit the advice of special interests.

Known as the 'open government' law, FACA requires that US government officials cannot hold closed-door or secret consultations with people outside government to develop policy. All such consultations should take place via federal advisory committees that permit public scrutiny. FACA requires that meetings be held in public, announced via the Federal Register, that advisory groups are registered with an office at the General Services Administration, among other requirements intended to maintain accountability to the public interest.

But [Government Executive](#) reported that “O’Neill and others believed” such regulatory issues “would quell the free flow of ideas and no-holds-barred discussions they sought.” Pentagon lawyers had warned that the word ‘group’ might necessitate certain obligations and advised running the whole thing privately: “So O’Neill renamed it the Highlands Forum and moved into the private sector to manage it as a consultant to the Pentagon.” The Pentagon Highlands Forum thus runs under the mantle of O’Neill’s ‘intellectual capital venture firm,’ ‘Highlands Group Inc.’

In 1995, a year after William Perry appointed O’Neill to head up the Highlands Forum, SAIC—the Forum’s “partner” organization—[launched](#) a new Center for Information Strategy and Policy under the direction of “Jeffrey Cooper, a member of the Highlands Group who advises senior Defense Department officials on information warfare issues.” The Center had precisely the same objective as the Forum, to function as “a clearinghouse to bring together the best and brightest minds in information warfare by sponsoring a continuing series of seminars, papers and symposia which explore the implications of information warfare in depth.” The aim was to “enable leaders and policymakers from government, industry, and academia to address key issues surrounding information warfare to ensure that the United States retains its edge over any and all potential enemies.”

Despite FACA regulations, federal advisory committees are already heavily influenced, if not [captured, by corporate power](#). So in bypassing FACA, the Pentagon overrode even the loose restrictions of FACA, by permanently excluding any possibility of public engagement.

O’Neill’s claim that there are no reports or recommendations is disingenuous. By his own admission, the secret Pentagon consultations with industry that have taken place through the Highlands Forum since 1994 have been accompanied by regular presentations of academic and policy papers, recordings and notes of meetings, and other forms of documentation that are locked behind a login only accessible by Forum delegates. This violates the spirit, if not the letter, of FACA—in a way that is patently intended to circumvent democratic accountability and the rule of law.

The Highlands Forum doesn’t need to produce consensus recommendations. Its purpose is to provide the Pentagon a shadow social networking mechanism to cement lasting relationships with corporate power, and to identify new talent, that can be used to fine-tune information warfare strategies in absolute secrecy.

Total participants in the DoD’s Highlands Forum number over a thousand, although sessions largely consist of small closed workshop style gatherings of maximum 25–30 people, bringing together experts and officials depending on the subject. Delegates have included senior personnel from SAIC and Booz Allen Hamilton, RAND Corp., Cisco, Human Genome Sciences, eBay, PayPal, IBM, Google, Microsoft, AT&T, the BBC, Disney, General Electric, Enron, among innumerable others; Democrat and Republican members of Congress and the Senate; senior executives from the US energy industry such as Daniel Yergin of IHS Cambridge Energy Research Associates; and key people involved in both sides of presidential campaigns.

Other participants have included senior media professionals: David Ignatius, associate editor of the *Washington Post* and at the time the executive editor of the *International Herald Tribune*; Thomas Friedman, long-time *New York Times* columnist; Arnaud de Borchgrave, an editor at *Washington Times* and *United Press International*; Steven Levy, a former *Newsweek* editor, senior writer for *Wired* and now chief tech editor at *Medium*; Lawrence Wright, staff writer at the *New Yorker*; Noah Shachtman, executive editor at the *Daily Beast*; Rebecca McKinnon, co-founder of *Global Voices Online*; Nik Gowing of the BBC; and John Markoff of the *New York Times*.

Due to its current sponsorship by the OSD’s undersecretary of defense for intelligence, the Forum has inside access to the chiefs of the main US surveillance and reconnaissance agencies, as well as the directors and their assistants at DoD research agencies, from DARPA, to the ONA. This also means that the Forum is deeply plugged into the Pentagon’s policy research task forces.

Google: seeded by the Pentagon

In 1994—the same year the Highlands Forum was founded under the stewardship of the Office of the Secretary of Defense, the ONA, and DARPA—two young PhD students at Stanford University, Sergey Brin and Larry Page, made their breakthrough on the first automated web crawling and page ranking application. That

application remains the core component of what eventually became Google's search service. Brin and Page had performed their work with funding from the [Digital Library Initiative](#) (DLI), a multi-agency programme of the National Science Foundation (NSF), NASA and DARPA.

But that's just one side of the story.

Throughout the development of the search engine, Sergey Brin reported regularly and directly to two people who were not Stanford faculty at all: Dr. Bhavani Thuraisingham and Dr. Rick Steinheiser. Both were representatives of a sensitive US intelligence community research programme on information security and data-mining.

Thuraisingham is currently the Louis A. Beecherl distinguished professor and executive director of the Cyber Security Research Institute at the University of Texas, Dallas, and a sought-after expert on data-mining, data management and information security issues. But in the 1990s, she worked for the MITRE Corp., a leading US defense contractor, where she managed the Massive Digital Data Systems initiative, a project sponsored by the NSA, CIA, and the Director of Central Intelligence, to foster innovative research in information technology.

"We funded Stanford University through the computer scientist Jeffrey Ullman, who had several promising graduate students working on many exciting areas," Prof. Thuraisingham told me. "One of them was Sergey Brin, the founder of Google. The intelligence community's MDDS program essentially provided Brin seed-funding, which was supplemented by many other sources, including the private sector."

This sort of funding is certainly not unusual, and Sergey Brin's being able to receive it by being a graduate student at Stanford appears to have been incidental. The Pentagon was all over computer science research at this time. But it illustrates how deeply entrenched the culture of Silicon Valley is in the values of the US intelligence community.

In an extraordinary [document](#) hosted by the website of the University of Texas, Thuraisingham recounts that from 1993 to 1999, "the Intelligence Community [IC] started a program called Massive Digital Data Systems (MDDS) that I was managing for the Intelligence Community when I was at the MITRE Corporation." The program funded 15 research efforts at various universities, including Stanford. Its goal was developing "data management technologies to manage several terabytes to petabytes of data," including for "query processing, transaction management, metadata management, storage management, and data integration."

At the time, Thuraisingham was chief scientist for data and information management at MITRE, where she led team research and development efforts for the NSA, CIA, US Air Force Research Laboratory, as well as the US Navy's Space and Naval Warfare Systems Command (SPAWAR) and Communications and Electronic Command (CECOM). She went on to teach courses for US government officials and defense contractors on data-mining in counter-terrorism.

In her University of Texas article, she attaches the copy of an abstract of the US intelligence community's MDDS program that had been presented to the "Annual Intelligence Community Symposium" in 1995. The abstract reveals that the primary sponsors of the MDDS programme were three agencies: the NSA, the CIA's Office of Research & Development, and the intelligence community's Community Management Staff (CMS) which operates under the Director of Central Intelligence. Administrators of the program, which provided funding of around 3–4 million dollars per year for 3–4 years, were identified as Hal Curran (NSA), Robert Kluttz (CMS), Dr. Claudia Pierce (NSA), Dr. Rick Steinheiser (ORD—standing for the CIA's Office of Research and Development), and Dr. Thuraisingham herself.

Thuraisingham goes on in her article to reiterate that this joint CIA-NSA program partly funded Sergey Brin to develop the core of Google, through a grant to Stanford managed by Brin's supervisor Prof. Jeffrey D. Ullman:

"In fact, the Google founder Mr. Sergey Brin was partly funded by this program while he was a PhD student at Stanford. He together with his advisor Prof. Jeffrey Ullman and my colleague at MITRE, Dr. Chris Clifton [Mitre's chief scientist in IT], developed the Query Flocks System which produced solutions for mining large amounts of data stored in databases. I remember visiting Stanford with Dr. Rick Steinheiser from the Intelligence Community and Mr. Brin would rush in on roller blades, give his presentation and rush out. In fact

the last time we met in September 1998, Mr. Brin demonstrated to us his search engine which became Google soon after."

Brin and Page officially incorporated Google as a company in September 1998, the very month they last reported to Thuraingham and Steinheiser. 'Query Flocks' was also part of Google's patented '[PageRank](#)' search system, which Brin developed at Stanford under the CIA-NSA-MDDS programme, as well as with funding from the NSF, IBM and Hitachi. That year, MITRE's Dr. Chris Clifton, who worked under Thuraingham to develop the 'Query Flocks' system, co-authored a paper with Brin's supervisor, Prof. Ullman, and the CIA's Rick Steinheiser. Titled 'Knowledge Discovery in Text,' the [paper](#) was presented at an academic conference.

"The MDDS funding that supported Brin was significant as far as seed-funding goes, but it was probably outweighed by the other funding streams," said Thuraingham. "The duration of Brin's funding was around two years or so. In that period, I and my colleagues from the MDDS would visit Stanford to see Brin and monitor his progress every three months or so. We didn't supervise exactly, but we did want to check progress, point out potential problems and suggest ideas. In those briefings, Brin did present to us on the query flocks research, and also demonstrated to us versions of the Google search engine."

Brin thus reported to Thuraingham and Steinheiser regularly about his work developing Google.

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UPDATE 2.05PM GMT [2nd Feb 2015]:

Since publication of this article, Prof. Thuraingham has amended her article referenced above. The amended version includes a new modified statement, followed by a copy of the original version of her account of the MDDS. In this amended version, Thuraingham rejects the idea that CIA funded Google, and says instead:

"In fact Prof. Jeffrey Ullman (at Stanford) and my colleague at MITRE Dr. Chris Clifton together with some others developed the Query Flocks System, as part of MDDS, which produced solutions for mining large amounts of data stored in databases. Also, Mr. Sergey Brin, the cofounder of Google, was part of Prof. Ullman's research group at that time. I remember visiting Stanford with Dr. Rick Steinheiser from the Intelligence Community periodically and Mr. Brin would rush in on roller blades, give his presentation and rush out. During our last visit to Stanford in September 1998, Mr. Brin demonstrated to us his search engine which I believe became Google soon after..."

There are also several inaccuracies in Dr. Ahmed's article (dated January 22, 2015). For example, the MDDS program was not a 'sensitive' program as stated by Dr. Ahmed; it was an Unclassified program that funded universities in the US. Furthermore, Sergey Brin never reported to me or to Dr. Rick Steinheiser; he only gave presentations to us during our visits to the Department of Computer Science at Stanford during the 1990s. Also, MDDS never funded Google; it funded Stanford University."

Here, there is no substantive factual difference in Thuraingham's accounts, other than to assert that her statement associating Sergey Brin with the development of 'query flocks' is mistaken. Notably, this acknowledgement is derived not from her own knowledge, but from this very article quoting a comment from a Google spokesperson.

However, the bizarre attempt to disassociate Google from the MDDS program misses the mark. Firstly, the MDDS never funded Google, because during the development of the core components of the Google search engine, there was no company incorporated with that name. The grant was instead provided to Stanford University through Prof. Ullman, through whom some MDDS funding was used to support Brin who was co-developing Google at the time. Secondly, Thuraingham then adds that Brin never "reported" to her or the CIA's Steinheiser, but admits he "gave presentations to us during our visits to the Department of Computer Science at Stanford during the 1990s." It is unclear, though, what the distinction is here between reporting, and delivering a detailed presentation—either way, Thuraingham confirms that she and the CIA had taken a keen interest in Brin's development of Google. Thirdly, Thuraingham describes the MDDS program as "unclassified," but this does not contradict its "sensitive" nature. As someone who has worked for decades as an intelligence contractor and advisor, Thuraingham is surely aware that there are many ways of categorizing intelligence, including 'sensitive but unclassified.' A number of former US intelligence officials I spoke to said that the almost total lack of public information on the CIA and NSA's MDDS initiative suggests that although

the program was not classified, it is likely instead that its contents were considered sensitive, which would explain efforts to minimize transparency about the program and the way it fed back into developing tools for the US intelligence community. Fourthly, and finally, it is important to point out that the MDDS abstract which Thuraisingham includes in her University of Texas document states clearly not only that the Director of Central Intelligence's CMS, CIA and NSA were the overseers of the MDDS initiative, but that the intended customers of the project were "DoD, IC, and other government organizations": the Pentagon, the US intelligence community, and other relevant US government agencies.

In other words, the provision of MDDS funding to Brin through Ullman, under the oversight of Thuraisingham and Steinheiser, was fundamentally because they recognized the potential utility of Brin's work developing Google to the Pentagon, intelligence community, and the federal government at large.

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The MDDS programme is actually referenced in several papers co-authored by Brin and Page while at Stanford, specifically highlighting its role in financially sponsoring Brin in the development of Google. In their 1998 [paper](#) published in the *Bulletin of the IEEE Computer Society Technical Committee on Data Engineering*, they describe the automation of methods to extract information from the web via "Dual Iterative Pattern Relation Extraction," the development of "a global ranking of Web pages called PageRank," and the use of PageRank "to develop a novel search engine called Google." Through an opening footnote, Sergey Brin confirms he was "Partially supported by the Community Management Staff's Massive Digital Data Systems Program, NSF grant IRI-96-31952"—confirming that Brin's work developing Google was indeed partly-funded by the CIA-NSA-MDDS program.

This NSF grant identified alongside the MDDS, whose project report [lists Brin](#) among the students supported (without mentioning the MDDS), was different to the NSF grant to Larry Page that included funding from DARPA and NASA. The project report, authored by Brin's supervisor Prof. Ullman, goes on to say under the section 'Indications of Success' that "there are some new stories of startups based on NSF-supported research." Under 'Project Impact,' the report remarks: "Finally, the google project has also gone commercial as Google.com."

Thuraisingham's account, including her new amended version, therefore demonstrates that the CIA-NSA-MDDS program was not only partly funding Brin throughout his work with Larry Page developing Google, but that senior US intelligence representatives including a CIA official oversaw the evolution of Google in this pre-launch phase, all the way until the company was ready to be officially founded. Google, then, had been enabled with a "significant" amount of seed-funding and oversight from the Pentagon: namely, the CIA, NSA, and DARPA.

The DoD could not be reached for comment.

When I asked Prof. Ullman to confirm whether or not Brin was partly funded under the intelligence community's MDDS program, and whether Ullman was aware that Brin was regularly briefing the CIA's Rick Steinheiser on his progress in developing the Google search engine, Ullman's responses were evasive: "May I know whom you represent and why you are interested in these issues? Who are your 'sources'?" He also denied that Brin played a significant role in developing the 'query flocks' system, although it is clear from Brin's papers that he did draw on that work in co-developing the PageRank system with Page.

When I asked Ullman whether he was denying the US intelligence community's role in supporting Brin during the development of Google, he said: "I am not going to dignify this nonsense with a denial. If you won't explain what your theory is, and what point you are trying to make, I am not going to help you in the slightest."

The [MDDS abstract](#) published online at the University of Texas confirms that the rationale for the CIA-NSA project was to "provide seed money to develop data management technologies which are of high-risk and high-pay-off," including techniques for "querying, browsing, and filtering; transaction processing; access methods and indexing; metadata management and data modelling; and integrating heterogeneous databases; as well as developing appropriate architectures." The ultimate vision of the program was to "provide for the seamless access and fusion of massive amounts of data, information and knowledge in a heterogeneous, real-time environment" for use by the Pentagon, intelligence community and potentially across government.

These revelations corroborate the claims of Robert Steele, former senior CIA officer and a founding civilian deputy director of the Marine Corps Intelligence Activity, whom I interviewed for *The Guardian* last year on open source intelligence. Citing sources at the CIA, Steele had [said](#) in 2006 that Steinheiser, an old colleague of his, was the CIA's main liaison at Google and had arranged early funding for the pioneering IT firm. At the time, *Wired* founder John Batelle managed to get this official [denial](#) from a Google spokesperson in response to Steele's assertions:

"The statements related to Google are completely untrue."

This time round, despite multiple requests and conversations, a Google spokesperson declined to comment.

UPDATE: As of 5.41PM GMT [22nd Jan 2015], Google's director of corporate communication got in touch and asked me to include the following statement:

"Sergey Brin was not part of the Query Flocks Program at Stanford, nor were any of his projects funded by US Intelligence bodies."

This is what I wrote back:

My response to that statement would be as follows: Brin himself in his own paper acknowledges funding from the Community Management Staff of the Massive Digital Data Systems (MDDS) initiative, which was supplied through the NSF. The MDDS was an intelligence community program set up by the CIA and NSA. I also have it on record, as noted in the piece, from Prof. Thuraisingham of University of Texas that she managed the MDDS program on behalf of the US intelligence community, and that her and the CIA's Rick Steinheiser met Brin every three months or so for two years to be briefed on his progress developing Google and PageRank. Whether Brin worked on query flocks or not is neither here nor there.

In that context, you might want to consider the following questions:

- 1) Does Google deny that Brin's work was part-funded by the MDDS via an NSF grant?*
- 2) Does Google deny that Brin reported regularly to Thuraisingham and Steinheiser from around 1996 to 1998 until September that year when he presented the Google search engine to them?*

Total Information Awareness

A call for papers for the MDDS was sent out via [email list](#) on November 3rd 1993 from senior US intelligence official David Charvonia, director of the research and development coordination office of the intelligence community's CMS. The reaction from Tatu Ylonen (celebrated inventor of the widely used secure shell [SSH] data protection protocol) to his colleagues on the email list is telling: "Crypto relevance? Makes you think whether you should protect your data." The email also confirms that defense contractor and Highlands Forum partner, SAIC, was managing the MDDS [submission](#) process, with abstracts to be sent to Jackie Booth of the CIA's Office of Research and Development via a SAIC email address.

By 1997, Thuraisingham reveals, shortly before Google became incorporated and while she was still overseeing the development of its search engine software at Stanford, her thoughts turned to the national security applications of the MDDS program. In the acknowledgements to her book, *Web Data Mining and Applications in Business Intelligence and Counter-Terrorism (2003)*, Thuraisingham writes that she and "Dr. Rick Steinheiser of the CIA, began discussions with Defense Advanced Research Projects Agency on applying data-mining for counter-terrorism," an idea that resulted directly from the MDDS program which partly funded Google. "These discussions eventually developed into the current EELD (Evidence Extraction and Link Detection) program at DARPA."

So the very same senior CIA official and CIA-NSA contractor involved in providing the seed-funding for Google were simultaneously contemplating the role of data-mining for counter-terrorism purposes, and were developing ideas for tools actually advanced by DARPA.

Today, as illustrated by her recent oped in the [New York Times](#), Thuraisingham remains a staunch advocate of data-mining for counter-terrorism purposes, but also insists that these methods must be developed by government in cooperation with civil liberties lawyers and privacy advocates to ensure that robust procedures

are in place to prevent potential abuse. She points out, damningly, that with the quantity of information being collected, there is a high risk of false positives.

In 1993, when the MDDS program was launched and managed by MITRE Corp. on behalf of the US intelligence community, University of Virginia computer scientist Dr. Anita K. Jones—a MITRE trustee—landed the job of DARPA director and head of research and engineering across the Pentagon. She had been on the board of MITRE since 1988. From 1987 to 1993, [Jones](#) simultaneously served on SAIC's board of directors. As the new head of DARPA from 1993 to 1997, she also co-chaired the Pentagon's Highlands Forum during the period of Google's pre-launch development at Stanford under the MDSS.

Thus, when Thuraingham and Steinheiser were talking to DARPA about the counter-terrorism applications of MDDS research, Jones was DARPA director and Highlands Forum co-chair. That year, Jones left DARPA to return to her post at the University of Virginia. The following year, she joined the board of the National Science Foundation, which of course had also just funded Brin and Page, and also returned to the board of SAIC. When she left DoD, Senator Chuck Robb paid Jones the following [tribute](#) : "She brought the technology and operational military communities together to design detailed plans to sustain US dominance on the battlefield into the next century."

Dr. Anita Jones, head of DARPA from 1993–1997, and co-chair of the Pentagon Highlands Forum from 1995–1997, during which officials in charge of the CIA-NSA-MDSS program were funding Google, and in communication with DARPA about data-mining for counterterrorism

On the [board](#) of the National Science Foundation from 1992 to 1998 (including a stint as chairman from 1996) was Richard N. Zare. This was the period in which the NSF sponsored Sergey Brin and Larry Page in association with DARPA. In June 1994, Prof. Zare, a chemist at Stanford, participated with Prof. Jeffrey Ullman (who supervised Sergey Brin's research), on a [panel](#) sponsored by Stanford and the National Research Council discussing the need for scientists to show how their work "ties to national needs." The panel brought together scientists and policymakers, including "Washington insiders."

DARPA's EELD program, inspired by the work of Thuraingham and Steinheiser under Jones' watch, was rapidly adapted and integrated with a suite of tools to conduct comprehensive surveillance under the Bush administration.

According to DARPA official [Ted Senator](#), who led the EELD program for the agency's short-lived Information Awareness Office, EELD was among a range of "promising techniques" being prepared for integration "into the prototype TIA system." TIA stood for Total Information Awareness, and was the main global [electronic eavesdropping and data-mining program](#) deployed by the Bush administration after 9/11. TIA had been set up by Iran-Contra conspirator Admiral John Poindexter, who was appointed in 2002 by Bush to lead DARPA's new Information Awareness Office.

The Xerox Palo Alto Research Center (PARC) was another contractor among 26 companies (also including SAIC) that received million dollar contracts from [DARPA](#) (the specific quantities remained classified) under Poindexter, to push forward the TIA surveillance program in 2002 onwards. The research included "behaviour-based profiling," "automated detection, identification and tracking" of terrorist activity, among other data-analyzing projects. At this time, PARC's director and chief scientist was John Seely Brown. Both Brown and Poindexter were Pentagon Highlands Forum participants—Brown on a regular basis until recently.

TIA was purportedly shut down in 2003 due to public opposition after the program was exposed in the media, but the following year Poindexter participated in a Pentagon Highlands Group session in Singapore, alongside defense and security officials from around the world. Meanwhile, Ted Senator continued to manage the EELD program among other data-mining and analysis projects at DARPA until 2006, when he left to become a vice president at SAIC. He is now a SAIC/Leidos technical fellow.

Google, DARPA and the money trail

Long before the appearance of Sergey Brin and Larry Page, Stanford University's computer science department had a close working relationship with US military intelligence. A [letter](#) dated November 5th 1984 from the office of renowned artificial intelligence (AI) expert, Prof Edward Feigenbaum, addressed to Rick Steinheiser, gives the latter directions to Stanford's Heuristic Programming Project, addressing Steinheiser as a member

of the "AI Steering Committee." A [list](#) of attendees at a contractor conference around that time, sponsored by the Pentagon's Office of Naval Research (ONR), includes Steinheiser as a delegate under the designation "OPNAV Op-115"—which refers to the Office of the Chief of Naval Operations' program on operational readiness, which played a major role in advancing digital systems for the military.

From the 1970s, Prof. Feigenbaum and his colleagues had been running Stanford's Heuristic Programming Project under [contract](#) with DARPA, [continuing](#) through to the 1990s. Feigenbaum alone had received around [over \\$7 million](#) in this period for his work from DARPA, along with other funding from the NSF, NASA, and ONR.

Brin's supervisor at Stanford, Prof. Jeffrey Ullman, was in 1996 part of a joint funding project of DARPA's Intelligent Integration of Information [program](#). That year, Ullman co-chaired DARPA-sponsored meetings on data exchange between multiple systems.

In September 1998, the same month that Sergey Brin briefed US intelligence representatives Steinheiser and Thuraisingham, tech entrepreneurs Andreas Bechtolsheim and David Cheriton invested \$100,000 each in Google. Both investors were connected to DARPA.

As a Stanford PhD student in electrical engineering in the 1980s, Bechtolsheim's pioneering SUN workstation project had been [funded](#) by DARPA and the Stanford computer science department—this research was the foundation of Bechtolsheim's establishment of Sun Microsystems, which he co-founded with William Joy.

As for Bechtolsheim's co-investor in Google, David Cheriton, the latter is a long-time Stanford computer science professor who has an even more entrenched relationship with DARPA. His [bio](#) at the University of Alberta, which in November 2014 awarded him an honorary science doctorate, says that Cheriton's "research has received the support of the US Defense Advanced Research Projects Agency (DARPA) for over 20 years."

In the meantime, Bechtolsheim left Sun Microsystems in 1995, co-founding Granite Systems with his fellow Google investor Cheriton as a partner. They sold Granite to Cisco Systems in 1996, retaining significant ownership of Granite, and becoming senior Cisco executives.

An email obtained from the Enron Corpus (a database of 600,000 emails acquired by the Federal Energy Regulatory Commission and later released to the public) from Richard O'Neill, inviting Enron executives to participate in the Highlands Forum, shows that Cisco and Granite executives are intimately connected to the Pentagon. The email reveals that in May 2000, Bechtolsheim's partner and Sun Microsystems co-founder, William Joy—who was then chief scientist and corporate executive officer there—had attended the Forum to discuss nanotechnology and molecular computing.

In 1999, Joy had also co-chaired the President's Information Technology Advisory Committee, overseeing a report acknowledging that DARPA had:

"... revised its priorities in the 90's so that all information technology funding was judged in terms of its benefit to the warfighter."

Throughout the 1990s, then, DARPA's funding to Stanford, including Google, was explicitly about developing technologies that could augment the Pentagon's military intelligence operations in war theatres.

The Joy report recommended more federal government funding from the Pentagon, NASA, and other agencies to the IT sector. Greg Papadopoulos, another of Bechtolsheim's colleagues as then Sun Microsystems chief technology officer, also attended a Pentagon Highlands' Forum meeting in September 2000.

In November, the Pentagon Highlands Forum hosted Sue Bostrom, who was vice president for the internet at Cisco, sitting on the company's board alongside Google co-investors Bechtolsheim and Cheriton. The Forum also hosted Lawrence Zuriff, then a managing partner of Granite, which Bechtolsheim and Cheriton had sold to Cisco. Zuriff had previously been an SAIC contractor from 1993 to 1994, working with the Pentagon on national security issues, specifically for Marshall's Office of Net Assessment. In 1994, both the SAIC and the ONA were, of course, involved in co-establishing the Pentagon Highlands Forum. Among Zuriff's output during his SAIC tenure was a paper titled '*Understanding Information War*', delivered at a SAIC-sponsored US Army Roundtable on the Revolution in Military Affairs.

After Google's incorporation, the company received \$25 million in equity funding in 1999 led by Sequoia Capital and Kleiner Perkins Caufield & Byers. According to [Homeland Security Today](#), "A number of Sequoia-bankrolled start-ups have contracted with the Department of Defense, especially after 9/11 when Sequoia's Mark Kvamme met with Defense Secretary Donald Rumsfeld to discuss the application of emerging technologies to warfighting and intelligence collection." Similarly, Kleiner Perkins had developed "a close relationship" with In-Q-Tel, the CIA venture capitalist firm that funds start-ups "to advance 'priority' technologies of value" to the intelligence community.

John Doerr, who led the Kleiner Perkins investment in Google obtaining a board position, was a major early investor in Bechtolsheim's Sun Microsystems at its launch. He and his wife Anne are the main funders behind Rice University's Center for Engineering Leadership (RCEL), which in 2009 [received](#) \$16 million from DARPA for its platform-aware-compilation-environment (PACE) ubiquitous computing R&D program. Doerr also has a close relationship with the Obama administration, which he advised shortly after it took power to [ramp up](#) Pentagon funding to the tech industry. In 2013, at the Fortune Brainstorm TECH [conference](#), Doerr applauded "how the DoD's DARPA funded GPS, CAD, most of the major computer science departments, and of course, the Internet."

From inception, in other words, Google was incubated, nurtured and financed by interests that were directly affiliated or closely aligned with the US military intelligence community: many of whom were embedded in the Pentagon Highlands Forum.

Google captures the Pentagon

In 2003, Google began customizing its search engine under [special contract](#) with the CIA for its Intelink Management Office, "overseeing top-secret, secret and sensitive but unclassified intranets for CIA and other IC agencies," according to *Homeland Security Today*. That year, CIA funding was also being "quietly" funneled through the National Science Foundation to projects that might help create "new capabilities to combat terrorism through advanced technology."

The following year, Google bought the firm [Keyhole](#), which had originally been funded by In-Q-Tel. Using Keyhole, Google began developing the advanced satellite mapping software behind Google Earth. Former DARPA director and Highlands Forum co-chair Anita Jones had been on the [board](#) of In-Q-Tel at this time, and remains so today.

Then in November 2005, In-Q-Tel issued notices to sell \$2.2 million of Google stocks. Google's relationship with US intelligence was further brought to light when an [IT contractor](#) told a closed Washington DC conference of intelligence professionals on a not-for-attribution basis that at least one US intelligence agency was working to "leverage Google's [user] data monitoring" capability as part of an effort to acquire data of "national security intelligence interest."

A [photo](#) on Flickr dated March 2007 reveals that Google research director and AI expert Peter Norvig attended a Pentagon Highlands Forum meeting that year in Carmel, California. Norvig's intimate connection to the Forum as of that year is also corroborated by his role in [guest editing](#) the 2007 Forum reading list.

The photo below shows Norvig in conversation with Lewis Shepherd, who at that time was senior technology officer at the Defense Intelligence Agency, [responsible for](#) investigating, approving, and architecting "all new hardware/software systems and acquisitions for the Global Defense Intelligence IT Enterprise," including "big data technologies." Shepherd now works at Microsoft. Norvig was a computer research scientist at Stanford University in 1991 before joining Bechtolsheim's Sun Microsystems as senior scientist until 1994, and going on to head up NASA's computer science division.

Lewis Shepherd (left), then a senior technology officer at the Pentagon's Defense Intelligence Agency, talking to Peter Norvig (right), renowned expert in artificial intelligence expert and director of research at Google. This photo is from a Highlands Forum meeting in 2007.

Norvig shows up on O'Neill's [Google Plus profile](#) as one of his close connections. Scoping the rest of O'Neill's Google Plus connections illustrates that he is directly connected not just to a wide range of Google executives, but also to some of the biggest names in the US tech community.

Those connections include Michele Weslander Quaid, an ex-CIA contractor and former senior Pentagon intelligence official who is now Google's chief technology officer where she is developing [programs](#) to "best fit government agencies' needs"; Elizabeth Churchill, Google director of user experience; James Kuffner, a humanoid robotics expert who now heads up Google's robotics division and who introduced the term 'cloud robotics'; Mark Drapeau, director of innovation engagement for Microsoft's public sector business; Lili Cheng, general manager of Microsoft's Future Social Experiences (FUSE) Labs; Jon Udell, Microsoft 'evangelist'; Cory Ondrejka, vice president of engineering at Facebook; to name just a few.

In 2010, Google signed a multi-billion dollar [no-bid contract](#) with the NSA's sister agency, the National Geospatial-Intelligence Agency (NGA). The contract was to use Google Earth for visualization services for the NGA. Google had developed the software behind Google Earth by purchasing Keyhole from the CIA venture firm In-Q-Tel.

Then a year after, in 2011, another of O'Neill's Google Plus connections, Michele Quaid—who had served in executive positions at the NGA, National Reconnaissance Office and the Office of the Director of National Intelligence—left her government role to become Google 'innovation evangelist' and the point-person for seeking government contracts. Quaid's last role before her move to Google was as a senior representative of the Director of National Intelligence to the Intelligence, Surveillance, and Reconnaissance Task Force, and a senior advisor to the undersecretary of defense for intelligence's director of Joint and Coalition Warfighter Support (J&CWS). Both roles involved information operations at their core. Before her Google move, in other words, Quaid worked closely with the Office of the Undersecretary of Defense for Intelligence, to which the Pentagon's Highlands Forum is subordinate. Quaid has herself attended the Forum, though precisely when and how often I could not confirm.

In March 2012, then DARPA director [Regina Dugan](#)—who in that capacity was also co-chair of the Pentagon Highlands Forum—followed her colleague Quaid into Google to lead the company's new Advanced Technology and Projects Group. During her Pentagon tenure, Dugan led on strategic cyber security and social media, among other initiatives. She was responsible for focusing "an increasing portion" of DARPA's work "on the investigation of offensive capabilities to address military-specific needs," securing \$500 million of government funding for DARPA [cyber research](#) from 2012 to 2017.

Regina Dugan, former head of DARPA and Highlands Forum co-chair, now a senior Google executive—trying her best to look the part

By November 2014, Google's chief AI and robotics expert James Kuffner was a delegate alongside O'Neill at the Highlands [Island Forum 2014](#) in Singapore, to explore 'Advancement in Robotics and Artificial Intelligence: Implications for Society, Security and Conflict.' The event included 26 [delegates](#) from Austria, Israel, Japan, Singapore, Sweden, Britain and the US, from both industry and government. Kuffner's association with the Pentagon, however, began much earlier. In 1997, Kuffner was a researcher during his Stanford PhD for a [Pentagon-funded](#) project on networked autonomous mobile robots, sponsored by DARPA and the US Navy.

Rumsfeld and persistent surveillance

In sum, many of Google's most senior executives are affiliated with the Pentagon Highlands Forum, which throughout the period of Google's growth over the last decade, has surfaced repeatedly as a connecting and convening force. The US intelligence community's incubation of Google from inception occurred through a combination of direct sponsorship and informal networks of financial influence, themselves closely aligned with Pentagon interests.

The Highlands Forum itself has used the informal relationship building of such private networks to bring together defense and industry sectors, enabling the fusion of corporate and military interests in expanding the covert surveillance apparatus in the name of national security. The power wielded by the shadow network represented in the Forum can, however, be gauged most clearly from its impact during the Bush administration, when it played a direct role in literally writing the strategies and doctrines behind US efforts to achieve 'information superiority.'

In December 2001, O'Neill [confirmed](#) that strategic discussions at the Highlands Forum were feeding directly into Andrew Marshall's DoD-wide strategic review ordered by President Bush and Donald Rumsfeld to upgrade

the military, including the Quadrennial Defense Review—and that some of the earliest Forum meetings “resulted in the writing of a group of DoD policies, strategies, and doctrine for the services on information warfare.” That process of “writing” the Pentagon’s information warfare policies “was done in conjunction with people who understood the environment differently—not only US citizens, but also foreign citizens, and people who were developing corporate IT.”

The Pentagon’s post-9/11 information warfare doctrines were, then, written not just by national security officials from the US and abroad: but also by powerful corporate entities in the defense and technology sectors.

In April that year, Gen. James McCarthy had completed his defense transformation [review](#) ordered by Rumsfeld. His report repeatedly highlighted mass surveillance as integral to DoD transformation. As for Marshall, his follow-up [report](#) for Rumsfeld was going to develop a blueprint determining the Pentagon’s future in the ‘information age.’

O’Neill also affirmed that to develop information warfare doctrine, the Forum had held [extensive discussions](#) on electronic surveillance and “what constitutes an act of war in an information environment.” Papers feeding into US defense policy written through the late 1990s by RAND consultants John Arquilla and David Rondfeldt, both longstanding Highlands Forum members, were produced “as a result of those meetings,” exploring policy dilemmas on how far to take the goal of ‘Information Superiority.’ “One of the things that was shocking to the American public was that we weren’t pilfering Milosevic’s accounts electronically when we in fact could,” commented O’Neill.

Although the R&D process around the Pentagon transformation strategy remains classified, a hint at the DoD discussions going on in this period can be gleaned from a 2005 US Army School of Advanced Military Studies research monograph in the DoD journal, [Military Review](#), authored by an active Army intelligence officer.

“The idea of Persistent Surveillance as a transformational capability has circulated within the national Intelligence Community (IC) and the Department of Defense (DoD) for at least three years,” the paper said, referencing the Rumsfeld-commissioned transformation study.

The Army paper went on to review a range of high-level official military documents, including one from the Office of the Chairman of the Joint Chiefs of Staff, showing that “Persistent Surveillance” was a fundamental theme of the information-centric vision for defense policy across the Pentagon.

We now know that just two months before O’Neill’s address at Harvard in 2001, under the TIA program, President Bush had [secretly authorized](#) the NSA’s domestic surveillance of Americans without court-approved warrants, in what appears to have been an illegal modification of the ThinThread data-mining project—as later [exposed](#) by NSA whistleblowers William Binney and Thomas Drake.

The surveillance-startup nexus

From here on, Highlands Forum partner SAIC played a key role in the NSA roll out from inception. Shortly after 9/11, Brian Sharkey, chief technology officer of SAIC’s ELS3 Sector (focusing on IT systems for emergency responders), teamed up with John Poindexter to propose the TIA surveillance program. SAIC’s [Sharkey](#) had previously been deputy director of the [Information Systems Office](#) at DARPA through the 1990s.

Meanwhile, around the same time, SAIC vice president for corporate development, [Samuel Visner](#), became head of the NSA’s signals-intelligence programs. SAIC was then among a consortium receiving a \$280 million contract to develop one of the NSA’s secret eavesdropping systems. By 2003, Visner returned to SAIC to become director of strategic planning and business development of the firm’s intelligence group.

That year, the NSA consolidated its [TIA](#) programme of warrantless electronic surveillance, to keep “track of individuals” and understand “how they fit into models” through risk profiles of American citizens and foreigners. TIA was doing this by integrating databases on finance, travel, medical, educational and other records into a “virtual, centralized grand database.”

This was also the year that the Bush administration drew up its notorious [Information Operations Roadmap](#). Describing the internet as a “vulnerable weapons system,” Rumsfeld’s IO roadmap had advocated that Pentagon strategy “should be based on the premise that the Department [of Defense] will ‘fight the net’ as it

would an enemy weapons system." The US should seek "maximum control" of the "full spectrum of globally emerging communications systems, sensors, and weapons systems," advocated the document.

The following year, John Poindexter, who had proposed and run the TIA surveillance program via his post at DARPA, was in Singapore participating in the Highlands 2004 [Island Forum](#). Other delegates included then Highlands Forum co-chair and Pentagon CIO Linton Wells; president of notorious Pentagon information warfare contractor, John Rendon; Karl Lowe, director of the Joint Forces Command (JFCOM) Joint Advanced Warfighting Division; Air Vice Marshall Stephen Dalton, capability manager for information superiority at the UK Ministry of Defense; Lt. Gen. Johan Kihl, Swedish army Supreme Commander HQ's chief of staff; among others.

As of 2006, SAIC had been awarded a multi-million dollar NSA contract to develop a big data-mining project called [Executelocus](#), despite the colossal \$1 billion failure of its preceding contract, known as 'Trailblazer.' Core components of TIA were being "quietly continued" under "new code names," according to *Foreign Policy's* [Shane Harris](#), but had been concealed "behind the veil of the classified intelligence budget." The new surveillance program had by then been fully transitioned from DARPA's jurisdiction to the NSA.

This was also the year of yet another Singapore Island Forum led by Richard O'Neill on behalf of the Pentagon, which included senior defense and industry officials from the US, UK, Australia, France, India and Israel. Participants also included senior technologists from Microsoft, IBM, as well as [Gilman Louie](#), partner at technology investment firm Alsop Louie Partners.

Gilman Louie is a former CEO of In-Q-Tel—the CIA firm investing especially in start-ups developing data mining technology. In-Q-Tel was founded in 1999 by the CIA's Directorate of Science and Technology, under which the Office of Research and Development (ORD)—which was part of the Google-funding MDSS program—had operated. The idea was to essentially replace the functions once performed by the ORD, by mobilizing the private sector to develop information technology solutions for the entire intelligence community.

Louie had led In-Q-Tel from 1999 until January 2006—including when Google bought Keyhole, the In-Q-Tel-funded satellite mapping software. Among his colleagues on In-Q-Tel's board in this period were former DARPA director and Highlands Forum co-chair Anita Jones (who is still there), as well as founding board member [William Perry](#): the man who had appointed O'Neill to set-up the Highlands Forum in the first place. Joining Perry as a founding In-Q-Tel board member was John Seely Brown, then chief scientist at Xerox Corp and director of its Palo Alto Research Center (PARC) from 1990 to 2002, who is also a long-time senior Highlands Forum member since inception.

In addition to the CIA, In-Q-Tel has also been backed by the FBI, NGA, and Defense Intelligence Agency, among other agencies. More than 60 percent of In-Q-Tel's investments under Louie's watch were "in companies that specialize in automatically collecting, sifting through and understanding oceans of information," according to Medill School of Journalism's [News21](#), which also noted that Louie himself had acknowledged it was not clear "whether privacy and civil liberties will be protected" by government's use of these technologies "for national security."

The [transcript](#) of Richard O'Neill's late 2001 seminar at Harvard shows that the Pentagon Highlands Forum had first engaged Gilman Louie long before the Island Forum, in fact, shortly after 9/11 to explore "what's going on with In-Q-Tel." That Forum session focused on how to "take advantage of the speed of the commercial market that wasn't present inside the science and technology community of Washington" and to understand "the implications for the DoD in terms of the strategic review, the QDR, Hill action, and the stakeholders." Participants of the meeting included "senior military people," combatant commanders, "several of the senior flag officers," some "defense industry people" and various US representatives including Republican Congressman William Mac Thornberry and Democrat Senator Joseph Lieberman.

Both Thornberry and Lieberman are staunch supporters of NSA surveillance, and have consistently acted to rally support for pro-war, pro-surveillance legislation. O'Neill's comments indicate that the Forum's role is not just to enable corporate contractors to write Pentagon policy, but to rally political support for government policies adopted through the Forum's informal brand of shadow networking.

Repeatedly, O'Neill told his Harvard audience that his job as Forum president was to scope case studies from real companies across the private sector, like eBay and Human Genome Sciences, to figure out the basis of US 'Information Superiority'—"how to dominate" the information market—and leverage this for "what the president and the secretary of defense wanted to do with regard to transformation of the DoD and the strategic review."

By 2007, a year after the Island Forum meeting that included Gilman Louie, Facebook received its second round of \$12.7 million worth of funding from Accel Partners. Accel was headed up by James Breyer, former chair of the National Venture Capital Association (NVCA) where [Louie also served](#) on the board while still CEO of In-Q-Tel. Both Louie and Breyer had previously served together on the board of [BBN Technologies](#)—which had recruited ex-DARPA chief and In-Q-Tel trustee Anita Jones.

Facebook's 2008 round of funding was led by Greylock Venture Capital, which invested \$27.5 million. The firm's senior partners include Howard Cox, another former NVCA chair who also [sits on the board](#) of In-Q-Tel. Apart from Breyer and Zuckerberg, Facebook's only other board member is Peter Thiel, co-founder of defense contractor Palantir which provides all sorts of data-mining and visualization technologies to US government, military and intelligence agencies, including the [NSA and FBI](#), and which itself was nurtured to financial viability by Highlands Forum members.

Palantir co-founders Thiel and Alex Karp met with John Poindexter in 2004, according to [Wired](#), the same year Poindexter had attended the Highlands Island Forum in Singapore. They met at the home of Richard Perle, another Andrew Marshall acolyte. Poindexter helped Palantir open doors, and to assemble "a legion of advocates from the most influential strata of government." Thiel had also met with Gilman Louie of In-Q-Tel, securing the backing of the CIA in this early phase.

And so we come full circle. Data-mining programs like ExecuteLocus and projects linked to it, which were developed throughout this period, apparently laid the groundwork for the new NSA programmes eventually disclosed by Edward Snowden. By 2008, as Facebook received its next funding round from Greylock Venture Capital, documents and whistleblower testimony confirmed that the NSA was effectively [resurrecting the TIA project](#) with a focus on Internet data-mining via comprehensive monitoring of e-mail, text messages, and Web browsing.

We also now know thanks to Snowden that the NSA's [XKeyscore](#) 'Digital Network Intelligence' exploitation system was designed to allow analysts to search not just Internet databases like emails, online chats and browsing history, but also telephone services, mobile phone audio, financial transactions and global air transport communications—essentially the entire global telecommunications grid. Highlands Forum partner SAIC played a key role, among other contractors, in [producing](#) and [administering](#) the NSA's XKeyscore, and was recently implicated in [NSA hacking](#) of the privacy network Tor.

The Pentagon Highlands Forum was therefore intimately involved in all this as a convening network—but also quite directly. Confirming his pivotal role in the expansion of the US-led global surveillance apparatus, then Forum co-chair, Pentagon CIO Linton Wells, told [FedTech magazine](#) in 2009 that he had overseen the NSA's roll out of "an impressive long-term architecture last summer that will provide increasingly sophisticated security until 2015 or so."

The Goldman Sachs connection

When I asked Wells about the Forum's role in influencing US mass surveillance, he responded only to say he would prefer not to comment and that he no longer leads the group.

As Wells is no longer in government, this is to be expected—but he is still connected to Highlands. As of September 2014, after delivering his influential white paper on Pentagon transformation, he joined the Monterey Institute for International Studies (MIIS) Cyber Security Initiative (CySec) as a distinguished senior fellow.

Sadly, this was not a form of trying to keep busy in retirement. Wells' move underscored that the Pentagon's conception of information warfare is not just about surveillance, but about the exploitation of surveillance to influence both government and public opinion.

The MIIS CySec initiative is now [formally partnered](#) with the Pentagon Highlands Forum through a [Memorandum of Understanding](#) signed with MIIS provost [Dr Amy Sands](#), who sits on the Secretary of State's International Security Advisory Board. The MIIS CySec website states that the MoU signed with Richard O'Neill:

"... paves the way for future joint MIIS CySec-Highlands Group sessions that will explore the impact of technology on security, peace and information engagement. For nearly 20 years the Highlands Group has engaged private sector and government leaders, including the Director of National Intelligence, DARPA, Office of the Secretary of Defense, Office of the Secretary of Homeland Security and the Singaporean Minister of Defence, in creative conversations to frame policy and technology research areas."

Who is the financial benefactor of the new Pentagon Highlands-partnered MIIS CySec initiative? According to the MIIS CySec [site](#), the initiative was launched "through a generous donation of seed funding from George Lee." George C. Lee is a senior partner at Goldman Sachs, where he is chief information officer of the investment banking division, and chairman of the Global Technology, Media and Telecom (TMT) Group.

But here's the kicker. In 2011, it was Lee who engineered Facebook's \$50 billion [valuation](#), and previously handled deals for other Highlands-connected tech giants like Google, Microsoft and eBay. Lee's then boss, Stephen Friedman, a former CEO and chairman of Goldman Sachs, and later senior partner on the firm's executive board, was also founding [board member](#) of In-Q-Tel alongside Highlands Forum overlord William Perry and Forum member John Seely Brown.

In 2001, Bush appointed Stephen Friedman to the President's Intelligence Advisory Board, and then to chair that board from 2005 to 2009. Friedman previously served alongside Paul Wolfowitz and others on the 1995–6 presidential commission of inquiry into US intelligence capabilities, and in 1996 on the [Jeremiah Panel](#) that produced a report to the Director of the National Reconnaissance Office (NRO)—one of the surveillance agencies plugged into the Highlands Forum. Friedman was on the Jeremiah Panel with Martin Faga, then senior vice president and general manager of MITRE Corp's Center for Integrated Intelligence Systems—where Thuraisingham, who managed the CIA-NSA-MDDS program that inspired DARPA counter-terrorist data-mining, was also a lead engineer.

In the footnotes to a chapter for the book, *Cyberspace and National Security* (Georgetown University Press), SAIC/Leidos executive Jeff Cooper reveals that another Goldman Sachs senior partner Philip J. Venables—who as chief information risk officer leads the firm's programs on information security—delivered a Highlands Forum presentation in 2008 at what was called an 'Enrichment Session on Deterrence.' Cooper's chapter draws on Venables' presentation at Highlands "with permission." In 2010, Venables participated with his then boss Friedman at an [Aspen Institute](#) meeting on the world economy. For the last few years, [Venables](#) has also sat on [various NSA cybersecurity award](#) review boards.

In sum, the investment firm responsible for creating the billion dollar fortunes of the tech sensations of the 21st century, from Google to Facebook, is intimately linked to the US military intelligence community; with Venables, Lee and Friedman either directly connected to the Pentagon Highlands Forum, or to senior members of the Forum.

Fighting terror with terror

The convergence of these powerful financial and military interests around the Highlands Forum, through George Lee's sponsorship of the Forum's new partner, the MIIS Cysec initiative, is revealing in itself.

MIIS Cysec's director, Dr, Itamara Lochard, has long been embedded in Highlands. She regularly "presents current research on non-state groups, governance, technology and conflict to the US Office of the Secretary of Defense Highlands Forum," according to her [Tufts University](#) bio. [She also](#), "regularly advises US combatant commanders" and specializes in studying the use of information technology by "violent and non-violent sub-state groups."

Dr Itamara Lochard is a senior Highlands Forum member and Pentagon information operations expert. She directs the MIIS CyberSec initiative that now supports the Pentagon Highlands Forum with funding from Goldman Sachs partner George Lee, who led the valuations of Facebook and Google.

Dr Lochard maintains a comprehensive [database](#) of 1,700 non-state groups including “insurgents, militias, terrorists, complex criminal organizations, organized gangs, malicious cyber actors and strategic non-violent actors,” to analyze their “organizational patterns, areas of cooperation, strategies and tactics.” Notice, here, the mention of “strategic non-violent actors”—which perhaps covers NGOs and other groups or organizations engaged in social political activity or campaigning, judging by the focus of [other](#) DoD research programs.

As of 2008, Lochard has been an adjunct professor at the US Joint Special Operations University where she teaches a [top secret advanced course](#) in ‘Irregular Warfare’ that she designed for senior US special forces officers. She has previously taught courses on ‘Internal War’ for senior “political-military officers” of various Gulf regimes.

Her views thus disclose much about what the Highlands Forum has been advocating all these years. In 2004, Lochard was co-author of a study for the [US Air Force's Institute for National Security Studies](#) on US strategy toward ‘non-state armed groups.’ The study on the one hand argued that non-state armed groups should be urgently recognized as a ‘tier one security priority,’ and on the other that the proliferation of armed groups “provide strategic opportunities that can be exploited to help achieve policy goals. There have and will be instances where the United States may find collaborating with armed group is in its strategic interests.” But “sophisticated tools” must be developed to differentiate between different groups and understand their dynamics, to determine which groups should be countered, and which could be exploited for US interests. “Armed group profiles can likewise be employed to identify ways in which the United States may assist certain armed groups whose success will be advantageous to US foreign policy objectives.”

In 2008, [Wikileaks](#) published a leaked restricted US Army Special Operations field manual, which demonstrated that the sort of thinking advocated by the likes of Highlands expert Lochard had been explicitly adopted by US special forces.

Lochard’s work thus demonstrates that the Highlands Forum sat at the intersection of advanced Pentagon strategy on surveillance, covert operations and irregular warfare: mobilizing mass surveillance to develop detailed information on violent and non-violent groups perceived as potentially threatening to US interests, or offering opportunities for exploitation, thus feeding directly into US covert operations.

That, ultimately, is why the CIA, the NSA, the Pentagon, spawned Google. So they could run their secret dirty wars with even greater efficiency than ever before.

READ [PART TWO](#)

Dr [Nafeez Ahmed](#) is an investigative journalist, bestselling author and international security scholar. A former Guardian writer, he writes the ‘System Shift’ column for VICE’s Motherboard, and is also a columnist for Middle East Eye. He is the winner of a 2015 Project Censored Award for Outstanding Investigative Journalism for his Guardian work.

Nafeez has also written for The Independent, Sydney Morning Herald, The Age, The Scotsman, Foreign Policy, The Atlantic, Quartz, Prospect, New Statesman, Le Monde diplomatique, New Internationalist, Counterpunch, Truthout, among others. He is the author of [A User’s Guide to the Crisis of Civilization: And How to Save It](#) (2010), and the sci-fi thriller novel [ZERO POINT](#), among other books. His work on the root causes and covert operations linked to international terrorism officially contributed to the 9/11 Commission and the 7/7 Coroner’s Inquest.

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INSURGE INTELLIGENCE, a new crowd-funded investigative journalism project, breaks the exclusive story of how the United States intelligence community funded, nurtured and incubated Google as part of a drive to dominate the world through control of information. Seed-funded by the NSA and CIA, Google was merely the first among a plethora of private sector start-ups co-opted by US intelligence to retain ‘information superiority.’

The origins of this ingenious strategy trace back to a secret Pentagon-sponsored group, that for the last two decades has functioned as a bridge between the US government and elites across the business, industry, finance, corporate, and media sectors. The group has allowed some of the most powerful special interests in corporate America to systematically circumvent democratic accountability and the rule of law to influence government policies, as well as public opinion in the US and around the world. The results have been catastrophic: NSA mass surveillance, a permanent state of global war, and a new initiative to transform the US military into Skynet.

READ [PART ONE](#)

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Mass surveillance is about control. It's promulgators may well claim, and even believe, that it is about control for the greater good, a control that is needed to keep a cap on disorder, to be fully vigilant to the next threat. But in a context of rampant political corruption, widening economic inequalities, and escalating resource stress due to climate change and energy volatility, mass surveillance can become a tool of power to merely perpetuate itself, at the public's expense.

A major function of mass surveillance that is often overlooked is that of knowing the adversary to such an extent that they can be manipulated into defeat. The problem is that the adversary is not just terrorists. It's you and me. To this day, the role of information warfare as propaganda has been in full swing, though systematically ignored by much of the media.

Here, *INSURGE INTELLIGENCE* exposes how the Pentagon Highlands Forum's co-optation of tech giants like Google to pursue mass surveillance, has played a key role in secret efforts to manipulate the media as part of an information war against the American government, the American people, and the rest of the world: to justify endless war, and ceaseless military expansionism.

The war machine

In September 2013, the [website of the Monterey Institute for International Studies' Cyber Security Initiative \(MIIS CySec\)](#) posted a final version of a [paper](#) on 'cyber-deterrence' by CIA consultant Jeffrey Cooper, vice president of the US defense contractor SAIC and a [founding member](#) of the Pentagon's Highlands Forum. The paper was presented to then NSA director Gen. Keith Alexander at a Highlands Forum session titled 'Cyber Commons, Engagement and Deterrence' in 2010.

Gen. Keith Alexander (middle), who served as director of the NSA and chief of the Central Security Service from 2005 to 2014, as well as commander of the US Cyber Command from 2010 to 2014, at the 2010 Highlands Forum session on cyber-deterrence

MIIS CySec is formally partnered with the Pentagon's Highlands Forum through an MoU signed between the provost and Forum president Richard O'Neill, while the initiative itself is funded by George C. Lee: the Goldman Sachs executive who led the billion dollar valuations of Facebook, Google, eBay, and other tech companies.

Cooper's eye-opening paper is no longer available at the MIIS site, but a final version of it is available via the logs of a public [national security conference](#) hosted by the American Bar Association. Currently, Cooper is chief innovation officer at SAIC/Leidos, which is among a consortium of defense technology firms including Booz Allen Hamilton and others contracted to develop NSA surveillance capabilities.

The Highlands Forum briefing for the NSA chief was commissioned [under contract](#) by the undersecretary of defense for intelligence, and based on concepts developed at previous Forum meetings. It was presented to

Gen. Alexander at a “closed session” of the Highlands Forum moderated by MIIS Cysec director, Dr. Itamara Lochard, at the Center for Strategic and International Studies (CSIS) in Washington DC.

SAIC/Leidos’ Jeffrey Cooper (middle), a founding member of the Pentagon’s Highlands Forum, listening to Phil Venables (right), senior partner at Goldman Sachs, at the 2010 Forum session on cyber-deterrence at the CSIS

Like Rumsfeld’s IO roadmap, Cooper’s NSA briefing described “digital information systems” as both a “great source of vulnerability” and “powerful tools and weapons” for “national security.” He advocated the need for US cyber intelligence to maximize “in-depth knowledge” of potential and actual adversaries, so they can identify “every potential leverage point” that can be exploited for deterrence or retaliation. “Networked deterrence” requires the US intelligence community to develop “deep understanding and specific knowledge about the particular networks involved and their patterns of linkages, including types and strengths of bonds,” as well as using cognitive and behavioural science to help predict patterns. His paper went on to essentially set out a theoretical architecture for modelling data obtained from surveillance and social media mining on potential “adversaries” and “counterparties.”

A year after this briefing with the NSA chief, Michele Weslander Quaid—another Highlands Forum delegate—joined Google to become chief technology officer, leaving her senior role in the Pentagon advising the undersecretary of defense for intelligence. Two months earlier, the Defense Science Board (DSB) *Task Force on Defense Intelligence* published its [report](#) on *Counterinsurgency (COIN), Intelligence, Surveillance and Reconnaissance (IRS) Operations*. Quaid was among the government intelligence experts who advised and briefed the Defense Science Board Task Force in preparing the report. Another expert who briefed the Task Force was Highlands Forum veteran Linton Wells. The DSB report itself had been commissioned by Bush appointee James Clapper, then undersecretary of defense for intelligence—who had also commissioned Cooper’s Highlands Forum briefing to Gen. Alexander. Clapper is now Obama’s Director of National Intelligence, in which capacity he lied under oath to Congress by claiming in March 2013 that the NSA does not collect any data at all on American citizens.

Michele Quaid’s track record across the US military intelligence community was to transition agencies into using web tools and cloud technology. The imprint of her ideas are evident in key parts of the DSB Task Force report, which described its purpose as being to “influence investment decisions” at the Pentagon “by recommending appropriate intelligence capabilities to assess insurgencies, understand a population in their environment, and support COIN operations.”

The report named 24 countries in South and Southeast Asia, North and West Africa, the Middle East and South America, which would pose “possible COIN challenges” for the US military in coming years. These included Pakistan, Mexico, Yemen, Nigeria, Guatemala, Gaza/West Bank, Egypt, Saudi Arabia, Lebanon, among other “autocratic regimes.” The report argued that “economic crises, climate change, demographic pressures, resource scarcity, or poor governance could cause these states (or others) to fail or become so weak that they become targets for aggressors/insurgents.” From there, the “global information infrastructure” and “social media” can rapidly “amplify the speed, intensity, and momentum of events” with regional implications. “Such areas could become sanctuaries from which to launch attacks on the US homeland, recruit personnel, and finance, train, and supply operations.”

The imperative in this context is to increase the military’s capacity for “left of bang” operations—before the need for a major armed forces commitment—to avoid insurgencies, or pre-empt them while still in incipient phase. The report goes on to conclude that “the Internet and social media are critical sources of social network analysis data in societies that are not only literate, but also connected to the Internet.” This requires “monitoring the blogosphere and other social media across many different cultures and languages” to prepare for “population-centric operations.”

The Pentagon must also increase its capacity for “behavioral modeling and simulation” to “better understand and anticipate the actions of a population” based on “foundation data on populations, human networks, geography, and other economic and social characteristics.” Such “population-centric operations” will also “increasingly” be needed in “nascent resource conflicts, whether based on water-crises, agricultural stress,

environmental stress, or rents” from mineral resources. This must include monitoring “population demographics as an organic part of the natural resource framework.”

Other areas for augmentation are “overhead video surveillance,” “high resolution terrain data,” “cloud computing capability,” “data fusion” for all forms of intelligence in a “consistent spatio-temporal framework for organizing and indexing the data,” developing “social science frameworks” that can “support spatio-temporal encoding and analysis,” “distributing multi-form biometric authentication technologies [“such as fingerprints, retina scans and DNA samples”] to the point of service of the most basic administrative processes” in order to “tie identity to all an individual’s transactions.” In addition, the academy must be brought in to help the Pentagon develop “anthropological, socio-cultural, historical, human geographical, educational, public health, and many other types of social and behavioral science data and information” to develop “a deep understanding of populations.”

A few months after joining Google, Quaid represented the company in August 2011 at the Pentagon’s Defense Information Systems Agency (DISA) Customer and Industry [Forum](#). The forum would provide “the Services, Combatant Commands, Agencies, coalition forces” the “opportunity to directly engage with industry on innovative technologies to enable and ensure capabilities in support of our Warfighters.” Participants in the event have been integral to efforts to create a “defense enterprise information environment,” defined as “an integrated platform which includes the network, computing, environment, services, information assurance, and NetOps capabilities,” enabling warfighters to “connect, identify themselves, discover and share information, and collaborate across the full spectrum of military operations.” Most of the forum panelists were DoD officials, except for just four industry panelists including Google’s Quaid.

DISA officials have attended the Highlands Forum, too—such as [Paul Friedrichs](#), a technical director and chief engineer of DISA’s Office of the Chief Information Assurance Executive.

Knowledge is Power

Given all this it is hardly surprising that in 2012, a few months after Highlands Forum co-chair Regina Dugan left DARPA to join Google as a senior executive, then NSA chief [Gen. Keith Alexander](#) was emailing Google’s founding executive Sergey Brin to discuss information sharing for national security. In those emails, obtained under Freedom of Information by investigative journalist Jason Leopold, Gen. Alexander described Google as a “key member of [the US military’s] Defense Industrial Base,” a position Michele Quaid was apparently consolidating. Brin’s jovial relationship with the former NSA chief now makes perfect sense given that Brin had been in contact with representatives of the CIA and NSA, who partly funded and oversaw his creation of the Google search engine, since the mid-1990s.

In July 2014, Quaid spoke at a US Army panel on the creation of a “rapid acquisition cell” to advance the US Army’s “cyber capabilities” as part of the [Force 2025](#) transformation initiative. She [told](#) Pentagon officials that “many of the Army’s 2025 technology goals can be realized with commercial technology available or in development today,” re-affirming that “industry is ready to partner with the Army in supporting the new paradigm.” Around the same time, most of the media was trumpeting the idea that Google was trying to [distance](#) itself from Pentagon funding, but in reality, Google has switched tactics to independently develop commercial technologies which would have military applications the Pentagon’s transformation goals.

Yet Quaid is hardly the only point-person in Google’s relationship with the US military intelligence community.

One year after Google bought the satellite mapping software Keyhole from CIA venture capital firm In-Q-Tel in 2004, In-Q-Tel’s director of technical assessment Rob Painter—who played a key role in In-Q-Tel’s Keyhole investment in the first place—moved to Google. At In-Q-Tel, Painter’s work focused on identifying, researching and evaluating “new start-up technology firms that were believed to offer tremendous value to the CIA, the National Geospatial-Intelligence Agency, and the Defense Intelligence Agency.” Indeed, the NGA had confirmed that its intelligence obtained via Keyhole was used by the NSA to support US operations in Iraq from 2003 [onwards](#).

A former US Army special operations intelligence officer, Painter’s new job at Google as of July 2005 was federal manager of what Keyhole was to become: Google Earth Enterprise. By 2007, Painter had become Google’s federal chief technologist.

That year, Painter told the *Washington Post* that Google was “in the beginning stages” of selling advanced [secret versions](#) of its products to the US government. “Google has ramped up its sales force in the Washington area in the past year to adapt its technology products to the needs of the military, civilian agencies and the intelligence community,” the *Post* reported. The Pentagon was already using a version of Google Earth developed in partnership with Lockheed Martin to “display information for the military on the ground in Iraq,” including “mapping out displays of key regions of the country” and outlining “Sunni and Shiite neighborhoods in Baghdad, as well as US and Iraqi military bases in the city. Neither Lockheed nor Google would say how the geospatial agency uses the data.” Google aimed to sell the government new “enhanced versions of Google Earth” and “search engines that can be used internally by agencies.”

White House [records](#) leaked in 2010 showed that Google executives had held several meetings with senior US National Security Council officials. Alan Davidson, Google’s government affairs director, had at least three meetings with officials of the National Security Council in 2009, including White House senior director for Russian affairs Mike McFaul and Middle East advisor Daniel Shapiro. It also emerged from a Google patent application that the company had deliberately been collecting ‘payload’ data from private wifi networks that would enable the identification of “geolocations.” In the same year, we now know, Google had signed an agreement with the NSA giving the agency open-ended access to the personal information of its users, and its hardware and software, in the name of cyber security—agreements that Gen. Alexander was busy replicating with hundreds of telecoms CEOs around the country.

Thus, it is not just Google that is a key contributor and foundation of the US military-industrial complex: it is the entire Internet, and the wide range of private sector companies—many nurtured and funded under the mantle of the US intelligence community (or powerful financiers embedded in that community)—which sustain the Internet and the telecoms infrastructure; it is also the myriad of [start-ups](#) selling cutting edge technologies to the CIA’s venture firm In-Q-Tel, where they can then be adapted and advanced for applications across the military intelligence community. Ultimately, the global surveillance apparatus and the classified tools used by agencies like the NSA to administer it, have been almost entirely made by external researchers and private contractors like Google, which operate outside the Pentagon.

This structure, mirrored in the workings of the Pentagon’s Highlands Forum, allows the Pentagon to rapidly capitalize on technological innovations it would otherwise miss, while also keeping the private sector at arms length, at least ostensibly, to avoid uncomfortable questions about what such technology is actually being used for.

But isn’t it obvious, really? The Pentagon is about war, whether overt or covert. By helping build the technological surveillance infrastructure of the NSA, firms like Google are complicit in what the military-industrial complex does best: kill for cash.

As the nature of mass surveillance suggests, its target is not merely terrorists, but by extension, ‘terrorism suspects’ and ‘potential terrorists,’ the upshot being that entire populations—especially political activists—must be targeted by US intelligence surveillance to identify active and future threats, and to be vigilant against hypothetical [populist insurgencies](#) both at home and abroad. Predictive analytics and behavioural profiles play a pivotal role here.

Mass surveillance and data-mining also now has a distinctive [operational purpose](#) in assisting with the lethal execution of special operations, selecting targets for the CIA’s drone strike kill lists via dubious algorithms, for instance, along with providing geospatial and other information for combatant commanders on land, air and sea, among many other functions. A single social media post on Twitter or Facebook is enough to trigger being placed on secret terrorism watch-lists solely due to a vaguely defined hunch or suspicion; and can potentially even land a suspect on a kill list.

The push for indiscriminate, comprehensive mass surveillance by the military-industrial complex—encompassing the Pentagon, intelligence agencies, defense contractors, and supposedly friendly tech giants like Google and Facebook—is therefore not an end in itself, but an instrument of power, whose goal is self-perpetuation. But there is also a self-rationalizing justification for this goal: while being great for the military-industrial complex, it is also, supposedly, great for everyone else.

The ‘long war’

No better illustration of the truly chauvinistic, narcissistic, and self-congratulatory ideology of power at the heart of the military-industrial complex is a book by long-time Highlands Forum delegate, Dr. Thomas Barnett, *The Pentagon's New Map*. Barnett was assistant for strategic futures in the Pentagon's Office of Force Transformation from 2001 to 2003, and had been recommended to Richard O'Neill by his boss Vice Admiral Arthur Cebrowski. Apart from becoming a *New York Times* bestseller, Barnett's book had been read far and wide in the US military, by senior defense officials in Washington and combatant commanders operating on the ground in the Middle East.

Barnett first attended the Pentagon Highlands Forum in 1998, then was invited to deliver a briefing about his work at the Forum on December 7th 2004, which was attended by senior Pentagon officials, energy experts, internet entrepreneurs, and journalists. Barnett received a glowing [review](#) in the *Washington Post* from his Highlands Forum buddy David Ignatius a week later, and an endorsement from another Forum friend, Thomas Friedman, both of which helped massively boost his credibility and readership.

Barnett's vision is neoconservative to the root. He sees the world as divided into essentially [two realms](#): The Core, which consists of advanced countries playing by the rules of economic globalization (the US, Canada, UK, Europe and Japan) along with developing countries committed to getting there (Brazil, Russia, India, China, and some others); and the rest of the world, which is The Gap, a disparate wilderness of dangerous and lawless countries defined fundamentally by being "disconnected" from the wonders of globalization. This includes most of the Middle East and Africa, large swathes of South America, as well as much of Central Asia and Eastern Europe. It is the task of the United States to "shrink The Gap," by spreading the cultural and economic "rule-set" of globalization that characterizes The Core, and by enforcing security worldwide to enable that "rule-set" to spread.

These two functions of US power are captured by Barnett's concepts of "Leviathan" and "System Administrator." The former is about rule-setting to facilitate the spread of capitalist markets, regulated via military and civilian law. The latter is about projecting military force into The Gap in an open-ended global mission to enforce security and engage in nation-building. Not "rebuilding," he is keen to emphasize, but building "new nations."

For Barnett, the Bush administration's 2002 introduction of the Patriot Act at home, with its crushing of habeas corpus, and the National Security Strategy abroad, with its opening up of unilateral, pre-emptive war, represented the beginning of the necessary re-writing of rule-sets in The Core to embark on this noble mission. This is the *only* way for the US to achieve security, writes Barnett, because as long as The Gap exists, it will always be a source of lawless violence and disorder. One paragraph in particular sums up his vision:

"America as global cop creates security. Security creates common rules. Rules attract foreign investment. Investment creates infrastructure. Infrastructure creates access to natural resources. Resources create economic growth. Growth creates stability. Stability creates markets. And once you're a growing, stable part of the global market, you're part of the Core. Mission accomplished."

Much of what Barnett predicted would need to happen to fulfill this vision, despite its neoconservative bent, is still being pursued under Obama. In the near future, Barnett had predicted, US military forces will be dispatched beyond Iraq and Afghanistan to places like Uzbekistan, Djibouti, Azerbaijan, Northwest Africa, Southern Africa and South America.

Barnett's Pentagon briefing was greeted with near universal enthusiasm. The Forum had even purchased copies of his book and had them distributed to all Forum delegates, and in May 2005, Barnett was invited back to participate in an entire Forum themed around his "SysAdmin" concept.

The Highlands Forum has thus played a leading role in defining the Pentagon's entire conceptualization of the 'war on terror.' Irving Wladawsky-Berger, a retired IMB vice president who co-chaired the President's Information Technology Advisory Committee from 1997 to 2001, [described](#) his experience of one 2007 Forum meeting in telling terms:

"Then there is the War on Terror, which DoD has started to refer to as the Long War, a term that I first heard at the Forum. It seems very appropriate to describe the overall conflict in which we now find ourselves. This

is a truly global conflict... the conflicts we are now in have much more of the feel of a battle of civilizations or cultures trying to destroy our very way of life and impose their own."

The problem is that outside this powerful Pentagon-hosted clique, not everyone else agrees. "I'm not convinced that Barnett's cure would be any better than the disease," [wrote](#) Dr. Karen Kwiatowski, a former senior Pentagon analyst in the Near East and South Asia section, who blew the whistle on how her department deliberately manufactured false information in the run-up to the Iraq War. "It would surely cost far more in American liberty, constitutional democracy and blood than it would be worth."

Yet the equation of "shrinking The Gap" with sustaining the national security of The Core leads to a slippery slope. It means that if the US is prevented from playing this leadership role as "global cop," The Gap will widen, The Core will shrink, and the entire global order could unravel. By this logic, the US simply cannot afford government or public opinion to reject the legitimacy of its mission. If it did so, it would allow The Gap to grow out of control, undermining The Core, and potentially destroying it, along with The Core's protector, America. Therefore, "shrinking The Gap" is not just a security imperative: it is such an existential priority, that it must be backed up with information war to demonstrate to the world the legitimacy of the entire project.

Based on O'Neill's principles of information warfare as articulated in his 1989 US Navy brief, the targets of information war are not just populations in The Gap, but domestic populations in The Core, and their governments: including the US government. That secret brief, which according to former senior US intelligence official John Alexander was read by the Pentagon's top leadership, argued that information war must be targeted at: adversaries to convince them of their vulnerability; potential partners around the world so they accept "the cause as just"; and finally, civilian populations and the political leadership so they believe that "the cost" in blood and treasure is worth it.

Barnett's work was plugged by the Pentagon's Highlands Forum because it fit the bill, in providing a compelling 'feel good' ideology for the US military-industrial complex.

But neoconservative ideology, of course, hardly originated with Barnett, himself a relatively small player, even though his work was extremely influential throughout the Pentagon. The regressive thinking of senior officials involved in the Highlands Forum is visible from long before 9/11, which was ceased upon by actors linked to the Forum as a powerful enabling force that legitimized the increasingly aggressive direction of US foreign and intelligence policies.

Yoda and the Soviets

The ideology represented by the Highlands Forum can be gleaned from long before its establishment in 1994, at a time when Andrew 'Yoda' Marshall's ONA was the primary locus of Pentagon activity on future planning.

A widely-held myth promulgated by national security journalists over the years is that the ONA's reputation as the Pentagon's resident oracle machine was down to the uncanny analytical foresight of its director Marshall. Supposedly, he was among the few who made the prescient recognition that the Soviet threat had been overblown by the US intelligence community. He had, the story goes, been a lone, but relentless voice inside the Pentagon, calling on policymakers to re-evaluate their projections of the USSR's military might.

Except the story is not true. The ONA was not about sober threat analysis, but about paranoid threat projection justifying military expansionism. *Foreign Policy's* [Jeffrey Lewis](#) points out that far from offering a voice of reason calling for a more balanced assessment of Soviet military capabilities, Marshall tried to downplay ONA findings that rejected the hype around an imminent Soviet threat. Having commissioned a study concluding that the US had overestimated Soviet aggressiveness, Marshall circulated it with a cover note declaring himself "unpersuaded" by its findings. Lewis charts how Marshall's threat projection mind-set extended to commissioning absurd research supporting staple neocon narratives about the (non-existent) Saddam-al-Qaeda link, and even the notorious report by a RAND consultant calling for re-drawing the map of the Middle East, presented to the Pentagon's Defense Policy Board on the invitation of Richard Perle in 2002.

Investigative journalist [Jason Vest](#) similarly found from Pentagon sources that during the Cold War, Marshall had long hyped the Soviet threat, and played a key role in giving the neoconservative pressure group, the Committee on the Present Danger, access to classified CIA intelligence data to re-write the *National Intelligence Estimate on Soviet Military Intentions*. This was a precursor to the manipulation of intelligence

after 9/11 to justify the invasion and occupation of Iraq. Former ONA staffers confirmed that Marshall had been belligerent about an imminent Soviet threat "until the very end." Ex-CIA sovietologist Melvin Goodman, for instance, recalled that Marshall was also instrumental in pushing for the Afghan mujahideen to be provided with Stinger missiles—a move which made the war even more brutal, encouraging the Russians to use scorched earth tactics.

Enron, the Taliban and Iraq

The post-Cold War period saw the Pentagon's creation of the Highlands Forum in 1994 under the wing of former defense secretary William Perry—a former CIA director and early advocate of neocon ideas like preventive war. Surprisingly, the Forum's dubious role as a government-industry bridge can be clearly discerned in relation to Enron's flirtations with the US government. Just as the Forum had crafted the Pentagon's intensifying policies on mass surveillance, it simultaneously fed directly into the strategic thinking that culminating in the wars in Afghanistan and Iraq.

On November 7th 2000, George W. Bush '[won](#)' the US presidential elections. Enron and its employees had given [over \\$1 million](#) to the Bush campaign in total. That included contributing \$10,500 to Bush's Florida recount committee, and a further \$300,000 for the inaugural celebrations afterwards. Enron also provided [corporate jets](#) to shuttle Republican lawyers around Florida and Washington lobbying on behalf of Bush for the December recount. Federal election documents later showed that since 1989, Enron had made a total of \$5.8 million in campaign donations, 73 percent to Republicans and 27 percent to Democrats—with as many as 15 senior Bush administration officials [owning stock](#) in Enron, including defense secretary Donald Rumsfeld, senior advisor Karl Rove, and army secretary Thomas White.

Yet just one day before that controversial election, Pentagon Highlands Forum founding president Richard O'Neill wrote to Enron CEO, Kenneth Lay, inviting him to give a presentation at the Forum on modernizing the Pentagon and the Army. The email from O'Neill to Lay was released as part of the Enron Corpus, the emails obtained by the Federal Energy Regulatory Commission, but has remained unknown until now.

The email began "On behalf of Assistant Secretary of Defense (C3I) and DoD CIO Arthur Money," and invited Lay "to participate in the Secretary of Defense's Highlands Forum," which O'Neill described as "a cross-disciplinary group of eminent scholars, researchers, CEO's/CIO's/CTO's from industry, and leaders from the media, the arts and the professions, who have met over the past six years to examine areas of emerging interest to all of us." He added that Forum sessions include "seniors from the White House, Defense, and other agencies of government (we limit government participation to about 25%)."

Here, O'Neill reveals that the Pentagon Highlands Forum was, fundamentally, about exploring not just the goals of government, but the interests of participating industry leaders like Enron. The Pentagon, O'Neill went on, wanted Lay to feed into "the search for information/ transformation strategies for the Department of Defense (and government in general)," particularly "from a business perspective (transformation, productivity, competitive advantage)." He offered high praise of Enron as "a remarkable example of transformation in a highly rigid, regulated industry, that has created a new model and new markets."

O'Neill made clear that the Pentagon wanted Enron to play a pivotal role in the DoD's future, not just in the creation of "an operational strategy which has information superiority," but also in relation to the DoD's "enormous global business enterprise which can benefit from many of the best practices and ideas from industry."

"ENRON is of great interest to us," he reaffirmed. "What we learn from you may help the Department of Defense a great deal as it works to build a new strategy. I hope that you have time on your busy schedule to join us for as much of the Highlands Forum as you can attend and speak with the group."

That Highlands Forum meeting was attended by senior White House and US intelligence officials, including CIA deputy director Joan A. Dempsey, who had previously served as assistant defense secretary for intelligence, and in 2003 was appointed by Bush as executive director of the President's Foreign Intelligence Advisory Board, in which capacity she praised extensive information sharing by the NSA and NGA after 9/11. She went on to become executive vice president at [Booz Allen Hamilton](#), a major Pentagon contractor in Iraq

and Afghanistan that, among other things, created the Coalition Provisional Authority's [database](#) to track what we now know were highly [corrupt](#) reconstruction projects in Iraq.

Enron's relationship with the Pentagon had already been in full swing the previous year. Thomas White, then vice chair of Enron energy services, had used his extensive US military connections to secure a prototype deal at Fort Hamilton to privatize the power supply of army bases. Enron was the only bidder for the deal. The following year, after Enron's CEO was invited to the Highlands Forum, White gave his [first speech](#) in June just "two weeks after he became secretary of the Army," where he "vowed to speed up the awarding of such contracts," along with further "rapid privatization" of the Army's energy services. "Potentially, Enron could benefit from the speedup in awarding contracts, as could others seeking the business," observed *USA Today*.

That month, on the authority of defense secretary Donald Rumsfeld—who himself held significant shares in Enron—Bush's Pentagon invited another Enron executive and one of Enron's senior external financial advisors to attend a further secret Highlands Forum session.

An email from Richard O'Neill dated June 22nd, obtained via the Enron Corpus, showed that Steven Kean, then executive vice president and chief of staff of Enron, was due to give another Highlands presentation on Monday 25th. "We are approaching the Secretary of Defense-sponsored Highlands Forum and very much looking forward to your participation," wrote O'Neill, promising Kean that he would be "the centerpiece of discussion. Enron's experience is quite important to us as we seriously consider transformative change in the Department of Defense."

Steven Kean is now president and COO (and incoming CEO) of Kinder Morgan, one of the largest energy companies in North America, and a major supporter of the controversial Keystone XL pipeline project.

Due to attend the same Highlands Forum session with Kean was Richard Foster, then a senior partner at the financial consultancy McKinsey. "I have given copies of Dick Foster's new book, *Creative Destruction*, to the Deputy Secretary of Defense as well as the Assistant Secretary," said O'Neill in his email, "and the Enron case that he outlines makes for important discussion. We intend to hand out copies to the participants at the Forum."

Foster's firm, McKinsey, had provided strategic [financial advice](#) to Enron since the mid-1980s. Joe Skilling, who in February 2001 became Enron CEO while Kenneth Lay moved to chair, had been head of McKinsey's energy consulting business before joining Enron in 1990.

McKinsey and then partner Richard Foster were intimately involved in crafting the core Enron [financial management strategies](#) responsible for the company's rapid, but fraudulent, growth. While McKinsey has always denied being aware of the dodgy accounting that led to Enron's demise, internal company documents showed that Foster had attended an Enron finance committee meeting a month before the Highlands Forum session to discuss the "need for outside private partnerships to help drive the company's explosive growth"—the very investment partnerships responsible for the collapse of Enron.

McKinsey [documents](#) showed that the firm was "fully aware of Enron's extensive use of off-balance-sheet funds." As *The Independent's* economics editor [Ben Chu](#) remarks, "McKinsey fully endorsed the dubious accounting methods," which led to the inflation of Enron's market valuation and "that caused the company to implode in 2001."

Indeed, Foster himself had personally attended [six Enron board meetings](#) from October 2000 to October 2001. That period roughly coincided with Enron's growing influence on the Bush administration's energy policies, and the Pentagon's planning for Afghanistan and Iraq.

But Foster was also a regular attendee at the Pentagon Highlands Forum—his LinkedIn [profile](#) describes him as member of the Forum since 2000, the year he ramped up engagement with Enron. He also delivered a presentation at the inaugural Island Forum in Singapore in 2002.

Enron's involvement in the Cheney Energy Task Force appears to have been linked to the Bush administration's 2001 planning for both the invasions of Afghanistan and Iraq, motivated by control of oil. As noted by Prof. Richard Falk, a former board member of Human Rights Watch and ex-UN investigator, Enron's Kenneth Lay "was the main confidential consultant relied upon by Vice President Dick Cheney during the highly secretive

process of drafting a report outlining a national energy policy, widely regarded as a key element in the US approach to foreign policy generally and the Arab world in particular.”

The intimate secret meetings between senior Enron executives and high-level US government officials via the Pentagon Highlands Forum, from November 2000 to June 2001, played a central role in establishing and cementing the increasingly symbiotic link between Enron and Pentagon planning. The Forum’s role was, as O’Neill has always said, to function as an ideas lab to explore the mutual interests of industry and government.

Enron and Pentagon war planning

In February 2001, when Enron executives including Kenneth Lay began participating concertedly in the [Cheney Energy Task Force](#), a classified National Security Council document instructed NSC staffers to work with the task force in “melding” previously separate issues: “operational policies towards rogue states” and “actions regarding the capture of new and existing oil and gas fields.”

According to Bush’s treasury secretary Paul O’Neill, as quoted by Ron Suskind in *The Price of Loyalty (2004)*, cabinet officials discussed an invasion of Iraq in their first NSC meeting, and had even prepared a map for a post-war occupation marking the carve-up of Iraq’s oil fields. The message at that time from President Bush was that officials must “find a way to do this.”

Cheney Energy Task Force [documents](#) obtained by Judicial Watch under Freedom of Information revealed that by March, with extensive industry input, the task force had prepared maps of Gulf state and especially Iraqi oilfields, pipelines, and refineries, along with a list titled ‘Foreign Suitors for Iraqi Oilfield Contracts.’ By April, a think-tank report commissioned by Cheney, overseen by former secretary of state James Baker, and put together by a committee of energy industry and national security experts, urged the US government “to conduct an immediate policy review toward Iraq including military, energy, economic and political/diplomatic assessments,” to deal with Iraq’s “destabilizing influence” on oil flows to global markets. The report included recommendations from Highlands Forum delegate and Enron chair, [Kenneth Lay](#).

But Cheney’s Energy Task Force was also busily pushing forward plans for Afghanistan involving Enron, that had been in motion under Clinton. Through the late 1990s, Enron was working with California-based US energy company Unocal to develop an [oil and gas pipeline](#) that would tap Caspian basin reserves, and carry oil and gas across Afghanistan, supplying Pakistan, India and potentially other markets. The endeavor had the official blessing of the Clinton administration, and later the Bush administration, which held several meetings with Taliban representatives to negotiate terms for the pipeline deal throughout 2001. The Taliban, whose conquest of Afghanistan had received covert assistance under Clinton, was to receive formal recognition as the legitimate government of Afghanistan in return for permitting the installation of the pipeline. Enron paid \$400 million for a feasibility study for the pipeline, a large portion of which was siphoned off as bribes to Taliban leaders, and even hired CIA agents to help facilitate.

Then in summer 2001, while Enron officials were liaising with senior Pentagon officials at the Highlands Forum, the White House’s National Security Council was running a cross-departmental ‘working group’ led by Rumsfeld and Cheney to help complete an ongoing Enron project in India, a \$3 billion power plant in Dabhol. The plant was slated to receive its energy from the [Trans-Afghan pipeline](#). The NSC’s ‘Dabhol Working Group,’ chaired by Bush’s national security adviser Condoleezza Rice, generated a range of tactics to enhance US government pressure on India to complete the Dabhol plant—pressure that continued all the way to early November. The Dabhol project, and the Trans-Afghan pipeline, was by far Enron’s [most lucrative](#) overseas deal.

Throughout 2001, Enron officials, including Ken Lay, participated in Cheney’s Energy Task Force, along with representatives across the US energy industry. Starting from February, shortly after the Bush administration took office, Enron was involved in about half a dozen of these [Energy Task Force meetings](#). After one of these secret meetings, a draft energy proposal was amended to include a new provision proposing to dramatically boost oil and natural gas production in India in a way that would apply only to Enron’s Dabhol power plant. In other words, ensuring the flow of cheap gas to India via the Trans-Afghan pipeline was now a matter of US ‘national security.’

A month or two after this, the Bush administration [gave](#) the Taliban \$43 million, justified by its crackdown on opium production, despite US-imposed UN sanctions preventing aid to the group for not handing over Osama bin Laden.

Then in June 2001, the [same month](#) that Enron's executive vice president Steve Kean attended the Pentagon Highlands Forum, the company's hopes for the Dabhol project were dashed when the Trans-Afghan pipeline failed to materialize, and as a consequence, construction on the Dabhol power plant was shut down. The failure of the \$3 billion project contributed to Enron's bankruptcy in December. That month, Enron officials met with Bush's commerce secretary, Donald Evans, about the plant, and Cheney lobbied India's main opposition party about the Dhabol project. Ken Lay had also reportedly contacted the Bush administration around this time to inform officials about the firm's financial troubles.

By August, desperate to pull off the deal, US officials [threatened](#) Taliban representatives with war if they refused to accept American terms: namely, to cease fighting and join in a federal alliance with the opposition Northern Alliance; and to give up demands for local consumption of the gas. On the 15th of that month, Enron lobbyist Pat Shortridge told then White House economic advisor Robert McNally that Enron was heading for a financial meltdown that could [cripple](#) the country's energy markets.

The Bush administration must have anticipated the Taliban's rejection of the deal, because they had [planned](#) a war on Afghanistan from as early as July. According to then Pakistani foreign minister Niaz Naik, who had participated in the US-Taliban negotiations, US officials told him they planned to invade Afghanistan in mid-October 2001. No sooner had the war commenced, Bush's ambassador to Pakistan, Wendy Chamberlain, called Pakistani's oil minister Usman Aminuddin to discuss "the proposed Turkmenistan-Afghanistan-Pakistan gas pipeline project," according to the *Frontier Post*, a Pakistani English-language broadsheet. They reportedly agreed that the "project opens up new avenues of multi-dimensional regional cooperation particularly in view of the recent geo-political developments in the region."

Two days before 9/11, Condoleeza Rice received the draft of a formal National Security Presidential Directive that Bush was expected to sign immediately. The directive contained a comprehensive plan to launch a [global war on al-Qaeda](#), including an "imminent" invasion of Afghanistan to topple the Taliban. The directive was approved by the highest levels of the White House and officials of the National Security Council, including of course Rice and Rumsfeld. The same NSC officials were simultaneously running the Dhabol Working Group to secure the Indian power plant deal for Enron's Trans-Afghan pipeline project. The next day, one day before 9/11, the Bush administration [formally agreed](#) on the plan to attack the Taliban.

The Pentagon Highlands Forum's background link with the interests involved in all this, show they were not unique to the Bush administration—which is why, as Obama was preparing to pull troops out of Afghanistan, he re-affirmed his government's [support](#) for the Trans-Afghan pipeline project, and his desire for a US firm to construct it.

The Pentagon's propaganda fixer

Throughout this period, information war played a central role in drumming up public support for war—and the Highlands Forum led the way.

In December 2000, just under a year before 9/11 and shortly after George W. Bush's election victory, key Forum members participated in an [event](#) at the Carnegie Endowment for International Peace to explore "the impact of the information revolution, globalization, and the end of the Cold War on the US foreign policy making process." Rather than proposing "incremental reforms," the meeting was for participants to "build from scratch a new model that is optimized to the specific properties of the new global environment."

Among the [issues](#) flagged up in the meeting was the 'Global Control Revolution': the "distributed" nature of the information revolution was altering "key dynamics of world politics by challenging the primacy of states and inter-state relations." This was "creating new challenges to national security, reducing the ability of leading states to control global policy debates, challenging the efficacy of national economic policies, etc."

In other words, how can the Pentagon find a way to exploit the information revolution to "control global policy debates," particularly on "national economic policies"?

The meeting was co-hosted by Jamie Metz, who at the time served on Bill Clinton's National Security Council, where he had just led the drafting of Clinton's Presidential Decision Directive 68 on International Public Information (IPI), a new multiagency plan to coordinate US public information dissemination abroad. Metz went on to coordinate IPI at the State Department.

The preceding year, a senior Clinton official revealed to the *Washington Times* that Metz's IPI was really aimed at "spinning the American public," and had "emerged out of concern that the US public has refused to back President Clinton's foreign policy." The IPI would plant news stories favorable to US interests via TV, press, radio and other media based abroad, in hopes it would get picked up in American media. The pretext was that "news coverage is distorted at home and they need to fight it at all costs by using resources that are aimed at spinning the news." Metz ran the IPI's overseas propaganda operations for Iraq and Kosovo.

Other participants of the Carnegie meeting in December 2000, included two founding members of the Highlands Forum, Richard O'Neill and SAIC's Jeff Cooper—along with Paul Wolfowitz, another Andrew Marshall [acolyte](#) who was about to join the incoming Bush administration as Rumsfeld's deputy defense secretary. Also present was a figure who soon became particularly notorious in the propaganda around Afghanistan and Iraq War 2003: John W. Rendon, Jr., founding president of [The Rendon Group](#) (TRG) and another longtime Pentagon Highlands Forum member.

John Rendon (right) at the Highlands Forum, accompanied by BBC anchor Nik Gowing (left) and Jeff Jonas, IBM Entity Analytics chief engineer (middle)

TRG is a notorious communications firm that has been a US government contractor for decades. Rendon played a pivotal role in running the State Department's [propaganda campaigns](#) in Iraq and Kosovo under Clinton and Metz. That included receiving a Pentagon grant to run a news website, the Balkans Information Exchange, and a US Agency for International Development (USAID) contract to promote "privatization."

Rendon's central role in helping the Bush administration hype up the non-existent threat of weapons of mass destruction (WMD) to justify a US military invasion is now well-known. As James Bamford famously exposed in his seminal *Rolling Stone* investigation, Rendon played an instrumental role on behalf of the Bush administration in deploying "perception management" to "create the conditions for the removal of Hussein from power" under multi-million dollar CIA and Pentagon contracts.

Among Rendon's activities was the creation of Ahmed Chalabi's Iraqi National Congress (INC) on behalf of the CIA, a group of Iraqi exiles tasked with disseminating propaganda, including much of the false intelligence [about WMD](#). That process had begun concertedly under the administration of George H W. Bush, then rumbled along under Clinton with little fanfare, before escalating after 9/11 under George W. Bush. Rendon thus played a large role in the manufacture of inaccurate and false news stories relating to Iraq under lucrative CIA and Pentagon contracts—and he did so in the period running up to the 2003 invasion as an [advisor](#) to Bush's National Security Council: the same NSC, of course, that planned the invasions of Afghanistan and Iraq, achieved with input from Enron executives who were simultaneously engaging the Pentagon Highlands Forum.

But that is the tip of iceberg. Declassified documents show that the Highlands Forum was intimately involved in the covert processes by which key officials engineered the road to war on Iraq, based on information warfare.

A redacted 2007 [report](#) by the DoD's Inspector General reveals that one of the contractors used extensively by the Pentagon Highlands Forum during and after the Iraq War was none other than The Rendon Group. TRG was contracted by the Pentagon to organize Forum sessions, determine subjects for discussion, as well as to convene and coordinate Forum meetings. The Inspector General investigation had been prompted by accusations raised in Congress about Rendon's role in manipulating information to justify the 2003 invasion and occupation of Iraq. According to the Inspector General report:

"... the Assistant Secretary of Defense for Networks and Information Integration/Chief Information Officer employed TRG to conduct forums that would appeal to a cross-disciplinary group of nationally regarded leaders. The forums were in small groups discussing information and technologies and their effects on science, organizational and business processes, international relations, economics, and national security. TRG also

conducted a research program and interviews to formulate and develop topics for the Highlands Forum focus group. The Office of the Assistant Secretary of Defense for Networks and Information Integration would approve the subjects, and TRG would facilitate the meetings."

TRG, the Pentagon's private propaganda arm, thus played a central role in *literally running* the Pentagon Highlands Forum process that brought together senior government officials with industry executives to generate DoD information warfare strategy.

The Pentagon's internal investigation absolved Rendon of any wrongdoing. But this is not surprising, given the conflict of interest at stake: the Inspector General at the time was Claude M. Kicklighter, a [Bush nominee](#) who had directly overseen the administration's key military operations. In 2003, he was director of the Pentagon's Iraq Transition Team, and the following year he was appointed to the State Department as special advisor on stabilization and security operations in Iraq and Afghanistan.

The surveillance-propaganda nexus

Even more telling, Pentagon documents obtained by Bamford for his *Rolling Stone* story revealed that Rendon had been given access to the NSA's top-secret surveillance data to carry out its work on behalf of the Pentagon. TRG, the DoD documents said, is authorized "to research and analyze information classified up to Top Secret/SCI/SI/TK/G/HCS."

'SCI' means Sensitive Compartmented Information, data classified higher than Top Secret, while 'SI' designates Special Intelligence, that is, highly secret communications intercepted by the NSA. 'TK' refers to Talent/Keyhole, code names for imagery from reconnaissance aircraft and spy satellites, while 'G' stands for Gamma, encompassing communications intercepts from extremely sensitive sources, and 'HCS' means Humint Control System—information from a very sensitive human source. In Bamford's words:

"Taken together, the acronyms indicate that Rendon enjoys access to the most secret information from all three forms of intelligence collection: eavesdropping, imaging satellites and human spies."

So the Pentagon had:

1. contracted Rendon, a propaganda firm;
2. given Rendon access to the intelligence community's most classified information including data from NSA surveillance;
3. tasked Rendon to facilitating the DoD's development of information operations strategy by running the Highlands Forum process;
4. and further, tasked Rendon with overseeing the concrete execution of this strategy developed through the Highlands Forum process, in actual information operations around the world in Iraq, Afghanistan and beyond.

TRG chief executive John Rendon remains closely involved in the Pentagon Highlands Forum, and ongoing DoD information operations in the Muslim world. His November 2014 [biography](#) for the Harvard Kennedy School 'Emerging Leaders' course describes him as "a participant in forward-thinking organizations such as the Highlands Forum," "one of the first thought-leaders to harness the power of emerging technologies in support of real time information management," and an expert on "the impact of emerging information technologies on the way populations think and behave." Rendon's Harvard bio also credits him with designing and executing "strategic communications initiatives and information programs related to operations, Odyssey Dawn (Libya), Unified Protector (Libya), Global War on Terrorism (GWOT), Iraqi Freedom, Enduring Freedom (Afghanistan), Allied Force and Joint Guardian (Kosovo), Desert Shield, Desert Storm (Kuwait), Desert Fox (Iraq) and Just Cause (Panama), among others."

Rendon's [work](#) on perception management and information operations has also "assisted a number of US military interventions" elsewhere, as well as running US information operations in Argentina, Colombia, Haiti, and Zimbabwe—in fact, a total of 99 countries. As a former executive director and national political director of the Democratic Party, John Rendon remains a powerful figure in Washington under the Obama administration.

Pentagon records [show](#) that TRG has received over \$100 million from the DoD since 2000. In 2009, the US government cancelled a 'strategic communications' contract with TRG after revelations it was being used to weed out reporters who might write negative stories about the US military in Afghanistan, and to solely promote journalists supportive of US policy. Yet in 2010, the Obama administration re-contracted Rendon to supply services for "military deception" in Iraq.

Since then, TRG has provided advice to the US Army's Training and Doctrine Command, the Special Operations Command, and is still [contracted](#) to the Office of the Secretary of Defense, the US Army's Communications Electronic Command, as well as providing "communications support" to the Pentagon and US embassies on counter-narcotics operations.

TRG also boasts on its [website](#) that it provides "Irregular Warfare Support," including "operational and planning support" that "assists our government and military clients in developing new approaches to countering and eroding an adversary's power, influence and will." Much of this support has itself been fine-tuned over the last decade or more inside the Pentagon Highlands Forum.

Irregular war and pseudo-terrorism

The Pentagon Highlands Forum's intimate link, via Rendon, to the propaganda operations pursued under Bush and Obama in support of the 'Long War,' demonstrate the integral role of mass surveillance in both irregular warfare and 'strategic communications.'

One of the major proponents of both is [Prof John Arquilla](#) of the Naval Postgraduate School, the renowned US defense analyst credited with developing the concept of 'netwar,' who today openly advocates the need for mass surveillance and big data mining to support [pre-emptive](#) operations to thwart terrorist plots. It so happens that Arquilla is another "founding member" of the Pentagon's Highlands Forum.

Much of his work on the idea of 'networked warfare,' 'networked deterrence,' 'information warfare,' and 'swarming,' largely produced for RAND under Pentagon contract, was incubated by the Forum during its early years and thus became integral to Pentagon strategy. For instance, in Arquilla's 1999 RAND study, *The Emergence of Noopolitik: Toward an American Information Strategy*, he and his co-author David Ronfeldt express their gratitude to Richard O'Neill "for his interest, support and guidance," and to "members of the Highlands Forum" for their advance comments on the study. Most of his RAND work credits the Highlands Forum and O'Neill for their support.

Prof. John Arquilla of the Naval Postgraduate School, and a founding member of the Pentagon Highlands Forum

Arquilla's work was cited in a 2006 National Academy of Sciences study on the future of network science commissioned by the US Army, which found based on his research that: "Advances in computer-based technologies and telecommunications are enabling social networks that facilitate group affiliations, including terrorist networks." The study conflated risks from terror and activist groups: "The implications of this fact for criminal, terror, protest and insurgency networks has been explored by Arquilla and Ronfeldt (2001) and are a common topic of discussion by groups like the Highlands Forum, which perceive that the United States is highly vulnerable to the interruption of critical networks." Arquilla went on to help develop information warfare strategies "for the military campaigns in Kosovo, Afghanistan and Iraq," according to military historian Benjamin Shearer in his biographical dictionary, *Home Front Heroes (2007)*—once again illustrating the direct role played by certain key Forum members in executing Pentagon information operations in war theatres.

In his 2005 *New Yorker* investigation, the Pulitzer Prize-winning Seymour Hersh referred to a series of articles by Arquilla elaborating on a new strategy of "countering terror" with pseudo-terror. "It takes a network to fight a network," said Arquilla, drawing on the thesis he had been promoting in the Pentagon through the Highlands Forum since its founding:

"When conventional military operations and bombing failed to defeat the Mau Mau insurgency in Kenya in the 1950s, the British formed teams of friendly Kikuyu tribesmen who went about pretending to be terrorists. These 'pseudo gangs', as they were called, swiftly threw the Mau Mau on the defensive, either by befriending and then ambushing bands of fighters or by guiding bombers to the terrorists' camps."

Arquilla went on to advocate that western intelligence services should use the British case as a model for creating new "pseudo gang" terrorist groups, as a way of undermining "real" terror networks:

"What worked in Kenya a half-century ago has a wonderful chance of undermining trust and recruitment among today's terror networks. Forming new pseudo gangs should not be difficult."

Essentially, Arquilla's argument was that as only networks can fight networks, the only way to defeat enemies conducting irregular warfare is to use techniques of irregular warfare against them. Ultimately, the determining factor in victory is not conventional military defeat *per se*, but the extent to which the direction of the conflict can be calibrated to influence the population and rally their opposition to the adversary. Arquilla's 'pseudo-gang' strategy was, Hersh reported, already being implemented by the Pentagon:

"Under Rumsfeld's new approach, I was told, US military operatives would be permitted to pose abroad as corrupt foreign businessmen seeking to buy contraband items that could be used in nuclear-weapons systems. In some cases, according to the Pentagon advisers, local citizens could be recruited and asked to join up with guerrillas or terrorists..."

The new rules will enable the Special Forces community to set up what it calls 'action teams' in the target countries overseas which can be used to find and eliminate terrorist organizations. 'Do you remember the right-wing execution squads in El Salvador?' the former high-level intelligence official asked me, referring to the military-led gangs that committed atrocities in the early nineteen-eighties. 'We founded them and we financed them,' he said. 'The objective now is to recruit locals in any area we want. And we aren't going to tell Congress about it.' A former military officer, who has knowledge of the Pentagon's commando capabilities, said, 'We're going to be riding with the bad boys.'"

Official corroboration that this strategy is now operational came with the leak of a 2008 US Army special operations field manual. The US military, the manual said, can conduct [irregular and unconventional warfare](#) by using surrogate non-state groups such as "paramilitary forces, individuals, businesses, foreign political organizations, resistant or insurgent organizations, expatriates, transnational terrorism adversaries, disillusioned transnational terrorism members, black marketers, and other social or political 'undesirables.'" Shockingly, the manual specifically acknowledged that US special operations can involve both counterterrorism and "Terrorism," as well as: "Transnational criminal activities, including narco-trafficking, illicit arms-dealing, and illegal financial transactions." The purpose of such covert operations is, essentially, population control—they are "specifically focused on leveraging some portion of the indigenous population to accept the status quo," or to accept "whatever political outcome" is being imposed or negotiated.

By this twisted logic, terrorism can in some cases be defined as a legitimate tool of US statecraft by which to influence populations into accepting a particular "political outcome"—all in the name fighting terrorism.

Is this what the Pentagon was doing by [coordinating](#) the nearly \$1 billion of funding from Gulf regimes to anti-Assad rebels, most of which according to the CIA's own classified assessments ended up in the coffers of violent Islamist extremists linked to al-Qaeda, who went on to spawn the 'Islamic State'?

The rationale for the new strategy was first officially set out in an August 2002 briefing for the Pentagon's Defense Science Board, which advocated the creation of a '[Proactive, Preemptive Operations Group](#)' (P2OG) within the National Security Council. P2OG, the Board proposed, must conduct clandestine operations to infiltrate and "stimulate reactions" among terrorist networks to provoke them into action, and thus facilitate targeting them.

The Defense Science Board is, like other Pentagon agencies, intimately related with the Highlands Forum, whose work feeds into the Board's research, which in turn is regularly presented at the Forum.

According to the US intelligence sources who spoke to Hersh, Rumsfeld had ensured that the new brand of black operations would be conducted entirely under Pentagon jurisdiction, firewalled off from the CIA and regional US military commanders, and executed by its own secret special operations command. That [chain of command](#) would include, apart from the defense secretary himself, two of his deputies including the undersecretary of defense for intelligence: the position overseeing the Highlands Forum.

Strategic communications: war propaganda at home and abroad

Within the Highlands Forum, the special operations techniques explored by Arquilla have been taken up by several others in directions focused increasingly on propaganda—among them, Dr. Lochard, as seen previously, and also Dr. Amy Zalman, who focuses particularly on the idea of the US military using ‘strategic narratives’ to influence public opinion and win wars.

Like her colleague, Highlands Forum founding member Jeff Cooper, Zalman was schooled in the bowels of SAIC/Leidos. From 2007 to 2012, she was a senior SAIC strategist, before becoming Department of Defense Information Integration Chair at the US Army’s National War College, where she focused on how to fine-tune propaganda to elicit the precise responses desired from target groups, based on complete understanding of those groups. As of summer last year, she became CEO of the World Futures Society.

Dr. Amy Zalman, an ex-SAIC strategist, is CEO of the World Futures Society, and a long-time Pentagon Highlands Forum delegate consulting for the US government on strategic communications in irregular warfare

In 2005, the same year Hersh reported that the Pentagon strategy of “stimulating reactions” among terrorists by provoking them was underway, Zalman delivered a [briefing](#) to the Pentagon Highlands Forum titled, *‘In Support of a Narrative Theory Approach to US Strategic Communication.’* Since then, Zalman has been a long-time [Highlands Forum delegate](#), and has presented her work on strategic communications to a range of US government agencies, NATO forums, as well as teaching courses in irregular warfare to soldiers at the US Joint Special Operations University.

Her 2005 Highlands Forum briefing is not publicly available, but the thrust of Zalman’s input into the information component of Pentagon special operations strategies can be gleaned from some of her published work. In 2010, when she was still attached to SAIC, her [NATO paper](#) noted that a key component of irregular war is “winning some degree of emotional support from the population by influencing their subjective perceptions.” She advocated that the best way of achieving such influence goes far further than traditional propaganda and messaging techniques. Rather, analysts must “place themselves in the skins of the people under observation.”

Zalman released another [paper](#) the same year via the IO Journal, published by the Information Operations Institute, which describes itself as a “special interest group” of the Association of Old Crows. The latter is a professional association for theorists and practitioners of electronic warfare and information operations, chaired by Kenneth Israel, vice president of Lockheed Martin, and vice chaired by David Himes, who retired last year from his position as senior advisor in electronic warfare at the US Air Force Research Laboratory.

In this paper, titled *‘Narrative as an Influence Factor in Information Operations,’* Zalman laments that the US military has “found it difficult to create compelling narratives—or stories—either to express its strategic aims, or to communicate in discrete situations, such as civilian deaths.” By the end, she concludes that “the complex issue of civilian deaths” should be approached not just by “apologies and compensation”—which barely occurs anyway—but by propagating narratives that portray characters with whom the audience connects (in this case, ‘the audience’ being ‘populations in war zones’). This is to facilitate the audience resolving struggles in a “positive way,” defined, of course, by US military interests. Engaging emotionally in this way with “survivors of those dead” from US military action might “prove to be an empathetic form of influence.” Throughout, Zalman is incapable of questioning the legitimacy of US strategic aims, or acknowledging that the impact of those aims in the accumulation of civilian deaths, is precisely the problem that needs to change—as opposed to the way they are ideologically framed for populations subjected to military action.

‘Empathy,’ here, is merely an instrument by which to manipulate.

In 2012, Zalman wrote an article for *The Globalist* seeking to demonstrate how the rigid delineation of ‘hard power’ and ‘soft power’ needed to be overcome, to recognize that the use of force requires the right symbolic and cultural effect to guarantee success:

“As long as defense and economic diplomacy remain in a box labeled ‘hard power,’ we fail to see how much their success relies on their symbolic effects as well as their material ones. As long as diplomatic and cultural efforts are stored in a box marked ‘soft power,’ we fail to see the ways in which they can be used coercively or produce effects that are like those produced by violence.”

Given SAIC's deep involvement in the Pentagon Highlands Forum, and through it the development of information strategies on surveillance, irregular warfare, and propaganda, it is hardly surprising that SAIC was the other key private defense firm contracted to generate propaganda in the run up to Iraq War 2003, alongside TRG.

"SAIC executives have been involved at every stage... of the war in Iraq," reported *Vanity Fair*, ironically, in terms of deliberately **disseminating false claims about WMD**, and then investigating the 'intelligence failure' around false WMD claims. David Kay, for instance, who had been hired by the CIA in 2003 to hunt for Saddam's WMD as head of the Iraq Survey Group, was until October 2002 a senior SAIC vice president hammering away "at the threat posed by Iraq" under Pentagon contract. When WMD failed to emerge, President Bush's commission to investigate this US 'intelligence failure' included three SAIC executives, among them **Highlands Forum founding member Jeffrey Cooper**. The very year of Kay's appointment to the Iraq Survey Group, Clinton's defense secretary William Perry—the man under whose orders the Highlands Forum was set-up—joined the board of SAIC. The investigation by Cooper and all let the Bush administration off the hook for manufacturing propaganda to legitimize war—unsurprisingly, given Cooper's integral role in the very Pentagon network that manufactured that propaganda.

SAIC was also among the many contractors that profited handsomely from Iraqi reconstruction deals, and was **re-contracted** after the war to promote pro-US narratives abroad. In the same vein as Rendon's work, the idea was that stories planted abroad would be picked up by US media for domestic consumption.

Delegates at the Pentagon's 46th Highlands Forum in December 2011, from right to left: John Seely Brown, chief scientist/director at Xerox PARC from 1990–2002 and an early board member of In-Q-Tel; Ann Pendleton-Jullian, co-author with Brown of a manuscript, *Design Unbound*; Antonio and Hanna Damasio, a neurologist and neurobiologist respectively who are part of a DARPA-funded project on propaganda

But the Pentagon Highlands Forum's promotion of advanced propaganda techniques is not exclusive to core, longstanding delegates like Rendon and Zalman. In 2011, **the Forum hosted two DARPA-funded scientists, Antonio and Hanna Damasio, who are principal investigators in the 'Neurobiology of Narrative Framing' project at the University of Southern California. Evoking Zalman's emphasis on the need for Pentagon psychological operations to deploy "empathetic influence," the new DARPA-backed project aims to investigate how narratives often appeal "to strong, sacred values in order to evoke an emotional response," but in different ways across different cultures. The most disturbing element of the research is its focus on trying to understand how to increase the Pentagon's capacity to deploy narratives that influence listeners in a way that overrides conventional reasoning in the context of morally-questionable actions.**

The project [description](#) explains that the psychological reaction to narrated events is "influenced by how the narrator frames the events, appealing to different values, knowledge, and experiences of the listener." Narrative framing that "targets the sacred values of the listener, including core personal, nationalistic, and/or religious values, is particularly effective at influencing the listener's interpretation of narrated events," because such "sacred values" are closely tied with "the psychology of identity, emotion, moral decision making, and social cognition." By applying sacred framing to even mundane issues, such issues "can gain properties of sacred values and result in a strong aversion to using conventional reasoning to interpret them." The two Damasios and their team are exploring what role "linguistic and neuropsychological mechanisms" play in determining "the effectiveness of narrative framing using sacred values in influencing a listener's interpretation of events."

The research is based on extracting narratives from millions of American, Iranian and Chinese weblogs, and subjecting them to automated discourse analysis to compare them quantitatively across the three languages. The investigators then follow up using behavioral experiments with readers/listeners from different cultures to gauge their reaction different narratives "where each story makes an appeal to a sacred value to explain or justify a morally-questionable behavior of the author." Finally, the scientists apply neurobiological fMRI scanning to correlate the reactions and personal characteristics of subjects with their brain responses.

Why is the Pentagon funding research investigating how to exploit people's "sacred values" to extinguish their capacity for logical reasoning, and enhance their emotional openness to "morally-questionable behavior"?

The focus on English, Farsi and Chinese may also reveal that the Pentagon's current concerns are overwhelmingly about developing information operations against two key adversaries, Iran and China, which fits into longstanding ambitions to project strategic influence in the Middle East, Central Asia and Southeast Asia. Equally, the emphasis on English language, specifically from American weblogs, further suggests the Pentagon is concerned about projecting propaganda to influence public opinion at home.

Rosemary Wenchel (left) of the US Department of Homeland Security with Jeff 'Skunk' Baxter, a former musician and now US defense consultant who has worked for contractors like SAIC and Northrup Grumman. SAIC/Leidos executive Jeff Cooper is behind them

Lest one presume that DARPA's desire to mine millions of American weblogs as part of its 'neurobiology of narrative framing' research is a mere case of random selection, an additional co-chair of the Pentagon Highlands Forum in recent years is Rosemary Wenchel, former director of cyber capabilities and operations support at the Office of the Secretary of Defense. Since 2012, Wenchel has been deputy assistant secretary for strategy and policy in the Department of Homeland Security.

As the Pentagon's extensive funding of propaganda on Iraq and Afghanistan demonstrates, population influence and propaganda is critical not just in far-flung theatres abroad in strategic regions, but also at home, to quell the risk of domestic public opinion undermining the legitimacy of Pentagon policy. In the photo above, Wenchel is talking to Jeff Baxter, a long-time US defense and intelligence consultant. In September 2005, Baxter was part of a supposedly "independent" [study group](#) (chaired by NSA-contractor Booz Allen Hamilton) commissioned by the Department of Homeland Security, which recommended a greater role for US spy satellites in monitoring the [domestic population](#).

Meanwhile, Zalman and Rendon, while both remaining closely involved in the Pentagon Highlands Forum, continue to be courted by the US military for their expertise on information operations. In October 2014, both participated in a major Strategic Multi-Layer Assessment [conference](#) sponsored by the US Department of Defense and the Joint Chiefs of Staff, titled '*A New Information Paradigm? From Genes to "Big Data" and Instagram to Persistent Surveillance... Implications for National Security.*' Other delegates represented senior US military officials, defense industry executives, intelligence community officials, Washington think-tanks, and academics.

John Rendon, CEO of The Rendon Group, at a Highlands Forum session in 2010

Rendon and SAIC/Leidos, two firms that have been central to the very evolution of Pentagon information operations strategy through their pivotal involvement in the Highlands Forum, continue to be contracted for key operations under the Obama administration. A US General Services Administration [document](#), for instance, shows that Rendon was granted a major 2010–2015 contract providing general media and communications support services across federal agencies. Similarly, SAIC/Leidos has a \$400 million 2010–2015 [contract](#) with the US Army Research Laboratory for "Expeditionary Warfare; Irregular Warfare; Special Operations; Stabilization and Reconstruction Operations"—a contract which is "being prepared now for recomplete."

The empire strikes back

Under Obama, the nexus of corporate, industry, and financial power represented by the interests that participate in the Pentagon Highlands Forum has consolidated itself to an unprecedented degree.

Coincidentally, the [very day](#) Obama announced Hagel's resignation, the DoD issued a [media release](#) highlighting how Robert O. Work, Hagel's deputy defense secretary appointed by Obama in 2013, planned to take forward the Defense Innovation Initiative that Hagel had just announced a week earlier. The new initiative was focused on ensuring that the Pentagon would undergo a long-term transformation to keep up with leading edge disruptive technologies across information operations.

Whatever the real reasons for Hagel's ejection, this was a symbolic and tangible victory for Marshall and the Highlands Forum vision. Highlands Forum co-chair Andrew Marshall, head of the ONA, may indeed be retiring. But the post-Hagel Pentagon is now staffed with his followers.

Robert Work, who now presides over the new DoD transformation scheme, is a loyal Marshall acolyte who had previously directed and analyzed war games for the Office of Net Assessment. Like Marshall, Wells, O'Neill

and other Highlands Forum members, Work is also a [robot fantasist who lead authored the study, *Preparing for War in the Robotic Age*](#), published early last year by the Center for a New American Security (CNAS).

Work is also pitched to [determine the future of the ONA](#), assisted by his strategist Tom Ehrhard and DoD undersecretary for intelligence Michael G. Vickers, under whose authority the Highlands Forum currently runs. Ehrhard, an advocate of "[integrating disruptive technologies](#) in DoD," previously served as Marshall's military assistant in the ONA, while Mike Vickers—who oversees surveillance agencies like the NSA—was also previously hired by Marshall to consult for the Pentagon.

Vickers is also a leading proponent of [irregular warfare](#). As assistant defense secretary for special operations and low intensity conflict under former defense secretary Robert Gates in both the Bush and Obama administrations, Vickers's irregular warfare vision pushed for "distributed operations across the world," including "in scores of countries with which the US is not at war," as part of a program of "counter network warfare" using a "network to fight a network"—a strategy which of course has the Highlands Forum all over it. In his previous role under Gates, Vickers increased the budget for special operations including psychological operations, stealth transport, Predator drone deployment and "using high-tech surveillance and reconnaissance to track and target terrorists and insurgents."

To replace Hagel, Obama nominated Ashton Carter, former deputy defense secretary from 2009 to 2013, whose expertise in budgets and procurement according to the *Wall Street Journal* is "expected to boost some of the initiatives championed by the current Pentagon deputy, Robert Work, including an effort to develop new strategies and technologies to preserve the US advantage on the battlefield."

Back in 1999, after three years as Clinton's assistant defense secretary, Carter co-authored a [study](#) with former defense secretary William J. Perry advocating a new form of 'war by remote control' facilitated by "digital technology and the constant flow of information." One of Carter's colleagues in the Pentagon during his tenure at that time was Highlands Forum co-chair Linton Wells; and it was Perry of course that as then-defense secretary appointed Richard O'Neill to set-up the Highlands Forum as the Pentagon's IO think-tank back in 1994.

Highlands Forum overlord Perry went on to join the board of SAIC, before eventually becoming chairman of another giant defense contractor, Global Technology Partners (GTP). And Ashton Carter was on GTP's board under Perry, before being nominated to defense secretary by Obama. During Carter's previous Pentagon stint under Obama, he worked closely with Work and current undersecretary of defense Frank Kendall. Defense [industry sources](#) rejoice that the new Pentagon team will "dramatically improve" chances to "push major reform projects" at the Pentagon "across the finish line."

Indeed, Carter's [priority](#) as defense chief nominee is identifying and acquiring new commercial "disruptive technology" to enhance US military strategy—in other words, executing the [DoD Skynet plan](#).

The origins of the Pentagon's new innovation initiative can thus be traced back to ideas that were widely circulated inside the Pentagon decades ago, but which failed to take root fully until now. Between 2006 and 2010, the same period in which such ideas were being developed by Highlands Forum experts like Lochard, Zalman and Rendon, among many others, the Office of Net Assessment provided a direct mechanism to channel these ideas into concrete strategy and policy development through the Quadrennial Defense Reviews, where Marshall's input was [primarily responsible](#) for the expansion of the "black" world: "special operations," "electronic warfare" and "information operations."

Andrew Marshall, now retired head of the DoD's Office of Net Assessment and Highlands Forum co-chair, at a Forum session in 2008

Marshall's pre-9/11 [vision](#) of a fully networked and automated military system found its fruition in the Pentagon's [Skynet study](#) released by the National Defense University in September 2014, which was co-authored by Marshall's colleague at the Highlands Forum, Linton Wells. Many of Wells' recommendations are now to be executed via the new Defense Innovation Initiative by veterans and affiliates of the ONA and Highlands Forum.

Given that Wells' white paper highlighted the Pentagon's keen interest in monopolizing AI research to monopolize autonomous networked robot warfare, it is not entirely surprising that the Forum's sponsoring partners at SAIC/Leidos display a bizarre sensitivity about public use of the word 'Skynet.'

On a Wikipedia [entry](#) titled 'Skynet (fictional)', people using SAIC computers deleted several paragraphs under the 'Trivia' section pointing out real-world 'Skynets', such as the British military satellite system, and various information technology projects.

Hagel's departure paved the way for Pentagon officials linked to the Highlands Forum to consolidate government influence. These officials are embedded in a longstanding shadow network of political, industry, media and corporate officials that sit invisibly behind the seat of government, yet literally write its foreign and domestic national security policies whether the administration is Democrat or Republican, by contributing 'ideas' and forging government-industry relationships.

It is this sort of closed-door networking that has rendered the American vote pointless. Far from protecting the public interest or helping to combat terrorism, the comprehensive monitoring of electronic communications has been systematically abused to empower vested interests in the energy, defense, and IT industries.

The state of permanent global warfare that has resulted from the Pentagon's alliances with private contractors and unaccountable harnessing of information expertise, is not making anyone safer, but has spawned a new generation of terrorists in the form of the so-called 'Islamic State'—itself a Frankenstein [by-product](#) of the putrid combination of Assad's brutality and longstanding US covert operations in the region. This Frankenstein's existence is now being cynically [exploited](#) by private contractors seeking to profit exponentially from expanding the national security apparatus, at a time when economic volatility has pressured governments to slash defense spending.

According to the Securities and Exchange Commission, from 2008 to 2013, the five largest US defense contractors lost 14 percent of their employees, as the winding down of US wars in Iraq and Afghanistan led to lack of business and squeezed revenues. The continuation of the 'Long War' triggered by ISIS has, for now, reversed their fortunes. Companies profiting from the new war include [many](#) connected to the Highlands Forum, such as Leidos, Lockheed Martin, Northrup Grumman, and Boeing. War is, indeed, a racket.

No more shadows

Yet in the long-run, the information imperialists have [already failed](#). This investigation is based entirely on open source techniques, made viable largely in the context of the same information revolution that enabled Google. The investigation has been funded entirely by members of the public, through crowd-funding. And the investigation has been published and distributed outside the circuits of traditional media, precisely to make the point that in this new digital age, centralized top-down concentrations of power cannot overcome the power of people, their love of truth and justice, and their desire to share.

What are the lessons of this irony? Simple, really: The information revolution is inherently decentralized, and decentralizing. It cannot be controlled and co-opted by Big Brother. Efforts to do so will in the end invariably fail, in a way that is ultimately self-defeating.

The latest mad-cap Pentagon initiative to dominate the world through control of information and information technologies, is not a sign of the all-powerful nature of the shadow network, but rather a symptom of its deluded desperation as it attempts to ward off the acceleration of its hegemonic decline.

But the decline is well on its way. And this story, like so many before it, is one small sign that the opportunities to mobilize the information revolution for the benefit of all, despite the efforts of power to hide in the shadows, are [stronger](#) than ever.

[READ PART ONE](#)

Dr Nafeez Ahmed is an investigative journalist, bestselling author and international security scholar. A former Guardian writer, he writes the 'System Shift' column for VICE's Motherboard, and is also a columnist for Middle

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Nafeez has also written for The Independent, Sydney Morning Herald, The Age, The Scotsman, Foreign Policy, The Atlantic, Quartz, Prospect, New Statesman, Le Monde diplomatique, New Internationalist, Counterpunch, Truthout, among others. He is the author of A User's Guide to the Crisis of Civilization: And How to Save It (2010), and the scifi thriller novel ZERO POINT, among other books. His work on the root causes and covert operations linked to international terrorism officially contributed to the 9/11 Commission and the 7/7 Coroner's Inquest.

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7.4.2 Part 1: Inside the secret network behind mass surveillance, endless war, and Skynet—

PART 1

[Nafeez Ahmed](#)

Jan 22, 2015

By Nafeez Ahmed

[INSURGE INTELLIGENCE](#), a new crowd-funded investigative journalism project, breaks the exclusive story of how the United States intelligence community funded, nurtured and incubated Google as part of a drive to dominate the world through control of information. Seed-funded by the NSA and CIA, Google was merely the first among a plethora of private sector start-ups co-opted by US intelligence to retain 'information superiority.'

The origins of this ingenious strategy trace back to a secret Pentagon-sponsored group, that for the last two decades has functioned as a bridge between the US government and elites across the business, industry, finance, corporate, and media sectors. The group has allowed some of the most powerful special interests in corporate America to systematically circumvent democratic accountability and the rule of law to influence government policies, as well as public opinion in the US and around the world. The results have been catastrophic: NSA mass surveillance, a permanent state of global war, and a new initiative to transform the US military into Skynet.

THIS IS PART ONE. READ [PART TWO HERE](#).

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In the wake of the [Charlie Hebdo attacks in Paris](#), western governments are moving fast to [legitimize](#) expanded powers of mass surveillance and controls on the internet, all in the name of fighting terrorism.

US and European [politicians](#) have called to protect NSA-style snooping, and to [advance the capacity to intrude on internet privacy by outlawing encryption](#). One idea is to establish a telecoms partnership that would unilaterally [delete content deemed to "fuel hatred and violence" in situations considered "appropriate."](#) Heated discussions are going on at government and parliamentary level to explore cracking down on [lawyer-client](#) confidentiality.

What any of this would have done to prevent the Charlie Hebdo attacks remains a [mystery](#), especially given that we already know the terrorists were on the radar of French intelligence for up to a decade.

There is little new in this story. [The 9/11 atrocity was the first of many terrorist attacks, each succeeded by the dramatic extension of draconian state powers at the expense of civil liberties](#), backed up with the projection of military force in regions identified as hotspots harbouring terrorists. Yet there is little indication that this tried and tested formula has done anything to reduce the danger. If anything, we appear to be locked into a [deepening cycle of violence](#) with no clear end in sight.

As our governments push to increase their powers, *INSURGE INTELLIGENCE* can now reveal the vast extent to which the US intelligence community is implicated in nurturing the web platforms we know today, for the precise purpose of utilizing the technology as a mechanism to fight global 'information war'—a war to legitimize the power of the few over the rest of us. The lynchpin of this story is the corporation that in many ways defines the 21st century with its [unobtrusive omnipresence: Google](#).

Google styles itself as a friendly, funky, user-friendly tech firm that rose to prominence through a combination of skill, luck, and genuine innovation. This is true. But it is a mere fragment of the story. In reality, **Google is a smokescreen behind which lurks the US military-industrial complex.**

The inside story of Google's rise, revealed here for the first time, opens a can of worms that goes far beyond Google, unexpectedly shining a light on the existence of a **parasitical network** driving the evolution of the US national security apparatus, and **profiting** obscenely from its operation.

The shadow network

For the last two decades, US foreign and intelligence strategies have resulted in a **global 'war on terror'** consisting of prolonged military invasions in the Muslim world and comprehensive surveillance of civilian populations. These strategies have been incubated, if not dictated, by a **secret network inside and beyond the Pentagon.**

Established under the Clinton administration, consolidated under Bush, and firmly entrenched under Obama, this bipartisan network of mostly **neoconservative** ideologues sealed its dominion **inside the US Department of Defense (DoD)** by the dawn of 2015, through the operation of an obscure corporate entity outside the Pentagon, but run by the Pentagon.

In 1999, the **CIA created its own venture capital investment firm, In-Q-Tel,** to fund promising start-ups that might create technologies useful for intelligence agencies. But the inspiration for In-Q-Tel came earlier, when the Pentagon set up its **own private sector** outfit.

Known as the **'Highlands Forum,'** this private network has operated as a **bridge between the Pentagon and powerful American elites outside the military** since the mid-1990s. Despite changes in civilian administrations, the network around the Highlands Forum has become increasingly successful in dominating US defense policy.

Giant defense contractors like **Booz Allen Hamilton and Science Applications International Corporation** are sometimes referred to as the **'shadow intelligence community'** due to the revolving doors between them and government, and their capacity to simultaneously influence and **profit from defense policy.** But while these contractors compete for power and money, they also collaborate where it counts. The Highlands Forum has for 20 years provided an **off the record space for some of the most prominent members of the shadow intelligence community to convene with senior US government officials,** alongside other leaders in relevant industries.

I first stumbled upon the existence of this network in November 2014, when I reported for *VICE's Motherboard* that US defense secretary Chuck Hagel's newly announced **'Defense Innovation Initiative'** was really about **building Skynet**—or something like it, essentially to dominate an emerging era of **automated robotic warfare.**

That story was based on a little-known Pentagon-funded **'white paper'** published two months earlier by the **National Defense University** (NDU) in Washington DC, a leading US military-run institution that, among other things, generates research to develop US defense policy at the highest levels. The white paper clarified the thinking behind the new initiative, and the revolutionary scientific and technological developments it hoped to capitalize on.

The Highlands Forum

The co-author of that NDU white paper is Linton Wells, a 51-year veteran US defense official who served in the Bush administration as the Pentagon's chief information officer, overseeing the National Security Agency (NSA) and other spy agencies. He **still holds** active **top-secret security clearances,** and according to a report by *Government Executive* magazine in 2006 he **chaired the 'Highlands Forum'**, founded by the Pentagon in 1994.

Linton Wells II (right) former Pentagon chief information officer and assistant secretary of defense for networks, at a recent Pentagon Highlands Forum session. Rosemary Wenchel, a senior official in the **US Department of Homeland Security,** is sitting next to him

New Scientist magazine (paywall) has compared the Highlands Forum to **elite meetings like "Davos, Ditchley and Aspen,"** describing it as "far less well known, yet... arguably just as influential a talking shop." Regular Forum meetings bring together "innovative people to consider interactions between policy and technology. Its biggest successes have been in the development of **high-tech network-based warfare."**

Given Wells' role in such a Forum, perhaps it was not surprising that his defense transformation white paper was able to have such a profound impact on actual Pentagon policy. But if that was the case, why had no one noticed?

Despite being sponsored by the Pentagon, I could find **no official page** on the DoD website about the Forum. Active and former US military and intelligence sources had never heard of it, and neither did national security journalists. I was baffled.

The Pentagon's intellectual capital venture firm

In the prologue to his **2007** book, ***A Crowd of One: The Future of Individual Identity***, John Clippinger, an MIT scientist of the Media Lab Human Dynamics Group, described how he participated in a "Highlands Forum" gathering, an "invitation-only meeting **funded by the Department of Defense and chaired by the assistant for networks and information integration.**" This was a senior DoD post overseeing operations and policies for the Pentagon's most powerful spy agencies including the NSA, the Defense Intelligence Agency (DIA), among others. Starting from 2003, the position was transitioned into what is now the undersecretary of defense for intelligence. The Highlands Forum, Clippinger wrote, was founded by a retired **US Navy captain named Dick O'Neill**. Delegates include senior US military officials across numerous agencies and divisions—"captains, rear admirals, generals, colonels, majors and commanders" as well as "members of the DoD leadership."

What at first appeared to be the Forum's main [website](#) describes Highlands as "an informal cross-disciplinary network sponsored by Federal Government," focusing on "**information, science and technology.**" Explanation is sparse, beyond a single 'Department of Defense' logo.

But Highlands also has [another](#) website describing itself as an "**intellectual capital venture firm**" with "extensive experience assisting **corporations, organizations, and government leaders.**" The firm provides a "wide range of services, including: strategic planning, scenario creation and gaming for expanding global markets," as well as "working with clients to build strategies for execution." 'The Highlands Group Inc.,' the website says, organizes a whole range of Forums on these issue.

For instance, in addition to the Highlands Forum, since 9/11 the Group runs the **Island Forum,** an international event held in association with Singapore's Ministry of Defense, which O'Neill oversees as "lead consultant." The Singapore Ministry of Defense website describes the Island Forum as "**patterned after** the Highlands Forum organized for the US Department of Defense." Documents leaked by NSA whistleblower Edward Snowden confirmed that Singapore played a key role in permitting the **US and Australia to tap undersea cables to spy on Asian powers like Indonesia and Malaysia.**

The Highlands Group website also reveals that Highlands is partnered with one of the most powerful defense contractors in the United States. Highlands is "supported by a network of companies and independent researchers," including "our Highlands Forum partners for the past ten years at **SAIC**; and the vast Highlands network of participants in the Highlands Forum."

SAIC stands for the US defense firm, **Science Applications International Corporation**, which changed its name to **Leidos in 2013**, operating SAIC as a subsidiary. SAIC/Leidos is among the **top 10** largest defense contractors in the US, and works closely with the US intelligence community, especially the NSA. According to investigative journalist Tim Shorrock, the first to disclose the **vast extent of the privatization of US intelligence with his seminal book *Spies for Hire*, SAIC has a "symbiotic relationship with the NSA:** the agency is the company's largest single customer and SAIC is the NSA's largest contractor."

Richard 'Dick' Patrick O'Neill, founding president of the Pentagon's Highlands Forum

The full name of Captain "Dick" O'Neill, the founding president of the Highlands Forum, is Richard Patrick O'Neill, who after his work in the Navy joined the DoD. He served his last post as deputy for strategy and policy in the **Office of the Assistant Secretary for Defense for Command, Control, Communications and Intelligence**, before setting up Highlands.

The Club of Yoda

But Clippinger also referred to another mysterious individual revered by Forum attendees:

*"He sat at the back of the room, expressionless behind thick, black-rimmed glasses. I never heard him utter a word... Andrew (Andy) Marshall is an icon within DoD. Some call him **Yoda**, indicative of his mythical inscrutable status... He had served many administrations and was widely regarded as above partisan politics. He was a supporter of the Highlands Forum and a regular fixture from its beginning."*

Since 1973, Marshall has headed up one of the Pentagon's most powerful agencies, the **Office of Net Assessment (ONA)**, the US defense secretary's internal 'think tank' which conducts highly classified research on future planning for defense policy across the US military and intelligence community. The ONA has played a key role in **major Pentagon strategy initiatives**, including Maritime Strategy, the Strategic Defense Initiative, the Competitive Strategies Initiative, and the Revolution in Military Affairs.

Andrew 'Yoda' Marshall, head of the Pentagon's Office of Net Assessment (ONA) and co-chair of the Highlands Forum, at an early Highlands event in 1996 at the Santa Fe Institute. Marshall is retiring as of January 2015

In a rare 2002 profile in [Wired](#), reporter Douglas McGray described Andrew Marshall, now 93 years old, as "the DoD's most elusive" but "one of its most influential" officials. McGray added that "Vice President Dick Cheney, Defense Secretary Donald Rumsfeld, and Deputy Secretary Paul Wolfowitz"—widely considered the hawks of the **neoconservative movement** in American politics—were among **Marshall's "star protégés."**

Speaking at a low-key [Harvard University seminar](#) a few months after 9/11, Highlands Forum founding president Richard O'Neill said that Marshall was much more than a "regular fixture" at the Forum. "Andy Marshall is our co-chair, so indirectly everything that we do goes back into Andy's system," he told the audience. "Directly, people who are in the Forum meetings may be going back to give briefings to Andy on a variety of topics and to synthesize things." He also said that the **Forum had a third co-chair: the [director of the Defense Advanced Research and Projects Agency \(DARPA\)](#)**, which at that time was a Rumsfeld appointee, Anthony J. Tether. Before joining DARPA, Tether was vice president of **SAIC's Advanced Technology Sector**.

Anthony J. Tether, director of DARPA and co-chair of the Pentagon's Highlands Forum from June 2001 to February 2009

The **Highlands Forum's influence on US defense policy** has thus operated through three main channels: its sponsorship by the Office of the Secretary of Defense (around the middle of last decade this was transitioned specifically to the [Office of the Undersecretary of Defense for Intelligence](#), which is in charge of the main surveillance agencies); its direct link to **Andrew 'Yoda' Marshall's ONA**; and its **direct link to DARPA**.

According to Clippinger in *A Crowd of One*, "what happens at informal gatherings such as the Highlands Forum could, over time and through **unforeseen curious paths of influence**, have enormous impact, not just within the DoD but throughout the world." He wrote that the Forum's ideas have "moved from being heretical to mainstream. Ideas that were anathema in 1999 had been adopted as policy just three years later."

Although the Forum **does not produce** "consensus recommendations," its impact is deeper than a traditional government advisory committee. "The ideas that emerge from meetings are available for use by decision-makers as well as by people from the think tanks," according to [O'Neill](#):

*"We'll include people from **Booz, SAIC, RAND**, or others at our meetings... We welcome that kind of cooperation, because, truthfully, they have the gravitas. They are there for the long haul and are able to influence government policies with real scholarly work... We produce ideas and interaction and networks for these people to take and use as they need them."*

My repeated requests to O'Neill for information on his work at the Highlands Forum were ignored. The Department of Defense also did not respond to multiple requests for information and comment on the Forum.

Information warfare

The Highlands Forum has served as a **two-way 'influence bridge'**: on the one hand, for the **shadow network** of private contractors to influence the formulation of information operations policy across US military intelligence; and on the other, for the **Pentagon** to influence what is going on in the private sector. There is no clearer evidence of this than the truly instrumental role of the Forum in **incubating the idea of mass surveillance as a mechanism to dominate information on a global scale.**

In 1989, Richard O'Neill, then a US Navy cryptologist, wrote a paper for the US Naval War College, **'Toward a methodology for perception management.'** In his book, *Future Wars*, **Col. John Alexander**, then a senior officer in the US Army's Intelligence and Security Command (INSCOM), records that O'Neill's paper for the first time outlined a strategy for **"perception management" as part of information warfare (IW).** O'Neill's proposed strategy identified three categories of targets for IW: adversaries, so they believe they are vulnerable; potential partners, **"so they perceive the cause [of war] as just";** and finally, civilian populations and the political leadership so they "perceive the cost as worth the effort." A secret briefing based on O'Neill's work "made its way to the top leadership" at DoD. "They acknowledged that O'Neill was right and told him to bury it.

Except the DoD didn't bury it. **Around 1994**, the Highlands Group was founded by O'Neill as an official Pentagon project at the **appointment of Bill Clinton's then defense secretary William Perry**—who went on to join **SAIC's board of directors** after retiring from government in 2003.

In O'Neill's own words, the group would function as the **Pentagon's 'ideas lab'.** According to *Government Executive*, military and information technology experts gathered at the first Forum meeting "to consider the impacts of IT and globalization on the United States and on warfare. **How would the Internet and other emerging technologies change the world?"** The meeting helped plant the idea of "network-centric warfare" in the minds of "the nation's top military thinkers."

Excluding the public

Official Pentagon records confirm that the Highlands Forum's primary goal was to support DoD policies on O'Neill's specialism: information warfare. According to the Pentagon's 1997 *Annual Report to the President and the Congress* under a section titled **'Information Operations,'** (IO) the Office of the Secretary of Defense (OSD) had authorized the "establishment of the Highlands Group of key DoD, industry, and academic IO experts" to coordinate IO across federal military intelligence agencies.

The following year's **DoD annual report** reiterated the Forum's centrality to information operations: "To examine IO issues, DoD sponsors the Highlands Forum, which **brings together government, industry, and academic professionals from various fields.**"

Notice that in 1998, the Highlands 'Group' became a 'Forum.' According to O'Neill, this was to avoid subjecting Highlands Forums meetings to "bureaucratic restrictions." What he was alluding to was the **Federal Advisory Committee Act (FACA)**, which regulates the way the US government can **formally solicit the advice of special interests.**

Known as the 'open government' law, FACA requires that US government officials **cannot hold closed-door or secret consultations with people outside government** to develop policy. All such consultations should take place via federal advisory committees that permit **public scrutiny.** FACA requires that meetings be held in public, announced via the Federal Register, that **advisory groups are registered** with an office at the General Services Administration, among other requirements intended to maintain **accountability to the public interest.**

But *Government Executive* reported that “O’Neill and others believed” such regulatory issues **“would quell the free flow of ideas and no-holds-barred discussions they sought.”** Pentagon lawyers had warned that the word ‘group’ might necessitate certain obligations and advised **running the whole thing privately**: “So O’Neill renamed it the Highlands Forum and moved into the private sector to manage it as a consultant to the Pentagon.” **The Pentagon Highlands Forum thus runs under the mantle of O’Neill’s ‘intellectual capital venture firm,’ ‘Highlands Group Inc.’**

In 1995, a year after William Perry appointed O’Neill to head up the Highlands Forum, SAIC—the Forum’s “partner” organization—**launched** a new **Center for Information Strategy and Policy** under the direction of “Jeffrey Cooper, a member of the Highlands Group who advises senior Defense Department officials on information warfare issues.” The Center had precisely the same objective as the Forum, to function as “a clearinghouse to bring together the best and brightest minds in information warfare by sponsoring a continuing series of seminars, papers and symposia which explore the implications of information warfare in depth.” The aim was to “enable leaders and policymakers from government, industry, and academia to address key issues surrounding information warfare to ensure that the United States retains its edge over any and all potential enemies.”

Despite FACA regulations, federal advisory committees are already heavily influenced, if not captured, by corporate power. So in bypassing FACA, the Pentagon overrode even the loose restrictions of FACA, by **permanently excluding any possibility of public engagement.**

O’Neill’s claim that there are no reports or recommendations is disingenuous. By his own admission, the secret Pentagon consultations with industry that have taken place through the Highlands Forum since 1994 have been accompanied by regular presentations of academic and policy papers, recordings and notes of meetings, and other forms of documentation that are locked behind a login only accessible by Forum delegates. This violates the spirit, if not the letter, of FACA—in a way that is patently intended to circumvent democratic accountability and the rule of law.

The Highlands Forum **doesn’t need to produce consensus recommendations.** Its purpose is to provide the Pentagon a **shadow social networking mechanism to cement lasting relationships with corporate power**, and to identify new talent, that can be used to fine-tune information warfare strategies in absolute secrecy.

Total participants in the DoD’s Highlands Forum number over a thousand, although sessions largely consist of small closed workshop style gatherings of maximum 25–30 people, bringing together experts and officials depending on the subject. Delegates have included senior personnel from **SAIC and Booz Allen Hamilton, RAND Corp., Cisco, Human Genome Sciences, eBay, PayPal, IBM, Google, Microsoft, AT&T, the BBC, Disney, General Electric, Enron, among innumerable others; Democrat and Republican members of Congress and the Senate; senior executives from the US energy industry such as Daniel Yergin of IHS Cambridge Energy Research Associates; and key people involved in both sides of presidential campaigns.**

Other participants have included senior media professionals: David Ignatius, associate editor of the **Washington Post** and at the time the executive editor of the **International Herald Tribune**; Thomas Friedman, long-time **New York Times** columnist; Arnaud de Borchgrave, an editor at **Washington Times** and **United Press International**; Steven Levy, a former **Newsweek** editor, senior writer for **Wired** and now chief tech editor at **Medium**; Lawrence Wright, staff writer at the **New Yorker**; Noah Shachtman, executive editor at the **Daily Beast**; Rebecca McKinnon, co-founder of **Global Voices Online**; Nik Gowing of the BBC; and John Markoff of the **New York Times**.

Due to its current sponsorship by the OSD’s undersecretary of defense for intelligence, the Forum has **inside access to the chiefs of the main US surveillance and reconnaissance agencies**, as well as the directors and their assistants at DoD research agencies, from DARPA, to the ONA. This also means that the Forum is deeply plugged into the Pentagon’s policy research task forces.

Google: seeded by the Pentagon

In 1994—the same year the **Highlands Forum** was founded under the stewardship of the **Office of the Secretary of Defense, the ONA, and DARPA**—two young PhD students at Stanford University, Sergey Brin and Larry Page, made their breakthrough on the first automated web crawling and page ranking application. That application remains the core component of what eventually became Google's search service. Brin and Page had performed their work with funding from the **Digital Library Initiative** (DLI), a multi-agency programme of the **National Science Foundation (NSF), NASA and DARPA**.

But that's just one side of the story.

Throughout the development of the search engine, Sergey Brin reported regularly and directly to two people who were not Stanford faculty at all: **Dr. Bhavani Thuraisingham and Dr. Rick Steinheiser**. Both were representatives of a sensitive **US intelligence community** research programme on information security and data-mining.

Thuraisingham is currently the Louis A. Beecherl distinguished professor and executive director of the Cyber Security Research Institute at the University of Texas, Dallas, and a sought-after expert on data-mining, data management and information security issues. But in the 1990s, she worked for the **MITRE Corp.**, a leading US defense contractor, where she managed the Massive Digital Data Systems initiative, a project sponsored by the NSA, CIA, and the Director of Central Intelligence, to foster innovative research in information technology.

"We funded **Stanford University** through the computer scientist Jeffrey Ullman, who had several promising graduate students working on many exciting areas," Prof. Thuraisingham told me. "**One of them was Sergey Brin, the founder of Google**. The intelligence community's MDDS program essentially provided Brin seed-funding, which was supplemented by many other sources, including the private sector."

This sort of funding is certainly not unusual, and Sergey Brin's being able to receive it by being a graduate student at Stanford appears to have been incidental. The Pentagon was all over computer science research at this time. But it illustrates how **deeply entrenched the culture of Silicon Valley is in the values of the US intelligence community**.

In an extraordinary **document** hosted by the website of the University of Texas, Thuraisingham recounts that from **1993 to 1999, "the Intelligence Community [IC] started a program called Massive Digital Data Systems (MDDS)** that I was managing for the Intelligence Community when I was at the MITRE Corporation." The program funded 15 research efforts at various universities, including Stanford. Its goal was developing "data management technologies to manage several terabytes to petabytes of data," including for "query processing, transaction management, metadata management, storage management, and data integration."

At the time, Thuraisingham was chief scientist for data and information management at MITRE, where she led team research and development efforts for the NSA, CIA, US Air Force Research Laboratory, as well as the US Navy's Space and Naval Warfare Systems Command (SPAWAR) and Communications and Electronic Command (CECOM). She went on to teach courses for US government officials and defense contractors on data-mining in counter-terrorism.

In her University of Texas article, she attaches the copy of an abstract of the US intelligence community's MDDS program that had been presented to the "Annual Intelligence Community Symposium" in 1995. The abstract reveals that the primary sponsors of the MDDS programme were three agencies: the NSA, the CIA's Office of Research & Development, and the intelligence community's Community Management Staff (CMS) which operates under the Director of Central Intelligence. Administrators of the program, which provided funding of around **3–4 million dollars per year for 3–4 years**, were identified as Hal Curran (NSA), Robert Kluttz (CMS), Dr. Claudia Pierce (NSA), Dr. Rick Steinheiser (ORD—standing for the CIA's Office of Research and Development), and Dr. Thuraisingham herself.

Thuraisingham goes on in her article to reiterate that this **joint CIA-NSA** program **partly funded Sergey Brin to develop the core of Google**, through a grant to Stanford managed by Brin's supervisor Prof. Jeffrey D. Ullman:

"In fact, the Google founder Mr. Sergey Brin was partly funded by this program while he was a PhD student at Stanford. He together with his advisor Prof. Jeffrey Ullman and my colleague at MITRE, Dr. Chris Clifton [Mitre's chief scientist in IT], developed the Query Flocks System which produced solutions for mining large amounts of data stored in databases. I remember visiting Stanford with Dr. Rick Steinheiser from the Intelligence Community and Mr. Brin would rush in on roller blades, give his presentation and rush out. In fact the last time we met in September 1998, Mr. Brin demonstrated to us his search engine which became Google soon after."

Brin and Page officially incorporated Google as a company in September 1998, the very month they last reported to Thuraisingham and Steinheiser. 'Query Flocks' was also part of Google's patented '[PageRank](#)' search system, which Brin developed at Stanford under the CIA-NSA-MDDS programme, as well as with funding from the NSF, IBM and Hitachi. That year, MITRE's Dr. Chris Clifton, who worked under Thuraisingham to develop the 'Query Flocks' system, co-authored a paper with Brin's supervisor, Prof. Ullman, and the CIA's Rick Steinheiser. Titled 'Knowledge Discovery in Text,' the [paper](#) was presented at an academic conference.

"The MDDS funding that supported Brin was significant as far as seed-funding goes, but it was probably outweighed by the other funding streams," said Thuraisingham. "The duration of Brin's funding was around two years or so. In that period, I and my colleagues from the MDDS would visit Stanford to see Brin and monitor his progress every three months or so. We didn't supervise exactly, but we did want to check progress, point out potential problems and suggest ideas. In those briefings, Brin did present to us on the query flocks research, and also demonstrated to us versions of the Google search engine."

Brin thus reported to Thuraisingham and Steinheiser regularly about his work developing Google.

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UPDATE 2.05PM GMT [2nd Feb 2015]:

Since publication of this article, Prof. Thuraisingham has amended her article referenced above. The amended version includes a new modified statement, followed by a copy of the original version of her account of the MDDS. In this amended version, Thuraisingham rejects the idea that CIA funded Google, and says instead:

*"In fact Prof. Jeffrey Ullman (at Stanford) and my colleague at MITRE Dr. Chris Clifton together with some others developed the Query Flocks System, as part of MDDS, which produced solutions for mining large amounts of data stored in databases. Also, Mr. Sergey Brin, the cofounder of Google, was part of Prof. Ullman's research group at that time. I remember visiting Stanford with Dr. Rick Steinheiser from the Intelligence Community periodically and Mr. Brin would rush in on roller blades, give his presentation and rush out. During our last visit to Stanford in **September 1998, Mr. Brin demonstrated to us his search engine which I believe became Google soon after...**"*

There are also several inaccuracies in Dr. Ahmed's article (dated January 22, 2015). For example, the MDDS program was not a 'sensitive' program as stated by Dr. Ahmed; it was an Unclassified program that funded universities in the US. Furthermore, Sergey Brin never reported to me or to Dr. Rick Steinheiser; he only gave presentations to us during our visits to the Department of Computer Science at Stanford during the 1990s. Also, MDDS never funded Google; it funded Stanford University."

Here, there is no substantive factual difference in Thuraisingham's accounts, other than to assert that her statement associating Sergey Brin with the development of 'query flocks' is mistaken. Notably, this acknowledgement is derived not from her own knowledge, but from this very article quoting a comment from a Google spokesperson.

However, the bizarre attempt to disassociate Google from the MDDS program misses the mark. Firstly, the MDDS never funded Google, because during the development of the core components of the Google search engine, there was no company incorporated with that name. The grant was instead provided to Stanford University through Prof. Ullman, through whom some MDDS funding was used to support Brin who was co-developing Google at the time. Secondly, Thuraisingham then adds that Brin never "reported" to her or the

CIA's Steinheiser, but admits he "gave presentations to us during our visits to the Department of Computer Science at Stanford during the 1990s." It is unclear, though, what the distinction is here between reporting, and delivering a detailed presentation—either way, **Thuraisingham confirms that she and the CIA had taken a keen interest in Brin's development of Google.** Thirdly, Thuraisingham describes the MDDS program as "unclassified," but this does not contradict its "sensitive" nature. As someone who has worked for decades as an intelligence contractor and advisor, Thuraisingham is surely aware that there are many ways of categorizing intelligence, including 'sensitive but unclassified.' A number of former US intelligence officials I spoke to said that the **almost total lack of public information on the CIA and NSA's MDDS initiative** suggests that although the program was not classified, it is likely instead that its contents were considered sensitive, which would explain efforts to minimise transparency about the program and the way it fed back into developing tools for the US intelligence community. Fourthly, and finally, it is important to point out that the MDDS abstract which Thuraisingham includes in her University of Texas document states clearly not only that the Director of Central Intelligence's CMS, CIA and NSA were the overseers of the MDDS initiative, but that the intended customers of the project were "DoD, IC, and other government organizations": the Pentagon, the US intelligence community, and other relevant US government agencies.

In other words, the provision of MDDS funding to Brin through Ullman, under the oversight of Thuraisingham and Steinheiser, was fundamentally because they recognized the potential utility of Brin's work developing Google to the Pentagon, intelligence community, and the federal government at large.

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The MDDS programme is actually referenced in several papers co-authored by Brin and Page while at Stanford, specifically highlighting its role in financially sponsoring Brin in the development of Google. In their 1998 [paper](#) published in the *Bulletin of the IEEE Computer Society Technical Committee on Data Engineering*, they describe the automation of methods to extract information from the web via "Dual Iterative Pattern Relation Extraction," the development of "a global ranking of Web pages called PageRank," and the use of PageRank "to develop a novel search engine called Google." Through an opening footnote, Sergey Brin confirms he was "Partially supported by the Community Management Staff's Massive Digital Data Systems Program, NSF grant IRI-96-31952"—confirming that Brin's work developing Google was indeed partly-funded by the CIA-NSA-MDDS program.

This NSF grant identified alongside the MDDS, whose project report [lists Brin](#) among the students supported (without mentioning the MDDS), was different to the [NSF grant to Larry Page](#) that included funding from [DARPA and NASA](#). The project report, authored by Brin's supervisor Prof. Ullman, goes on to say under the section 'Indications of Success' that "there are some new stories of startups based on NSF-supported research." Under 'Project Impact,' the report remarks: "Finally, the google project has also gone commercial as Google.com."

Thuraisingham's account, including her new amended version, therefore demonstrates that the CIA-NSA-MDDS program was not only partly funding Brin throughout his work with Larry Page developing Google, but that senior US intelligence representatives including a CIA official oversaw the evolution of Google in this pre-launch phase, all the way until the company was ready to be officially founded. Google, then, had been enabled with a "significant" amount of seed-funding and oversight from the Pentagon: namely, the CIA, NSA, and DARPA.

The DoD could not be reached for comment.

When I asked Prof. Ullman to confirm whether or not Brin was partly funded under the intelligence community's MDDS program, and whether Ullman was aware that Brin was regularly briefing the CIA's Rick Steinheiser on his progress in developing the Google search engine, Ullman's responses were evasive: "May I know whom you represent and why you are interested in these issues? Who are your 'sources'?" He also denied that Brin played a significant role in developing the 'query flocks' system, although it is clear from Brin's papers that he did draw on that work in co-developing the PageRank system with Page.

When I asked Ullman whether he was denying the **US intelligence community's role in supporting Brin during the development of Google**, he said: "I am not going to dignify this nonsense with a denial. If you won't explain what your theory is, and what point you are trying to make, I am not going to help you in the slightest."

The [MDDS abstract](#) published online at the University of Texas confirms that the rationale for the CIA-NSA project was to “provide seed money to develop data management technologies which are of high-risk and high-pay-off,” including techniques for “querying, browsing, and filtering; transaction processing; accesses methods and indexing; metadata management and data modelling; and integrating heterogeneous databases; as well as developing appropriate architectures.” The ultimate vision of the program was to “provide for the seamless access and fusion of massive amounts of data, information and knowledge in a heterogeneous, real-time environment” for use by the Pentagon, intelligence community and potentially across government.

These revelations corroborate the claims of Robert Steele, former senior CIA officer and a founding civilian deputy director of the Marine Corps Intelligence Activity, whom I interviewed for *The Guardian* last year on open source intelligence. Citing sources at the CIA, Steele had [said](#) in 2006 that Steinheiser, an old colleague of his, was the CIA’s main liaison at Google and had arranged early funding for the pioneering IT firm. At the time, *Wired* founder John Batelle managed to get this official [denial](#) from a Google spokesperson in response to Steele’s assertions:

“The statements related to Google are completely untrue.”

This time round, despite multiple requests and conversations, a Google spokesperson declined to comment.

UPDATE: As of 5.41PM GMT [22nd Jan 2015], Google’s director of corporate communication got in touch and asked me to include the following statement:

“Sergey Brin was not part of the Query Flocks Program at Stanford, nor were any of his projects funded by US Intelligence bodies.”

This is what I wrote back:

*My response to that statement would be as follows: Brin himself in his own paper acknowledges funding from the Community Management Staff of the **Massive Digital Data Systems (MDDS) initiative**, which was supplied through the **NSF**. The MDDS was an **intelligence community program set up by the CIA and NSA**. I also have it on record, as noted in the piece, from Prof. Thuraingham of University of Texas that she managed the MDDS program on behalf of the US intelligence community, and that her and the **CIA’s Rick Steinheiser met Brin every three months or so for two years to be briefed on his progress developing Google and PageRank**. Whether Brin worked on query flocks or not is neither here nor there.*

In that context, you might want to consider the following questions:

- 1) Does Google deny that Brin’s work was part-funded by the MDDS via an NSF grant?*
- 2) Does Google deny that Brin reported regularly to Thuraingham and Steinheiser from around 1996 to 1998 until September that year when he presented the Google search engine to them?*

Total Information Awareness

A call for papers for the MDDS was sent out via [email list](#) on **November 3rd 1993** from senior US intelligence official David Charvonia, director of the research and development coordination office of the intelligence community’s CMS. The reaction from Tatu Ylonen (celebrated inventor of the widely used secure shell [SSH] data protection protocol) to his colleagues on the email list is telling: “Crypto relevance? Makes you think whether you should protect your data.” The email also confirms that defense contractor and Highlands Forum partner, SAIC, was managing the MDDS [submission](#) process, with abstracts to be sent to Jackie Booth of the CIA’s Office of Research and Development via a SAIC email address.

By 1997, Thuraingham reveals, **shortly before Google became incorporated** and while she was still overseeing the development of its search engine software at Stanford, her thoughts turned to the national security applications of the MDDS program. In the acknowledgements to her book, *Web Data Mining and Applications in Business Intelligence and Counter-Terrorism (2003)*, Thuraingham writes that she and "Dr. Rick Steinheiser of the CIA, began discussions with **Defense Advanced Research Projects Agency on applying data-mining for counter-terrorism,**" an idea that resulted directly from the MDDS program which partly funded Google. "These discussions eventually developed into the current EELD (Evidence Extraction and Link Detection) program at DARPA."

So the very same senior CIA official and CIA-NSA contractor involved in providing the seed-funding for Google were simultaneously contemplating the role of **data-mining for counter-terrorism** purposes, and were developing ideas for tools **actually advanced by DARPA.**

Today, as illustrated by her recent oped in the *New York Times*, Thuraingham remains a staunch advocate of data-mining for counter-terrorism purposes, but also insists that these methods must be developed by government in cooperation with civil liberties lawyers and privacy advocates to ensure that robust procedures are in place to prevent potential abuse. She points out, damningly, that with the quantity of information being collected, there is a high risk of false positives.

In 1993, when the **MDDS** program was launched and **managed by MITRE Corp. on behalf of the US intelligence** community, University of Virginia computer scientist **Dr. Anita K. Jones**—a MITRE trustee—landed the job of **DARPA director** and head of research and engineering across the Pentagon. She had been on the board of MITRE since 1988. From 1987 to 1993, **Jones simultaneously served on SAIC's board of directors.** As the new head of DARPA from 1993 to 1997, she also **co-chaired the Pentagon's Highlands Forum** during the period of Google's pre-launch development at Stanford under the MDSS.

Thus, when Thuraingham and Steinheiser were **talking to DARPA** about the counter-terrorism applications of MDDS research, Jones was DARPA director and Highlands Forum co-chair. That year, Jones left DARPA to return to her post at the University of Virginia. The following year, she joined the board of the National Science Foundation, which of course had also just funded Brin and Page, and also returned to the board of SAIC. When she left DoD, Senator Chuck Robb paid Jones the following **tribute** : "She brought the **technology and operational military communities together to design detailed plans to sustain US dominance** on the battlefield into the next century."

Dr. Anita Jones, **head of DARPA** from 1993–1997, and co-chair of the Pentagon Highlands Forum from 1995–1997, during which officials in charge of the CIA-NSA-MDSS program were funding Google, and in communication with DARPA about data-mining for counterterrorism

On the **board** of the National Science Foundation from 1992 to 1998 (including a stint as chairman from 1996) was Richard N. Zare. This was the period in which the NSF sponsored Sergey Brin and Larry Page in association with **DARPA.** In June 1994, Prof. Zare, a chemist at Stanford, participated with Prof. Jeffrey Ullman (who supervised Sergey Brin's research), on a **panel** sponsored by Stanford and the National Research Council discussing the need for scientists to show how their work "ties to national needs." The panel brought together scientists and policymakers, including "Washington insiders."

DARPA's EELD program, inspired by the work of Thuraingham and Steinheiser under Jones' watch, was rapidly adapted and integrated with a suite of tools to conduct comprehensive surveillance under the Bush administration.

According to DARPA official **Ted Senator**, who led the EELD program for the agency's short-lived Information Awareness Office, EELD was among a range of "promising techniques" being prepared for integration "into the prototype TIA system." TIA stood for **Total Information Awareness**, and was the main global **electronic eavesdropping and data-mining program** deployed by the Bush administration after 9/11. TIA had been set up by Iran-Contra conspirator Admiral John Poindexter, who was appointed in 2002 by Bush to lead DARPA's new Information Awareness Office.

The Xerox Palo Alto Research Center (PARC) was another contractor among 26 companies (also including SAIC) that received million dollar contracts from DARPA (the specific quantities remained classified) under

Poindexter, to push forward the TIA surveillance program in 2002 onwards. The research included "behaviour-based profiling," "automated detection, identification and tracking" of terrorist activity, among other data-analyzing projects. At this time, PARC's director and chief scientist was John Seely Brown. Both Brown and Poindexter were Pentagon Highlands Forum participants—Brown on a regular basis until recently.

TIA was purportedly shut down in 2003 due to public opposition after the program was exposed in the media, but the following year Poindexter participated in a Pentagon Highlands Group session in Singapore, alongside defense and security officials from around the world. Meanwhile, Ted Senator continued to manage the EELD program among other data-mining and analysis projects at DARPA until 2006, when he left to become a vice president at SAIC. He is now a SAIC/Leidos technical fellow.

Google, DARPA and the money trail

Long before the appearance of Sergey Brin and Larry Page, Stanford University's computer science department had a close working relationship with US military intelligence. A [letter](#) dated November 5th 1984 from the office of renowned **artificial intelligence** (AI) expert, Prof Edward Feigenbaum, addressed to Rick Steinheiser, gives the latter directions to Stanford's **Heuristic Programming Project**, addressing Steinheiser as a member of the "AI Steering Committee." A [list](#) of attendees at a contractor conference around that time, sponsored by the Pentagon's Office of Naval Research (ONR), includes Steinheiser as a delegate under the designation "OPNAV Op-115"—which refers to the Office of the Chief of Naval Operations' program on operational readiness, which played a major role in advancing digital systems for the military.

From the 1970s, Prof. Feigenbaum and his colleagues had been running Stanford's Heuristic Programming Project under [contract](#) with DARPA, [continuing](#) through to the 1990s. Feigenbaum alone had received around [over \\$7 million](#) in this period for his work from DARPA, along with other funding from the NSF, NASA, and ONR.

Brin's supervisor at Stanford, Prof. Jeffrey Ullman, was in 1996 part of a joint funding project of DARPA's Intelligent Integration of Information [program](#). That year, Ullman co-chaired DARPA-sponsored meetings on data exchange between multiple systems.

In September 1998, the same month that Sergey Brin briefed US intelligence representatives Steinheiser and Thuraisingham, tech entrepreneurs **Andreas Bechtolsheim and David Cheriton** invested **\$100,000 each in Google**. **Both investors were connected to DARPA.**

As a Stanford PhD student in electrical engineering in the 1980s, Bechtolsheim's pioneering SUN workstation project had been [funded](#) by DARPA and the Stanford computer science department—this research was the foundation of Bechtolsheim's establishment of **Sun Microsystems**, which he co-founded with William Joy.

As for Bechtolsheim's co-investor in Google, David Cheriton, the latter is a long-time **Stanford** computer science professor who has an even more **entrenched relationship with DARPA**. His [bio](#) at the University of Alberta, which in November 2014 awarded him an honorary science doctorate, says that Cheriton's "research has received the support of the US Defense Advanced Research Projects Agency (DARPA) for over 20 years."

In the meantime, Bechtolsheim left Sun Microsystems in 1995, co-founding Granite Systems with his fellow Google investor Cheriton as a partner. They **sold Granite to Cisco Systems** in 1996, retaining significant ownership of Granite, and becoming senior Cisco executives.

An email obtained from the Enron Corpus (a database of 600,000 emails acquired by the Federal Energy Regulatory Commission and later released to the public) from Richard O'Neill, inviting Enron executives to participate in the Highlands Forum, shows that **Cisco and Granite executives are intimately connected to the Pentagon**. The email reveals that in May 2000, Bechtolsheim's partner and Sun Microsystems co-founder, William Joy—who was then chief scientist and corporate executive officer there—had attended the Forum to discuss **nanotechnology and molecular computing**.

In 1999, Joy had also co-chaired the **President's Information Technology Advisory Committee**, overseeing a report acknowledging that DARPA had:

"... revised its priorities in the 90's so that all information technology funding was judged in terms of its benefit to the warfighter."

Throughout the 1990s, then, DARPA's funding to Stanford, including Google, was explicitly about developing technologies that could **augment** the Pentagon's military intelligence operations in war theatres.

The Joy report recommended more federal government funding from the Pentagon, NASA, and other agencies to the IT sector. Greg Papadopoulos, another of Bechtolsheim's colleagues as then Sun Microsystems chief technology officer, also attended a Pentagon Highlands' Forum meeting in September 2000.

In November, the Pentagon Highlands Forum hosted Sue Bostrom, who was vice president for the internet at Cisco, sitting on the company's board alongside Google co-investors Bechtolsheim and Cheriton. The Forum also hosted Lawrence Zuriff, then a managing partner of Granite, which Bechtolsheim and Cheriton had sold to Cisco. Zuriff had previously been an SAIC contractor from 1993 to 1994, working with the Pentagon on national security issues, specifically for Marshall's Office of Net Assessment. In 1994, both the SAIC and the ONA were, of course, involved in co-establishing the Pentagon Highlands Forum. Among Zuriff's output during his SAIC tenure was a paper titled **'Understanding Information War'**, delivered at a SAIC-sponsored US Army Roundtable on the Revolution in Military Affairs.

After **Google's incorporation**, the company received \$25 million in equity funding in 1999 led by **Sequoia Capital** and Kleiner Perkins Caufield & Byers. According to *Homeland Security Today*, **"A number of Sequoia-bankrolled start-ups have contracted with the Department of Defense**, especially after 9/11 when Sequoia's Mark Kvamme met with Defense Secretary Donald Rumsfeld to discuss the application of emerging technologies to warfighting and intelligence collection." Similarly, Kleiner Perkins had developed "a close relationship" with **In-Q-Tel, the CIA venture capitalist** firm that funds start-ups "to advance 'priority' technologies of value" to the intelligence community.

John Doerr, who led the Kleiner Perkins investment in Google obtaining a board position, was a major early investor in Bechtolsheim's Sun Microsystems at its launch. He and his wife Anne are the main funders behind Rice University's Center for Engineering Leadership (RCEL), which in 2009 **received \$16 million from DARPA** for its platform-aware-compilation-environment (PACE) ubiquitous computing R&D program. Doerr also has a close relationship with the Obama administration, which he advised shortly after it took power to **ramp up Pentagon funding to the tech industry**. In 2013, at the Fortune Brainstorm TECH **conference**, Doerr applauded **"how the DoD's DARPA funded GPS, CAD, most of the major computer science departments, and of course, the Internet."**

From inception, in other words, **Google was incubated, nurtured and financed by interests that were directly affiliated or closely aligned with the US military intelligence community**: many of whom were embedded in the Pentagon Highlands Forum.

Google captures the Pentagon

In 2003, Google began customizing its search engine under **special contract** with the CIA for its Intelink Management Office, **"overseeing top-secret, secret and sensitive but unclassified intranets for CIA** and other IC agencies," according to *Homeland Security Today*. That year, **CIA funding** was also being "quietly" funneled through the **National Science Foundation** to projects that might help create "new capabilities to combat terrorism through advanced technology."

The following year, Google bought the firm **Keyhole**, which had originally been funded by In-Q-Tel. Using Keyhole, Google began developing the **advanced satellite mapping software behind Google Earth**. Former DARPA director and Highlands Forum co-chair **Anita Jones** had been on the **board** of In-Q-Tel at this time, and remains so today.

Then in November 2005, **In-Q-Tel issued notices to sell \$2.2 million of Google stocks**. Google's relationship with US intelligence was further brought to light when an **IT contractor** told a closed Washington DC conference of intelligence professionals on a not-for-attribution basis that at least one US intelligence agency was working to **"leverage Google's [user] data monitoring"** capability as part of an effort to acquire data of "national security intelligence interest."

A [photo](#) on [Flickr](#) dated March 2007 reveals that Google research director and [AI expert](#) Peter Norvig attended a Pentagon Highlands Forum meeting that year in Carmel, California. Norvig's intimate connection to the Forum as of that year is also corroborated by his role in [guest editing](#) the 2007 Forum reading list.

The photo below shows Norvig in conversation with [Lewis Shepherd](#), who at that time was senior technology officer at the [Defense Intelligence Agency](#), [responsible for](#) investigating, approving, and architecting "all new hardware/software systems and acquisitions for the [Global Defense Intelligence IT Enterprise](#)," including "big data technologies." Shepherd [now works at Microsoft](#). Norvig was a computer research scientist at Stanford University in 1991 before joining Bechtolsheim's Sun Microsystems as senior scientist until 1994, and going on to head up NASA's computer science division.

Lewis Shepherd (left), then a senior technology officer at the Pentagon's Defense Intelligence Agency, talking to Peter Norvig (right), renowned expert in artificial intelligence expert and director of research at Google. This photo is from a Highlands Forum meeting in 2007.

Norvig shows up on O'Neill's [Google Plus profile](#) as one of his close connections. Scoping the rest of O'Neill's Google Plus connections illustrates that he is directly connected not just to a wide range of Google executives, but also to some of the [biggest names in the US tech community](#).

Those connections include Michele Weslander Quaid, [an ex-CIA contractor](#) and former senior Pentagon intelligence official who is [now Google's chief technology](#) officer where she is developing [programs](#) to "best fit government agencies' needs"; Elizabeth Churchill, Google director of user experience; James Kuffner, a humanoid robotics expert who now heads up Google's robotics division and who introduced the term 'cloud robotics'; Mark Drapeau, director of innovation engagement for [Microsoft's public sector business](#); Lili Cheng, general manager of Microsoft's Future Social Experiences (FUSE) Labs; Jon Udell, Microsoft 'evangelist'; Cory Ondrejka, vice president of engineering at Facebook; to name just a few.

In 2010, [Google](#) signed a multi-billion dollar [no-bid contract](#) with the NSA's sister agency, the [National Geospatial-Intelligence Agency \(NGA\)](#). The contract was to [use Google Earth](#) for visualization services for the NGA. Google had developed the software behind Google Earth by [purchasing Keyhole from the CIA venture firm In-Q-Tel](#).

Then a year after, in 2011, another of O'Neill's Google Plus connections, Michele Quaid—who had served in executive positions at the NGA, [National Reconnaissance Office](#) and the Office of the Director of National Intelligence—left her government role to become Google 'innovation evangelist' and the point-person for seeking government contracts. Quaid's last role before her move to Google was as a senior representative of the Director of National Intelligence to the Intelligence, Surveillance, and Reconnaissance Task Force, and a senior advisor to the undersecretary of defense for intelligence's director of Joint and Coalition Warfighter Support (J&CWS). Both roles involved information operations at their core. Before her Google move, in other words, Quaid worked closely with the Office of the Undersecretary of Defense for Intelligence, to which the Pentagon's Highlands Forum is subordinate. Quaid has herself attended the Forum, though precisely when and how often I could not confirm.

In March 2012, then [DARPA director Regina Dugan](#)—who in that capacity was also co-chair of the Pentagon Highlands Forum—[followed her colleague Quaid into Google](#) to lead the company's new [Advanced Technology and Projects Group](#). During her Pentagon tenure, Dugan led on strategic cyber security and social media, among other initiatives. She was responsible for focusing "an increasing portion" of DARPA's work "on the investigation of offensive capabilities to address military-specific needs," securing [\\$500 million](#) of government funding for [DARPA cyber research from 2012 to 2017](#).

By November 2014, Google's [chief AI and robotics expert James Kuffner](#) was a delegate alongside O'Neill at the Highlands [Island Forum 2014](#) in Singapore, to explore 'Advancement in Robotics and Artificial Intelligence: Implications for Society, Security and Conflict.' The event included 26 [delegates](#) from Austria, Israel, Japan, Singapore, Sweden, Britain and the US, from both industry and government. Kuffner's association with the Pentagon, however, began much earlier. In 1997, Kuffner was a researcher during his Stanford PhD for a [Pentagon-funded](#) project on networked [autonomous mobile robots](#), sponsored by DARPA and the US Navy.

Rumsfeld and persistent surveillance

In sum, many of Google's most senior executives are affiliated with the Pentagon Highlands Forum, which throughout the period of Google's growth over the last decade, has surfaced repeatedly as a connecting and convening force. The US intelligence community's incubation of Google from inception occurred through a combination of direct sponsorship and informal networks of financial influence, themselves closely aligned with Pentagon interests.

The Highlands Forum itself has used the informal relationship building of such private networks to bring together defense and industry sectors, enabling the fusion of corporate and military interests in expanding the covert surveillance apparatus in the name of national security. The **power wielded by the shadow network** represented in the Forum can, however, be gauged most clearly from its impact during the **Bush administration**, when it played a **direct role** in literally writing the strategies and doctrines behind US efforts to achieve **'information superiority.'**

In December 2001, O'Neill **confirmed** that strategic discussions at the Highlands Forum were feeding directly into Andrew Marshall's DoD-wide strategic review ordered by President Bush and Donald Rumsfeld to upgrade the military, including the Quadrennial Defense Review—and that some of the earliest Forum meetings "resulted in the writing of a group of DoD policies, strategies, and doctrine for the services on information warfare." That process of "writing" the Pentagon's information warfare policies "was done in conjunction with people who understood the environment differently—not only US citizens, but also foreign citizens, and people who were developing corporate IT."

The Pentagon's post-9/11 information warfare doctrines were, then, written not just by national security officials from the US and abroad: but also by powerful corporate entities in the defense and technology sectors.

In April that year, Gen. James McCarthy had completed his defense transformation **review** ordered by Rumsfeld. His report repeatedly highlighted mass surveillance as integral to DoD transformation. As for Marshall, his follow-up **report** for Rumsfeld was going to develop a blueprint determining the Pentagon's future in the 'information age.'

O'Neill also affirmed that to develop information warfare doctrine, the Forum had held **extensive discussions** on electronic surveillance and "what constitutes an act of war in an information environment." Papers feeding into **US defense policy written through the late 1990s by RAND consultants** John Arquilla and David Rondfeldt, both longstanding Highlands Forum members, were produced "as a result of those meetings," exploring policy dilemmas on how far to take the goal of 'Information Superiority.' "One of the things that was shocking to the American public was that we weren't pilfering Milosevic's accounts electronically when we in fact could," commented O'Neill.

Although the R&D process around the Pentagon transformation strategy remains classified, a hint at the DoD discussions going on in this period can be gleaned from a 2005 US Army School of Advanced Military Studies research monograph in the DoD journal, *Military Review*, authored by an active Army intelligence officer.

"The idea of **Persistent Surveillance** as a transformational capability has circulated within the national Intelligence Community (IC) and the Department of Defense (DoD) for at least three years," the paper said, referencing the Rumsfeld-commissioned transformation study.

The Army paper went on to review a range of high-level official military documents, including one from the Office of the Chairman of the Joint Chiefs of Staff, showing that "Persistent Surveillance" was a fundamental theme of the **information-centric vision** for defense policy across the Pentagon.

We now know that just two months before O'Neill's address at Harvard in 2001, under the TIA program, President Bush had **secretly authorized** the NSA's domestic surveillance of Americans without court-approved warrants, in what appears to have been an illegal modification of the ThinThread data-mining project—as later **exposed** by NSA whistleblowers William Binney and Thomas Drake.

The surveillance-startup nexus

From here on, Highlands Forum partner SAIC played a key role in the NSA roll out from inception. Shortly after 9/11, **Brian Sharkey**, chief technology officer of **SAIC's ELS3 Sector** (focusing on IT systems for emergency responders), teamed up with John Poindexter to propose the TIA surveillance program.

SAIC's [Sharkey](#) had previously been deputy director of the [Information Systems Office](#) at DARPA through the 1990s.

Meanwhile, around the same time, SAIC vice president for corporate development, [Samuel Visner](#), became head of the NSA's signals-intelligence programs. SAIC was then among a consortium receiving a \$280 million contract to develop one of the NSA's secret eavesdropping systems. By 2003, Visner returned to SAIC to become director of strategic planning and business development of the firm's intelligence group.

That year, the NSA consolidated its [TIA](#) programme of warrantless electronic surveillance, to keep "track of individuals" and understand "how they fit into models" through risk profiles of American citizens and foreigners. TIA was doing this by integrating databases on finance, travel, medical, educational and other records into a "virtual, centralized grand database."

This was also the year that the Bush administration drew up its notorious [Information Operations Roadmap](#). Describing the internet as a "vulnerable weapons system," Rumsfeld's IO roadmap had advocated that Pentagon strategy "should be based on the premise that the Department [of Defense] will 'fight the net' as it would an enemy weapons system." The US should seek "maximum control" of the "full spectrum of globally emerging communications systems, sensors, and weapons systems," advocated the document.

The following year, [John Poindexter](#), who had proposed and run the TIA surveillance program via his post at DARPA, was in Singapore participating in the Highlands 2004 [Island Forum](#). Other delegates included then Highlands Forum co-chair and Pentagon CIO Linton Wells; president of notorious Pentagon information warfare contractor, John Rendon; Karl Lowe, director of the Joint Forces Command (JFCOM) Joint Advanced Warfighting Division; Air Vice Marshall Stephen Dalton, capability manager for information superiority at the UK Ministry of Defense; Lt. Gen. Johan Kihl, Swedish army Supreme Commander HQ's chief of staff; among others.

As of 2006, SAIC had been awarded a multi-million dollar NSA contract to develop a big data-mining project called [Executelocus](#), despite the colossal \$1 billion failure of its preceding contract, known as 'Trailblazer.' Core components of TIA were being "quietly continued" under "new code names," according to *Foreign Policy's* [Shane Harris](#), but had been concealed "behind the veil of the classified intelligence budget." The new surveillance program had by then been fully transitioned from DARPA's jurisdiction to the NSA.

This was also the year of yet another [Singapore Island Forum](#) led by Richard O'Neill on behalf of the Pentagon, which included senior defense and industry officials from the US, UK, Australia, France, India and Israel. Participants also included senior technologists from Microsoft, IBM, as well as [Gilman Louie](#), partner at technology investment firm [Alsop Louie Partners](#).

[Gilman Louie](#) is a former CEO of In-Q-Tel—the CIA firm investing especially in start-ups developing data mining technology. In-Q-Tel was founded in 1999 by the CIA's Directorate of Science and Technology, under which the Office of Research and Development (ORD)—which was part of the Google-funding MDSS program—had operated. The idea was to essentially replace the functions once performed by the ORD, by mobilizing the private sector to develop information technology solutions for the entire intelligence community.

Louie had led In-Q-Tel from 1999 until January 2006—including when Google bought Keyhole, the In-Q-Tel-funded satellite mapping software. Among his colleagues on In-Q-Tel's board in this period were former DARPA director and Highlands Forum co-chair Anita Jones (who is still there), as well as founding board member [William Perry](#): the man who had appointed O'Neill to set-up the Highlands Forum in the first place. Joining Perry as a founding In-Q-Tel board member was John Seely Brown, then **chief scientist at Xerox Corp** and director of its **Palo Alto Research Center** (PARC) from 1990 to 2002, who is also a long-time senior Highlands Forum member since inception.

In addition to the CIA, In-Q-Tel has also been backed by the FBI, NGA, and Defense Intelligence Agency, among other agencies. More than 60 percent of In-Q-Tel's investments under Louie's watch were "in companies that **specialize in automatically collecting, sifting through and understanding oceans of information,**" according to Medill School of Journalism's [News21](#), which also noted that Louie himself had acknowledged **it was not clear "whether privacy and civil liberties will be protected" by government's use of these technologies "for national security."**

The [transcript](#) of Richard O'Neill's late 2001 seminar at Harvard shows that the Pentagon Highlands Forum had first engaged Gilman Louie long before the Island Forum, in fact, shortly after 9/11 to explore "what's going on with In-Q-Tel." That Forum session focused on how to "take advantage of the speed of the commercial market that wasn't present inside the science and technology community of Washington" and to understand "the implications for the DoD in terms of the strategic review, the QDR, Hill action, and the stakeholders." Participants of the meeting included "senior military people," combatant commanders, "several of the senior flag officers," some "defense industry people" and various US representatives including Republican Congressman William Mac Thornberry and Democrat Senator Joseph Lieberman.

Both Thornberry and Lieberman are staunch supporters of NSA surveillance, and have consistently acted to rally support for pro-war, pro-surveillance legislation. O'Neill's comments indicate that the Forum's role is not just to enable corporate contractors to write Pentagon policy, but to rally political support for government policies adopted through the **Forum's informal brand of shadow networking**.

Repeatedly, O'Neill told his Harvard audience that his job as Forum president was to scope case studies from real companies across the private sector, like eBay and **Human Genome Sciences**, to figure out the basis of US 'Information Superiority'—"how to dominate" the information market—and leverage this for "what the president and the secretary of defense wanted to do with regard to transformation of the DoD and the strategic review."

By 2007, a year after the Island Forum meeting that included Gilman Louie, **Facebook received its second round of \$12.7 million worth of funding from Accel Partners. Accel was headed up by James Breyer, former chair of the National Venture Capital Association (NVCA)** where [Louie also served](#) on the board while still CEO of In-Q-Tel. Both Louie and Breyer had previously served together on the board of [BBN Technologies](#)—which had recruited ex-DARPA chief and In-Q-Tel trustee Anita Jones.

Facebook's 2008 round of funding was led by **Greylock Venture Capital**, which invested \$27.5 million. The firm's senior partners include Howard Cox, another former NVCA chair who also [sits on the board](#) of In-Q-Tel. Apart from Breyer and Zuckerberg, Facebook's only other board member is **Peter Thiel, co-founder of defense contractor Palantir** which provides all sorts of data-mining and visualization technologies to US government, military and intelligence agencies, including the [NSA and FBI](#), and which itself was nurtured to financial viability by Highlands Forum members.

Palantir co-founders Thiel and Alex Karp met with John Poindexter in 2004, according to *Wired*, the same year Poindexter had attended the Highlands Island Forum in Singapore. They met at the home of Richard Perle, another Andrew Marshall acolyte. Poindexter helped Palantir open doors, and to assemble "a legion of advocates from the most influential strata of government." Thiel had also met with Gilman Louie of In-Q-Tel, securing the backing of the CIA in this early phase.

And so we come full circle. Data-mining programs like [ExecuteLocus](#) and projects linked to it, which were developed throughout this period, apparently laid the groundwork for the new NSA programmes eventually disclosed by Edward Snowden. By 2008, as Facebook received its next funding round from Greylock Venture Capital, documents and whistleblower testimony confirmed that the NSA was effectively [resurrecting the TIA project](#) with a focus on Internet data-mining via comprehensive monitoring of e-mail, text messages, and Web browsing.

We also now know thanks to Snowden that the NSA's [XKeyscore](#) 'Digital Network Intelligence' exploitation system was designed to allow analysts to search not just Internet databases like emails, online chats and browsing history, but also telephone services, mobile phone audio, financial transactions and global air transport communications—essentially the entire global telecommunications grid. Highlands Forum partner SAIC played a key role, among other contractors, in [producing](#) and [administering](#) the NSA's XKeyscore, and was recently implicated in [NSA hacking](#) of the privacy network Tor.

The Pentagon Highlands Forum was therefore intimately involved in all this as a convening network—but also quite directly. Confirming his pivotal role in the expansion of the US-led global surveillance apparatus, then Forum co-chair, Pentagon CIO Linton Wells, told [FedTech magazine](#) in 2009 that he had overseen the NSA's roll out of "an impressive long-term architecture last summer that will provide increasingly sophisticated security until 2015 or so."

The Goldman Sachs connection

When I asked Wells about the Forum's role in influencing US mass surveillance, he responded only to say he would prefer not to comment and that he no longer leads the group.

As Wells is no longer in government, this is to be expected—but he is still connected to Highlands. As of September 2014, after delivering his influential white paper on Pentagon transformation, he joined the Monterey Institute for International Studies (MIIS) Cyber Security Initiative (CySec) as a distinguished senior fellow.

Sadly, this was not a form of trying to keep busy in retirement. Wells' move underscored that the Pentagon's conception of information warfare is not just about surveillance, but about [the exploitation of surveillance to influence both government and public opinion](#).

The MIIS CySec initiative is now [formally partnered](#) with the Pentagon Highlands Forum through a [Memorandum of Understanding](#) signed with MIIS provost [Dr Amy Sands](#), who sits on the Secretary of State's International Security Advisory Board. The MIIS CySec website states that the MoU signed with Richard O'Neill:

"... paves the way for future joint MIIS CySec-Highlands Group sessions that will explore the impact of technology on security, [peace](#) and information engagement. For nearly 20 years the Highlands Group has engaged private sector and government leaders, including the Director of National Intelligence, DARPA, Office of the Secretary of Defense, Office of the Secretary of Homeland Security and the Singaporean Minister of Defence, in creative conversations to frame policy and technology research areas."

Who is the financial benefactor of the [new Pentagon Highlands-partnered MIIS CySec initiative](#)? According to the MIIS CySec [site](#), the initiative was launched "through a generous donation of seed funding from George Lee." [George C. Lee is a senior partner at Goldman Sachs](#), where he is chief information officer of the investment banking division, and chairman of the [Global Technology, Media and Telecom](#) (TMT) Group.

But here's the kicker. In 2011, it was Lee who engineered [Facebook's \\$50 billion valuation](#), and previously handled deals for other Highlands-connected tech giants like Google, Microsoft and eBay. Lee's then boss, Stephen Friedman, a former CEO and chairman of Goldman Sachs, and later senior partner on the firm's executive board, was a also founding [board member](#) of In-Q-Tel alongside Highlands Forum overlord William Perry and Forum member John Seely Brown.

In 2001, Bush appointed Stephen Friedman to the President's Intelligence Advisory Board, and then to chair that board from 2005 to 2009. Friedman previously served alongside Paul Wolfowitz and others on the 1995–6 presidential commission of inquiry into US intelligence capabilities, and in 1996 on the [Jeremiah Panel](#) that produced a report to the Director of the National Reconnaissance Office (NRO)—one of the surveillance agencies plugged into the Highlands Forum. Friedman was on the Jeremiah Panel with Martin Faga, then senior vice president and general manager of MITRE Corp's Center for Integrated Intelligence Systems—where Thuraisingham, who managed the CIA-NSA-MDDS program that inspired DARPA counter-terrorist data-mining, was also a lead engineer.

In the footnotes to a chapter for the book, *Cyberspace and National Security* (Georgetown University Press), SAIC/Leidos executive Jeff Cooper reveals that another Goldman Sachs senior partner Philip J. Venables—who as chief information risk officer leads the firm's programs on information security—delivered a Highlands Forum presentation in 2008 at what was called an 'Enrichment Session on Deterrence.' Cooper's chapter draws on Venables' presentation at Highlands "with permission." In 2010, Venables participated with his then boss Friedman at an [Aspen Institute](#) meeting on the world economy. For the last few years, [Venables](#) has also sat on [various NSA cybersecurity award](#) review boards.

In sum, the investment firm responsible for creating the billion dollar fortunes of the tech sensations of the 21st century, from Google to Facebook, is intimately linked to the US military intelligence community; with Venables, Lee and Friedman either directly connected to the Pentagon Highlands Forum, or to senior members of the Forum.

Fighting terror with terror

The convergence of these powerful [financial and military interests](#) around the Highlands Forum, through George Lee's sponsorship of the Forum's new partner, the MIIS Cysec initiative, is revealing in itself.

MIIS Cysec's director, Dr, Itamara Lochard, has long been embedded in Highlands. She regularly "presents current research on [non-state groups, governance, technology and conflict](#) to the US Office of the Secretary of Defense Highlands Forum," according to her [Tufts University](#) bio. [She also](#), "regularly advises US combatant commanders" and specializes in studying the use of information technology by "violent and non-violent sub-state groups."

Dr Itamara Lochard is a senior Highlands Forum member and Pentagon information operations expert. She directs the MIIS CyberSec initiative that now supports the Pentagon Highlands Forum with funding from Goldman Sachs partner George Lee, who led the valuations of Facebook and Google.

Dr Lochard maintains a comprehensive [database of 1,700 non-state groups including "insurgents, militias, terrorists, complex criminal organizations, organized gangs, malicious cyber actors and strategic non-violent actors,"](#) to analyze their "organizational patterns, areas of cooperation, strategies and tactics." Notice, here, the mention of "[strategic non-violent actors](#)"—which perhaps covers NGOs and other groups or organizations engaged in social political activity or campaigning, judging by the focus of [other](#) DoD research programs.

As of 2008, Lochard has been an adjunct professor at the US Joint Special Operations University where she teaches a [top secret advanced course](#) in 'Irregular Warfare' that she designed for senior US special forces officers. She has previously taught courses on 'Internal War' for senior "political-military officers" of various Gulf regimes.

Her views thus disclose much about what the Highlands Forum has been advocating all these years. In 2004, Lochard was co-author of a study for the [US Air Force's Institute for National Security Studies](#) on [US strategy toward 'non-state armed groups.'](#) The study on the one hand argued that non-state armed groups should be urgently recognized as a 'tier one security priority,' and on the other that the proliferation of armed groups "provide strategic opportunities that can be exploited to help achieve policy goals. There have and will be instances where the United States may find collaborating with armed group is in its strategic interests." But "sophisticated tools" must be developed to differentiate between different groups and understand their dynamics, to determine which groups should be countered, and which could be exploited for US interests. "Armed group profiles can likewise be employed to identify ways in which the United States may assist certain armed groups whose success will be advantageous to US foreign policy objectives."

In 2008, [Wikileaks](#) published a **leaked restricted US Army Special Operations field manual**, which demonstrated that the sort of thinking advocated by the likes of Highlands expert Lochard had been explicitly adopted by US special forces.

Lochard's work thus demonstrates that the Highlands Forum sat at the intersection of advanced Pentagon strategy on surveillance, covert operations and irregular warfare: mobilizing mass surveillance to develop detailed information on violent and non-violent groups perceived as potentially threatening to US interests, or offering opportunities for exploitation, thus feeding directly into **US covert operations**.

That, ultimately, is why the CIA, the NSA, the Pentagon, spawned Google. So they could run their secret dirty wars with even greater efficiency than ever before.

READ [PART TWO](#)

Dr [Nafeez Ahmed](#) is an investigative journalist, bestselling author and international security scholar. A former Guardian writer, he writes the 'System Shift' column for VICE's Motherboard, and is also a columnist for Middle East Eye. He is the winner of a 2015 Project Censored Award for Outstanding Investigative Journalism for his Guardian work.

Nafeez has also written for The Independent, Sydney Morning Herald, The Age, The Scotsman, Foreign Policy, The Atlantic, Quartz, Prospect, New Statesman, Le Monde diplomatique, New Internationalist, Counterpunch, Truthout, among others. He is the author of [A User's Guide to the Crisis of Civilization: And How to Save It](#) (2010), and the scifi thriller novel [ZERO POINT](#), among other books. His work on the root causes and covert operations linked to international terrorism officially contributed to the 9/11 Commission and the 7/7 Coroner's Inquest.

This exclusive is being released for free in the public interest, and was enabled by crowdfunding. I'd like to thank my amazing community of patrons for their support, which gave me the opportunity to work on this in-depth investigation. Please [support independent, investigative journalism for the global commons](#).

INSURGE INTELLIGENCE, a new crowd-funded investigative journalism project, breaks the exclusive story of how the United States intelligence community funded, nurtured and incubated Google as part of a drive to dominate the world through control of information. Seed-funded by the NSA and CIA, Google was merely the first among a plethora of private sector start-ups co-opted by US intelligence to retain 'information superiority.'

The origins of this ingenious strategy trace back to a secret Pentagon-sponsored group, that for the last two decades has functioned as a bridge between the US government and elites across the business, industry, finance, corporate, and media sectors. The group has allowed some of the most powerful special interests in corporate America to systematically circumvent democratic accountability and the rule of law to influence government policies, as well as public opinion in the US and around the world. The results have been catastrophic: NSA mass surveillance, a permanent state of global war, and a new initiative to transform the US military into Skynet.

READ [PART ONE](#)

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7.4.3 Part 2 – Pentagon Highlands Forum CoOptation of tech Giants Like Google

Mass surveillance is about control. It's promulgators may well claim, and even believe, that it is about control for the greater good, a control that is needed to keep a cap on disorder, to be fully vigilant to the next threat.

But in a context of rampant political corruption, widening economic inequalities, and escalating resource stress due to climate change and energy volatility, mass surveillance can become a tool of power to merely perpetuate itself, at the public's expense.

A major function of mass surveillance that is often overlooked is that of knowing the adversary to such an extent that they can be manipulated into defeat. The problem is that the adversary is not just terrorists. It's you and me. To this day, the role of information warfare as propaganda has been in full swing, though systematically ignored by much of the media.

Here, *INSURGE INTELLIGENCE* exposes how the Pentagon Highlands Forum's co-optation of tech giants like Google to pursue mass surveillance, has played a key role in secret efforts to manipulate the media as part of an information war against the American government, the American people, and the rest of the world: to justify endless war, and ceaseless military expansionism.

The war machine

In September 2013, the [website of the Monterey Institute for International Studies' Cyber Security Initiative \(MIIS CySec\)](#) posted a final version of a [paper](#) on 'cyber-deterrence' by CIA consultant Jeffrey Cooper, vice president of the US defense contractor SAIC and a [founding member](#) of the Pentagon's Highlands Forum. The paper was presented to then NSA director Gen. Keith Alexander at a Highlands Forum session titled 'Cyber Commons, Engagement and Deterrence' in 2010.

Gen. Keith Alexander (middle), who served as director of the NSA and chief of the Central Security Service from 2005 to 2014, as well as commander of the US Cyber Command from 2010 to 2014, at the 2010 Highlands Forum session on cyber-deterrence

MIIS CySec is formally partnered with the Pentagon's Highlands Forum through an MoU signed between the provost and Forum president Richard O'Neill, while the initiative itself is funded by George C. Lee: the Goldman Sachs executive who led the billion dollar valuations of Facebook, Google, eBay, and other tech companies.

Cooper's eye-opening paper is no longer available at the MIIS site, but a final version of it is available via the logs of a public [national security conference](#) hosted by the American Bar Association. Currently, Cooper is chief innovation officer at SAIC/Leidos, which is among a consortium of defense technology firms including Booz Allen Hamilton and others contracted to develop NSA surveillance capabilities.

The Highlands Forum briefing for the NSA chief was commissioned [under contract](#) by the undersecretary of defense for intelligence, and based on concepts developed at previous Forum meetings. It was presented to Gen. Alexander at a "closed session" of the Highlands Forum moderated by MIIS CySec director, Dr. Itamara Lochard, at the Center for Strategic and International Studies (CSIS) in Washington DC.

SAIC/Leidos' Jeffrey Cooper (middle), a founding member of the Pentagon's Highlands Forum, listening to Phil Venables (right), senior partner at Goldman Sachs, at the 2010 Forum session on cyber-deterrence at the CSIS

Like Rumsfeld's IO roadmap, Cooper's NSA briefing described "digital information systems" as both a "great source of vulnerability" and "powerful tools and weapons" for "national security." He advocated the need for US cyber intelligence to maximize "in-depth knowledge" of potential and actual adversaries, so they can identify "every potential leverage point" that can be exploited for deterrence or retaliation. "Networked deterrence" requires the US intelligence community to develop "deep understanding and specific knowledge about the particular networks involved and their patterns of linkages, including types and strengths of bonds," as well as using cognitive and behavioural science to help predict patterns. His paper went on to essentially set out a theoretical architecture for modelling data obtained from surveillance and social media mining on potential "adversaries" and "counterparties."

A year after this briefing with the NSA chief, Michele Weslander Quaid—another Highlands Forum delegate—joined Google to become chief technology officer, leaving her senior role in the Pentagon advising the undersecretary of defense for intelligence. Two months earlier, the Defense Science Board (DSB) *Task Force on Defense Intelligence* published its [report](#) on *Counterinsurgency (COIN), Intelligence, Surveillance and*

Reconnaissance (IRS) Operations. Quaid was among the government intelligence experts who advised and briefed the Defense Science Board Task Force in preparing the report. Another expert who briefed the Task Force was Highlands Forum veteran Linton Wells. The DSB report itself had been commissioned by Bush appointee James Clapper, then undersecretary of defense for intelligence—who had also commissioned Cooper's Highlands Forum briefing to Gen. Alexander. Clapper is now Obama's Director of National Intelligence, in which capacity he lied under oath to Congress by claiming in March 2013 that the NSA does not collect any data at all on American citizens.

Michele Quaid's track record across the US military intelligence community was to transition agencies into using web tools and cloud technology. The imprint of her ideas are evident in key parts of the DSB Task Force report, which described its purpose as being to "influence investment decisions" at the Pentagon "by recommending appropriate intelligence capabilities to assess insurgencies, understand a population in their environment, and support COIN operations."

The report named 24 countries in South and Southeast Asia, North and West Africa, the Middle East and South America, which would pose "possible COIN challenges" for the US military in coming years. These included Pakistan, Mexico, Yemen, Nigeria, Guatemala, Gaza/West Bank, Egypt, Saudi Arabia, Lebanon, among other "autocratic regimes." The report argued that "economic crises, climate change, demographic pressures, resource scarcity, or poor governance could cause these states (or others) to fail or become so weak that they become targets for aggressors/insurgents." From there, the "global information infrastructure" and "social media" can rapidly "amplify the speed, intensity, and momentum of events" with regional implications. "Such areas could become sanctuaries from which to launch attacks on the US homeland, recruit personnel, and finance, train, and supply operations."

The imperative in this context is to increase the military's capacity for "left of bang" operations—before the need for a major armed forces commitment—to avoid insurgencies, or pre-empt them while still in incipient phase. The report goes on to conclude that "the Internet and social media are critical sources of social network analysis data in societies that are not only literate, but also connected to the Internet." This requires "monitoring the blogosphere and other social media across many different cultures and languages" to prepare for "population-centric operations."

The Pentagon must also increase its capacity for "behavioral modeling and simulation" to "better understand and anticipate the actions of a population" based on "foundation data on populations, human networks, geography, and other economic and social characteristics." Such "population-centric operations" will also "increasingly" be needed in "nascent resource conflicts, whether based on water-crises, agricultural stress, environmental stress, or rents" from mineral resources. This must include monitoring "population demographics as an organic part of the natural resource framework."

Other areas for augmentation are "overhead video surveillance," "high resolution terrain data," "cloud computing capability," "data fusion" for all forms of intelligence in a "consistent spatio-temporal framework for organizing and indexing the data," developing "social science frameworks" that can "support spatio-temporal encoding and analysis," "distributing multi-form biometric authentication technologies ["such as fingerprints, retina scans and DNA samples"] to the point of service of the most basic administrative processes" in order to "tie identity to all an individual's transactions." In addition, the academy must be brought in to help the Pentagon develop "anthropological, socio-cultural, historical, human geographical, educational, public health, and many other types of social and behavioral science data and information" to develop "a deep understanding of populations."

A few months after joining Google, Quaid represented the company in August 2011 at the Pentagon's Defense Information Systems Agency (DISA) Customer and Industry Forum. The forum would provide "the Services, Combatant Commands, Agencies, coalition forces" the "opportunity to directly engage with industry on innovative technologies to enable and ensure capabilities in support of our Warfighters." Participants in the event have been integral to efforts to create a "defense enterprise information environment," defined as "an integrated platform which includes the network, computing, environment, services, information assurance, and NetOps capabilities," enabling warfighters to "connect, identify themselves, discover and share

information, and collaborate across the full spectrum of military operations." Most of the forum panelists were DoD officials, except for just four industry panelists including Google's Quaid.

DISA officials have attended the Highlands Forum, too—such as [Paul Friedrichs](#), a technical director and chief engineer of DISA's Office of the Chief Information Assurance Executive.

Knowledge is Power

Given all this it is hardly surprising that in 2012, a few months after Highlands Forum co-chair Regina Dugan left DARPA to join Google as a senior executive, then NSA chief [Gen. Keith Alexander](#) was emailing Google's founding executive Sergey Brin to discuss information sharing for national security. In those emails, obtained under Freedom of Information by investigative journalist Jason Leopold, Gen. Alexander described Google as a "key member of [the US military's] Defense Industrial Base," a position Michele Quaid was apparently consolidating. Brin's jovial relationship with the former NSA chief now makes perfect sense given that Brin had been in contact with representatives of the CIA and NSA, who partly funded and oversaw his creation of the Google search engine, since the mid-1990s.

In July 2014, Quaid spoke at a US Army panel on the creation of a "rapid acquisition cell" to advance the US Army's "cyber capabilities" as part of the Force 2025 transformation initiative. She told Pentagon officials that "many of the Army's 2025 technology goals can be realized with commercial technology available or in development today," re-affirming that "industry is ready to partner with the Army in supporting the new paradigm." Around the same time, most of the media was trumpeting the idea that Google was trying to distance itself from Pentagon funding, but in reality, Google has switched tactics to independently develop commercial technologies which would have military applications the Pentagon's transformation goals.

Yet Quaid is hardly the only point-person in Google's relationship with the US military intelligence community.

One year after Google bought the satellite mapping software Keyhole from CIA venture capital firm In-Q-Tel in 2004, In-Q-Tel's director of technical assessment Rob Painter—who played a key role in In-Q-Tel's Keyhole investment in the first place—moved to Google. At In-Q-Tel, Painter's work focused on identifying, researching and evaluating "new start-up technology firms that were believed to offer tremendous value to the CIA, the National Geospatial-Intelligence Agency, and the Defense Intelligence Agency." Indeed, the NGA had confirmed that its intelligence obtained via Keyhole was used by the NSA to support US operations in Iraq from 2003 onwards.

A former US Army special operations intelligence officer, Painter's new job at Google as of July 2005 was federal manager of what Keyhole was to become: Google Earth Enterprise. By 2007, Painter had become Google's federal chief technologist.

That year, Painter told the *Washington Post* that Google was "in the beginning stages" of selling advanced secret versions of its products to the US government. "Google has ramped up its sales force in the Washington area in the past year to adapt its technology products to the needs of the military, civilian agencies and the intelligence community," the *Post* reported. The Pentagon was already using a version of Google Earth developed in partnership with Lockheed Martin to "display information for the military on the ground in Iraq," including "mapping out displays of key regions of the country" and outlining "Sunni and Shiite neighborhoods in Baghdad, as well as US and Iraqi military bases in the city. Neither Lockheed nor Google would say how the geospatial agency uses the data." Google aimed to sell the government new "enhanced versions of Google Earth" and "search engines that can be used internally by agencies."

White House records leaked in 2010 showed that Google executives had held several meetings with senior US National Security Council officials. Alan Davidson, Google's government affairs director, had at least three meetings with officials of the National Security Council in 2009, including White House senior director for Russian affairs Mike McFaul and Middle East advisor Daniel Shapiro. It also emerged from a Google patent application that the company had deliberately been collecting 'payload' data from private wifi networks that would enable the identification of "geolocations." In the same year, we now know, Google had signed an agreement with the NSA giving the agency open-ended access to the personal information of its users, and its hardware and software, in the name of cyber security—agreements that Gen. Alexander was busy replicating with hundreds of telecoms CEOs around the country.

Thus, it is not just **Google that is a key contributor and foundation of the US military-industrial complex**: it is the entire Internet, and the wide range of private sector companies—many nurtured and funded under the mantle of the US intelligence community (or powerful financiers embedded in that community)—which sustain the Internet and the telecoms infrastructure; it is also the myriad of **start-ups** selling cutting edge technologies to the CIA's venture firm In-Q-Tel, where they can then be adapted and advanced for applications across the military intelligence community. Ultimately, the global surveillance apparatus and the classified tools used by agencies like the NSA to administer it, have been almost entirely made by external researchers and private contractors like Google, which operate outside the Pentagon.

This structure, mirrored in the workings of the Pentagon's Highlands Forum, allows the Pentagon to rapidly capitalize on technological innovations it would otherwise miss, while also keeping the private sector at arms length, at least ostensibly, to avoid uncomfortable questions about what such technology is actually being used for.

But isn't it obvious, really? **The Pentagon is about war, whether overt or covert.** By helping build the **technological surveillance infrastructure of the NSA, firms like Google are complicit in what the military-industrial complex does best: kill for cash.**

As the nature of **mass surveillance** suggests, its target is not merely terrorists, but by extension, 'terrorism suspects' and 'potential terrorists,' the upshot being that **entire populations**—especially **political activists**—**must be targeted by US intelligence surveillance** to identify active and future threats, and to be vigilant against hypothetical **populist insurgencies** both at home and abroad. Predictive analytics and behavioural profiles play a pivotal role here.

Mass surveillance and **data-mining** also now has a distinctive **operational purpose** in assisting with the lethal execution of special operations, **selecting targets for the CIA's drone strike kill lists** via dubious algorithms, for instance, along with providing geospatial and other information for combatant commanders on land, air and sea, among many other functions. A single social media post on Twitter or Facebook is enough to trigger being placed on secret terrorism watch-lists solely due to a vaguely defined hunch or suspicion; and can potentially even land a suspect on a kill list.

The push for indiscriminate, comprehensive mass surveillance by the military-industrial complex—encompassing the Pentagon, intelligence agencies, defense contractors, and supposedly friendly tech giants like Google and Facebook—is therefore not an end in itself, but an instrument of power, whose goal is self-perpetuation. But there is also a self-rationalizing justification for this goal: while being great for the military-industrial complex, it is also, supposedly, great for everyone else.

The 'long war'

No better illustration of the truly **chauvinistic, narcissistic, and self-congratulatory ideology of power** at the heart of the military-industrial complex is a book by long-time Highlands Forum delegate, Dr. Thomas Barnett, *The Pentagon's New Map*. Barnett was assistant for strategic futures in the Pentagon's Office of Force Transformation from 2001 to 2003, and had been recommended to Richard O'Neill by his boss Vice Admiral Arthur Cebrowski. Apart from becoming a *New York Times* bestseller, Barnett's book had been read far and wide in the US military, by senior defense officials in Washington and combatant commanders operating on the ground in the Middle East.

Barnett first attended the Pentagon Highlands Forum in 1998, then was invited to deliver a briefing about his work at the Forum on December 7th 2004, which was attended by senior **Pentagon officials, energy experts, internet entrepreneurs, and journalists**. Barnett received a glowing **review** in the *Washington Post* from his Highlands Forum buddy David Ignatius a week later, and an endorsement from another Forum friend, Thomas Friedman, both of which helped massively boost his credibility and readership.

Barnett's vision is neoconservative to the root. He sees the world as divided into essentially **two realms**: The **Core**, which consists of advanced countries playing by the rules of economic globalization (the US, Canada, UK, Europe and Japan) along with **developing countries** committed to getting there (Brazil, Russia, India, China, and some others); and the rest of the world, which is The Gap, a disparate wilderness of dangerous and lawless countries defined fundamentally by being **"disconnected" from the wonders of globalization**. This

includes most of the Middle East and Africa, large swathes of South America, as well as much of Central Asia and Eastern Europe. It is the task of the United States to “shrink The Gap,” by spreading the cultural and economic “rule-set” of globalization that characterizes The Core, and by enforcing security worldwide to enable that “rule-set” to spread.

These two functions of US power are captured by Barnett’s concepts of “Leviathan” and “System Administrator.” The former is about rule-setting to facilitate the spread of capitalist markets, regulated via military and civilian law. The latter is about projecting military force into The Gap in an open-ended global mission to enforce security and engage in nation-building. Not “rebuilding,” he is keen to emphasize, but building “new nations.”

For Barnett, the Bush administration’s 2002 introduction of the Patriot Act at home, with its crushing of habeas corpus, and the National Security Strategy abroad, with its opening up of unilateral, pre-emptive war, represented the beginning of the necessary re-writing of rule-sets in The Core to embark on this noble mission. This is the *only* way for the US to achieve security, writes Barnett, because as long as The Gap exists, it will always be a source of lawless violence and disorder. One paragraph in particular sums up his vision:

“America as global cop creates security. Security creates common rules. Rules attract foreign investment. Investment creates infrastructure. Infrastructure creates access to natural resources. Resources create economic growth. Growth creates stability. Stability creates markets. And once you’re a growing, stable part of the global market, you’re part of the Core. Mission accomplished.”

Much of what Barnett predicted would need to happen to fulfill this vision, despite its neoconservative bent, is still being pursued under Obama. In the near future, Barnett had predicted, US military forces will be dispatched beyond Iraq and Afghanistan to places like Uzbekistan, Djibouti, Azerbaijan, Northwest Africa, Southern Africa and South America.

Barnett’s Pentagon briefing was greeted with near universal enthusiasm. The Forum had even purchased copies of his book and had them distributed to all Forum delegates, and in May 2005, Barnett was invited back to participate in an entire Forum themed around his “SysAdmin” concept.

The Highlands Forum has thus played a leading role in defining the Pentagon’s entire conceptualization of the ‘war on terror.’ Irving Wladawsky-Berger, a retired IMB vice president who co-chaired the President’s Information Technology Advisory Committee from 1997 to 2001, described his experience of one 2007 Forum meeting in telling terms:

“Then there is the War on Terror, which DoD has started to refer to as the Long War, a term that I first heard at the Forum. It seems very appropriate to describe the overall conflict in which we now find ourselves. This is a truly global conflict... the conflicts we are now in have much more of the feel of a battle of civilizations or cultures trying to destroy our very way of life and impose their own.”

The problem is that outside this powerful Pentagon-hosted clique, not everyone else agrees. “I’m not convinced that Barnett’s cure would be any better than the disease,” wrote Dr. Karen Kwiatowski, a former senior Pentagon analyst in the Near East and South Asia section, who blew the whistle on how her department deliberately manufactured false information in the run-up to the Iraq War. “It would surely cost far more in American liberty, constitutional democracy and blood than it would be worth.”

Yet the equation of “shrinking The Gap” with sustaining the national security of The Core leads to a slippery slope. It means that if the US is prevented from playing this leadership role as “global cop,” The Gap will widen, The Core will shrink, and the entire global order could unravel. By this logic, the US simply cannot afford government or public opinion to reject the legitimacy of its mission. If it did so, it would allow The Gap to grow out of control, undermining The Core, and potentially destroying it, along with The Core’s protector, America. Therefore, “shrinking The Gap” is not just a security imperative: it is such an existential priority, that it must be backed up with information war to demonstrate to the world the legitimacy of the entire project.

Based on O’Neill’s principles of information warfare as articulated in his 1989 US Navy brief, the targets of information war are not just populations in The Gap, but domestic populations in The Core, and their governments: including the US government. That secret brief, which according to former senior US intelligence official John Alexander was read by the Pentagon’s top leadership, argued that information war must be

targeted at: **adversaries** to convince them of their vulnerability; **potential partners** around the world so they accept “the cause as just”; and finally, civilian populations and the political leadership so they believe that “**the cost**” in **blood and treasure** is worth it.

Barnett’s work was plugged by the Pentagon’s Highlands Forum because it fit the bill, in providing a compelling ‘**feel good**’ ideology for the US military-industrial complex.

But neoconservative ideology, of course, hardly originated with Barnett, himself a relatively small player, even though his work was extremely influential throughout the Pentagon. The regressive thinking of senior officials involved in the Highlands Forum is visible from long before 9/11, which was ceased upon by actors linked to the Forum as a powerful enabling force that legitimized the increasingly aggressive direction of US foreign and intelligence policies.

Yoda and the Soviets

The ideology represented by the Highlands Forum can be gleaned from long before its establishment in 1994, at a time when Andrew ‘Yoda’ Marshall’s ONA was the primary locus of Pentagon activity on future planning.

A widely-held myth promulgated by national security journalists over the years is that the ONA’s reputation as the Pentagon’s resident oracle machine was down to the uncanny analytical foresight of its director Marshall. Supposedly, he was among the few who made the **prescient recognition that the Soviet threat had been overblown by the US intelligence community**. He had, the story goes, been a lone, but relentless voice inside the Pentagon, calling on policymakers to re-evaluate their projections of the USSR’s military might.

Except the story is not true. The ONA was not about sober threat analysis, but about **paranoid threat projection** justifying military expansionism. *Foreign Policy’s* [Jeffrey Lewis](#) points out that far from offering a voice of reason calling for a more balanced assessment of Soviet military capabilities, Marshall tried to downplay ONA findings that rejected the hype around an imminent Soviet threat. Having commissioned a study concluding that the US had overestimated Soviet aggressiveness, Marshall circulated it with a cover note declaring himself “unpersuaded” by its findings. Lewis charts how Marshall’s threat projection mind-set extended to commissioning absurd research **supporting staple neocon narratives about the (non-existent) Saddam-al-Qaeda link**, and even the **notorious report by a RAND consultant** calling for re-drawing the map of the Middle East, presented to the Pentagon’s Defense Policy Board on the invitation of Richard Perle in 2002.

Investigative journalist [Jason Vest](#) similarly found from Pentagon sources that during the Cold War, Marshall had **long hyped the Soviet threat**, and played a key role in giving the neoconservative pressure group, the Committee on the Present Danger, access to classified CIA intelligence data to re-write the *National Intelligence Estimate on Soviet Military Intentions*. This was a precursor to the **manipulation of intelligence after 9/11 to justify the invasion and occupation of Iraq**. Former ONA staffers confirmed that Marshall had been belligerent about an imminent Soviet threat “until the very end.” Ex-CIA sovietologist Melvin Goodman, for instance, recalled that Marshall was also instrumental in **pushing for the Afghan mujahideen** to be provided with Stinger missiles—a move which made the war even more brutal, encouraging the Russians to use **scorched earth tactics**.

Enron, the Taliban and Iraq

The post-Cold War period saw the Pentagon's creation of the Highlands Forum in 1994 under the wing of former defense secretary **William Perry**—a former CIA director and early advocate of neocon ideas like **preventive war**. Surprisingly, the Forum's dubious role as a government-industry bridge can be clearly discerned in relation to Enron's flirtations with the US government. Just as the Forum had crafted the Pentagon's intensifying policies on mass surveillance, it simultaneously fed directly into the strategic thinking that culminating in the wars in Afghanistan and Iraq.

On November 7th 2000, George W. Bush '**won**' the US presidential elections. **Enron** and its employees had **given over \$1 million to the Bush campaign** in total. That included contributing \$10,500 to Bush's Florida recount committee, and a further \$300,000 for the inaugural celebrations afterwards. Enron also provided **corporate jets** to shuttle Republican lawyers around Florida and Washington lobbying on behalf of Bush for the December recount. Federal election documents later showed that since 1989, **Enron** had made a total of **\$5.8 million in campaign donations, 73 percent to Republicans and 27 percent to Democrats**—with as many as 15 senior Bush administration officials **owning stock** in Enron, including defense secretary **Donald Rumsfeld**, senior advisor **Karl Rove**, and army secretary Thomas White.

Yet just one day before that controversial election, Pentagon Highlands Forum founding president Richard O'Neill wrote to Enron CEO, Kenneth Lay, inviting him to give a presentation at the Forum on modernizing the Pentagon and the Army. The email from O'Neill to Lay was released as part of the Enron Corpus, the emails obtained by the Federal Energy Regulatory Commission, but has remained unknown until now.

The email began "On behalf of Assistant Secretary of Defense (C3I) and DoD CIO Arthur Money," and invited Lay "to participate in the **Secretary of Defense's Highlands Forum**," which O'Neill described as "a cross-disciplinary group of **eminent scholars, researchers, CEO's/CIO's/CTO's from industry, and leaders from the media, the arts and the professions**, who have met over the past six years to examine areas of emerging interest to all of us." He added that Forum sessions include "seniors from the White House, Defense, and other agencies of government (we limit government participation to about 25%)."

Here, O'Neill reveals that the Pentagon Highlands Forum was, fundamentally, about exploring not just the goals of government, but the interests of participating industry leaders like Enron. The Pentagon, O'Neill went on, wanted Lay to feed into "the search for information/ transformation strategies for the Department of Defense (and government in general)," particularly "from a business perspective (transformation, productivity, competitive advantage)." He offered high praise of Enron as "a remarkable example of transformation in a highly rigid, regulated industry, that has created a new model and new markets."

O'Neill made clear that the **Pentagon wanted Enron to play a pivotal role in the DoD's future**, not just in the creation of "an operational strategy which has information superiority," but also in relation to the DoD's "**enormous global business enterprise** which can benefit from many of the best practices and ideas from industry."

"ENRON is of great interest to us," he reaffirmed. "What we learn from you may help the Department of Defense a great deal as it works to build a new strategy. I hope that you have time on your busy schedule to join us for as much of the Highlands Forum as you can attend and speak with the group."

That Highlands Forum meeting was attended by senior White House and US intelligence officials, including CIA deputy director Joan A. Dempsey, who had previously served as assistant defense secretary for intelligence, and in 2003 was appointed by Bush as executive director of the President's Foreign Intelligence Advisory Board, in which capacity she praised extensive information sharing by the NSA and NGA after 9/11. She went on to become executive vice president at **Booz Allen Hamilton**, a major Pentagon contractor in Iraq and Afghanistan that, among other things, created the Coalition Provisional Authority's **database to track what we now know were highly corrupt reconstruction projects in Iraq**.

Enron's relationship with the Pentagon had already been in full swing the previous year. Thomas White, then vice chair of Enron energy services, had used **his extensive US military connections** to secure a prototype deal at Fort Hamilton to **privatize the power supply of army bases**. Enron was the only bidder for the deal. The following year, after Enron's CEO was invited to the Highlands Forum, White gave his **first speech** in June just "two weeks after he became secretary of the Army," where he "vowed to speed up the awarding of such contracts," along with further **"rapid privatization"** of the Army's energy services. "Potentially, Enron could benefit from the speedup in awarding contracts, as could others seeking the business," observed *USA Today*.

That month, on the authority of defense secretary Donald Rumsfeld—who himself held significant shares in Enron—Bush's Pentagon invited another Enron executive and one of Enron's senior external financial advisors to attend a further secret Highlands Forum session.

An email from Richard O'Neill dated June 22nd, obtained via the Enron Corpus, showed that Steven Kean, then executive vice president and chief of staff of Enron, was due to give another Highlands presentation on Monday 25th. "We are approaching the Secretary of Defense-sponsored Highlands Forum and very much looking forward to your participation," wrote O'Neill, promising Kean that he would be "the centerpiece of discussion. Enron's experience is quite important to us as we seriously consider **transformative change in the Department of Defense.**"

Steven Kean is now president and COO (and incoming CEO) of **Kinder Morgan**, one of the largest energy companies in North America, and a major supporter of the controversial **Keystone XL pipeline** project.

Due to attend the same Highlands Forum session with Kean was Richard Foster, then a senior partner at the financial consultancy **McKinsey**. "I have given copies of Dick Foster's new book, ***Creative Destruction***, to the Deputy Secretary of Defense as well as the Assistant Secretary," said O'Neill in his email, "and the Enron case that he outlines makes for important discussion. We intend to hand out copies to the participants at the Forum."

Foster's firm, McKinsey, had provided strategic **financial advice** to Enron since the mid-1980s. Joe Skilling, who in February 2001 became Enron CEO while Kenneth Lay moved to chair, had been head of **McKinsey's energy consulting business** before joining Enron in 1990.

McKinsey and then partner Richard Foster were intimately involved in crafting the core Enron **financial management strategies** responsible for the **company's rapid, but fraudulent, growth**. While McKinsey has always denied being aware of the **dodgy** accounting that led to Enron's demise, internal company documents showed that Foster had attended an Enron finance committee meeting a month before the Highlands Forum session to discuss the "need for outside private partnerships to help drive the company's explosive growth"—the very investment partnerships responsible for the **collapse** of Enron.

McKinsey **documents** showed that the firm was "fully aware of Enron's extensive use of **off-balance-sheet funds.**" As *The Independent's* economics editor **Ben Chu** remarks, "McKinsey fully endorsed the dubious accounting methods," which led to the inflation of Enron's market valuation and "that caused the company to implode in 2001."

Indeed, Foster himself had personally attended **six Enron board meetings** from October 2000 to October 2001. That period roughly coincided with **Enron's growing influence on the Bush administration's energy policies**, and the Pentagon's planning for **Afghanistan and Iraq**.

But Foster was also a regular attendee at the Pentagon Highlands Forum—his LinkedIn **profile** describes him as member of the Forum since 2000, the year he ramped up engagement with Enron. He also delivered a presentation at the inaugural Island Forum in Singapore in 2002.

Enron's involvement in the Cheney Energy Task Force appears to have been linked to the Bush administration's **2001 planning for both the invasions of Afghanistan and Iraq, motivated by control of oil**. As noted by Prof. **Richard Falk**, a former board member of **Human Rights Watch** and ex-UN investigator, Enron's Kenneth Lay "was the main **confidential consultant relied upon by Vice President Dick Cheney** during the highly secretive process of drafting a report outlining a **national energy policy**, widely regarded as a key element in the US approach to foreign policy generally and the Arab world in particular."

The intimate secret meetings between senior Enron executives and high-level US government officials via the Pentagon Highlands Forum, from November 2000 to June 2001, played a central role in establishing and cementing the increasingly symbiotic link between Enron and Pentagon planning. The Forum's role was, as O'Neill has always said, to function as an ideas lab to **explore the mutual interests of industry and government**.

Enron and Pentagon war planning

In February 2001, when Enron executives including Kenneth Lay began participating concertedly in the [Cheney Energy Task Force](#), a classified National Security Council document instructed NSC staffers to work with the task force in "melding" previously separate issues: "operational policies towards rogue states" and "actions regarding the **capture of new and existing oil and gas fields**."

According to Bush's treasury secretary Paul O'Neill, as quoted by Ron Suskind in *The Price of Loyalty (2004)*, cabinet officials discussed an invasion of Iraq in their first NSC meeting, and had even prepared a map for a post-war occupation marking the **carve-up of Iraq's oil fields**. The message at that time from President Bush was that officials must **"find a way to do this."**

Cheney Energy Task Force documents obtained by Judicial Watch under Freedom of Information revealed that by March, with extensive industry input, the task force had **prepared maps of Gulf state** and especially Iraqi oilfields, pipelines, and refineries, along with a list titled **'Foreign Suitors for Iraqi Oilfield Contracts.'** By April, a think-tank report commissioned by Cheney, overseen by former secretary of state **James Baker**, and put together by a committee of energy industry and national security experts, urged the US government "to conduct an immediate **policy review toward Iraq** including military, energy, economic and political/diplomatic assessments," to deal with Iraq's "destabilizing influence" on oil flows to global markets. The report included recommendations from Highlands Forum delegate and Enron chair, [Kenneth Lay](#).

But Cheney's Energy Task Force was also busily pushing forward plans for Afghanistan involving Enron, that had been in motion under Clinton. **Through the late 1990s, Enron was working with California-based US energy company Unocal to develop an oil and gas pipeline that would tap Caspian basin reserves, and carry oil and gas across Afghanistan, supplying Pakistan, India and potentially other markets.** The endeavor had the official blessing of the **Clinton administration**, and later the **Bush administration**, which held several meetings with **Taliban** representatives to negotiate terms for the pipeline deal throughout 2001. The Taliban, whose conquest of Afghanistan had received **covert assistance under Clinton**, was to receive formal recognition as the legitimate government of Afghanistan in return for permitting the installation of the pipeline. Enron paid **\$400 million for a feasibility study for the pipeline**, a large portion of which was siphoned off as **bribes to Taliban** leaders, and even hired CIA agents to help facilitate.

Then in summer 2001, while Enron officials were liaising with senior Pentagon officials at the Highlands Forum, the White House's National Security Council was running a **cross-departmental 'working group'** led by Rumsfeld and Cheney to help complete an ongoing Enron project in India, a \$3 billion power plant in Dabhol. The plant was slated to receive its energy from the [Trans-Afghan pipeline](#). The NSC's 'Dabhol Working Group,' chaired by Bush's national security adviser **Condoleezza Rice**, generated a range of tactics to enhance US government pressure on India to complete the Dabhol plant—pressure that continued all the way to early November. The Dabhol project, and the Trans-Afghan pipeline, was by far Enron's **most lucrative** overseas deal.

Throughout 2001, Enron officials, including Ken Lay, participated in Cheney's Energy Task Force, along with representatives across the US energy industry. Starting from February, shortly after the Bush administration took office, Enron was involved in about half a dozen of these [Energy Task Force meetings](#). After one of these secret meetings, a [draft energy proposal](#) was amended to include a new provision proposing to dramatically boost oil and natural gas production in India in a way that would apply only to Enron's Dabhol power plant. In other words, ensuring the [flow of cheap gas to India via the Trans-Afghan pipeline](#) was now a matter of US 'national security.'

A month or two after this, the Bush administration [gave](#) the [Taliban \\$43 million](#), justified by its crackdown on opium production, despite US-imposed UN [sanctions](#) preventing aid to the group for not handing over Osama bin Laden.

Then in June 2001, the [same month](#) that Enron's executive vice president Steve Kean attended the Pentagon Highlands Forum, the company's hopes for the Dabhol project were dashed when the Trans-Afghan pipeline failed to materialize, and as a consequence, construction on the Dabhol power plant was shut down. The [failure of the \\$3 billion project contributed to Enron's bankruptcy in December](#). That month, Enron officials met with Bush's commerce secretary, Donald Evans, about the plant, and Cheney lobbied India's main opposition party about the Dhabol project. Ken Lay had also reportedly contacted the Bush administration around this time to inform officials about the firm's financial troubles.

By August, desperate to pull off the deal, US officials [threatened](#) Taliban representatives with [war](#) if they refused to accept American terms: namely, to cease fighting and join in a federal alliance with the opposition Northern Alliance; and to [give up demands for local consumption of the gas](#). On the 15th of that month, Enron lobbyist Pat Shortridge told then White House economic advisor Robert McNally that Enron was heading for a financial meltdown that could [cripple](#) the country's energy markets.

The Bush administration must have anticipated the Taliban's [rejection](#) of the deal, because they had [planned](#) a war on Afghanistan from as early as [July](#). According to then Pakistani foreign minister Niaz Naik, who had participated in the US-Taliban negotiations, US officials told him they [planned to invade Afghanistan in mid-October 2001](#). No sooner had the war commenced, Bush's ambassador to Pakistan, Wendy Chamberlain, called Pakistani's oil minister Usman Aminuddin to discuss "[the proposed Turkmenistan-Afghanistan-Pakistan gas pipeline project](#)," according to the *Frontier Post*, a Pakistani English-language broadsheet. They reportedly agreed that the "project opens up new avenues of multi-dimensional regional cooperation particularly in view of the recent geo-political developments in the region."

[Two days before 9/11](#), Condoleeza Rice received the draft of a formal National Security Presidential Directive that Bush was expected to sign immediately. [The directive contained a comprehensive plan to launch a global war on al-Qaeda](#), including an "imminent" invasion of [Afghanistan](#) to topple the Taliban. The directive was approved by the highest levels of the White House and officials of the National Security Council, including of course Rice and Rumsfeld. The same NSC officials were simultaneously running the [Dhabol Working Group](#) to secure the Indian power plant deal for Enron's Trans-Afghan pipeline project. The next day, [one day before 9/11, the Bush administration formally agreed on the plan to attack the Taliban](#).

The Pentagon Highlands Forum's background link with the interests involved in all this, show they were not unique to the Bush administration—which is why, as Obama was preparing to pull troops out of Afghanistan, he re-affirmed his government's [support](#) for the Trans-Afghan pipeline project, and his desire for a US firm to construct it.

The Pentagon's propaganda fixer

Throughout this period, **information war played a central role in drumming up public support** for war—and the **Highlands Forum led the way**.

In December 2000, just under a year before 9/11 and shortly after George W. Bush's election victory, key Forum members participated in an **event** at the **Carnegie Endowment for International Peace** to explore "the **impact of the information revolution, globalization, and the end of the Cold War** on the US foreign policy making process." Rather than proposing "incremental reforms," the meeting was for participants to "build from scratch a **new model** that is optimized to the specific properties of the new global environment."

Among the **issues** flagged up in the meeting was the **'Global Control Revolution'**: the "distributed" nature of the information revolution was altering "key dynamics of world politics by challenging the primacy of states and inter-state relations." This was "creating new challenges to national security, reducing the ability of leading states to control global policy debates, challenging the efficacy of national economic policies, etc."

In other words, how can the Pentagon find a way to exploit the information revolution to "control global policy debates," particularly on "national economic policies"?

The meeting was co-hosted by **Jamie Metzl**, who at the time **served on Bill Clinton's National Security Council**, where he had just led the drafting of Clinton's Presidential Decision Directive 68 on International Public Information (IPI), a new multiagency plan to coordinate US public information dissemination abroad. Metzl went on to coordinate IPI at the State Department.

The preceding year, a senior Clinton official revealed to the *Washington Times* that Metzl's IPI was really aimed at "**spinning the American public**," and had "emerged out of concern that the **US public has refused to back President Clinton's foreign policy**." The **IPI would plant news stories favorable to US interests** via TV, press, radio and other media based abroad, in hopes it would get picked up in American media. The pretext was that "news coverage is distorted at home and they need to fight it at all costs by using resources that are aimed at spinning the news." **Metzl ran the IPI's overseas propaganda operations** for Iraq and Kosovo.

Other participants of the **Carnegie meeting** in December 2000, included two founding members of the Highlands Forum, Richard O'Neill and SAIC's Jeff Cooper—along with **Paul Wolfowitz**, another Andrew Marshall **acolyte** who was about to join the incoming Bush administration as Rumsfeld's deputy defense secretary. Also present was a figure who soon became particularly notorious in the **propaganda** around Afghanistan and Iraq War 2003: **John W. Rendon, Jr.**, founding president of **The Rendon Group (TRG)** and **another longtime Pentagon Highlands Forum member**.

John Rendon (right) at the Highlands Forum, accompanied by BBC anchor Nik Gowing (left) and Jeff Jonas, IBM Entity Analytics chief engineer (middle)

TRG is a **notorious communications firm** that has been a US government contractor for decades. Rendon played a pivotal role in **running the State Department's propaganda campaigns** in Iraq and Kosovo under Clinton and Metzl. That included receiving a Pentagon grant to run a news website, the Balkans Information Exchange, and a US Agency for International Development (USAID) **contract to promote "privatization."**

Rendon's central role in helping the Bush administration **hype up the non-existent threat of weapons of mass destruction (WMD)** to justify a US **military invasion** is now well-known. As James Bamford famously exposed in his seminal *Rolling Stone* investigation, Rendon played an instrumental role on behalf of the Bush administration in deploying "**perception management**" to "**create the conditions for the removal of Hussein from power**" under multi-million dollar CIA and Pentagon contracts.

Among Rendon's activities was the creation of **Ahmed Chalabi's Iraqi National Congress** (INC) on behalf of the CIA, a group of Iraqi exiles tasked with disseminating propaganda, including much of the false intelligence [about WMD](#). That process had begun concertedly under the administration of George H W. Bush, then rumbled along under Clinton with little fanfare, before escalating after 9/11 under George W. Bush. Rendon thus played a large role in the **manufacture of inaccurate and false news stories** relating to Iraq under lucrative CIA and Pentagon contracts—and he did so in the period running up to the 2003 invasion as an [advisor](#) to Bush's National Security Council: the same NSC, of course, that planned the invasions of Afghanistan and Iraq, achieved with input from Enron executives who were simultaneously engaging the Pentagon Highlands Forum.

But that is the tip of iceberg. Declassified documents show that the **Highlands Forum** was **intimately involved** in the covert processes by which key officials engineered the road to war on Iraq, based on information warfare.

A redacted 2007 [report](#) by the DoD's Inspector General reveals that one of the contractors used extensively by the Pentagon Highlands Forum during and after the Iraq War was none other than **The Rendon Group**. TRG was contracted by the Pentagon to organize Forum sessions, determine subjects for discussion, as well as to convene and coordinate Forum meetings. The Inspector General investigation had been prompted by accusations raised in Congress about Rendon's role in manipulating information to justify the 2003 invasion and occupation of Iraq. According to the Inspector General report:

"... the Assistant Secretary of Defense for Networks and Information Integration/Chief Information Officer employed TRG to conduct forums that would appeal to a cross-disciplinary group of nationally regarded leaders. The forums were in small groups discussing information and technologies and their effects on science, organizational and business processes, international relations, economics, and national security. TRG also conducted a research program and interviews to formulate and develop topics for the Highlands Forum focus group. The Office of the Assistant Secretary of Defense for Networks and Information Integration would approve the subjects, and TRG would facilitate the meetings."

TRG, the Pentagon's private propaganda arm, thus played a central role in *literally running* the Pentagon Highlands Forum process that brought together senior government officials with industry executives to generate DoD information warfare strategy.

The Pentagon's internal investigation absolved Rendon of any wrongdoing. But this is not surprising, given the conflict of interest at stake: the Inspector General at the time was Claude M. Kicklighter, a [Bush nominee](#) who had directly overseen the administration's key military operations. In 2003, he was director of the Pentagon's Iraq Transition Team, and the following year he was appointed to the State Department as special advisor on stabilization and security operations in Iraq and Afghanistan.

The surveillance-propaganda nexus

Even more telling, Pentagon documents obtained by Bamford for his *Rolling Stone* story revealed that Rendon had been given access to the NSA's top-secret surveillance data to carry out its work on behalf of the Pentagon. TRG, the DoD documents said, is authorized **"to research and analyze information classified up to Top Secret/SCI/SI/TK/G/HCS."**

'SCI' means **Sensitive Compartmented Information**, data classified higher than Top Secret, while 'SI' designates Special Intelligence, that is, highly secret communications intercepted by the NSA. 'TK' refers to Talent/Keyhole, code names for imagery from reconnaissance aircraft and spy satellites, while 'G' stands for Gamma, encompassing communications intercepts from extremely sensitive sources, and 'HCS' means Humint Control System—information from a very sensitive human source. In Bamford's words:

"Taken together, the acronyms indicate that Rendon enjoys access to the most secret information from all three forms of intelligence collection: eavesdropping, imaging satellites and human spies."

So the Pentagon had:

1. contracted Rendon, a propaganda firm;
2. given Rendon access to the intelligence community's most classified information including data from NSA surveillance;
3. tasked Rendon to facilitating the DoD's development of information operations strategy by running the Highlands Forum process;
4. and further, tasked Rendon with overseeing the concrete execution of this strategy developed through the Highlands Forum process, in actual information operations around the world in Iraq, Afghanistan and beyond.

TRG chief executive John Rendon remains closely involved in the Pentagon Highlands Forum, and ongoing DoD information operations in the Muslim world. His November 2014 [biography](#) for the Harvard Kennedy School 'Emerging Leaders' course describes him as "a participant in forward-thinking organizations such as the Highlands Forum," "one of the first thought-leaders to harness the power of emerging technologies in support of real time information management," and an expert on "the impact of emerging information technologies on the way populations think and behave." Rendon's Harvard bio also credits him with designing and executing "strategic communications initiatives and information programs related to operations, *Odyssey Dawn (Libya), Unified Protector (Libya), Global War on Terrorism (GWOT), Iraqi Freedom, Enduring Freedom (Afghanistan), Allied Force and Joint Guardian (Kosovo), Desert Shield, Desert Storm (Kuwait), Desert Fox (Iraq) and Just Cause (Panama), among others.*"

Rendon's [work](#) on [perception management](#) and information operations has also "assisted a number of US military interventions" elsewhere, as well as running US information operations in Argentina, Colombia, Haiti, and Zimbabwe—in fact, a total of 99 countries. As a former executive director and national political director of the Democratic Party, John Rendon remains a powerful figure in Washington under the Obama administration.

Pentagon records [show](#) that [TRG has received over \\$100 million from the DoD since 2000.](#) In 2009, the US government cancelled a 'strategic communications' contract with TRG after revelations it was being used to weed out reporters who might write negative stories about the US military in Afghanistan, and to solely promote journalists supportive of US policy. Yet in 2010, the Obama administration re-contracted Rendon to supply services for "military deception" in Iraq.

Since then, TRG has provided advice to the US Army's Training and Doctrine Command, the Special Operations Command, and is still [contracted](#) to the Office of the Secretary of Defense, the US Army's Communications Electronic Command, as well as providing "communications support" to the Pentagon and US embassies on counter-narcotics operations.

TRG also boasts on its [website](#) that it provides "[Irregular Warfare Support,](#)" including "operational and planning support" that "assists our government and military clients in developing new approaches to countering and eroding an adversary's power, influence and will." Much of this support has itself been fine-tuned over the last decade or more inside the Pentagon Highlands Forum.

Irregular war and pseudo-terrorism

The Pentagon Highlands Forum's intimate link, via Rendon, to the propaganda operations pursued under Bush and Obama in support of the 'Long War,' demonstrate the [integral role of mass surveillance in both irregular warfare and 'strategic communications.'](#)

One of the major proponents of both is [Prof John Arquilla](#) of the Naval Postgraduate School, the renowned US defense analyst credited with developing the concept of 'netwar,' who today openly [advocates the need for mass surveillance and big data mining](#) to support [pre-emptive](#) operations to thwart terrorist plots. It so happens that Arquilla is another "founding member" of the Pentagon's Highlands Forum.

Much of his work on the idea of 'networked warfare,' 'networked deterrence,' 'information warfare,' and 'swarming,' largely produced for RAND under Pentagon contract, was incubated by the Forum during its early years and thus became integral to Pentagon strategy. For instance, in Arquilla's 1999 RAND study, *The Emergence of Noopolitik: Toward an American Information Strategy*, he and his co-author David Ronfeldt express their gratitude to Richard O'Neill "for his interest, support and guidance," and to "members of the Highlands Forum" for their advance comments on the study. Most of his RAND work credits the Highlands Forum and O'Neill for their support.

Prof. John Arquilla of the Naval Postgraduate School, and a founding member of the Pentagon Highlands Forum

Arquilla's work was cited in a 2006 National Academy of Sciences study on the future of network science commissioned by the US Army, which found based on his research that: "Advances in computer-based technologies and telecommunications are enabling social networks that facilitate group affiliations, including terrorist networks." The study conflated risks from terror and activist groups: "The implications of this fact for criminal, terror, protest and insurgency networks has been explored by Arquilla and Ronfeldt (2001) and are a common topic of discussion by groups like the Highlands Forum, which perceive that the United States is highly vulnerable to the interruption of critical networks." Arquilla went on to help develop information warfare strategies "for the military campaigns in Kosovo, Afghanistan and Iraq," according to military historian Benjamin Shearer in his biographical dictionary, *Home Front Heroes (2007)*—once again illustrating the direct role played by certain key Forum members in executing Pentagon information operations in war theatres.

In his 2005 *New Yorker* investigation, the Pulitzer Prize-winning Seymour Hersh referred to a series of articles by Arquilla elaborating on a new strategy of "countering terror" with pseudo-terror. "It takes a network to fight a network," said Arquilla, drawing on the thesis he had been promoting in the Pentagon through the Highlands Forum since its founding:

"When conventional military operations and bombing failed to defeat the Mau Mau insurgency in Kenya in the 1950s, the British formed teams of friendly Kikuyu tribesmen who went about pretending to be terrorists. These 'pseudo gangs', as they were called, swiftly threw the Mau Mau on the defensive, either by befriending and then ambushing bands of fighters or by guiding bombers to the terrorists' camps."

Arquilla went on to advocate that western intelligence services should use the British case as a model for creating new "pseudo gang" terrorist groups, as a way of undermining "real" terror networks:

"What worked in Kenya a half-century ago has a wonderful chance of undermining trust and recruitment among today's terror networks. Forming new pseudo gangs should not be difficult."

Essentially, Arquilla's argument was that as only networks can fight networks, the only way to defeat enemies conducting irregular warfare is to use techniques of irregular warfare against them. Ultimately, the determining factor in victory is not conventional military defeat *per se*, but the extent to which the direction of the conflict can be calibrated to influence the population and rally their opposition to the adversary. Arquilla's 'pseudo-gang' strategy was, Hersh reported, already being implemented by the Pentagon:

"Under Rumsfeld's new approach, I was told, US military operatives would be permitted to pose abroad as corrupt foreign businessmen seeking to buy contraband items that could be used in nuclear-weapons systems. In some cases, according to the Pentagon advisers, local citizens could be recruited and asked to join up with guerrillas or terrorists..."

The new rules will enable the Special Forces community to set up what it calls 'action teams' in the target countries overseas which can be used to find and eliminate terrorist organizations. 'Do you remember the right-wing execution squads in El Salvador?' the former high-level intelligence official asked me, referring to the military-led gangs that committed atrocities in the early nineteen-eighties. 'We founded them and we financed them,' he said. 'The objective now is to recruit locals in any area we want. And we aren't going to tell Congress about it.' A former military officer, who has knowledge of the Pentagon's commando capabilities, said, 'We're going to be riding with the bad boys.'"

Official corroboration that this strategy is now operational came with the leak of a 2008 US Army special operations field manual. The US military, the manual said, can conduct irregular and unconventional

[warfare](#) by using surrogate non-state groups such as “paramilitary forces, individuals, businesses, foreign political organizations, resistant or insurgent organizations, expatriates, transnational terrorism adversaries, disillusioned transnational terrorism members, black marketers, and other social or political ‘undesirables.’” Shockingly, the manual specifically acknowledged that US special operations can involve both counterterrorism and “Terrorism,” as well as: “[Transnational criminal activities, including narco-trafficking, illicit arms-dealing, and illegal financial transactions.](#)” The purpose of such [covert operations](#) is, essentially, [population control](#)—they are “specifically focused on leveraging some portion of the indigenous population to accept the status quo,” or to accept “whatever political outcome” is being imposed or negotiated.

By this twisted logic, terrorism can in some cases be defined as a legitimate tool of US statecraft by which to influence populations into accepting a particular “political outcome”—all in the name fighting terrorism.

Is this what the Pentagon was doing by [coordinating](#) the nearly [\\$1 billion of funding from Gulf regimes to anti-Assad rebels](#), most of which according to the CIA’s own classified assessments [ended up in the coffers of violent Islamist extremists linked to al-Qaeda, who went on to spawn the ‘Islamic State’?](#)

The rationale for the new strategy was first officially set out in an August 2002 briefing for the Pentagon’s Defense Science Board, which advocated the creation of a ‘[Proactive, Preemptive Operations Group](#)’ (P2OG) within the National Security Council. P2OG, the Board proposed, must conduct clandestine operations to infiltrate and “stimulate reactions” among terrorist networks to provoke them into action, and thus facilitate targeting them.

The Defense Science Board is, like other Pentagon agencies, intimately related with the Highlands Forum, whose work feeds into the Board’s research, which in turn is regularly presented at the Forum.

According to the US intelligence [sources who spoke to Hersh, Rumsfeld](#) had ensured that the new brand of black operations would be conducted entirely under Pentagon jurisdiction, firewalled off from the CIA and regional US military commanders, and executed by its own secret special operations command. That [chain of command](#) would include, apart from the defense secretary himself, two of his deputies including the undersecretary of defense for intelligence: the position overseeing the Highlands Forum.

Strategic communications: war propaganda at home and abroad

Within the Highlands Forum, the special operations techniques explored by Arquilla have been taken up by several others in directions focused [increasingly on propaganda](#)—among them, Dr. Lochard, as seen previously, and also Dr. Amy Zalman, who focuses particularly on the idea of the US military using ‘strategic narratives’ to [influence public opinion](#) and win wars.

Like her colleague, Highlands Forum founding member Jeff Cooper, Zalman was schooled in the bowels of SAIC/Leidos. From 2007 to 2012, she was a senior SAIC strategist, before becoming Department of Defense Information Integration Chair at the US Army’s National War College, where she focused on how to fine-tune propaganda to elicit the precise responses desired from target groups, based on complete understanding of those groups. As of summer last year, she became CEO of the [World Futures Society](#).

Dr. Amy Zalman, an ex-SAIC strategist, is CEO of the World Futures Society, and a long-time Pentagon Highlands Forum delegate consulting for the US government on strategic communications in irregular warfare

In 2005, the same year Hersh reported that the Pentagon strategy of “stimulating reactions” among terrorists by provoking them was underway, Zalman delivered a [briefing](#) to the Pentagon Highlands Forum titled, *‘In Support of a Narrative Theory Approach to US Strategic Communication.’* Since then, Zalman has been a long-time [Highlands Forum delegate](#), and has presented her work on strategic communications to a range of US government agencies, NATO forums, as well as teaching courses in irregular warfare to soldiers at the US Joint Special Operations University.

Her 2005 Highlands Forum briefing is not publicly available, but the thrust of Zalman’s input into the information component of Pentagon special operations strategies can be gleaned from some of her published work. In 2010, when she was still attached to SAIC, her [NATO paper](#) noted that a key component of irregular war is “winning some degree of emotional support from the population by influencing their subjective perceptions.” She advocated that the best way of achieving such influence goes far further than traditional

propaganda and messaging techniques. Rather, analysts must “place themselves in the skins of the people under observation.”

Zalman released another [paper](#) the same year via the IO Journal, published by the Information Operations Institute, which describes itself as a “special interest group” of the Association of Old Crows. The latter is a professional association for theorists and practitioners of electronic warfare and information operations, chaired by Kenneth Israel, vice president of Lockheed Martin, and vice chaired by David Himes, who retired last year from his position as senior advisor in electronic warfare at the US Air Force Research Laboratory.

In this paper, titled *Narrative as an Influence Factor in Information Operations*, Zalman laments that the US military has “found it difficult to create compelling narratives—or stories—either to express its strategic aims, or to communicate in discrete situations, such as civilian deaths.” By the end, she concludes that “the complex issue of civilian deaths” should be approached not just by “apologies and compensation”—which barely occurs anyway—but by propagating narratives that portray characters with whom the audience connects (in this case, ‘the audience’ being ‘populations in war zones’). This is to facilitate the audience resolving struggles in a “positive way,” defined, of course, by US military interests. Engaging emotionally in this way with “survivors of those dead” from US military action might “prove to be an empathetic form of influence.” Throughout, Zalman is incapable of questioning the legitimacy of US strategic aims, or acknowledging that the impact of those aims in the accumulation of civilian deaths, is precisely the problem that needs to change—as opposed to the way they are ideologically framed for populations subjected to military action.

‘Empathy,’ here, is merely an instrument by which to **manipulate**.

In 2012, Zalman wrote an article for *The Globalist* seeking to demonstrate how the rigid delineation of ‘hard power’ and ‘soft power’ needed to be overcome, to recognize that the use of force requires the right symbolic and cultural effect to guarantee success:

“As long as defense and economic diplomacy remain in a box labeled ‘hard power,’ we fail to see how much their success relies on their symbolic effects as well as their material ones. As long as diplomatic and cultural efforts are stored in a box marked ‘soft power,’ we fail to see the ways in which they can be used coercively or produce effects that are like those produced by violence.”

Given SAIC’s deep involvement in the Pentagon Highlands Forum, and through it the development of information strategies on surveillance, irregular warfare, and propaganda, it is hardly surprising that SAIC was the other key private defense firm contracted to **generate propaganda** in the run up to Iraq War 2003, alongside TRG.

“SAIC executives have been involved at every stage... of the war in Iraq,” reported *Vanity Fair*, ironically, in terms of deliberately **disseminating false claims about WMD**, and then investigating the ‘intelligence failure’ around false WMD claims. David Kay, for instance, who had been hired by the CIA in 2003 to hunt for Saddam’s WMD as head of the Iraq Survey Group, was until October 2002 a senior SAIC vice president hammering away “at the threat posed by Iraq” under Pentagon contract. When WMD failed to emerge, President Bush’s commission to investigate this US ‘intelligence failure’ included three SAIC executives, among them **Highlands Forum founding member Jeffrey Cooper**. The very year of Kay’s appointment to the Iraq Survey Group, Clinton’s defense secretary William Perry—the man under whose orders the Highlands Forum was set-up—joined the board of SAIC. The investigation by Cooper and all let the Bush administration off the hook for manufacturing propaganda to legitimize war—unsurprisingly, given Cooper’s integral role in the very Pentagon network that manufactured that propaganda.

SAIC was also among the many contractors that profited handsomely from Iraqi reconstruction deals, and was **re-contracted** after the war to promote pro-US narratives abroad. In the same vein as Rendon’s work, the idea was that stories planted abroad would be picked up by US media for domestic consumption.

Delegates at the Pentagon’s 46th Highlands Forum in December 2011, from right to left: John Seely Brown, chief scientist/director at Xerox PARC from 1990–2002 and an early board member of In-Q-Tel; Ann Pendleton-Jullian, co-author with Brown of a manuscript, *Design Unbound*; Antonio and Hanna Damasio, a neurologist and neurobiologist respectively who are part of a DARPA-funded project on propaganda

But the Pentagon Highlands Forum's promotion of advanced propaganda techniques is not exclusive to core, longstanding delegates like Rendon and Zalman. In 2011, the Forum hosted two DARPA-funded scientists, Antonio and Hanna Damasio, who are principal investigators in the 'Neurobiology of Narrative Framing' project at the University of Southern California. Evoking Zalman's emphasis on the need for Pentagon psychological operations to deploy "empathetic influence," the new DARPA-backed project aims to investigate how narratives often appeal "to strong, sacred values in order to evoke an emotional response," but in different ways across different cultures. The most disturbing element of the research is its focus on trying to understand how to increase the Pentagon's capacity to deploy narratives that influence listeners in a way that overrides conventional reasoning in the context of morally-questionable actions.

The project description explains that the psychological reaction to narrated events is "influenced by how the narrator frames the events, appealing to different values, knowledge, and experiences of the listener." Narrative framing that "targets the sacred values of the listener, including core personal, nationalistic, and/or religious values, is particularly effective at influencing the listener's interpretation of narrated events," because such "sacred values" are closely tied with "the psychology of identity, emotion, moral decision making, and social cognition." By applying sacred framing to even mundane issues, such issues "can gain properties of sacred values and result in a strong aversion to using conventional reasoning to interpret them." The two Damasios and their team are exploring what role "linguistic and neuropsychological mechanisms" play in determining "the effectiveness of narrative framing using sacred values in influencing a listener's interpretation of events."

The research is based on extracting narratives from millions of American, Iranian and Chinese weblogs, and subjecting them to automated discourse analysis to compare them quantitatively across the three languages. The investigators then follow up using behavioral experiments with readers/listeners from different cultures to gauge their reaction different narratives "where each story makes an appeal to a sacred value to explain or justify a morally-questionable behavior of the author." Finally, the scientists apply neurobiological fMRI scanning to correlate the reactions and personal characteristics of subjects with their brain responses.

Why is the Pentagon funding research investigating how to exploit people's "sacred values" to extinguish their capacity for logical reasoning, and enhance their emotional openness to "morally-questionable behavior"?

The focus on English, Farsi and Chinese may also reveal that the Pentagon's current concerns are overwhelmingly about developing information operations against two key adversaries, Iran and China, which fits into longstanding ambitions to project strategic influence in the Middle East, Central Asia and Southeast Asia. Equally, the emphasis on English language, specifically from American weblogs, further suggests the Pentagon is concerned about projecting propaganda to influence public opinion at home.

Rosemary Wenchel (left) of the US Department of Homeland Security with Jeff 'Skunk' Baxter, a former musician and now US defense consultant who has worked for contractors like SAIC and Northrup Grumman. SAIC/Leidos executive Jeff Cooper is behind them

Lest one presume that DARPA's desire to mine millions of American weblogs as part of its 'neurobiology of narrative framing' research is a mere case of random selection, an additional co-chair of the Pentagon Highlands Forum in recent years is Rosemary Wenchel, former director of cyber capabilities and operations support at the Office of the Secretary of Defense. Since 2012, Wenchel has been deputy assistant secretary for strategy and policy in the Department of Homeland Security.

As the Pentagon's extensive funding of propaganda on Iraq and Afghanistan demonstrates, population influence and propaganda is critical not just in far-flung theatres abroad in strategic regions, but also at home, to quell the risk of domestic public opinion undermining the legitimacy of Pentagon policy. In the photo above, Wenchel is talking to Jeff Baxter, a long-time US defense and intelligence consultant. In September 2005, Baxter was part of a supposedly "independent" [study group](#) (chaired by NSA-contractor Booz Allen Hamilton) commissioned by the Department of Homeland Security, which recommended a **greater role for US spy satellites in monitoring the domestic population.**

Meanwhile, **Zalman and Rendon**, while both remaining closely involved in the Pentagon Highlands Forum, continue to be courted by the US military for their expertise on information operations. In October 2014, both participated in a major **Strategic Multi-Layer Assessment conference** sponsored by the US Department of Defense and the Joint Chiefs of Staff, titled **'A New Information Paradigm? From Genes to "Big Data" and Instagram to Persistent Surveillance... Implications for National Security.'** Other delegates represented senior US military officials, defense industry executives, intelligence community officials, Washington think-tanks, and academics.

John Rendon, CEO of The Rendon Group, at a Highlands Forum session in 2010

Rendon and SAIC/Leidos, two firms that have been central to the very evolution of Pentagon information operations strategy through their pivotal involvement in the Highlands Forum, continue to be contracted for key operations under the Obama administration. A US General Services Administration [document](#), for instance, shows that Rendon was granted a major **2010–2015** contract providing general media and communications support services across federal agencies. Similarly, **SAIC/Leidos has a \$400 million 2010–2015 contract** with the US Army Research Laboratory for **"Expeditionary Warfare; Irregular Warfare; Special Operations; Stabilization and Reconstruction Operations"**—a contract which is "being prepared now for recomplete."

The empire strikes back

Under Obama, the nexus of corporate, industry, and financial power represented by the interests that participate in the Pentagon Highlands Forum has consolidated itself to an unprecedented degree.

Coincidentally, the [very day](#) Obama announced Hagel's resignation, the DoD issued a [media release](#) highlighting how Robert O. Work, Hagel's deputy defense secretary appointed by Obama in 2013, planned to take forward the Defense Innovation Initiative that Hagel had just announced a week earlier. The new initiative was focused on ensuring that the Pentagon would undergo a **long-term transformation** to keep up with leading edge disruptive technologies across information operations.

Whatever the real reasons for Hagel's ejection, this was a symbolic and tangible victory for Marshall and the Highlands Forum vision. Highlands Forum co-chair Andrew Marshall, head of the ONA, may indeed be retiring. But the post-Hagel Pentagon is now staffed with his followers.

Robert Work, who now presides over the **new DoD transformation scheme**, is a loyal Marshall acolyte who had previously directed and analyzed war games for the Office of Net Assessment. Like Marshall, Wells, O'Neill and other Highlands Forum members, Work is also a **robot fantasist who lead authored the study, *Preparing for War in the Robotic Age***, published early last year by the Center for a New American Security (CNAS).

Work is also pitched to **determine the future of the ONA**, assisted by his **strategist Tom Ehrhard** and DoD undersecretary for intelligence Michael G. Vickers, under whose authority the Highlands Forum currently runs. **Ehrhard, an advocate of "integrating disruptive technologies in DoD,"** previously served as Marshall's military assistant in the ONA, while **Mike Vickers**—who oversees surveillance agencies like the NSA—was also previously hired by Marshall to consult for the Pentagon.

Vickers is also a leading proponent of [irregular warfare](#). As assistant defense secretary for special operations and [low intensity conflict](#) under former defense secretary Robert Gates in both the Bush and Obama administrations, Vickers's irregular warfare vision pushed for "distributed operations across the world," including "in scores of countries with which the US is not at war," as part of a program of "counter network warfare" using a ["network to fight a network"](#)—a strategy which of course has the Highlands Forum all over it. In his previous role under Gates, Vickers increased the budget for special operations including psychological operations, stealth transport, Predator drone deployment and ["using high-tech surveillance and reconnaissance to track and target terrorists and insurgents."](#)

To replace Hagel, Obama nominated Ashton Carter, former deputy defense secretary from 2009 to 2013, whose expertise in budgets and procurement according to the *Wall Street Journal* is "expected to boost some of the initiatives championed by the current Pentagon deputy, Robert Work, including an effort to develop new strategies and technologies to preserve the US advantage on the battlefield."

Back in 1999, after three years as Clinton's assistant defense secretary, Carter co-authored a [study](#) with former defense secretary William J. Perry advocating a new form of 'war by remote control' facilitated by ["digital technology and the constant flow of information."](#) One of Carter's colleagues in the Pentagon during his tenure at that time was Highlands Forum co-chair Linton Wells; and it was Perry of course that as then-defense secretary appointed Richard O'Neill to set-up the Highlands Forum as the Pentagon's IO think-tank back in 1994.

Highlands Forum overlord Perry went on to join the board of SAIC, before eventually becoming chairman of another giant defense contractor, [Global Technology Partners \(GTP\)](#). And Ashton Carter was on GTP's board under Perry, before being nominated to defense secretary by Obama. During Carter's previous Pentagon stint under Obama, he worked closely with Work and current undersecretary of defense Frank Kendall. Defense [industry sources](#) rejoice that the new Pentagon team will "dramatically improve" chances to "push major reform projects" at the Pentagon "across the finish line."

Indeed, Carter's [priority](#) as defense chief nominee is identifying and acquiring new commercial ["disruptive technology" to enhance US military strategy—in other words, executing the DoD Skynet plan.](#)

The origins of the Pentagon's new innovation initiative can thus be traced back to ideas that were widely circulated inside the Pentagon decades ago, but which failed to take root fully until now. Between 2006 and 2010, the same period in which such ideas were being developed by Highlands Forum experts like Lochard, Zalman and Rendon, among many others, the Office of Net Assessment provided a direct mechanism to channel these ideas into concrete strategy and policy development through the Quadrennial Defense Reviews, where Marshall's input was [primarily responsible](#) for the expansion of the "black" world: "special operations," "electronic warfare" and "information operations."

Andrew Marshall, now retired head of the DoD's Office of Net Assessment and Highlands Forum co-chair, at a Forum session in 2008

Marshall's pre-9/11 [vision](#) of a fully networked and automated military system found its fruition in the Pentagon's [Skynet study](#) released by the National Defense University in September 2014, which was co-authored by Marshall's colleague at the Highlands Forum, Linton Wells. Many of Wells' recommendations are now to be executed via the new Defense Innovation Initiative by veterans and affiliates of the ONA and Highlands Forum.

Given that Wells' white paper highlighted the Pentagon's keen interest in monopolizing AI research to monopolize autonomous networked robot warfare, it is not entirely surprising that the Forum's sponsoring partners at SAIC/Leidos display a bizarre sensitivity about public use of the word 'Skynet.'

On a Wikipedia [entry](#) titled 'Skynet (fictional)', people using SAIC computers deleted several paragraphs under the 'Trivia' section pointing out real-world 'Skynets', such as the British military satellite system, and various information technology projects.

Hagel's departure paved the way for Pentagon officials linked to the Highlands Forum to consolidate government influence. These officials are embedded in a longstanding shadow network of political, industry, media and corporate officials that sit invisibly behind the seat of government, yet literally write its foreign and

domestic national security policies whether the administration is Democrat or Republican, by contributing 'ideas' and forging government-industry relationships.

It is this sort of closed-door networking that has rendered the American vote pointless. Far from protecting the public interest or helping to combat terrorism, the comprehensive monitoring of electronic communications has been systematically abused to empower vested interests in the energy, defense, and IT industries.

The state of permanent global warfare that has resulted from the Pentagon's alliances with private contractors and unaccountable harnessing of information expertise, is not making anyone safer, but has spawned a new generation of terrorists in the form of the so-called 'Islamic State'—itself a Frankenstein [by-product](#) of the putrid combination of Assad's brutality and longstanding US covert operations in the region. This Frankenstein's existence is now being cynically [exploited](#) by private contractors seeking to profit exponentially from expanding the national security apparatus, at a time when economic volatility has pressured governments to slash defense spending.

According to the [Securities and Exchange Commission](#), from 2008 to 2013, the five largest US defense contractors [lost 14 percent of their employees](#), as the winding down of US wars in Iraq and Afghanistan [led to lack of business](#) and squeezed revenues. [The continuation of the 'Long War' triggered by ISIS has, for now, reversed their fortunes.](#) Companies profiting from the new war include [many](#) connected to the Highlands Forum, such as Leidos, Lockheed Martin, Northrup Grumman, and Boeing. [War is, indeed, a racket.](#)

No more shadows

Yet in the long-run, the information imperialists have [already failed](#). This investigation is based entirely on open source techniques, made viable largely in the context of the same information revolution that enabled Google. The investigation has been funded entirely by members of the public, through crowd-funding. And the investigation has been published and distributed outside the circuits of traditional media, precisely to make the point that in this new digital age, centralized top-down concentrations of power cannot overcome the power of people, their love of truth and justice, and their desire to share.

What are the lessons of this irony? Simple, really: The information revolution is inherently decentralized, and decentralizing. It cannot be controlled and co-opted by Big Brother. Efforts to do so will in the end invariably fail, in a way that is ultimately self-defeating.

The latest mad-cap Pentagon initiative to dominate the world through control of information and information technologies, is not a sign of the all-powerful nature of the shadow network, but rather a symptom of its deluded desperation as it [attempts to ward off the acceleration of its hegemonic decline.](#)

But the decline is well on its way. And this story, like so many before it, is one small sign that the opportunities to mobilize the information revolution for the benefit of all, despite the efforts of power to hide in the shadows, are [stronger](#) than ever.

[READ PART ONE](#)

Dr Nafeez Ahmed is an investigative journalist, bestselling author and international security scholar. A former Guardian writer, he writes the 'System Shift' column for VICE's Motherboard, and is also a columnist for Middle East Eye. He is the winner of a 2015 Project Censored Award for Outstanding Investigative Journalism for his Guardian work.

HEALTHCARE MONOPOLY

Hearst "brain" →

FDB

Patient records, diagnosis and drug treatments.

Hearst "voice" →

ABC/NBC

Outputs media propaganda.

"Central nervous system"

← **McKesson Corp.**



CDC

Under

"regulatory capture" directs pseudo-science

Blackrock

Blackstone

Hearst
VENTURES

SSSSS

FDA/FTC

Under

"regulatory capture" approves drugs, vaccines and media advertising

McChrystal Group

Directs social media

"trolls" smearing all competition.

Google/YouTube

Censors competition and promotes the unfair and deceptive trade.



7.5 Suppressed History: How the CIA and NSA Helped Create Google to Spy on Citizens²²

Note: The problem we find ourselves in today is intelligence agencies infiltrating our private/public space not in the public interest but viewing the public as some form of enemy. Particularly at this time under the biosecurity act they can legally render everyone a threat, even though healthy people are not, which reveals the intentions are negative and not in the interests of humanity. Here are excerpts from the article of the suppressed history of CIA/NSA and NSF providing an interface between science and intelligence. Do we follow the science – no, it is not safe. "...In the early 1990s, the US intelligence community launched a daring initiative — in conjunction with leading universities and firms in California's burgeoning 'Silicon Valley', spying agencies sought to perfect a means of tracking the activities of groups and individuals on the then-embryonic world wide web. Then, a supercomputing revolution was rapidly pullulating, and the US surveillance state wasn't prepared to sit idly by — the Central Intelligence Agency (CIA) and National Security Agency (NSA), among others, wished to direct and influence the upheaval for their own ends, creating an online milieu facilitating their desire to collect and understand vast quantities of data on private citizens. In addition to laying the foundations of the modern global surveillance superstate, this collaboration would help launch a number of major companies of modern prominence — among them, Google. Plausible Deniability: So it was in 1993, the US intelligence community launched Massive Digital Data Systems (MDDS), a research and development program. The project was pitched to leading computer scientists at leading universities — including CalTech, Harvard, MIT, and Stanford — in a whitepaper setting out the challenges the agencies faced, and what they hoped to achieve. To achieve these goals, the agencies would — under the auspices the National Science Foundation (NSF) — provide over a dozen grants worth several million each to teams at different universities, in order to identify sort the 'digital fingerprints' of individuals and groups online, linking and ranking their queries in order of importance, deciphering any meaningful patterns that emerged from the data morass, and tracking their future digital trails. If successful, any architecture grant recipients created in their universities would be passed to the private sector for scaling up. A vast number of tech companies of modern prominence got their 'break' in this manner — Google would soon become one of them. The team was already on the intelligence community's radar, having previously received a research grant from the NSF and Defense Advanced Research Projects Agency, which aimed to build a voluminous, searchable digital library via the internet. Among their number were two graduate students who'd made huge, pioneering advances in the field of webpage ranking and user query tracking — Sergey Brin and Larry Page. Research produced under both grants would in time form the very raison d'etre of the pair's branchchild, Google — finding specific information from a vast data set. It was also exactly what the CIA and NSA had hoped to create...."

Defence Advance Research Project Agency (DARPA) and funder of the coronavirus and Pirbright Institute. "...Throughout the development of the search engine, Brin regularly reported on his project's progress to Dr. Bhavani Thuraisingham, and Dr. Rick Steinheiser. Neither were connected to Stanford — Thuraisingham was an employee of US defense contractor MITRE Corp, leading research and development efforts for the NSA, CIA, US Air Force Research Laboratory and US Navy's Space and Naval Warfare Systems Command, while Steinheiser worked directly for the CIA's internal Research and Development department..

The suggestion the CIA assisted in the creation of Google in some way or other is almost as old as the company itself, and it's an allegation the company has repeatedly and vehemently denied. For instance, in 2006 it was widely reported Google had a long-standing relationship with US intelligence agencies, receiving funding from the community along the way. A spokesperson for the firm strongly rebutted the claims, referring to them as "completely untrue"... the company's officially sanctioned history makes no reference to the MDDS grant, despite acknowledging the NSF/DARPA grant. Likewise, Stanford's Infolab entry on Google's beginning omits MDDS entirely, merely stating the "development of the Google algorithms was carried on on a variety of Computers, mainly provided by the NSF-DARPA-NASA-funded Digital Library project at Stanford".

For its part, the NSF's article 'On the Origins of Google' similarly refers merely to NASA and DARPA only — and Brin and Page's research paper, The Anatomy of a Large-Scale Hypertextual Web Search Engine, an oft-cited document describing how the pair created Google, makes no mention of MDDS whatsoever. In fact, if it wasn't for Thuraisingham's testimony, little public record of an MDDS grant being awarded to Brin and Page would exist. One supporting source is Professor Jeffrey D. Ullman's naming of Google as a product of the project's research in a 2000 report.

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OPINION Kit Klarenberg

²² <https://sputniknews.com/analysis/201809271068358816-google-cia-nsa-creation/>

16:00 27.09.2018

In commemoration of **Google's 20th birthday**, many mainstream media organizations - and the company itself - have published condensed histories of the search engine giant, **chronicling key moments** in the firm's two-decade saga. Missing from each is the story of how the CIA and other US spying agencies helped fund its creation.

In the **early 1990s, the US intelligence community launched a daring initiative** — in conjunction with leading universities and firms in California's burgeoning 'Silicon Valley', spying agencies sought to perfect a means of **tracking the activities of groups and individuals** on the then-embryonic **world wide web**.

Then, a supercomputing revolution was rapidly pullulating, and the US surveillance state wasn't prepared to sit idly by — the Central Intelligence Agency (CIA) and National Security Agency (NSA), among others, **wished to direct and influence** the upheaval for their own ends, creating an online milieu facilitating their desire to collect and understand vast quantities of data on private citizens.

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Silicon Valley from above

In addition to **laying the foundations of the modern global surveillance superstate**, this collaboration would help launch a number of major companies of modern prominence — among them, Google.

Plausible Deniability

So it was in 1993, the US intelligence community launched **Massive Digital Data Systems** (MDDS), a research and development program. The project **was pitched** to leading computer scientists at leading universities — including **CalTech, Harvard, MIT, and Stanford** — in a whitepaper setting out the challenges the agencies faced, and what they hoped to achieve.

"Changing demands require the IC [Intelligence Community] process different types as well as larger volumes of data. Consequently, the IC is taking a proactive role in **stimulating research** in efficient management of **massive databases** and ensuring IC requirements can be incorporated or adapted into commercial products. The challenges are not unique to any one agency...Community Management Staff has commissioned a **Massive Digital Data Systems Working Group** to address the needs and to identify and evaluate possible solutions," the briefing stated.

© REUTERS / LARRY DOWNING/FILES

To achieve these goals, the agencies would — under the auspices the **National Science Foundation (NSF)** — provide over a dozen grants worth several million each to teams at different universities, in order to identify sort the **'digital fingerprints'** of individuals and groups online, **linking and ranking their queries** in order of importance, deciphering any meaningful patterns that emerged from the data morass, and tracking their future digital trails.

If successful, any architecture grant recipients created in their universities would be passed to the private sector for scaling up. A vast number of tech companies of modern prominence got their 'break' in this manner — **Google would soon become one of them**.

Talky Nerdy to Me

[One MDDS grant](#) was allocated to a computer-science research team at [Stanford University](#) — its primary objective was crafting "techniques for query [optimization of very complex queries](#) described using the 'query flocks' approach.

The team was already on the intelligence community's radar, [having previously received](#) a research grant from the [NSF and Defense Advanced Research Projects Agency](#), which aimed to build a voluminous, searchable digital library via the internet. Among their number were two graduate students who'd made huge, pioneering advances in the field of webpage ranking and user query tracking — Sergey Brin and Larry Page.

Research produced under both grants would in time form the very raison d'etre of the pair's branchchild, Google — finding specific information from a [vast data set](#). It was also exactly what the [CIA and NSA had hoped to create](#).

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DARPA

Throughout the development of the search engine, Brin [regularly reported](#) on his project's progress to Dr. Bhavani Thuraisingham, and Dr. Rick Steinheiser. [Neither were connected to Stanford](#) — Thuraisingham was an employee of [US defense contractor MITRE Corp](#), leading research and development efforts for the [NSA, CIA, US Air Force Research Laboratory and US Navy's Space and Naval Warfare Systems Command](#), while Steinheiser worked directly for the CIA's internal Research and Development department.

"Google founder Sergey Brin was [partly-funded](#) by this program while a PhD student at Stanford. He together with his advisor Prof. Jeffrey D. Ullman and my colleague at MITRE, Dr. Chris Clifton, developed the [Query Flocks System](#) which produced solutions for mining large amounts of data stored in databases. I remember visiting Stanford with Dr. Rick Steinheiser and Brin would rush in on roller blades, give his presentation and rush out. In fact the last time we met in September 1998, [Brin demonstrated to us his search engine which became Google soon after](#)," [Thuraisingham has written](#).

Lying via Omission?

The suggestion the [CIA assisted in the creation of Google](#) in some way or other is almost as old as the company itself, and it's an allegation the company has repeatedly and vehemently denied. For instance, in 2006 it was [widely reported](#) Google had a long-standing relationship with US intelligence agencies, receiving [funding from the community](#) along the way. A spokesperson for the firm strongly rebutted the claims, [referring to them](#) as "completely untrue".

Moreover, the company's officially sanctioned history makes [no reference](#) to the MDDS grant, despite acknowledging the NSF/DARPA grant. Likewise, [Stanford's Infolab entry](#) on Google's beginning omits MDDS entirely, merely stating the "development of the Google algorithms was carried on on a variety of Computers, mainly provided by the NSF-DARPA-NASA-funded Digital Library project at Stanford".

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Google CEO Larry Page

For its part, the [NSF's article](#) 'On the Origins of Google' similarly [refers merely to NASA and DARPA only](#) — and Brin and Page's research paper, *The Anatomy of a Large-Scale Hypertextual Web Search Engine*, an oft-cited document describing how the pair created Google, makes [no mention of MDDS whatsoever](#).

In fact, if it wasn't for Thuraisingham's testimony, little public record of an MDDS grant being awarded to Brin and Page would exist. One supporting source is Professor Jeffrey D. Ullman's naming of Google as a product of the project's research in a [2000 report](#). © AP PHOTO / ERIC RISBERG

Google co-founder Sergey Brin

"Last year, we mentioned two startups that developed from research under this and predecessor grants, Junglee Corp., bought by Amazon.com in 1998, applied information-integration technology to the

Web. Google is a search engine company whose growth has brought it to the first rank, and is growing faster than any of its competitors. Its core technology, which allows it to find pages far more accurately than other search engines, was partially supported by this grant," he wrote.

Another is a [1998 research paper](#) naming Brin and Page as authors, which lists some of the pair's most significant work, and refers to Brin as "partially supported by the Community Management Staff's Massive Digital Data Systems Program, NSF grant".

7.6 Background to Coronavirus Pandemic

7.6.1 Coronavirus, QinetiQ, and the Rothschild Bombshell – American Intelligence Media

Author of this analysis: The American Intelligence Media is more than an alternative news site or a cutting-edge news aggregator. Citizens are rewriting history—real time, based on truth, not on the lies of the main stream media and government controlled propaganda. The mission of AIM4Truth is to archive the progress we are making as we find out who we really are and where we really came from and are headed.



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The site consists of two main features—daily news and research articles. The daily news is gathered at the top of the site and focuses on the unfolding current events that support the truth of our history.

*The articles below **the CAT Reports** make up our "mountain of evidence of HIGH TREASON, mounting every day as we post our deeply researched articles on the people, places, and events that have conspired to take away Americans' life, liberty, and property.*

We welcome readers from around the world to follow our site because as we unravel the lies and crimes of the elite global cabal in America, you will be better able to recognize the deception in your own governments and leaders/rulers.

*Drop in any time to start or continue your **truth history lesson** by reading any article from the bottom to the top, or whatever resonates with you in the moment. Once you know the deep truth of what has really happened to our country and the world, you will be able to look at the day's events with a discerning eye. **And, believe us, the elite cabal running this planet do not want We the People to know the truth of their crimes and treason.** Once you reach the end of the article, please add your thoughtful comment for others to read.*

We are all in this together! (that is the theme!!)

<https://aim4truth.org/2020/02/28/coronavirus-qinetiq-and-the-rothschild-bombshell/>



CORONAVIRUS UNCOVERS ROTHSCHILD LORD PIRBRIGHT AS KEY TO THE 140-YR. PILGRIMS SOCIETY MONOPOLY OVER WORLD CULTURE, COMMERCE & WAR

The British Crown and the C.I.A. teamed up treasonously via QinetiQ Group Plc controlled by the Monarch.

Lord Pirbright (Rothschild) and his banker cousins at N.M. Rothschild & Co. were godfathers of the 2nd Boer War concentration camps (1899-1902) to drive the French, Dutch and Germans out of South Africa

New Evidence: Leading London Jews were running the first modern war concentration camps where over 60,000 whites and blacks died, including more than 14,000 mostly white children who were subjected to Burroughs Wellcome & Co. (now Wellcome Trust–Coronavirus funder and GlaxoSmithKline) vaccine experiments.

These Privy Council and Parliamentary records have been discovered after much difficulty and missing documents

CONTRIBUTING WRITERS | OPINION | AMERICANS FOR INNOVATION | FEB. 28, 2020 | PDF | <https://tinyurl.com/utex8ys>

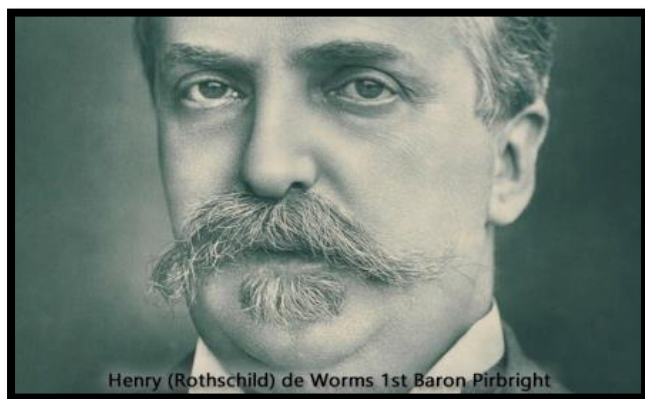


Fig. 1—Henry (Rothschild) de Worms 1st Baron Pilbright (1840-1903), also called Lord Pirbright. Baron Pilbright’s grandmother was Schönche Jeannette Rothschild (1771–1859). Her father was Mayer Amschel Rothschild (1744–1812), the founder of the Rothschild colonial banking business in Ceylon where Lord Pirbright’s father Solomon de Worms established the “Rothschild” coffee and tea plantation with slave, and nearly slave labor.

Pirbright grew up in Ceylon on “The Rothschild Plantation” where they grew coffee and tea sold through their Rothschild-financed **British East India Company**. At age 45, Baron Pirbright became the British minister of

trade and colonies (1885-1892). During those years just prior to the founding of the Pilgrims Society in 1902, Pirbright promoted **Cecil Rhodes, N.M. Rothschild, Alfred Milner and John Buchan** in the Boer Wars. He also oversaw the **British patent office** when Nikola Tesla's began filing his wireless telegraphy patents. Regarding Tesla, Pirbright secretly allowed the British Admiralty and Post Office to **steal from Tesla** using Guglielmo Marconi as their fake inventor and make monopolistic deals with Marconi Wireless.

Pirbright also coached Henry S. Wellcome and Sir Henry M. Stanley in their rapacious acquisition of valuable African **poisons and cures** used in extensive **vaccine** experimentation on human beings—including **black and Boer (German, Dutch and French) prisoners** they had put in concentration camps and performed **fatal Wellcome Trust drug experiments**. Lord Pirbright gave Cecil Rhodes an almost free hand in the British South Africa Company to write laws, collect taxes and run his own police force in their new **British Imperial-Fascist Corporatism model** for reorganizing the British Empire while continuing to **control the resources** of their colonies, even after Home Rule was implement (like **Rio Tinto** – global mining company [including uranium] that is also a Rothschild creation for the British Crown that the Monarch controls to this day), **Viscount Alfred Milner**, co-founder of the Pilgrims Society, was Rio Tinto chairman from 1923-1925, and earlier a director for many years.

Base Photo: National Portrait Gallery; Fair Use; Educational purposes only.

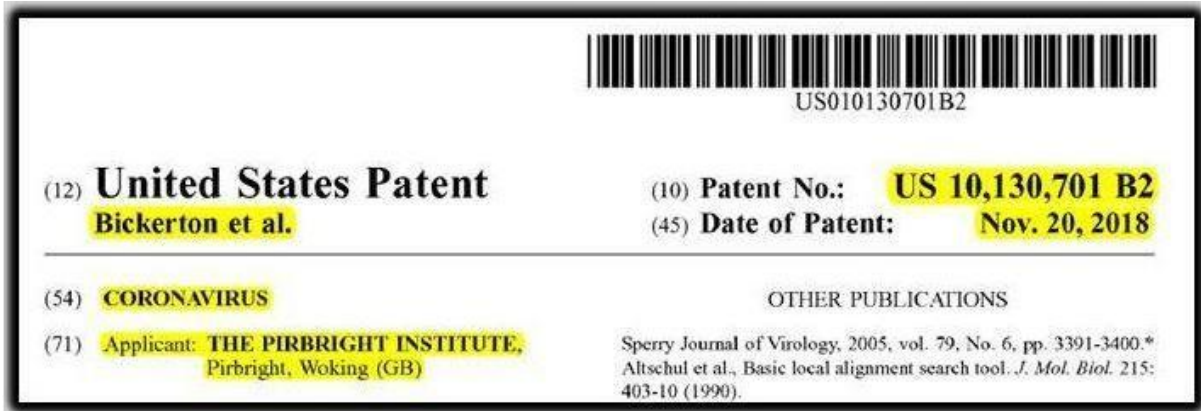
Reader Notice: This is a long post that is chock full of evidence, some emerging on the world for the first time in over 100 years. Sorry, the emerging evidence demanded it!

One thing is now certain, history has hidden the Pilgrims Society's demonic activity since before 1902 when it was founded in London during the funeral of Queen Victoria, and then 1903 when it was started in New York.

One teaser is the first chairman of the Pilgrims Society in New York on Jul. 11, 1903, attorney Lindsay Russell, became the first chairman of the Council on Foreign Relations (CFR) in 1918. Indeed, the Pilgrims created and direct the CFR, to this day.

The discovery, announced last week by Francis A. Boyle, the author of the Biological Weapons Anti-Terrorism Act of 1989 (BWATA), international law professor, indicates that the University of North Carolina was involved in prohibited bio warfare activity that helped cause the Coronavirus outbreak in China. This information adds further validity to the ultimate British origins of the Coronavirus. Bill and Melinda Gates Foundation—substantial Pirbright Institute funders—also heavily finance research at the University of North Carolina. Please return several times over the next days to pick up the new evidence.

(FEB. 20, 2020)—Once we discovered that the Coronavirus was created and patented (U.S. Pat. No. 10,130,701) by “The Pirbright Institute, Woking, Pirbright, Surrey,” we were compelled to learn more about this Pirbright organization and the village of Pirbright. See [previous post](#).



One of our conclusions from this investigation is that The Pirbright Institute is very evidently part of the **Pilgrims Society’s 200-year Rhodes-ian plan to create an un-elected one-world government where America** is made subservient to the **Pilgrims Society and its United Nations. As we are just now discovering, Rhodes had a mentor for his 200-year plan.**

As a direct result of investigations to track down the ownership of responsibility for the current Coronavirus outbreak, a new ring leader in the creation of the Pilgrims Society (1902) has just emerged from hiding in the history books.

The tracing of patent ownership lineage of “U.S. Pat. No. 10,130,701, Coronavirus” led us to The Pirbright Institute, Surrey, UK, near Woking and Guildford.

The man who appears to be the Pilgrims Society nexus point is *not* Cecil Rhodes, but rather Rhodes’ Rothschild family mentor **Henry (Rothschild) de Worms, 1st Baron Pirbright**, sometimes referenced simply as “Lord Pirbright” or “Baron Pirbright.”

The topic “Pirbright” has many tentacles.

We’ll start with the name “Pirbright.”

On the surface, Pirbright is a posh little English village in the Greater West London county of Surrey, less than 6 miles southwest of Woking and 7 miles northwest of Guildford.

However, literal Frankensteins lurk in Pirbright’s meadows.

The Pirbright Institute & Cobbett Hill Earthstation, both use British Ministry of Defense (MOD) property once owned by Henry (Rothschild) de Worms 1st Baron Pirbright. between 1886-1892 Pirbright sponsored Cecil Rhodes, Alfred Milner, N.M. Rothschild banking, the Boer Wars, the British South Africa Company, De Beers Mining, Burroughs Wellcome rape of **African medicinals**, Henry Stanley’s claims over Congo diamond and gold, theft of Nikola Tesla’s inventions, creation of Marconi Wireless as a state monopoly, Round Table, Milner’s Kindergarten, Pilgrims Society,

The Pirbright Institute is a research institute in Surrey, England, dedicated to the **study of infectious diseases** of farm animals. It is located on 200 acres of land controlled by the British Ministry of Defense (MOD), just south of the village of Pirbright.

The Pirbright Institute **has close affiliations with vaccine pharmaceuticals** including British Merial (originally a joint venture between **drug companies U.S. Merck and French Sanofi-Aventis**), German **Boehringer-Ingelheim, British Wellcome Trust**, and the **Bill and Melinda Gates Foundation**. Wellcome Trust and the Gates Foundation are the **two largest investors in pharma research on the planet and heavily fund The Pirbright Institute**.

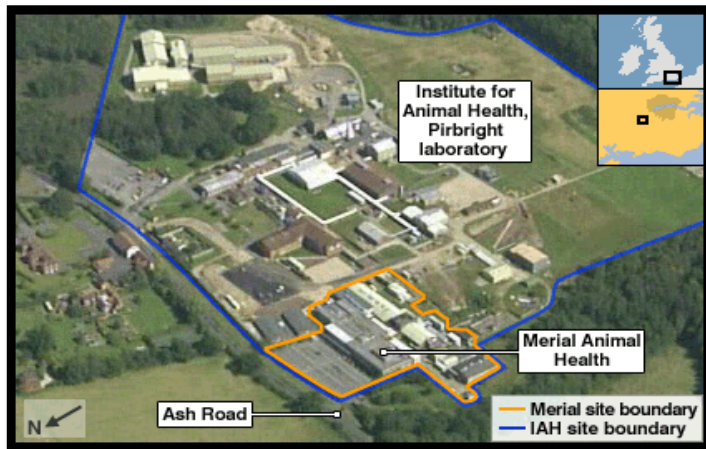


Fig. 3—[Editor. \(Aug. 05, 2007\)](#). Foot-and-mouth strain identified. *BBC News*. Institute for Animal Health, Pirbright laboratory, Merial Animal Health, Institute for Animal Health, Surrey, UK, site of the foot and mouth outbreak.

The investigation into Merial cited extreme sloppiness such as **bio security lapses**, poor drainage systems, poor maintenance and inspection, poor communications, lack of oversight of contractors working on the site, poor record-keeping, conflicts of interest within the government entities and Merial’s commercial

interests.

Merial and its key shareholder, the French company [Sanofil](#), were together acquired by German [Boehringer Ingelheim](#) on [Jan. 03, 2017](#).

Merial was founded in the UK on [Mar. 07, 1997](#) through the merger of the animal health businesses of Merck and Rhone Merieuxm (also named Sanofi-Aventis) and is **one of the top 10** players in the **UK pharmaceuticals industry**. They operate in more than 150 countries, employ more than 5,000 people, and boasted 2007 sales of £1.1billion.

[On Feb. 09, 2017](#), [Boehringer-Ingelheim](#) bought Merial-Sanofil and continues to operate Merial’s **vaccine** manufacturing facilities at The Pirbright Institute.

Fig. 4—The “Coronavirus” is British-owned [U.S. Pat. No. 10,130,701 – CORONAVIRUS, The Pirbright Institute \(UK\)](#)



Boehringer Ingelheim Animal Health that is now headquartered at **The Pirbright Institute (UK)**, was formerly **Merial Animal Health Limited (UK) Co. No. 01961886**, **then Merial-Sanofil**, was the site of the of the **AUG. 03, 2007 FOOT AND MOUTH OUTBREAK** that was blamed on conflicts of business interests

(corruption), poor records, sloppy controls, poor management oversight and unsanitary facilities at The Pirbright Institute.

VACCINE SHELL GAMES

Merial Animal Health Limited (50% owned by **U.S. Merck**) was sold to **French Sanofil** on Jul. 30, 2009; then three months later on Oct. 12, 2009, built a \$70 million production plant named **Merial Animal Health Co., Ltd. (Nanchang, China)**; then sold to **German Boehringer Ingelheim GMBH** on Feb. 09, 2017), but still produces poultry vaccines from their 12-acre plant having retained the name **Merial Animal Health Co., Ltd. (China)** – just a 4 hour drive from **Wuhan, China**. Map of [The Pirbright Institute](#), Pirbright, Surrey, UK.

Note, Pilgrims Society at the [BBC and Reuters are floating a malicious "false flag" propaganda currently](#) from unattributed assertions that the **Pirbright Coronavirus patent is a different, weakened coronavirus, not the one involved in the current outbreak**. Such an assertion would violate [U.S. Patent Office "inequitable conduct" rules](#)—lying to the Office. See sidebar on right.

In other words, you are forbidden from giving a patent application misleading name. Indeed, there are currently [75 patents with coronavirus in the title](#). The Coronavirus patent is one of [11 awarded to The Pirbright Institute](#). These titles described the uniqueness of each claim (a requirement). For The Pirbright Institute U.S. Pat. No. 10,130,701 to be allowed the name simply "CORONAVIRUS" means what it says. Also remember, **British SERCO manages the patent approval process** at the U.S. Patent Office, the possibility of fraud is heightened, especially considering that **SERCO's sister company QinetiQ**—both controlled by the Monarch's Golden Share giving 100% veto power over operations—essentially approved the patent to themselves. This is evident **fraud**.

U.S. PATENT OFFICE: "A finding of "fraud," "inequitable conduct," or violation of duty of disclosure with respect to any claim in an application or patent, renders all the claims thereof unpatentable or invalid."

Question: When is the U.S. Patent Office going to disclose its fraud and treason in contracting with British Crown companies SERCO and QinetiQ?

*Doesn't the **USPTO** fraud invalidate everything they've done since contracting with SERCO in [2006](#), [2013](#), [2015](#), [Overview](#), see full spreadsheet list of [15,769 federal \(Senior Executive Service\) contracts with SERCO](#).*

*Currently, individual U.S. inventors filing for patents are screwed by this Pilgrims Society global **patent theft ring** run by the British.*

[On Oct. 12, 2009](#), Merial invested over \$70 million (US) to build a "Merial Animal Health Co. (China)" 50,000 sq. meters poultry vaccine production plant in Nanchang, China. Nanchang is only a four hour drive from Wuhan.

This Merial plant was founded on [Oct. 12, 2007](#))—just two months after the [Aug. 05, 2007 foot and mouth outbreak](#) in the U.K. Given current Chinese prohibition of foreign ownership control, the Chinese government would control Merial (China) with the The Pirbright Institute—British Ministry of Defense, and/or QinetiQ as possible minority stockholders. The big pharma shell game is quite evident.

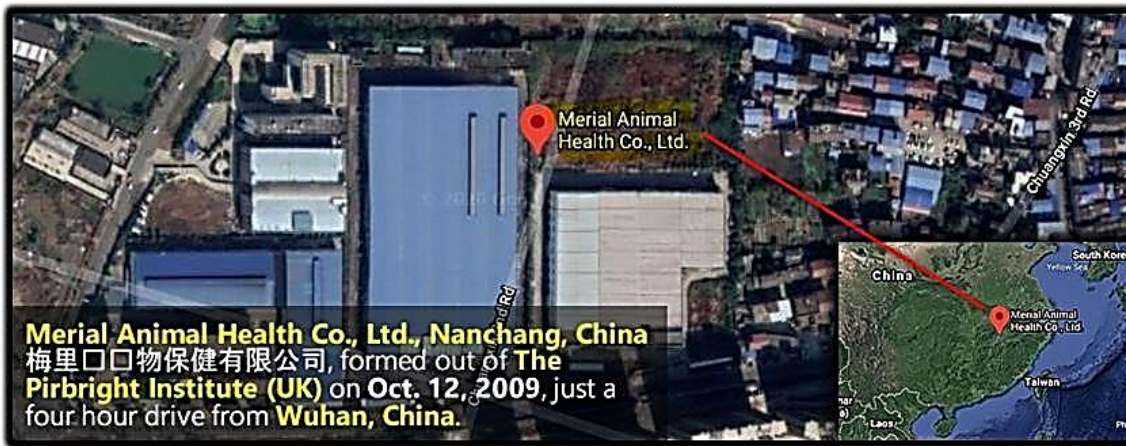


Fig. 5—Merial Animal Health Co., Ltd., Nanchang, China, formed out of The Pirbright Institute (UK) on Oct. 12, 2009, just a four hour drive from Wuhan, China. Map of [Merial Animal Health Co., Ltd., Nanchung, China](#). Map of the 216 mile distance between [Nanchang to Wuhan, China](#).

Henry (Rothschild) de Worms, 1st Baron Pirbright evidently had a **vision to combine vaccines, wireless, propaganda, mind control and banking and use these technologies to control the masses** and make money for his Pilgrims Society conspirators.

WHAT DO VACCINES & THE WIRELESS EARTHSTATION TELEPORT AT PIRBRIGHT HAVE IN COMMON?

On the same property as The Pirbright Institute is [Cobbett Hill Earth Station](#)—a satellite teleport that boasts “more than **25 antennas with active operations on 13 satellites**” using C and KU-band antennas that are powerful enough for **directed energy weaponry**.

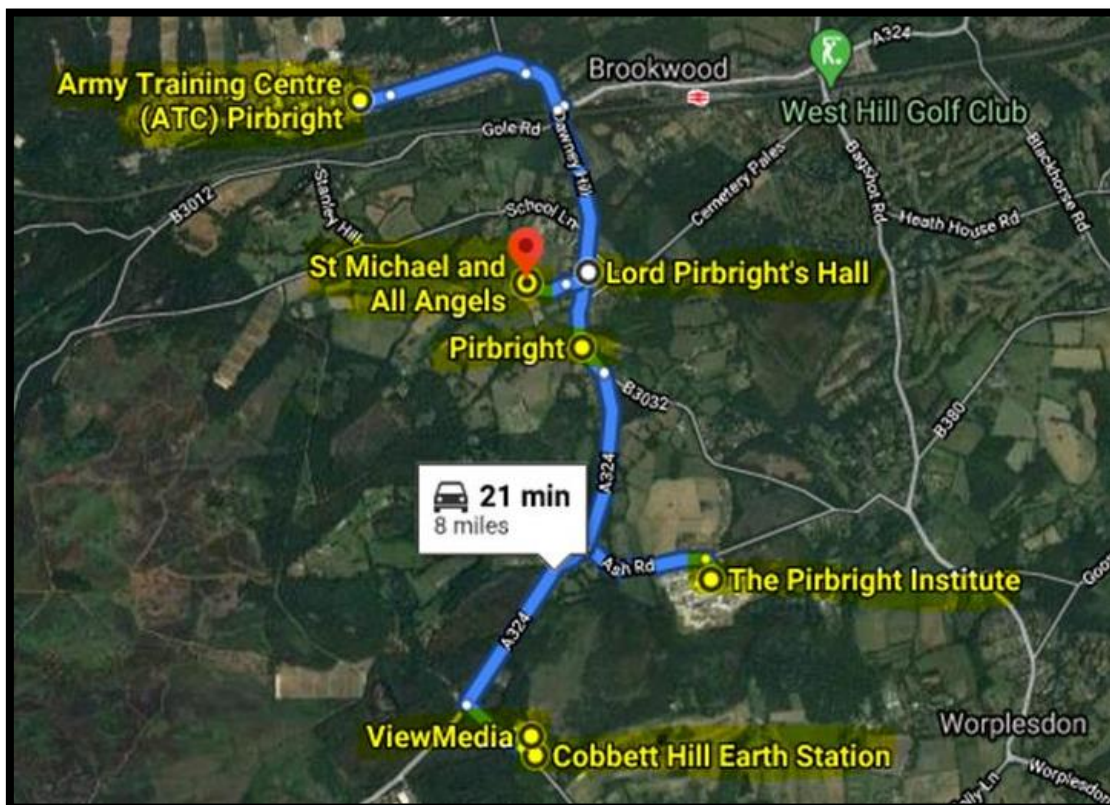


Fig. 6—Army Training Center (ATC) Pirbright (Surrey, UK) is located just 8 miles north of Cobbett Hill Earthstation and The Pirbright Institute. ATC trains Army recruits, including **electronic and biological warfare**.

Experts in **electronic warfare** who have studied the Pirbright property footprint believe it is almost certain that both the Pirbright Institute and the adjacent Cobbett Hill Earthstation teleport share “hardened” underground facilities that are able to withstand direct attacks.



This conclusion was further affirmed by CETel GMBH CEO Guido Neumann who boasted on [Jun. 01, 2019](#):

*"Cobbett Hill is located only 25 miles from central London in the UK, and occupies a seven-acre secure compound on 200 acres of land. Currently, it houses more than 25 antennas with active operations on 13 satellites plus spare capacity enabling quick turnaround times on even short-notice customer requirements. Due to the locations historical use by the **British Ministry of Defence** it has blanket planning permission for unlimited antenna installations within the 200 acres and operate within an **RF exclusion zone preventing any local interference.**"*

Trigger words projecting secret underground government and conspiring-corporate activity:

"quick turnaround times," "blanket planning permission," "unlimited antenna installations within the 200 acres," "RF exclusion zone preventing local interference," "seven acres on 200 acres," and "historical use by the British Ministry of Defence."



Fig. 7—SERCO & QinetiQ are both controlled by the Monarch’s Golden Share.

[On Nov. 11, 2002](#), this MOD property housing both the Pirbright Institute and Cobbett Hill Earthstation was **sold to QinetiQ Holdings Limited**. [The British Monarch held a “Special Share” \(aka “Golden Share”\)](#) giving it complete control of QinetiQ.

Then, [in 2004 Qinetiq “sold” Cobbett Hill](#) according to official Parliamentary debate records.

In a now familiar globalist shell games like we just examined with the **pharmaceutical companies** operating at The Pirbright Institute property, the Cobbett Hill Earthstation satellite facility was first **“privatized”** by QinetiQ in 2004.

We think this **“sale” of a key British MOD facility** at Cobbett Hill Earthstation was window dressing to **hide their biological and electronic warfare activities** occurring on its “secure” Pirbright property. Notably, Cobbett Hill part of the quarantined hot zone in the 2007 foot and mouth outbreak, as the effluent from Merial flowed south over Cobbett Hill.



Fig. 8—Sir John A.R. Chisholm, founder of DERA, the British equivalent of DARPA.

Back in 1991, [Sir John R. Chisholm](#) had been asked by the Ministry of Defence to combine the government’s many research organizations into one which became the Defence Evaluation and Research Agency (DERA).

On Nov. 08, 2002, Chisholm spun off ¾ of DERA to form Qinetiq. Timing-wise, this was concurrent with the creation of **SERCO Service Inc. as a Monarch-controlled data, intelligence, propaganda and information monolith.**

On Mar. 10, 2003, Chisholm was appointed a director QinetiQ—the entity he created two years earlier!

On Dec. 08, 2005, QinetiQ Holdings Limited was renamed QinetiQ Group Plc.

Today, approximately **164 subsidiaries now carry “QinetiQ”** in their names, or former names, including Perspecta, IntrinsiQ, Gyldan (formerly Qinetiz Partnership Finance Ltd.), F. Miller and Commerce Decisions.

In 2004, QinetiQ ostensibly sold the satellite teleport on the 174-acre MOD Pirbright property to Cobbett Hill Earthstation Limited.

Records are unclear how **The Pirbright Institute property was bundled into the sale or leasing to QinetiQ.** We think it was and that the entire satellite and biomedical animal-testing facility was all part of the same MOD activity to obfuscate and hide their illegal activities on the entire 200 acres.

The entire **DERA-to-QinetiQ** transaction is shrouded in British government secrecy, but one thing is certain: the Monarch’s Golden Share has powerful preemptive rights and “clawback” options over all property in the United Kingdom. The Monarch’s Golden Share is a super veto power over *all* activities of the company. This “[Special Share](#)” gave the Monarch 100% control of selected corporations after “divestiture” or “privatization” which was window dressing to make these companies look private, but to keep them controlled by the Monarchy and the Privy Council.

<p>15. SPECIAL SHARE</p> <p>15.1 Special Shareholder</p> <p>The Special Share may only be issued to, held by and transferred to the Crown (or as it directs). The directors must register any transfer of the Special Share within 7 days.</p>	
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6.11 1 special rights redeemable share of £1, [Monarch's "Golden Share" (full control)]

"Crown" means one or more of Her Majesty’s Secretaries of State, another Minister of the Crown, the Lords Commissioners of Her Majesty’s Treasury, the Treasury Solicitor, any body corporate wholly owned by any of the foregoing or any other person acting on behalf of the Crown and **"Crown representative"** shall be construed accordingly;

Fig. 9—[Qinetiq Group Plc. Co. No. 4586941. \(Jun. 03, 2003\)](#). Resolutions at General Meeting Re. the Monarch’s SPECIAL SHARE. Companies House (UK).



Fig. 10—Christopher J. Pocotte, founder and CEO, Aksiom Group Limited, funder of the 2019 consolidation of CETel GMBH (ostensible manager of Cobbett Hill Earthstation) and Axesat into AXESS Networks.

Picotte is a fellow director of various companies **secretly directed by the Privy Council and Pilgrims Society** holding Monarch “Special Shares” otherwise called “Golden Shares” giving the **Monarch 100% control** of those companies and their activities. More specifically, he is a fellow director of North Sea Infrastructure Partners Limited with Sir Roy A. Gardner, Chairman of **SERCO Group Plc.**

[On Jun. 24, 2019](#), just last summer, Cobbett Hill ostensibly sold itself to CETel GMBH (Central European Telecom Services). Four months later, [on Sep. 19, 2019](#), Aksiom Group Limited combined CETel GMBH with Axesat to and funded AXESS Networks.

Aksiom’s American chairman and founder, [Christopher James Picotte](#), sits on the boards of numerous companies with **direct ties to the British Crown**, including Centrica Plc valued at £5.1b (2019).

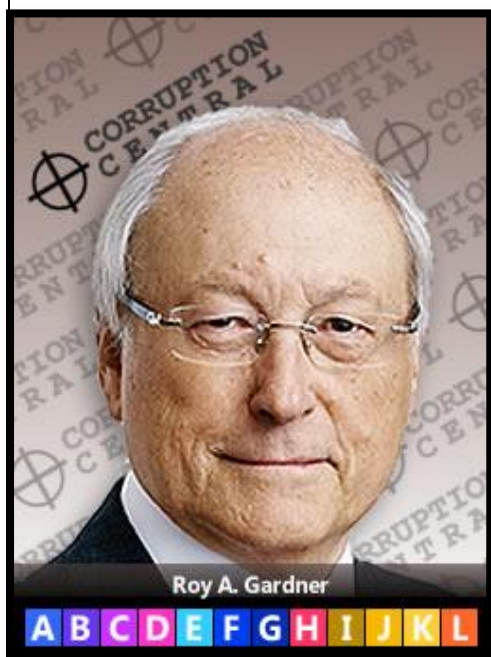


Fig. 11—Sir Roy Alan Gardner, Chairman of SERCO Group Plc; founder and chairman, North Sea Infrastructure Partners Limited; Centrica Plc, director; among others.

Picotte has direct linking relationships with **Sir Roy Gardner**, chairman of SERCO Group Plc through a now typical shell game of shell companies with no activity.

For example, Picotte is a director of [Aksiom Group Holdings Limited](#) that formed [AXESS Networks](#) in order to acquire CETel GMBH that had just a few months earlier had acquired Cobbett Hill Earthstation Limited.

Aksiom-AXESS’s director-funder Pichotte is also a director of [North Sea Infrastructure Partners Limited](#). One of North Sea’s directors is Centrica Directors Limited, formerly named Centrica Nominees No. 2. Limited, whose sole owner is GB Gas Holdings Limited. A founding director of GB Gas in 1996 is [Sir Roy Alan Gardner](#), the current chairman of SERCO Group Plc.

Sir Roy’s other directorships make it quite clear that his task in the Privy Council is to consolidate ALL **electronic warfare** capability in the British government **under SERCO and QinetiQ.**



Sir Roy A. Gardner was Centrica Plc chairman with Picotte.

Gardner is also the **current chairman of SERCO Group Plc.**

SERCO’s CEO is Rupert Soames. Soames’ name appears in pedophile Jeffrey Epstein’s little black book. SERCO is also controlled by the Monarch’s Golden Share. [CITE].



Fig. 12—Rupert C. Soames, CEO of SERCO Group Plc; member of Jeffrey Epstein’s “Pedophile Island” Little Black Book.

THE UNITED STATES HAS BEEN BOARDED BY BRITISH PIRATES

As we showed in our previous post, [available here](#), **SERCO has been awarded almost \$10 billion** in from the U.S. Patent Office, FEMA, OMB, Navy SPAWAR, OPM, State Department, DoD, Army, Navy, FAA, FEC, etc. In short, America’s ship has already been boarded by British pirates in defense, space and technology projects by a Pilgrim’s Society-complicit Senior Executive Services (SES).

We were shocked to discover that QinetiQ has an almost equal number of U.S. contracts.

QinetiQ has received over \$8.5 billion U.S. federal contracts. ([PDF](#) | [Excel](#)-downloads directly to your Downloads folder).

SERCO has received over \$9.5 billion U.S. federal contracts. [PDF](#) | [Excel](#)-downloads directly to your Downloads folder)

THE COMMON AGENDA AMONG PIRBRIGHT, ROTHSCHILD, WELLCOME, RHODES, MILNER, MARCONI, PILGRIMS?

On Nov. 15, 1895, Henry De Worms (1840-1903) was appointed to be 1st Baron Pirbright, of Pirbright, County of Surrey (UK)—the current site of The Pirbright Institute and Cobbett Hill Earthstation teleport.

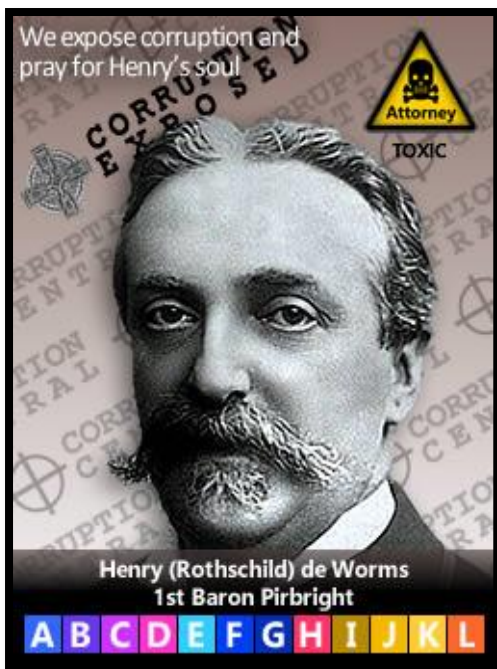


Fig. 13—Henry (Rothschild) De Worms (1840-1903) was appointed to be 1st Baron Pirbright appears to have been the spiritual leader directing the likes of Cecil Rhodes, Alfred Milner and the Boer Wars, not to mention Pilgrims Society, Empire Press Union, First Imperial Press Conference 1909, MI6, MI5 and GC&CS renamed GCHQ in 1947.

On Oct. 03, 1893, Lord Pirbright inherited a substantial sum in those days—about £350,000—as residuary legatee of his mother Henrietta Samuel’s estate. He used these funds to fund great mischief, including purchasing the land in the greater Pirbright area on land that today houses MOD (Ministry of Defense) facilities associated with British [Defence Evaluation and Research Agency](#) (DERA), including The Pirbright Institute, essentially controlled by the Wellcome Trust and Bill & Melinda Gates Foundation—two key funders of the Pirbright Institute along with U.S. [Defense Advanced Research Projects Agency](#) (DARPA), and Cobbett Hill Earthstation, that are both adjacent to the Army Training Center – Pirbright land acquired by the Army [in about 1875](#).

Lord Pirbright also bankrolled Henry Wellcome’s meteoric rise in the pharmaceutical business as well as [Sir Henry M. Stanley’s expeditions](#) to Africa to collect new cures and poisons for [Henry Wellcome](#), as well as secure west African mining rights for Belgium King Leopold II, the British South Africa Company and his protégés Cecil Rhodes, Alfred Milner, N.M. Rothschild & Sons, Winston Churchill and John Buchan, among others.



Fig. 14—Cecil John Rhodes now appears to have taken his new-world order orders from Henry de Worms 1st Lord Pirbright, his mentor.

Henry (Rothschild) De Worms, First Baron Pirbright’s paternal grandmother was Schönche Jeannette Rothschild (1771–1859). Jeanette’s father, Pirbright’s great grandfather, was Mayer Amschel Rothschild (1744-1812)—the founder of Rothschild banking. See [Dict. of Nat. Bio \(1914\)](#), pp. 495-496, 51 MB (*be patient when downloading*).

A young Henry de Worms lived his early years on the family coffee, tea and spice plantation in Ceylon actually named “Rothschild.” This bound the de Worms to the rapacious imperialism of the British East India Company that the Rothschilds bankrolled. [The Jewish Chronicle \(London\), Jan. 20, 1903](#) (9.6 MB).

Indeed, Pirbright led Britain’s imperial trading empire when he was [Parliamentary Secretary to the Board of Trade \(1885-88\)](#), and [Under-Secretary of State for the Colonies \(1888-92\)](#) under Lord Salisbury.

For context, on the Board of Trade, Henry (Rothschild) De Worms 1st Baron Pirbright was succeeded by **political Zionist Lord Balfour** (1889-1905). Balfour was also President of the Board of Trade with Sydney

Buxton (2nd Governor General of the British South Africa Company) and future prime ministers Churchill and Lloyd George.

Balfour was the author of the [Balfour Declaration](#) letter to Baron [Lionel W. Rothschild](#) (Pirbright's cousin and fellow leader of the London Jewish community, and the funder of [Cecil Rhodes'](#) British South Africa Company and De Beers Consolidated Mines in Cape Colony, South Africa). Balfour's letter called for a Jewish homeland in Palestine. In 1902-1905, Bonar Law took the same post and later became privy councillor (1911), British war cabinet during WWI ([1916-1918](#)), and later prime minister (1922-1923).

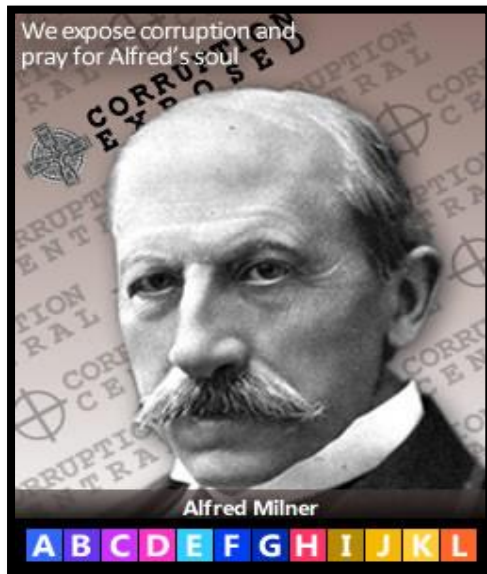


Fig. 15—Viscount Alfred Milner 1st Governor of the Transvaal and Orange River Colony; Member of the Imperial War Cabinet (WWI, 1916-1918); organizer of the 2nd Boer War concentration camps.

On the colonial post, succeeding Pirbright was Sydney Buxton (1892-1895). Nineteen years later as [President of the Board of Trade \(1914\)](#),

Buxton championed the **Marconi Wireless monopoly** as a cabinet secretary that Pirbright had earlier helped create by supporting Marconi's theft by the Post Office and Admiralty of **Nikola Tesla's wireless telegraphy** patents.

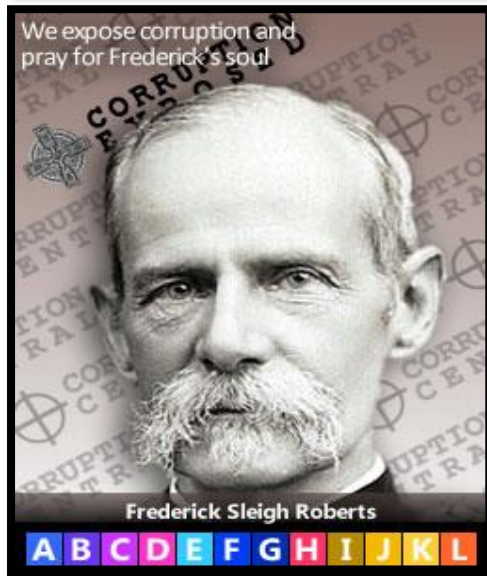


Fig. 16—General Lord Frederick Sleigh Roberts, British commander of the 2nd Boer War forces; organizer of the 2nd Boer War concentration camps; first president of the Pilgrims Society.

Also succeeding Pirbright in the colonial post was Winston Churchill (1905-1908). Churchill had also held Buxton's post as [President of the Board of Trade](#) (1908-1910).

LORDS PIRBRIGHT AND SALISBURY EXPLOITED AN AILING QUEEN VICTORIA IN THE 1880-90'S

Henry (Rothschild) De Worms and Lord Salisbury subdued the British Parliament in the 1880-90's to promote the Boer Wars in the Transvaal, South Africa to, among other things to : (1) crush the stiff colonial business competition from the German [Hanseatic League](#), [Dutch East India Company](#) and the [French East India Company](#), (2) to further consolidate the Rothschild monopoly over the Bank of England, (3) monopolize African mining through Cecil Rhodes, N.M. Rothschild and De Beers, as the way to finance, (4) a new

privatized, imperial corporatist-fascist model for the British Empire named the British South Africa Company, (5) recruit new blood into this ruthless elitist club by funding **Rhodes Scholarships** at Oxford in perpetuity.

Rhodes established **The Round Table** to promote this "English-speaking" hegemony over the world. His new club of self-aggrandizing elitist **Robber barons** (including Americans) was a moral grab bag of ideas that borrowed from John Ruskin's settlement movement ideas where **elites would rule** over socialist/communist communities as **overlords**, dispensing their wisdom over the hapless masses in their charge. Tellingly, the leaders of the 2nd Boer War, Viscount Alfred Milner and General Lord Roberts, were Ruskin fans. Also tellingly, Ruskin eschewed spirituality and religion until late in life.

The Round Table organized as a **secret society** that borrowed Jesuit stealth takeover processes to hide their hegemonic intentions. With Rhodes' blessing, they employed any tactic needed to acquire the resources to achieve their 200-year imperial corporatist-fascist goals "...[\(3\) The seizure of the wealth necessary.](#)"

[On 13 March 1888](#), Rhodes launched [De Beers Consolidated Mines](#) where Rhodes was first chairman, with funding from [N.M. Rothschild & Sons](#) supplied in 1887.

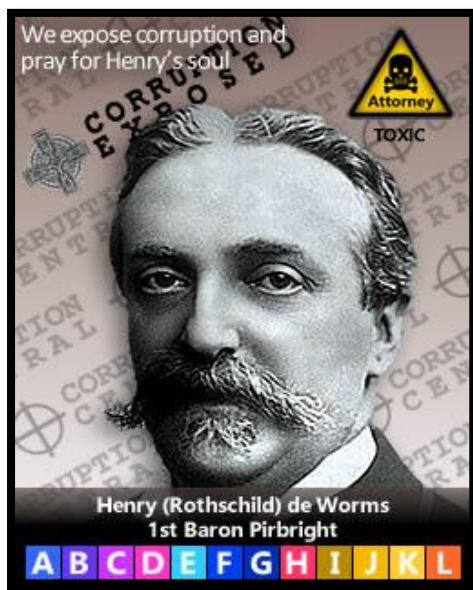


Fig. 17—Henry (Rothschild) de Worms, 1st Baron Pirbright. Appointed to key cabinet positions that gave him great influence over patents (incl. Nikola Tesla's wireless telegraphy invention), animal-testing (vaccines), mining rights and establishment of the British South Africa Company.

In 1888, Queen Victoria appointed Baron Henry De Worms to the Privy Council. His barony was extinguished upon his death since he had no male heirs. However, he appears to have given away his land holdings to the Ministry of Defence which had been under his authority.

On Dec. 20, 1889, De Worms, Rothschild and Salisbury supported the formation of an autonomous [British South Africa Company](#) to enable Cecil J. Rhodes to form a replacement corporatist (Robber baron) model to **replace the British East India Company**.

In this model the lower classes would be ruled under socialism and culled with eugenics (war, poison vaccines, man-made disasters) while the upper class rulers would live lives of

luxury under the British peerage system. **In their system, free thinking could not be tolerated**, therefore, the Judeo-Christian ethic of **free will would have to be neutralized or abolished**. According to **Rhodes' 200-year plan**, these commercial princes would operate as a **secret society** and use Jesuit stealth tactics to lie, cheat and steal to achieve their plan. Rhodes encouraged them that the resources to achieve this plan must be acquired at any cost.

The British South Africa Company would empower Rhodes to **run South Africa as a corporation** with its own **laws, taxes and police force**. This profligate governance model eventually led to Milner and Roberts establishing the **world's first concentrations camps** in the 2nd Boer War. Over 60,000 souls, including 14,000 children were murdered in these barbaric camps via **suspicious outbreaks of measles, typhoid and dysentery**. Family described to our researchers that children with even sniffles were taken away from their parents and never returned, presumed murdered. Notably, **Henry Wellcome supplied his medicine chests full of experimental vaccines to the British Army** that were used in these death camps.

The British acknowledge that the concentration camps helped break the backs of the Boers and led to their defeat. This ghoulish model was **repeated by Adolf Hitler** thirty years later.

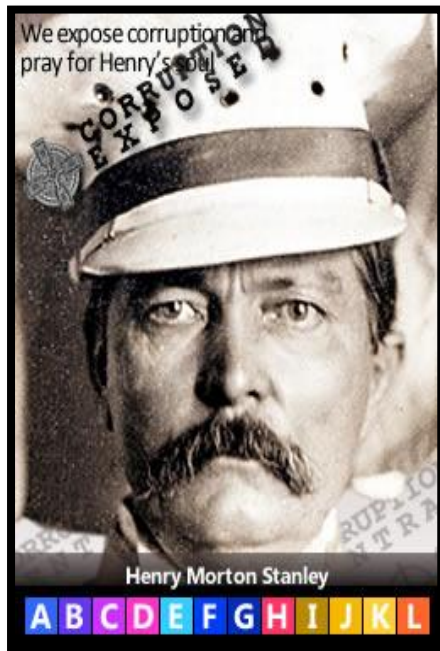


Fig. 18—Henry Morton Stanley, British explorer conspired with Henry (Rothschild) de Worms, Henry Wellcome and Cecil Rhodes to secure British monopolies in South Africa over diamond and gold mining, and pharmaceuticals. Stanley is buried in Pirbright, Surrey, UK.

The lionized British explorer Sir Henry M. Stanley is buried in Pirbright. His legend says he explored “Darkest Africa” and allegedly said upon encountering missionary David Livingstone who he was searching for: “Mr. Livingstone, I presume.” Given our new information into the propaganda surrounding the Stanley, we are wondering if any of this is true. It may have just been a tall tale that sold a lot of newspapers. It may have been a learning lesson for newspapermen that they could make up stories out of whole-cloth and the public would believe them unquestioningly.

In 1874, Stanley’s second African expedition was financed by two newspapers, *The New York Herald* and Britain’s *Daily Telegraph*. *The Daily Telegraph’s* editor, Edward Levy Lawson, later Lord Burnham, co-founder of the Pilgrims Society (1902), was chairman of the First Imperial Press Conference, 1909, and founded the Empire Press Union and while organizing of British MI6, MI5 and GC&CS, now GCHQ—the last three events all in the summer of 1909.

Henry Wellcome told the story of Stanley’s use of his medicine chests full of experimental vaccines in his *The Evolution of Journalism Etcetera* (pp. 150, 151, 291) that he presented to the 650 newspapermen delegates at the First Imperial Press Conference, 1909. In that conference he asked the delegates to repeat Stanley’s efforts to collect toxins, cures and poisons and he would reimburse them to be sent to his **Wellcome laboratories** in the UK for analysis.

Wellcome helped finance Stanley’s expeditions. Stanley also helped Belgium’s Prince Leopold II secure the Congo for the Rothschilds and De Beers’ diamond and gold interests.

Wellcome and Stanley were both born promoters who used the corridors of power to secure their wealth and influence. **Wellcome Trust today is the second largest grant-maker in the world after The Bill and Melinda Gates Foundation.**

Now we must return to Wellcome’s, Rhodes’s, Milner’s, Robert’s and Stanley’s Parliamentary sponsor Henry de Worms 1’s Baron Pirbright.

In his powerful positions at the Board of Trade and as overseer of the Colonies, De Worms was responsible for all patents and trademarks.

During this time, a bright young Serbian-born inventor named **Nicholai Tesla was inventing wireless telegraphy, electric light, motors, power and free energy devices**. His first patent, for an electric arc lamp, was awarded on Sep. 02, 1886 30, 1884. (De Worms assumed control of the Board of Trade in 1885).

Therefore, during De Worms trade and colonial oversight of the British patent office (1885-1892), **Tesla filed 56 patents.**

Hindsight makes it quite evident now that we can see the forces behind the transition of the British Empire from control by the British East India Company to a new form of British corporatist imperial fascism, that they would apply Rhodes’ admonition to acquire resources at any cost, to stealing Tesla’s wireless telegraphy invention for use in their imperial communications scheme for use in the Admiralty and as a propaganda tool to **control the masses and “create public opinion.”**

It is our strong belief that these Robber barons created Guglielmo Giovanni Maria Marconi as their cardboard cut-out front man to create a British global **monopoly named Marconi Wireless** on emerging wireless telegraphy. In short, Marconi's alleged parallel invention of wireless telegraphy is all fake.

Indeed, during deWorms oversight of trade and the colonies, the British post office began secretly creating deals with Marconi Wireless without the knowledge of Parliament. The **insider trading** got so bad that [in 1913](#) it almost took down a future Prime Minister (David Lloyd George) and King's Counsellor Rufus Daniel Isaacs. These men while knowing that Marconi's monopoly (organized by De Worms and his Rhodes' relative Charles F.G. Masterman—later chief of the British War Propaganda Bureau) was unassailable, had secretly bought shares for themselves in Marconi America, just before Marconi Wireless Britain went public.

The unmistakable commonality here in Britain's new corporatist-fascist imperial plan for the new British Empire was to have unanimity of vision and direction across **banking** (dominated by Rothschilds), **pharma** (dominated by Wellcome), **government** (controlled ultimately by the Pilgrims Society), **Wireless Technology** (controlled by the Marconi Wireless monopoly), **propaganda** (controlled by the Empire Press Union) and **information** (controlled by MI6, MI5, GC& CS, renamed GCHQ).

According to Rhodes' instructions, these men were compelled to nudge America back into the Empire. They used these levers of power and control to achieve this goals, and they are still at it today. After forming their secret Pilgrims Society and took control of global newspapers, intelligence, wireless and cable, they set out to recapture America.

Andrew Carnegie even bankrolled American education, textbooks and libraries to change American opinion about Britain in order to condition the population for **re-assimilation**.

- They use the Crown Agents to press this plan globally.
- They promoted the Round Table and Milner's Kindergarten.
- They promoted Fabianism.
- They promoted Zionism.
- They promoted Bolshevism, Socialism and Communism.
- They formed Reuters and Associated Press.
- They direct Daily Telegraph, Daily Mail, The Times, Washington Post, New York Times.
- They funded American libraries and textbooks.
- They promoted the League of Nations.
- They promoted the U.S. Federal Reserve.
- They promoted Fascism.
- They promoted The Inquiry.
- They crashed the U.S. stock market in 1929 to consolidate their ability to control American banks.
- They promoted the Council on Foreign Relations
- They formed organizations like the Tri-Lateral Commission, the Atlantic Council, NATO, Bilderberg, Aspen Institute, Bohemian Grove to promote their reassimilation of America into their new world order Empire.
- They promoted NATO.
- They promoted the World Bank and IMF.
- They stole the social networking inventions from Columbus-innovator Leader Technologies via the IBM Eclipse Foundation to unify and accelerate their activities world.
- The Crown Agents successfully formed the Senior Executive Service (SES), the Overseas Private Investment Corporation (OPIC), USAID, The Aerospace Corporation to take over the Executive Branch with a permanent Pilgrims Society bureaucracy.

We return to the question of why the Pirbright Institute—**the patent holder of CORONAVIRUS**—is situated on the same Ministry of Defence property as the Cobbett Hill Earthstation with massive array of powerful, weapons-grade antennas and dishes. And, that is only what we can see from satellite images.

As with most **secret government labs** doing often questionable and illegal research, these facilities are probably massive, underground.

On paper, QinetiQ sold Cobbett Hill in 2004, but this appears to have been a shell game to hide the fact that the government flipped the property in order to avoid scrutiny. Given the fact that **former C.I.A. director George Tenet was a QinetiQ director** on [Oct. 24, 2006](#) (see also [QinetiQ 2006 Annual Report](#)) along with former **Deputy Chief of the Joint Chiefs of Staff Edmund P. Giambastiani, Jr.** (Oct. 08, 2008), who is believed to still be a director, continued **use of Cobbett Hill for illegal intelligence activity** is sure. Such facilities are difficult to build and are not easily replaced.



Fig. 13—George J. Tenet, outgoing C.I.A. Director became an QinetiQ director on Oct. 24, 2006.



Fig. 14—Admiral Edmund P. Giambastiani, Jr., outgoing Deputy Chief of the Joint Chief of Staff became an QinetiQ director on Oct. 08, 2008.

One thing is certain, QinetiQ’s current address in nearby Farnborough, near the airport, is not a good location for such satellites given all the interference from airport flight communications. In radio communications, once you get a **“clean” spot free of extraneous electronic noise, you tend to keep it.**

The Pirbright Institute records show that it is **heavily financed by Wellcome Trust, Bill Gates, the European Commission, the World Health Organization and U.S. DARPA.**

In addition to Wellcome, the pharmaceutical **AstraZenica provides vaccine research funding** also.

HOW DO WIRELESS TECHNOLOGY AND VACCINES GO TOGETHER?

Researchers all know that **stress increases disease**.

Imagine a Coronavirus specially constructed to **lie dormant in a person's body** until it is triggered by the right **radio frequency**.

Imagine **nano tech devices that can hide inside a vaccine** and be triggered by wireless transmissions passing through your body.

Imagine **5G technology** that, on command from Cobbett Hill Earthstation, can trigger **nano tech devices** in all the bodies of the citizens in an entire city.

Is this farfetched? Not at all.

"[Directed Energy Weapons](#)" are being openly disclosed by the military. While their propagandists are quick to say the tech is non-lethal, but the assertions are not believable given their history of lying. Their own descriptions indicate the ability to **stun, dazzle, blind, deafen, scream at "or even kill" at people while they think they are hearing the voice of God**.

5G technology disperses these capabilities to be able to deliver signals to all people in a target area or group at the same time.

The Pirbright Institute appears to be **using** the Cobbett Hill satellite teleport facilities to communicate with their **Pilgrim Society minions** worldwide. Perhaps Nellie Ohr's shortwave set was actually communicating with QinetiQ at Cobbett Hill and the Pirbright Institute.

ARE THE C.I.A., MI6 & DARPA BUILDING BIO-WEAPONS LIKE CORONAVIRUS VIA QINETIQ, SERCO AND THE PIRBRIGHT INSTITUTE?

One thing is certain:

American and British Pilgrims Society, newspapers, intelligence, tech and banks must confess that they are using Crown-controlled QinetiQ and SERCO to get over **\$18 billion in U.S. defense contracts to build bio-weapons at The Pirbright Institute, Wellcome Trust, AstraZeneca, Crown Agents and Senior Executive Service (SES) to kill us**.

In conclusion, as we go to press with this post, the **author of the Biological Weapons Anti-Terrorism Act of 1989 (BWATA), international law professor Francis A. Boyle** indicates that the [University of North Carolina](#) was involved with the Coronavirus outbreak in China.

The Bill and Melinda Gates Foundation heavily finances both The Pirbright Institute and the University of North Carolina.

CONCLUSION:

The evidence is overwhelming that the **Pilgrims Society (which is often called the Deep State, Senior Executive Service, Crown Agents, shadow government)** is manipulating the public to achieve its new world order objectives.

The evidence is also overwhelming that the Pilgrims Society strategy, perhaps conceived long ago by Henry (Rothschild) de Worms, 1st Baron Pirbright, has been stealing and weaponizing patents since about the 1880's.

The patents being stolen **focus on vaccines, wireless technology, communications, computers, propaganda, mind control and educational delivery systems**.

DEFUND, DISGORGE, REBUILD GUIDED BY THE GOLDEN RULE

Now that the activities of the Pilgrims Society are becoming known, we citizens of the world must demand that **their source of money be cut**, force them to disgorge their ill-gotten gain to their victims, and

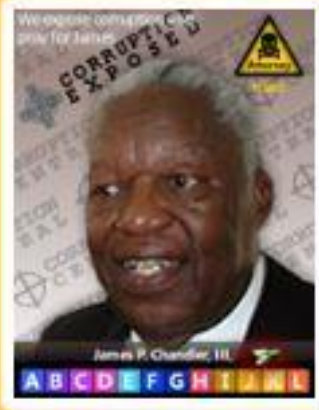
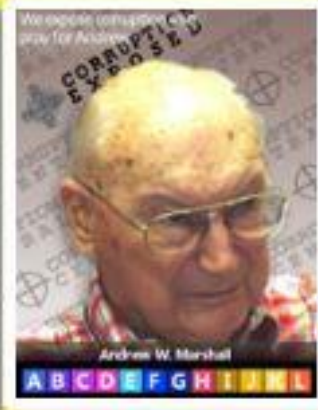
(re)create governments that actually follow the Golden Rule—"Do unto others as you would have them do unto you" (Leviticus 19:18, Matthew 7:12 , Luke 6:31).

REMINDER RE. THE MILLER ACT NOTICE

Leader Technologies, Inc. sent their **FIRST AMENDED MILLER ACT NOTICE** to President Trump today. It is a contract demand for the U.S. Treasury to pay them for the federal government's 18-year theft of their social networking inventions. These inventions were stolen by Major General James E. Freeze (US Army, ret.) and Leader's patent attorney James P. Chandler, III, on behalf of Andrew W. Marshall and the Department of Defense Office of Net Assessment, and that Pilgrims Society that steals and weaponizes inventions for continuous war making and enrichment of its fascist insider military-industrial corporations.

Patriots are encouraged to help get this First Amended Miller Act Notice to President Trump and past the Praetorian Guard. See [American Intelligence Media](#) republich of the Leader Miller Act Notice.

FEDERAL BRITISH-AMERICAN PATENT WEAPONIZATION THIEVES

James P. Chandler, III
Andrew W. Marshall

<https://tinyurl.com/y2ctf78g>

This entry was posted in [5G](#), [Coronavirus](#), [Corporations](#), [Deep State](#) and tagged [5G](#), [Energy directed weapons](#), [nanotechnology](#), [New World order](#), [Rothschild](#), [We the People](#) on [24 March, 2020](#) by [Peacefull](#). [Edit](#)

7.6.2 British Origins of the Coronavirus

British Origins Of The Coronavirus Further Confirmed²³

CORONAVIRUS, MINER FINDS

March 13, 2020

When the president announced a National Emergency over coronavirus, we were thrilled because you can't talk about coronavirus without talking about the Pirbright Institute, Bill and Melinda Gates Foundation, Elizabeth Manningham-Buller, the Wellcome Trust, University of North Carolina, and DARPA.



Shocking Discovery: The British Origins Of The Coronavirus Further Confirmed—**A British Spy (Manningham-Buller) Runs Wellcome Trust & The Pirbright Institute**, inventor of this weaponized Coronavirus. Her MI5 agency was literally *created* by the Empire Press Union in 1909—whose meetings were *literally bankrolled* by Henry Wellcome who had just killed 60,000 in South African concentration camps in *vaccine experiments* in the 2nd Boer War (1899-1902)

²³ <https://patriots4truth.org/2020/03/13/british-origins-of-the-coronavirus-further-confirmed/>

Baroness Eliza Manningham-Buller, chair of Wellcome Trust—the funder of the [patentee](#)—ran MI5 (2002-2007) *during* [The Pirbright Institute](#) (Merial Animal Health Institutes) release of the [foot and mouth virus](#)

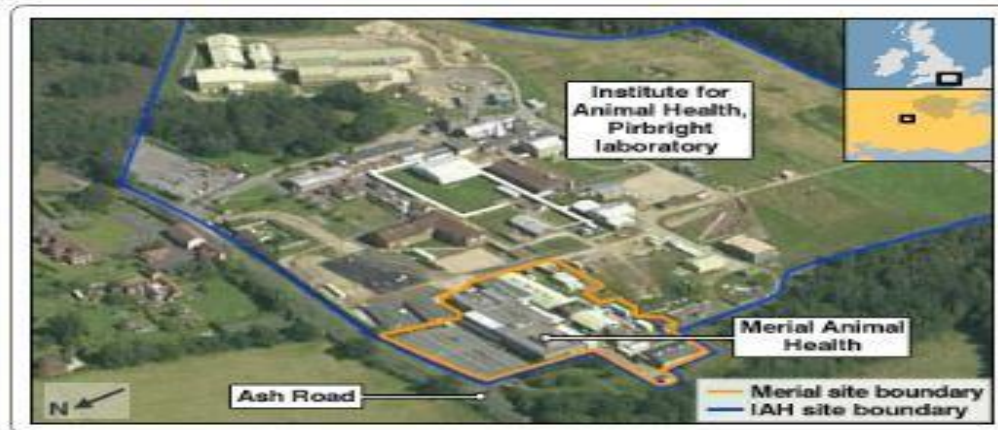


Fig. 6—[Editor. \(Aug. 05, 2007\)](#). Foot-and-mouth strain identified. *BBC News*. Institute for Animal Health, Pirbright laboratory, Merial Animal Health, Institute for Animal Health, Surrey, UK, site of the foot and mouth outbreak, blamed on poor management, negligent procedures, poor sanitation and conflicts of interest between government and Merial employees.

[Read more](#)

Merial took the decision to “move” its Pirbright operations to Nanchang, China in 2009, just 4 hours drive from Wuhan—**while Eliza was a chair of Wellcome Trust**—The Pirbright Institute’s main funder are Wellcome, Gates, WHO and DARPA. The Merial plant is now operated by Boehringer Ingelheim.



Fig. 8—Merial Animal Health Co., Ltd., Nanchang, China 梅里亚动物保健有限公司, formed out of The Pirbright Institute (UK) on Oct. 12, 2009, just a four hour drive from Wuhan, China. Map of Merial Animal Health Co., Ltd., Nanchang, China. Map of the 216 mile distance between Nanchang to Wuhan, China.



Henry (Rothschild) de Worms, 1st Baron

<https://americans4innovation.blogspot.com/2020/02/coronavirus-uncovers-rothschild-lord.html>

[Eliza Manningham-Buller. \(Accessed Mar. 13, 2020\).](#) Biography. Wikipedia.

[Elizabeth Lydia MANNINGHAM-BULLER. \(Accessed Mar. 13, 2020\).](#) Appointments, Wellcome Trust, **Ark Data Centres**, Genome Research (Wellcome Institute). Companies House (UK).

<https://wellcome.ac.uk/about-us/governance/board-governors>

[Eliza Manningham-Buller, LG, DCB, FMedSci. \(Accessed Mar. 13, 2020\).](#) Chair, Board of Governors. Wellcome Trust.



Eliza Manningham-Buller
 Chair of the Wellcome Trust

'I never understood that science was exciting and could be innovative and creative'

2015
 WOMEN OF

ELIZABETH LYDIA MANNINGHAM-BULLER

Overview

Total number of appointments 1, 1 active appointments

THE WELLCOME TRUST LIMITED

Correspondence address

GIBBS BUILDING 215 EUSTON ROAD, LONDON, ENGLAND, NW1 2BE

Role **ACTIVE**
 Director

Date of birth
 July 1948

Appointed on
 1 August 2008

Nationality
 BRITISH

Occupation
 PEER

<https://www.companiesintheuk.co.uk/company/the-wellcome-trust/people>

GENOME RESEARCH LIMITED

Company number **02742969**

(Genome Research Limited is now Wellcome-Sanger Institute)

MANNINGHAM-BULLER, ELIZABETH LYDIA**Correspondence address**

GIBBS BUILDING 215 EUSTON ROAD, LONDON, ENGLAND, NW1 2BE

Role RESIGNED

Director

Date of birth

July 1948

Appointed on

28 November 2008

Resigned on

31 March 2015

Nationality

BRITISH

Occupation

PEER

www.sanger.ac.uk › [about](#) › [who-we-are](#) › [genome-research-limited](#)**Genome Research Limited | Wellcome Sanger Institute**Foster discussion of the scientific, medical and wider implications of genomes. **Genome Research Limited** Board of Directors. Lord David Willetts (Chair). David ...

<https://wellcome.ac.uk/news/wellcome-pledges-50-million-new-initiative-speed-development-covid-19-treatments>

Notes from a miner:

Evidently, Manningham-Buller, Wellcome Trust and Gates Foundation are playing their bioweapon card

<https://wellcome.ac.uk/press-release/wellcome-statements-novel-coronavirus-covid-19>

https://en.wikipedia.org/wiki/Eliza_Manningham-Buller

<https://www.companiesintheuk.co.uk/company/the-wellcome-trust/people>

Lord Pirbright, Henry de Worms, was Jewish. He was a Rothschild.

DEATH OF LORD FIRBRIGHT.

Lord Pirbright (Baron Henry de Worms), who died in London last week, was one of the three Anglo-Jewish peers. He was in his 83d year, and was a son of the late Solomon Benedict de Worms, who was created a hereditary baron of the Austrian Empire. Lord Pirbright was the only conforming Jew who ever held ministerial rank in Great Britain, outside of the colonies.

In connection with the Jewish community of London, Lord Pirbright will be best remembered as the president of the Anglo-Jewish Association and as a life trustee of the United Synagogue. Owing to his intimacy with the ruling powers, he was in a position to assist his oppressed co-religionists, and it must be said to his credit that he was ever ready to use his influence in their behalf.

The rupture with the community came when his eldest daughter married outside the faith and Lord Pirbright gave his daughter away in church. He resigned the presidency of the Anglo-Jewish Association and gradually dropped out of the community. Finally, a few years ago, relinquishing the membership of the United Synagogue. His youngest daughter, too, became the wife of a non-Jew, marrying in 1896, Count Maximilian, Carl F. von Loewenstein-Scharfhausen, Chamberlain at the Court of Bavaria. His second daughter is still unmarried. He had no son, although he was married twice. His first wife was the eldest daughter of Baron von Telesco of Vienna, and his second wife, who survives him, is a sister of Sir George Faudel-Phillips, Lord Mayor of London, 1897-98.

The deceased peer was the author of "England's Policy in the East," "The Earth and its Mechanism," "The Austro-Hungarian Empire," "The Memoirs of Count Beust," etc.

An elder brother of Lord Pirbright, Baron George de Worms, is, too, residing in England, but takes no active part in communal affairs.

Death of Baron Henry De Worms 1st Lord Pirbright, Jan. 22, 1903



Why doesn't this woman have a biography out there? This is all we found. Strange. Who is she and where did she come from?

[Nancy Ellen Messonnier \[ne Rosenstein\]. \(Accessed Mar. 12, 2020\).](#) Background Check Report. PeopleFinders.

[https://www.fbcoverup.com/docs/library/2020-03-12-Nancy-Ellen-Messonnier-\[ne-Rosenstein\]-Background-Check-Report-PeopleFinders-accessed-Mar-12-2020.pdf](https://www.fbcoverup.com/docs/library/2020-03-12-Nancy-Ellen-Messonnier-[ne-Rosenstein]-Background-Check-Report-PeopleFinders-accessed-Mar-12-2020.pdf)

UNC uses Pirbright Institute material



Francis Boyle keeps blaming University of North Carolina for this coronavirus bioweapon

See relationship between The Pirbright Institute and University of North Carolina, both receive funding from Bill and Melinda Gates Foundation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6258957/>

J Virol. 2018 Dec 15; 92(24): e01471-18.

PMCID: PMC6258957

Published online 2018 Nov 27. Prepublished online 2018 Sep 26.

PMID: [30258008](#)

doi: [10.1128/JVI.01471-18](https://doi.org/10.1128/JVI.01471-18)

Comparison of the Immunogenicities and Cross-Lineage Efficacies of Live Attenuated Peste des Petits Ruminants Virus Vaccines PPRV/Nigeria/75/1 and PPRV/Sungri/96

[Sophia Hodgson](#),^{a,b} [Katy Moffat](#),^a [Holly Hill](#),^{a,*} [John T. Flannery](#),^a [Simon P. Graham](#),^{a,b} [Michael D. Baron](#),^{✉#a} and [Karin E. Darpel](#)^{✉#a}

Mark T. Heise, Editor

Mark T. Heise, University of North Carolina at Chapel Hill;

▸ Author information ▸ Article notes ▸ Copyright and License information [Disclaimer](#)

the original stock of which was the gift of MSD Animal Health. In order to eliminate any effect of differences in the way the two vaccines were prepared, the vaccine stocks were grown and titers determined in our laboratory, using the same cell stocks, media, and processing. They were passaged one to two times from rescue (N75) or from the original commercial stock (S96). For serum neutralization tests we used the same viruses. The field isolates used and their passage histories since last isolated from an animal were PPRV/Nigeria/76/1 (BK6/V3/VDS1), PPRV/Sudan/Sennar/72 (BK1/LK1/V2/VDS1), PPRV/Ivory Coast/89 (VDS1), and PPRV/Ghana/78 (LK1/V1/VDS1), all of which were from the [Pirbright Institute](#) virus archive, and PPRV/Iran/2011 (originally called PPRV/Kurdistan/2011 [51]) (CV1-S1/VDS2), a gift from Bernd Hoffman, FLI, Germany. Virus stocks were grown, and titers were determined on VDS as previously described (52).

Vaccination/challenge protocol. All animal studies were carried out under licenses PPL 70/7199 and PPL 70/8833 issued by the Home Office of the United Kingdom in accordance with relevant legislation and after approval by the [Pirbright Institute](#) Animal Welfare and Ethical Review Board. Outbred goats were sourced from commercial farms. Animals entered the secure isolation units 7 days before the start of the procedure to acclimatize to the new husbandry regime and were provided with daily enrichment during the trials.

AWARDED GRANTS²⁴

This database includes grant payments made by the **Bill & Melinda Gates Foundation** and previous foundations of the Gates family (William H. Gates Foundation, Gates Library Foundation, and Gates Learning Foundation) from 1994 onward. They system includes grant payments only, not direct charitable contracts or [Program Related Investments](#). Please note that this database is a dynamic system that undergoes regular updates. We encourage you to reference the foundation's 990-PFs published on the [financials page](#) for the definitive list of all individual grants.

²⁴ <https://www.gatesfoundation.org/how-we-work/quick-links/grants-database#q/k=pirbright%20institute>

Grantmaking

AWARDED GRANTS

This database includes grant payments made by the **Bill & Melinda Gates Foundation** and previous foundations of the Gates family (William H. Gates Foundation, Gates Library Foundation, and Gates Learning Foundation) from 1994 onward. They system includes grant payments only, not

<u>GRANTEE</u>	<u>YEAR</u>	<u>ISSUE</u>	<u>PROGRAM</u>	<u>AMOUNT</u>
<u>The Pirbright Institute</u>	2019	Agricultural Development	Global Growth & Opportunity	\$1,474,103
<u>The Pirbright Institute</u>	2019	Agricultural Development	Global Growth & Opportunity	\$5,530,900
<u>The Pirbright Institute</u>	2019	Agricultural Development	Global Growth & Opportunity	\$5,530,900
<u>The Pirbright Institute</u>	2019	Malaria	Global Health	\$3,589,679
<u>The Pirbright Institute</u>	2018	Support Innovative Technology Solutions	Global Health	\$599,945
<u>The Pirbright Institute</u>	2018	Agricultural Development	Global Growth & Opportunity	\$2,999,745
<u>The Pirbright Institute</u>	2016	Agricultural Development	Global Growth & Opportunity	\$837,704
<u>The Pirbright Institute</u>	2016	Discovery and Translational Sciences	Global Health	\$385,144
<u>The Pirbright Institute</u>	2015	Agricultural Development	Global Growth & Opportunity	\$1,494,536
<u>The Pirbright Institute</u>	2013	Agricultural Development	Global Growth & Opportunity	\$189,232
<u>The Pirbright Institute</u>	2013	Agricultural Development	Global Growth & Opportunity	\$90,023

direct charitable contracts or [Program Related Investments](#). Please note that this database is a dynamic system that undergoes regular updates. We encourage you to reference the foundation's 990-PFs published on the [financials page](#) for the definitive list of all individual grants.

Your search for **university of north carolina** returned 120 results.

<u>GRANTEE</u>	<u>YEAR</u>	<u>ISSUE</u>	<u>PROGRAM</u>	<u>AMOUNT</u>
<u>University of North Carolina at Chapel Hill</u>	2019	MNCH Discovery & Tools	Global Health	\$2,133,290
<u>Duke University</u>	2019	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$4,523,100
<u>University of North Carolina at Chapel Hill</u>	2019	MNCH Discovery & Tools	Global Health	\$2,222,129
<u>Duke University</u>	2019	Discovery and Translational Sciences	Global Health	\$4,498,760
<u>University of North Carolina at Chapel Hill</u>	2019	HIV	Global Health	\$2,911,452
<u>Duke University</u>	2019	HIV	Global Health	\$2,738,195
<u>University of Delaware</u>	2019	K-12 Education	US Program	\$1,724,048
<u>North Carolina State University</u>	2019	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$500,000
<u>Duke University</u>	2019	Global Health and Development Public Awareness and Analysis	Global Policy & Advocacy	\$850,041

<u>GRANTEE</u>	<u>YEAR</u>	<u>ISSUE</u>	<u>PROGRAM</u>	<u>AMOUNT</u>
<u>University of North Carolina at Chapel Hill</u>	2019	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$25,340
<u>University of North Carolina at Chapel Hill</u>	2018	MNCH Discovery & Tools	Global Health	\$537,951
<u>University of North Carolina at Chapel Hill</u>	2018	Discovery and Translational Sciences	Global Health	\$100,000
<u>University of North Carolina at Chapel Hill</u>	2018	MNCH Discovery & Tools	Global Health	\$12,564,320
<u>University of North Carolina at Chapel Hill</u>	2018	K-12 Education	US Program	\$1,069,135
<u>Duke University</u>	2018	Global Health and Development Public Awareness and Analysis	Global Development	\$150,000
<u>Duke University</u>	2018	Access to Global Health Solutions	Global Health	\$480,306
<u>Duke University</u>	2018	Delivery of Solutions to Improve Global Health	Global Development	\$1,998,680
<u>University of North Carolina at Chapel Hill</u>	2018	MNCH Discovery & Tools	Global Health	\$99,997
<u>Duke University</u>	2018	Support Innovative Technology Solutions	Global Health	\$960,725
<u>Duke University</u>	2018	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$1,282,093
<u>University of North Carolina at Chapel Hill</u>	2018	MNCH Discovery & Tools	Global Health	\$1,368,075
<u>Duke University</u>	2018	Development of Solutions to Improve Global Health	Global Health	\$55,000
<u>North Carolina State University</u>	2018	Global Health and Development Public Awareness and Analysis	Global Policy & Advocacy	\$249,932
<u>Duke University</u>	2017	Tuberculosis	Global Health	\$186,366
<u>Duke University</u>	2017	Malaria	Global Health	\$3,065,391
<u>University of North Carolina at Chapel Hill</u>	2017	Family Planning	Global Development	\$4,000,000
<u>University of North Carolina at Chapel Hill</u>	2017	Maternal, Neonatal and Child Health	Global Development	\$2,028,270
<u>University of North Carolina at Chapel Hill</u>	2017	Postsecondary Success	US Program	\$500,000
<u>Duke University</u>	2017	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$118,204
<u>Duke University</u>	2017	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$7,110,470
<u>Duke University</u>	2017	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$5,612,723
<u>University of North Carolina at Chapel Hill</u>	2016	Family Planning	Global Development	\$1,754,176
<u>North Carolina State University</u>	2016	Discovery and Translational Sciences	Global Health	\$100,000

<u>University of North Carolina at Chapel Hill</u>	2016	HIV	Global Health	\$1,790,407
<u>North Carolina State University</u>	2016	Agricultural Development	Global Growth & Opportunity	\$2,149,624
<u>University of North Carolina at Chapel Hill</u>	2016	HIV	Global Health	\$507,450
<u>Duke University</u>	2016	HIV	Global Health	\$2,397,541
<u>Johnson C Smith University</u>	2016	Postsecondary Success	US Program	\$99,792
<u>Duke University</u>	2016	Tuberculosis	Global Health	\$1,379,915
<u>Duke University</u>	2016	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$160,021
<u>Duke University</u>	2016	Discovery and Translational Sciences	Global Health	\$4,631,720
<u>Duke University</u>	2016	HIV	Global Health	\$32,688,920
<u>University of North Carolina at Chapel Hill</u>	2015	Family Planning	Global Development	\$5,948,233
<u>Duke University</u>	2015	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$571,937
<u>Clafin University</u>	2015	Postsecondary Success	US Program	\$1,624,187
<u>Fayetteville State University</u>	2015	Postsecondary Success	US Program	\$1,623,999
<u>Johnson C Smith University</u>	2015	Postsecondary Success	US Program	\$1,623,980
				\$729,412
<u>University of South Carolina</u>	2015	Discovery and Translational Sciences	Global Health	
<u>University of South Carolina</u>	2015	Agricultural Development	Global Growth & Opportunity	\$1,271,678
<u>Duke University</u>	2015	Family Interest Grantmaking	Special Projects	\$10,000,000
<u>Duke University</u>	2014	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$226,709
<u>Duke University</u>	2014	HIV	Global Health	\$3,940,062
<u>Duke University</u>	2014	HIV	Global Health	\$297,579
<u>North Carolina State University</u>	2014	K-12 Education	US Program	\$479,874
<u>Fayetteville State University</u>	2014	Postsecondary Success	US Program	\$75,020
<u>Clafin University</u>	2014	Postsecondary Success	US Program	\$75,020
<u>Johnson C Smith University</u>	2014	Postsecondary Success	US Program	\$75,020
<u>University of North Carolina at Chapel Hill</u>	2014	Discovery and Translational Sciences	Global Health	\$100,000
<u>Duke University</u>	2014	Discovery and Translational Sciences	Global Health	\$100,000
<u>Duke University</u>	2013	HIV	Global Health	\$3,463,629
<u>North Carolina State University</u>	2013	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$1,749,361
<u>Duke University</u>	2013	HIV	Global Health	\$392,369

<u>North Carolina State University</u>	2013	Postsecondary Success	US Program	\$90,758
<u>University of North Carolina at Chapel Hill</u>	2013	Family Planning	Global Development	\$9,024,469
<u>Duke University</u>	2013	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$3,478,230
<u>University of North Carolina at Chapel Hill</u>	2013	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$20,000
<u>Duke University</u>	2012	Postsecondary Success	US Program	\$50,000
<u>Duke University</u>	2012	Discovery and Translational Sciences	Global Health	\$894,462
<u>Duke University</u>	2012	HIV	Global Health	\$3,197,294
<u>Clemson University</u>	2012	Maternal, Neonatal and Child Health	Global Development	\$39,855
<u>Clemson University</u>	2012	Discovery and Translational Sciences	Global Health	\$100,000
<u>University of North Carolina at Chapel Hill</u>	2012	Discovery and Translational Sciences	Global Health	\$100,000
<u>North Carolina State University</u>	2012	Discovery and Translational Sciences	Global Health	\$98,447
<u>Clemson University</u>	2011	K-12 Education	US Program	\$463,282
<u>North Carolina State University</u>	2011	Water, Sanitation and Hygiene	Global Growth & Opportunity	\$119,997
<u>Duke University</u>	2011	Discovery and Translational Sciences	Global Health	\$31,925,351
<u>North Carolina State University</u>	2011	Postsecondary Success	US Program	\$1,297,711
<u>Duke University</u>	2011	Global Health and Development Public Awareness and Analysis	Global Development	\$3,684,817
<u>Medical University of South Carolina</u>	2011	Discovery and Translational Sciences	Global Health	\$87,068
<u>North Carolina State University</u>	2011	Discovery and Translational Sciences	Global Health	\$99,920
<u>Duke University</u>	2010	Pneumonia	Global Health	\$426,990
<u>University of North Carolina at Chapel Hill</u>	2010	Discovery and Translational Sciences	Global Health	\$99,855
<u>University of North Carolina at Chapel Hill</u>	2010	Discovery and Translational Sciences	Global Health	\$98,427
<u>Duke University</u>	2010	HIV	Global Health	\$25,536

<u>University of North Carolina at Chapel Hill</u>	2010	Family Planning		Global Development	\$500,000
<u>University of North Carolina at Chapel Hill</u>	2010	Discovery Sciences	and Translational	Global Health	\$100,000
<u>University of North Carolina at Chapel Hill</u>	2010	Discovery Sciences	and Translational	Global Health	\$100,000
<u>University of North Carolina at Chapel Hill</u>	2010	Early Learning		US Program	\$149,981
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Neglected Tropical Diseases		Global Health	\$1,757,916
<u>Duke University</u>	2009 and earlier	HIV		Global Health	\$7,473,711
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Nutrition		Global Development	\$2,196,121
<u>Duke University</u>	2009 and earlier	Discovery Sciences	and Translational	Global Health	\$100,000
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Family Planning		Global Development	\$27,575,360
<u>Institute for Advanced Journalism Studies</u>	2009 and earlier	Inform and Engage Communities		Special Projects	\$254,500
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Early Learning		US Program	\$123,589
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Education		US Program	\$1,642,318
<u>Duke University</u>	2009 and earlier	HIV		Global Health	\$134,282
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Global Health and Development Public Awareness and Analysis		Global Health	\$13,672,340
<u>Duke University</u>	2009 and earlier	HIV		Global Health	\$15,988,448
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Neglected Tropical Diseases		Global Health	\$16,786,971
<u>Duke University</u>	2009 and earlier	Family Interest Grantmaking		Special Projects	\$700,000
<u>Duke University</u>	2009 and earlier	Research Opportunities	and Learning	US Program	\$25,000
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Global Libraries		Global Development	\$6,024
<u>Duke University</u>	2009 earlier	and Family Interest Grantmaking		Special Projects	\$35,000,000
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Education		US Program	\$200,000
<u>Duke University</u>	2009 and earlier	Research Opportunities	and Learning	US Program	\$25,000
<u>University of South Carolina</u>	2009 and earlier	Global Libraries		Global Development	\$12,130

Grantmaking

AWARDED GRANTS

This database includes grant payments made by the Bill & Melinda Gates Foundation and previous foundations of the Gates family (William H. Gates Foundation, Gates Library Foundation, and Gates Learning Foundation) from 1994 onward. They system includes grant payments only, not direct charitable contracts or [Program Related Investments](#). Please note that this database is a dynamic system that undergoes regular updates. We encourage you to reference the foundation's 990-PFs published on the [financials page](#) for the definitive list of all individual grants.

GRANTEE	YEAR	ISSUE	PROGRAM	AMOUNT
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Global Libraries	Global Development	\$66,213
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$3,000
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Global Health and Development Public Awareness and Analysis	Global Health	\$17,827,124
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$10,000
<u>University of North Carolina at Chapel Hill</u>	2009 and earlier	Education	US Program	\$2,950,500
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$25,000
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$10,000
<u>University of South Carolina</u>	2009 and earlier	Global Libraries	Global Development	\$44,705
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$10,000
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$20,000,000
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$10,000
<u>Duke University</u>	2009 and earlier	Research and Learning Opportunities	US Program	\$7,500

7.6.3 British Pirbright Busted for Coronavirus Hoax²⁵

[Corruption](#), [Genocide](#), [Global Control](#)

Patriots for Truth, Voices of the American Intelligence Media



February 9, 2020

British Pirbright Busted for Coronavirus Hoax

Busy week in the mines. We have been posting our finds on the [Cat Reports](#) as they come up.

To get started, you may want to **read the article below** (see headline hyperlink) which has two excellent **videos between Mike and Doug**. Below the headline, get caught up on our recent finds this week.

WHO gave D.A.R.P.A. the TREASONOUS authority to create the CORONAVIRUS?

The British and American press (London Telegraph, New York Herald) helped fund the **Henry M. Stanley's British East India Company's** conquest of Congo resources for the British Empire

In 1874, Henry Stanley's **support of King Leopold** to claim and subdue the Congo was funded by the New York Herald and the London Telegraph.

In 1879, Stanley was funded by the **International Association**, founded by Leopold II in 1878 with financing from an **international group of bankers**.

<https://www.britannica.com/topic/Association-Internationale-du-Congo>

https://en.wikipedia.org/wiki/International_Association_of_the_Congo

<https://www.britannica.com/place/Democratic-Republic-of-the-Congo/History>

²⁵ <https://patriots4truth.org/2020/02/08/british-pirbright-busted-for-coronavirus-hoax/>

Congo. In 1871 Henry M. Stanley, then a reporter on the *New York Herald*, was sent by his employer, James Gordon Bennett, to find Livingstone. He reached Zanzibar in January 1871.

but to the Congo. In 1874 Henry M. Stanley was sent, at the expense of the *New York Herald* and the *London Telegraph*, to continue Livingstone's explorations. Organizing at Zanzibar, Stanley visited the mountains that

lasted three years. In 1879 Stanley was again sent out to Africa under the auspices of the International Association, at the head of which was the King of Belgium, for the purpose of founding the Congo Free State.

<https://www.britannica.com/topic/Association-Internationale-du-Congo>

https://en.wikipedia.org/wiki/International_Association_of_the_Congo


<https://www.britannica.com/place/Democratic-Republic-of-the-Congo/History>

L. Brent Vaughan, ed. (1897). The Junior Encyclopedia Britannica. A Reference Library of General Knowledge, PDF pp. 37,38. VOL. I. A to E. E.G. Melvin & Company.

<https://www.fbcoverup.com/docs/library/1897-The-Junior-Encyclopedia-Britannica-A-Reference-Library-of-General-Knowledge-ed-L-Brent-Vaughan-VOL-I-A-to-E-EG-Melvin-and-Company-1897.pdf#page=37>

The Pirbright Institute (patent holder of the Coronavirus) conjunction of pharma-tech-propaganda Pilgrims Society demon spawn

<https://aim4truth.org/2020/01/28/proof-coronavirus-is-a-bioweapon/>



US010130701B2

(12) **United States Patent**
Bickerton et al.

(10) Patent No.: **US 10,130,701 B2**
 (45) Date of Patent: **Nov. 20, 2018**

(54) **CORONAVIRUS**

(71) Applicant: **THE PIRBRIGHT INSTITUTE,**
 Pirbright, Woking (GB)

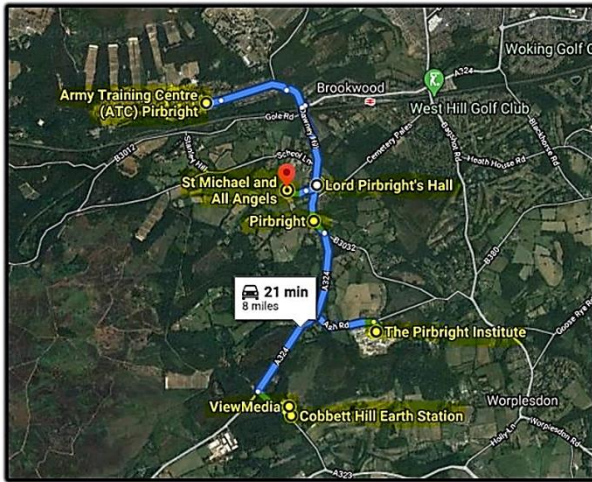
OTHER PUBLICATIONS

Sperry Journal of Virology, 2005, vol. 79, No. 6, pp. 3391-3400.*
 Altschul et al., Basic local alignment search tool. *J. Mol. Biol.* 215: 403-10 (1990).

A conjunction of demon spawns:

- The Pirbright Institute / Wellcome Trust/Foundation **biowarfare**
- Army Training at Pirbright, incl. **intelligence**;
- Lord Pirbright, Rothschild **banking** dynasty
- Cobbett Hill Earth Station, digital and wireless **"Internet of Things" and "5G" monopoly**
- Sir Henry M. Stanley (buried at St. Michaels, Pirbright), British East Indian Co., conquest of Congo, Cecil Rhodes, The Pilgrims Society


<https://www.google.com/maps/@51.2891239,-0.669957,7461m/data=!3m1!1e3?hl=en>



Lord Pirbright

<https://www.fbcoverup.com/docs/library/2020-02-07-Henry-de-Worms-1st-Baron-Pirbright-Biography-Wikipedia-accessed-Feb-07-2020.pdf>

The Right Honourable
The Lord Pirbright
PC, DL, JP, FRS



Under-Secretary of State for the Colonies

In office
20 February 1888 – 1892

Monarch	Victoria
Prime Minister	The Marquess of Salisbury
Preceded by	The Earl of Onslow
Succeeded by	Sydney Buxton

Henry de Worms, 1st Baron Pirbright PC, DL, JP, FRS (20 October 1840 – 9 January 1903), known before his elevation to the peerage in 1895 as Baron Henry de Worms, was a **British Conservative politician**.

His paternal grandmother was Schönche Jeannette Rothschild (1771–1859), thus his paternal great grandfather was **Mayer Amschel Rothschild** (1744– 1812), the founder of the **Rothschild banking dynasty**.

As a result, his paternal **great-granduncles** were Amschel Mayer Rothschild (1773–1855), **Salomon Mayer von Rothschild** (1774–1855), **Nathan Mayer Rothschild** (1777–1836), Carl Mayer von Rothschild (1788–1855), and James Mayer de Rothschild (1792– 1868).

St. Michael and All Angels graveyard contains Sir Henry M. Stanley. Stanley was a contemporary of Cecil Rhodes and was an **agent of the British East India Company** in the takeover of the Congo. Stanley also **collected poisons and cures** for **Henry S. Wellcome** and his company Burroughs Wellcome & Co.

Sydney Buxton, Lord Pirbright’s successor in the Cabinet–pushed through the Marconi Wireless monopoly contract

<https://www.fbcoverup.com/docs/library/1914-01-20-SECRET-British-Cabinet-meeting-on-Compulsory-Wireless-Telegraphy-in-1914-Jan-20-1914-re-Marconi-etc-Cat-No-37-118-12-by-Sydney-Buxton-SB-Pres-Board-of-Trade-The-National-Archives-Jan-20-1914.pdf>



<https://chillteleport.com/>

COBBETT HILL EARTH STATION

Cobbett Hill Earth Station is an independent UK based Teleport operator offering a comprehensive range of satellite communication services for the Corporate, Maritime, Oil & Gas, Government and Military sectors.



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1 officer / 0 resignations

JASWAL, Awaes Ahmed

Correspondence address

Unit 10, Lansbury Business Estate, Lower Guildford Road, Woking, United Kingdom, GU21 2EP

Role **ACTIVE**
Director

Date of birth
October 1982

Appointed on
8 August 2019

Nationality
British

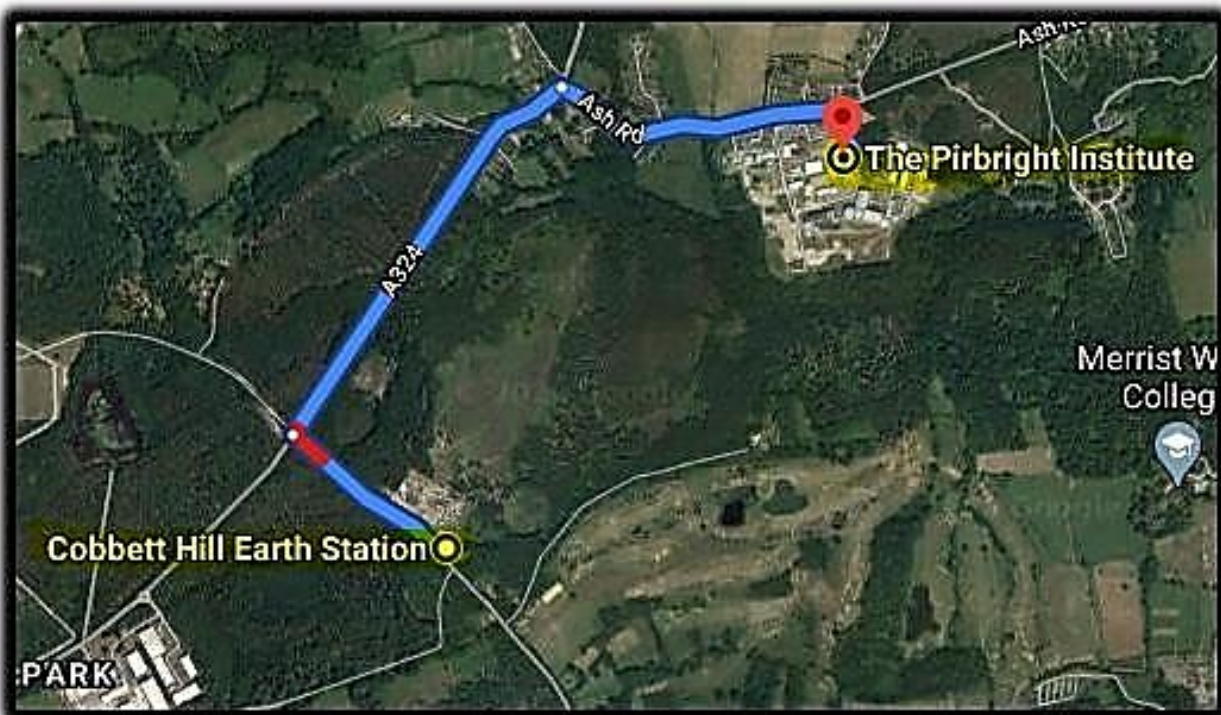
Country of residence
United Kingdom

Occupation
Company Director

<https://beta.companieshouse.gov.uk/company/12145788/officers>



4 min. drive from The Pirbright Institute to Cobbett Hill Earth Station/View Media.





- iDirect

<p><u>Multiservice Broadcast Networks</u></p>	<p><u>Satellite News Gathering</u></p>
<p>Uniquely address the needs and challenges of the 'broadcast transmission' market.</p>	<p>Our DSNG products are IP enabled, allowing both real time transmission, media file transfers and interactive services.</p>

ST Engineering is a global technology, defence and engineering group specialising in the aerospace, electronics, land systems and marine sectors. The Group employs about 22,000 people across offices in Asia, the Americas, Europe and the Middle East, serving customers in the defence, government and commercial segments in more than 100 countries. With more than 500 smart city projects across 70 cities in its track record, the Group continues to help transform cities through its suite of Smart Mobility, Smart Security and Smart Environment solutions. Headquartered in Singapore, ST Engineering reported revenue of \$6.7b in FY2018 and it ranks among the largest companies listed on the Singapore Exchange. It is a component stock of the FTSE Straits Times Index, MSCI Singapore, SGX ESG Transparency Index and SGX ESG Leaders Index. For more information, please visit www.stengg.com.

• Gazprom

Gazprom

From Wikipedia, the free encyclopedia

Public Joint Stock Company Gazprom (Russian: Публичное акционерное общество «Газпром», *Publichnoe Aktsionerное Obshchestvo Gazprom*, abbreviated **PAO Gazprom**, Russian: ПАО «Газпром», IPA: [gesˈprom]) is a large Russian company founded in 1989, which carries on the business of extraction, production, transport, and sale of natural gas. The company is majority owned by the Government of Russia, via the Federal Agency for State Property Management and Rosneftgaz [ru].^[5] The remaining shares trade publicly. The Gazprom name is a portmanteau of the Russian words *Gazovaya Promyshlennost* (Russian: газoвая промышленность - gas industry). Gazprom is in the process of moving from Moscow to Saint Petersburg, where it has constructed Europe's tallest building for its new headquarters.^[6] Gazprom is the world's largest gas producer.

• Telesat

Telesat	
Type	Private
Industry	Telecommunications
Predecessors	Telesat Canada, Loral Skynet, AT&T Skynet
Founded	May 2, 1969
Headquarters	Ottawa, Ontario, Canada
Key people	Daniel S. Goldberg (CEO)
Products	satellite communications and integration services
Owners	Loral Space (63%) PSP Investments (37%) [1]
Website	telesat.com ↗

Loral Space

• Intelsat

Operations [\[edit\]](#)

Intelsat maintains^[when?] its corporate headquarters in Luxembourg, with a majority of staff and satellite functions. Administrative headquarters is located at the Intelsat Corporation offices in Tysons Corner, Virginia.^[21] A highly international business, Intelsat sources the majority of its revenue from non-U.S. located customers. Intelsat's biggest teleport is the Teleport Fuchsstadt in Germany.^[22]

• Level(3)

On October 31, 2016, CenturyLink announced an agreement to acquire Level 3 Communications in a cash and stock transaction.^[6] Level 3 became part of CenturyLink on November 1, 2017.

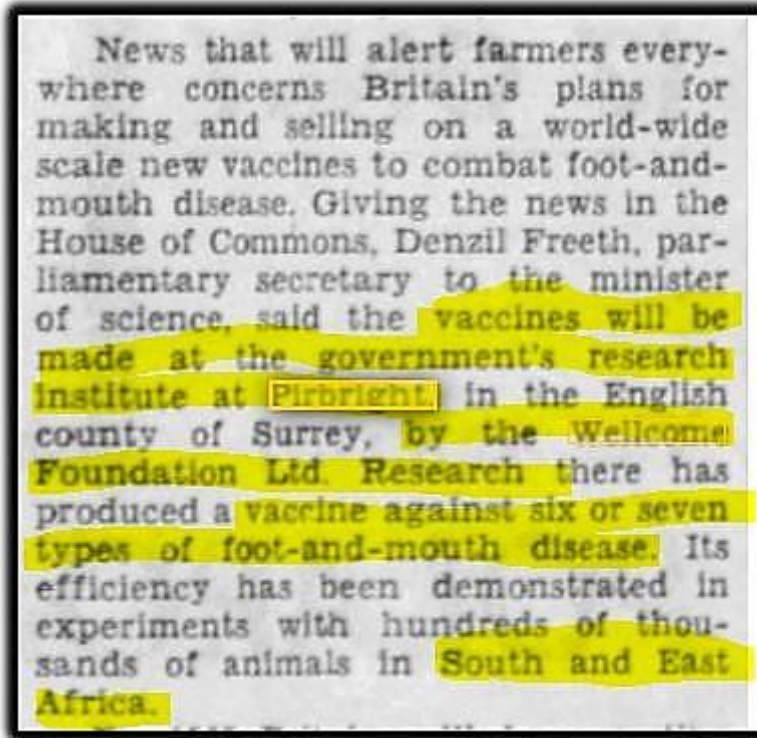
On November 1, 2017, Level 3 Communications officially merged with CenturyLink.^{[18][19]} As part of the merger, work was required to divest of 24 individual fiber optic lines spanning 30 city pairs as required by the US Department of Justice. Additionally, Level 3 was required to divest of metro Ethernet markets in Boise, Tucson, and Albuquerque to satisfy antitrust requirements. The company complied with the divestiture of those assets.

Wellcome Foundation Ltd. Research (Pirbright, UK).

Vaccine manufacturing at Pirbright (Jun. 23, 1961)

Editor. (Jun. 23, 1961). Wellcome Foundation Ltd. Research (Pirbright, UK) **to commercially produce foot and mouth disease vaccines at Pirbright**, Surrey UK. Edmonton Journal.

<https://www.fbcoverup.com/docs/library/1961-06-23-Wellcome-Foundation-Ltd-Research-to-commercially-produce-foot-and-mouth-disease-vaccines-at-Pirbright-Surrey-UK-Edmonton-Journal-Jun-23-1961.pdf>



Lord Pirbright (Baron Henry de Worms) and the Rothschilds are both related ad intertwined Jewish MPs re. Russia.

Record of the Times (Wilkes-Barre, Pennsylvania)

02 Dec 1887, Fri

<https://www.newspapers.com/image/83268701/>

Baron Hirsch's Philanthropy.

LONDON, Nov. 29.—Baron Hirsch's offer of £2,000,000 for the benefit of Jews in Europe was made in a letter to the Czar, his object being the founding of primary schools in Russia. The Czar has accepted the offer. The money has been deposited in the Bank of England. Baron Rothchild and Baron Henry de Worms have been appointed trustees.

Wellcome, De Worms (Baron Pirbright) and Stanley would have disapproved of President Trump's American First policy! Indeed, they (and their spawn) planned to rule the English-speaking world long ago.

The British Board of Trade was clearly a springboard between the public and private sectors, between the British government and the British East India Company absorption, where DeWorms, Chamberlain, Churchill, Bryce, Balfour, George, Buxton, Wilson, Heath, Heseltine, Darling and where Geoffrey Pattie was the Minister of State, Industry and Information Technology & keeper of the Golden Shares.

https://en.wikipedia.org/wiki/Board_of_Trade

https://en.wikipedia.org/wiki/President_of_the_Board_of_Trade

Did Henry Wellcome will the Pilgrims Society into existence, partly for eugenics, sponsored by de Worms who donated land for his vaccine manufacturing location in Pirbright?

CONSECRATION OF THE COLUMBIA LODGE, No. 2397.

The consecration of the Columbia Lodge, No. 2397—which is intended to supplement the good work being done by the Anglo-American Lodge in entertaining American brethren visiting England—took place at the Café Royal, Regent-street, on Thursday, the 19th inst., in the presence of a large and representative gathering of Masons. The Consecrating Officer was Bro. Colonel Shadwell H. Clerke, P.G.D., Grand Secretary, assisted by Bros. Thomas Fenn, President Board of General Purposes, as S.W.; W. G. Lemon, A.G.D. of C., as J.W.; Rev. R. J. Simpson, LL.D., P.G.C., as Chap.; C. F. Matier, P.G. Std. Br., as D. of C.; and Col. W. Bristow, P.G.S.B., as I.G.

The founders and officers designate of the new lodge—a large majority of whom were present—are Bros. Major George Lambert, F.S.A., P.G.S.B., I.P.M.; A. Clark, P.M., P.Z., W.M.; Col. John T. North, S.W.; Alf. Cooke, J.P. (Mayor of Leeds), J.W.; John B. Cumming, P.M., P.Z., Treas.; Wm. J. Spratling, B.Sc., P.M., P.Z., P.P.G. Treas. Middlesex, Sec.; Henry S. Wellcome, S.D.; F. S. Hobson, P.M., J.D.; Elias Jessurun, I.G.; B. Crumplen, D.C.; John Morgan Richards, A.D.C.; W. Henry, P.M., Org.; Frederick C. Van Duzer, Charles Hubbard, P.M., and Major Francis W. Frigout, P.M., Stewards; Brackstone Baker, P.Z., P.G.D.; W. M. Bywater, P.Z., P.G.S.B.; Thomas J. Barratt, P.M.; E. Caffin, P.M., P.G.S.; General J. C. New, Dr. J. J. Wedgwood, M.D., P.M.; Maurice Jewell, P.M.; Harry Meiggs, Arthur W. Chapman, P.M.; Victor Le Huray, Walter Thornton Linton, and Robert S. Murray.

The Columbia Lodge No. 2397 seems to have been the precursor to the Rhodes/Milner Round Table and the Pilgrims Society

Harry S. Wellcome. (March 28, 1891). Consecration of the Columbia Lodge, No. 2397 (re. Anglo-American Lodge), held on Mar. 19, 1891, Vol. XXVI, No. 1151, p. 178, ¶2. The Freemason.

[https://www.fbcoverup.com/docs/library/1891-03-28-Harry-S-Wellcome-Consecration-of-the-Columbia-Lodge-No-2397-\(re-Anglo-American-Lodge\)-Vol-XXVI-No-1151-p-178-%C2%B62-119-FVL-1891-03-28-001-SINGLE-The-Freemason-Mar-28-1891.pdf#page=2](https://www.fbcoverup.com/docs/library/1891-03-28-Harry-S-Wellcome-Consecration-of-the-Columbia-Lodge-No-2397-(re-Anglo-American-Lodge)-Vol-XXVI-No-1151-p-178-%C2%B62-119-FVL-1891-03-28-001-SINGLE-The-Freemason-Mar-28-1891.pdf#page=2)

Henry S. Wellcome (Mar. 19, 1891): "...welding of a new tie to the English-speaking people of the two hemispheres."

The Grand Secretary then installed the W.M. designate, Bro. Adolphus Clark, P.M., who invested the following officers: Bros. Major George Lambert, P.G.S.B., acting I.P.M.; Alf. Cooke, J.P. (Mayor of Leeds), J.W.; John B. Cumming, P.M., Treas.; William J. Spratling, P.M., Sec.; Henry S. Wellcome, S.D.; F. Stratham Hobson, P.M., J.D.; Elias Jessurun, I.G.; Benj. Crumplen, D.C.; J. Morgan Richards, A.D.C.; W. Henry, P.M., Org.; Frederick C. Van Duzer, Charles Hubbard, P.M., and Major Francis W. Frigout, P.M., Stwds.; and T. Bowler, Tyler. Bro. Colonel John T. North, the S.W. designate, was unavoidably absent owing to a previous engagement.

Bro. H. S. WELLCOME, S.D., in giving "The Consecrating Officers," said they had all been impressed with the great beauty and feeling of the service they had listened to with so much interest, and which had meant so much to them. They had been peculiarly honoured by very distinguished Masons attending to lay the corner-stone. The founding of that lodge was the welding of a new tie to the English-speaking people of the two hemispheres, and anyone who did anything to promote that tie of brotherhood between the English-speaking people did good. If Masonry could, and, certainly, Masonry has and does strengthen that tie, in the founding of that lodge a great blessing had been conferred, and an additional tie made. The distinguished brother, Bro. Colonel Clerke, who had conducted that ceremony, was a gentleman who was well-known in the two hemispheres for his constant services to Masonry, and it was a peculiar kindness for him to lend himself to extending the number of lodges. The Grand Secretary had been assisted by the P.G. Chaplain, whose beautiful oration impressed them so much, and they were especially honoured by the presence of that great Mason who did so much for the ritual in England, and whose example was followed in other countries—he referred to Bro. Fenn, the head of that great lodge of instruction which was the criterion in Masonry. The other Consecrating Officers were well known, but he was sure he could leave it to the brethren in their hearts to make the building of which the corner-stone had been laid a structure in all that was beautiful in Masonry.

... in the same The Freemason number in 1891:

Baron Henry de Worms (1st Lord Pirbright). (Mar. 28, 1891). Dinner for the King of Belgium [Leopold II, r. 1865-1909] et al held on Mar. 20, 1891, Masonic and General Things, Vol. XXVI, No. 1151, p. 188, Col. 2, 8. The Freemason.

[https://www.fbcoverup.com/docs/library/1891-03-28-Baron-Henry-de-Worms-\(1st-Lord-Pirbright\)-Dinner-for-King-of-Belgium-\[Leopold-II-r-1865-1909\]-et-al-held-Mar-20-1891-Masonic-and-General-Things-Vol-XXVI-No-1151-p188-The-Freemason-Mar-28-1891.pdf](https://www.fbcoverup.com/docs/library/1891-03-28-Baron-Henry-de-Worms-(1st-Lord-Pirbright)-Dinner-for-King-of-Belgium-[Leopold-II-r-1865-1909]-et-al-held-Mar-20-1891-Masonic-and-General-Things-Vol-XXVI-No-1151-p188-The-Freemason-Mar-28-1891.pdf)

Bro. Baron Henry de Worms, M.P., and the Baroness Henry de Worms entertained the King of the Belgians at dinner on the 20th instant, among the guests invited to meet his Majesty being the Austrian Ambassador and the Countess Deyson, the Spanish Ambassador, Bro. the Duke and Duchess of Abercorn, and the Belgian Minister and the Baroness Solvyas.

Baron Henry de Worms = 1st Baron Pirbright

King of Belgium = King Leopold II

King Leopold II used British "explorer" Henry M. Stanley to subdue the Congo in 1876

Stanley is buried in Pirbright where de Worms was the 1st Baron Pirbright—most likely his government sponsor along with King Leopold and de Worms Rothschild relatives.

https://en.wikipedia.org/wiki/Henry_de_Worms,_1st_Baron_Pirbright

...Baron de Worms **held office** under PM Lord Salisbury as **Parliamentary Secretary to the Board of Trade** from 1886 to 1888 and as Under-Secretary of State for the Colonies from 1888 to 1892.

Henry Wellcome **set up his vaccine research facility in Pirbright**, which is there to this day, where the Coronavirus was developed and patented.

(Note, these men would have disapproved of President Trump's American First policy)

The Congo Free State, also known as the **Independent State of the Congo** (French: État indépendant du Congo, Dutch: Kongo-Vrijstaat), was a large state in Central Africa from 1885 to 1908. It was **ruled personally by Leopold II and not by the government of Belgium**, of which he was the constitutional monarch. Leopold II was able to procure the region by convincing other Eurasian states at the Berlin Conference that he was involved in humanitarian and philanthropic work and **would not tax trade**.^[2] Via the International Association of the Congo, he was able to **lay claim to most of the Congo basin**. On 29 May 1885, after the closure of the Berlin Conference, the king announced that he planned to name his possessions "**the Congo Free State**", an appellation which was not yet used at the Berlin Conference and which officially replaced "International Association of the Congo" on 1 August 1885.^[3] The Congo Free State **operated as a corporate state** privately controlled by Leopold II, although he never personally visited the state.^[4]

Stanley's exploration

Henry Morton Stanley, whose exploration of the Congo region at Leopold's invitation led to the establishment of the Congo Free State **under personal sovereignty**

In 1876 Leopold II of Belgium hosted a geographic conference in Brussels, inviting famous explorers, philanthropists, and members of geographic societies to stir up interest in a "humanitarian" endeavor for Europeans to take in central Africa to "**improve**" and "**civilize**" the lives of the indigenous peoples.^[13] At the conference, Leopold organized the International African Association with the cooperation of European and American explorers and the support of several European governments, and was himself elected chairman. Leopold used the association to promote plans to seize independent central Africa under this philanthropic guise.

Henry Morton Stanley, famous for making contact with British missionary David Livingstone in Africa in 1871, later explored the region during a journey that ended in 1877 and was described in Stanley's 1878 novel Through the Dark Continent.^[14] Failing to enlist British interest in developing the Congo region, Stanley took up service with Leopold II, who hired him to help gain a foothold in the region and annex the region for himself.^[15]

From August 1879 to June 1884 Stanley was in the Congo basin, where he built a road from the lower Congo up to Stanley Pool and launched steamers on the upper river. While exploring the Congo for Leopold, Stanley **set up treaties** with the local chiefs and with native leaders.^[15] Few to **none of these tribal leaders had a realistic idea of what they were signing, and, in essence, the documents gave over all rights** of their respective pieces of land to King Leopold II. With Stanley's help, Leopold was able to claim a great area along the Congo River, and military posts were established.

Confirmation that the dubious British explorer Sir Harry M. Stanley had the (Harry) Wellcome medicine chest full of **experimental vaccines** (like multiple bogus acne vaccines) during his explorations in Africa ca. 1867-1895

https://en.wikipedia.org/wiki/Henry_Morton_Stanley

Robin McKie. (Jan. 08, 2011). Henry Wellcome: from backwoods boy to medicine man [incl. Henry Morton Stanley, p.3. The Guardian.

"He [Harry Wellcome] developed lightweight medicine chests and gave them to explorers such [as] Bleriot, Lindbergh, and Henry Stanley..."

"He also developed lightweight medicine chests and gave them to explorers such Blériot, Lindbergh, and Henry Stanley," says MacFarlane. "Scott was also given one which he took to the south pole and which was brought back when his body was found. It is now in the collection. Other individuals, including Edward VII and Gladstone, were given Wellcome medicine chests. The aim was to promote the Wellcome brand through stressing the company's association with empire and expedition. It worked extremely well and the company prospered."

Wellcome also made himself useful as a society party organiser, arranging lavish events that helped him network with politicians and celebrities including the likes of Oscar Wilde. Given that Wellcome was a teetotaler, this was some achievement.

Dorothy Stanley, ed. (Dec. 01, 1914). *The Autobiography of Sir Henry Morton Stanley, G.C.B.* (b. Jan. 28, 1841 d. May 10, 1904), Foreward by Henry S. Wellcome. London: Sampson Low, Marston and Co., Ltd., Wellcome Library.

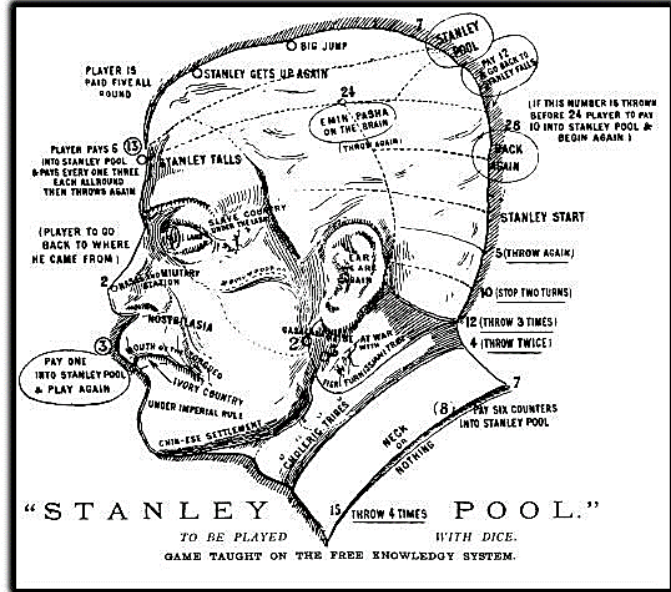
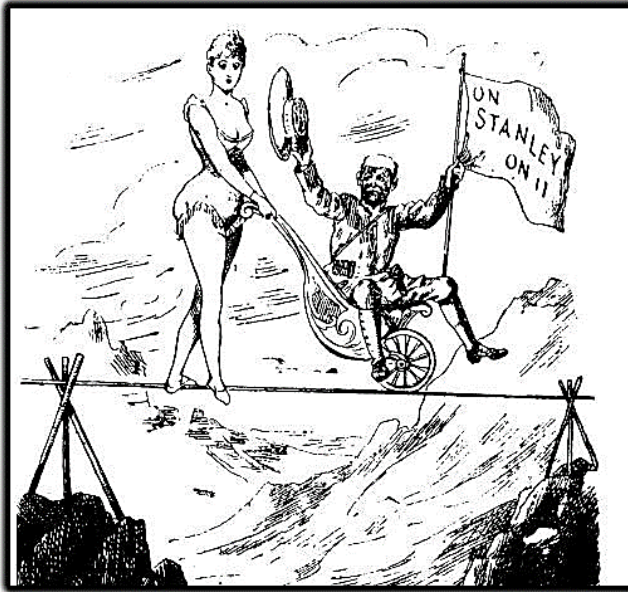
<https://www.fbcoverup.com/docs/library/1914-12-01-Autobiography-of-Sir-Henry-Morton-Stanley-GCB-b-Jan-28-1841-d-May-10-1904-Foreward-by-Henry-S-Wellcome-ed-Dorothy-Stanley-Wellcome-Library-Dec-01-1914.pdf>

Stanley's home in Pirbright, Surrey



Sir Henry M. Stanley was a contemporary of **British-American Corporate Imperialism** with Cecil Rhodes, Alfred Milner, Harry Wellcome and John Buchan.

Stanley's **hidden agenda** was the imperial expansion of the British Empire via the British East India Company, as well as to collect bio information from Africa for poisons and cures.



The charges against Stanley were developed in a substantial tract published in 1891 by Henry Fox Bourne, the secretary of the Aborigines Protection Society, entitled *The Other Side of the Emin Pasha Relief Expedition*. Not content with the now routine allegations of “wanton slaughtering and village-burning”, Fox-Bourne asserted (as historians have since argued) that the covert functions of Stanley’s expedition included the acquisition of territory for the British East Africa Company (which, through William Mackinnon, Stanley’s chief sponsor, became closely associated with the expedition), and the extension of Leopold’s influence in Central Africa, which required negotiations with Tippoo Tib.¹⁰⁸ This vision of his “empire-making errand” was shared by many others; indeed, not for the first time, Stanley was described as a

¹⁰⁵ *Anti-Slavery Reporter* (Jan.-Feb. 1891), pp. 12, 36; R.H., A.-S., A.P.S., MS. C98, H. Waller to E. Sturge, 13 Nov. 1890; W. Samarin, *The Black Man’s Burden: African Colonial Labour on the Congo and Ubangi Rivers, 1880-1900* (Boulder, Colo., 1989), pp. 103-4.

¹⁰⁶ *Aborigines’ Friend* (Dec. 1890), pp. 89-100.

¹⁰⁷ R.G.S., Stanley MSS., 10/2, [H. Wellcome], “Draft Notes in Defence of Mr. Stanley”; *Aborigines’ Friend* (Apr. 1891), pp. 155-64. Wellcome’s speech challenged widely held assumptions about the relationship between Livingstone and his African “faithfuls”. In editing Livingstone’s *Last Journals*, Waller had expunged references to his physical punishment of servants and porters: Helly, *Livingstone’s Legacy*, pp. 163-73.

¹⁰⁸ H. R. Fox Bourne, *The Other Side of the Emin Pasha Relief Expedition* (London, 1891), pp. 45-6, 75. See also R. Anstey, *Britain and the Congo in the Nineteenth Century* (Oxford, 1962), pp. 212-25; Smith, *Emin Pasha Relief Expedition*.

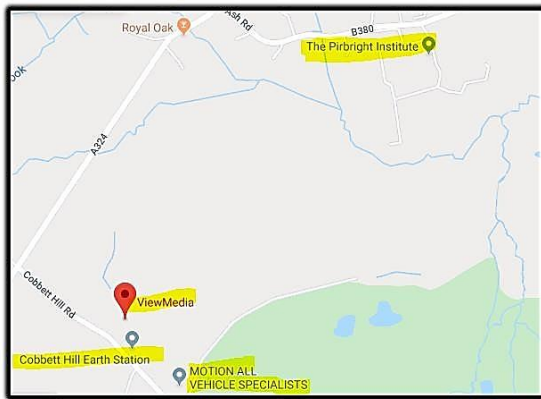
fame”.¹¹⁵ Even Stanley himself played on the distinction between his methods and Livingstone’s: “Each man has his own way. His, I think, had its defects, though the old man, personally, has been almost Christ-like for goodness, patience, and self-sacrifice. The selfish and wooden-headed world requires mastering, as well as loving charity; for man is a composite of the spiritual and earthly”.¹¹⁶ It is tempting to paint this contrast on a broader canvas, as the difference between two styles of cultural imperialism. Stanley’s famous encounter with Livingstone at Ujiji in 1871 might thus be seen as a moment of transition: the old imperialism giving way to the new. At the same time, Stanley’s methods of exploration seem to blur so profoundly the distinction between geography and warfare as to make it almost unrecognizable; as has been well observed, all his expeditions were “invasions . . .

Felix Driver. (Nov. 01, 1991). Henry Morton Stanley and His Critics: Geography, Exploration and Empire. Past and Present, Oxford University Press.

<https://www.fbcoverup.com/docs/library/1991-11-01-Henry-Morton-Stanley-and-His-Critics-Geography-Exploration-and-Empire-Past-and-Present-by-Felix-Driver-Oxford-University-Press-Nov-01-1991.pdf>

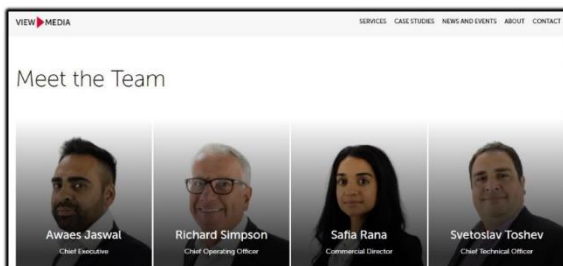
The Pirbright Institute

<https://www.google.com/maps/place/The+Pirbright+Institute/@51.2797528,-0.6371691,17z/data=!3m1!4b1!4m5!3m4!1s0x4875d6bfaa7fcf63:0xe6289560e06e7760!8m2!3d51.2797528!4d-0.6349804>



View Media TV is a Pirbright Institute (UK) neighbor

<https://www.viewmedia.tv/about/>



Who is Cobbett Hill Earth Station

<https://chillteleport.com/index.php/who-we-are>

WHO WE ARE

Cobbett Hill Earthstation Ltd is the **owner & operator** of one of the UK's leading independent **Teleport** facilities. It offers an extensive range of **satellite communication** services to the corporate, media, maritime, NGO, military and government sectors.

Core services provided include **internet, voice, data and broadcast** using primarily C-Band and Ku-Band frequencies.

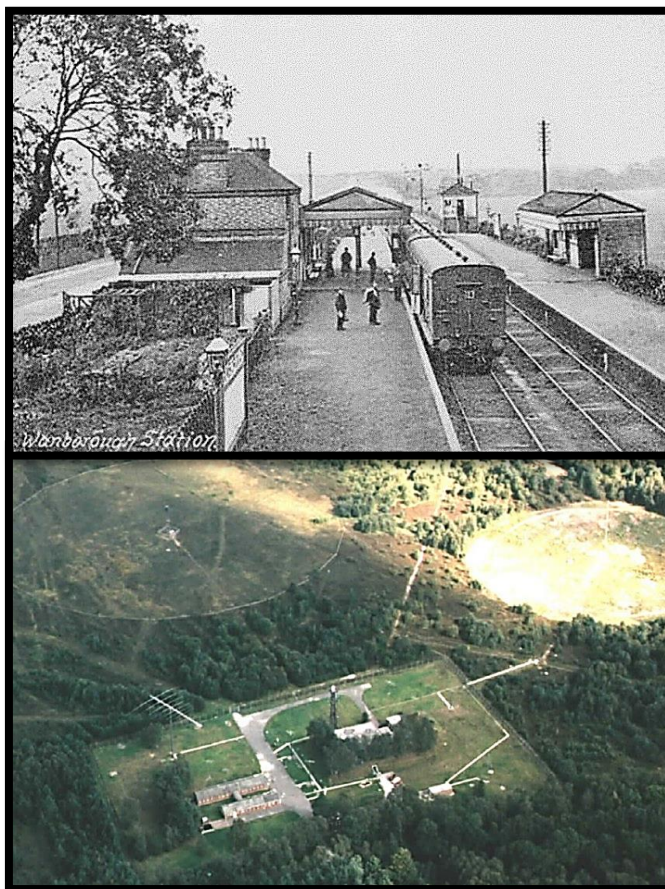
Cobbett Hill provide a **non-stop service provision**, offering customers 24/7/365 operation and support, using the most **advanced** VSAT platforms available to match the quality & performance of digital terrestrial circuits.

Focused primarily on the provision of C-band and Ku-band services (though approval for Ka and X-band services are in place), Cobbett Hill has a reputation for the design & bespoke building of end-to-end satellite communication solutions and unparalleled support services.

The **Teleport** is located near Guildford, 30 miles south west of London in the UK. The facility covers approx. 7 acres on a larger site of 187 acres and currently houses c. **50 antennae**. A new Network Operations Centre was recently constructed and planning has been approved for a 100% increase in office space and technical centre.

The Teleport is connected by geographically diverse redundant fibre and boasts redundant, secure power supplies, including 2 generators, Redundant UPS and a Green Technology Wood Burning Generator.

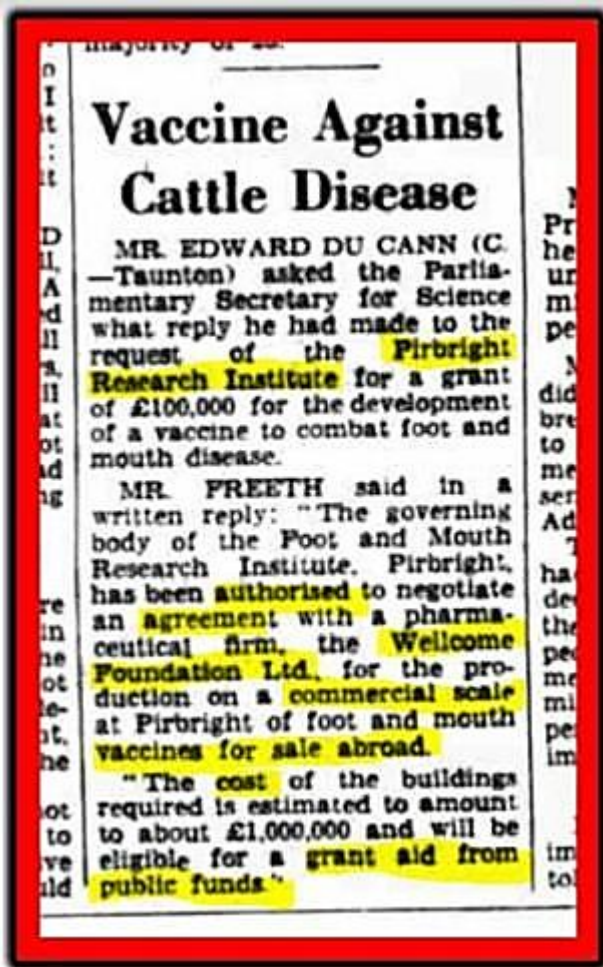
The location of the Teleport provides exceptional arcs of visibility to the South, East & West and provides potential to access up to **150 geostationary satellites**.





THE BIRMINGHAM POST, WEDNESDAY, MAY 3, 1961

The Wellcome Foundation was licensed to produce vaccines on a “commercial scale” at Pirbright, Woking, Surrey, UK ca. May 03, 1961.



The Pirbright Institute (UK) says it was formed in 1987 originally named Institute for Animal Health. This is a now evident **deception**.

<https://www.fbcoverup.com/docs/library/2020-01-29-Pirbright-Institute-Overview-Wikipedia-accessed-Jan-29-2020.pdf>

Pirbright Institute's **founding dates to before 1961** and is closely affiliated with **Wellcome Foundation/Trust**, whose **vaccine research** reaches back to the **late 1800's**. See The Evolution of Journalism, 1909.

Burroughs Wellcome & Co. (gift to 650 newspapermen at the First Imperial Press Conference, 1909, bankrolled by Harry Wellcome, whose **Empire Press Union, 1909** newspapermen created **British MI6, MI5 and CG&CS renamed GCHQ** in 1946 with the founding of "Five Eyes" (UK, US, CA, NZ, and AU Commonwealth secret intelligence sharing)—wait, the U.S. is sovereign, right? Wrong.

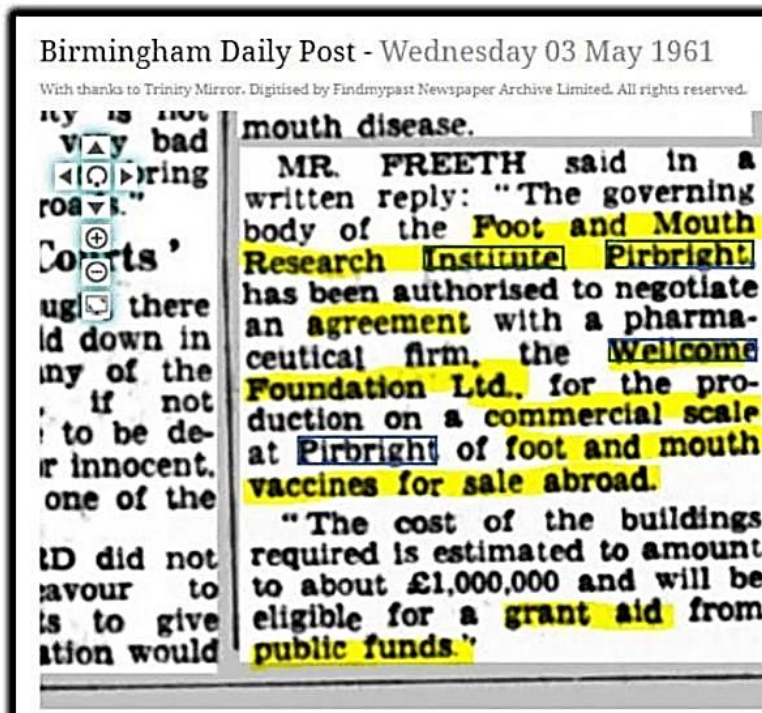
Its own information is remarkably deceptive. In Wikipedia they give two dates: 1987 and 1994 as part of the **BBSRC**, then there is 1983 as part of SERC (aka Alvey Programme founded by Sir Geoffrey E. Pattie) whose **bio science** activities became **BBSRC** and its **digital technologies** activities were **commercialized as SERCO**, controlled by the **Monarch's Golden Shares**.

See Spy-gate is directed by the Crown's courtiers in the UK, not by Russia.

This newly-discovered news article from the **Birmingham Daily Post on May, 03, 1961 puts Pirbright's vaccine activities before 1961** and pushes the integral relationship of (Burroughs) Wellcome Foundation/Trust (also GlaxoSmithKline) before 1961.

Editor. (May 03, 1961). Vaccine Against Cattle Disease [Wellcome Foundation Ltd. and the Foot and Mouth Research Institute, Pirbright]. Birmingham Daily Post.

[https://www.fbcoverup.com/docs/library/1961-05-03-Vaccine-Against-Cattle-Disease-\[Wellcome-Foundation-Ltd-and-the-Foot-and-Mouth-Research-Institute-Pirbright\]-Birmingham-Daily-Post-May-03-1961.pdf](https://www.fbcoverup.com/docs/library/1961-05-03-Vaccine-Against-Cattle-Disease-[Wellcome-Foundation-Ltd-and-the-Foot-and-Mouth-Research-Institute-Pirbright]-Birmingham-Daily-Post-May-03-1961.pdf)



Editor. (May 03, 1961). Vaccine Against Cattle Disease [Wellcome Foundation Ltd. and the Foot and Mouth Research Institute, Pirbright]. Birmingham Daily Post.

TRANSCRIPT

Vaccine Against Cattle Disease

EDWARD DU CANN (C—Taunton) asked the **Parliamentary Secretary for Science** what reply he had made to the request of the **Pirbright Research Institute for a grant of £100,000** for the development of a vaccine to combat foot and mouth disease.

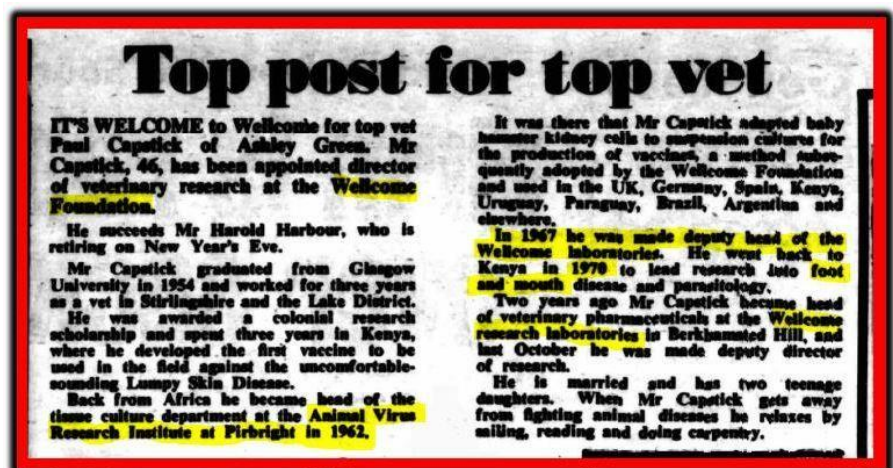
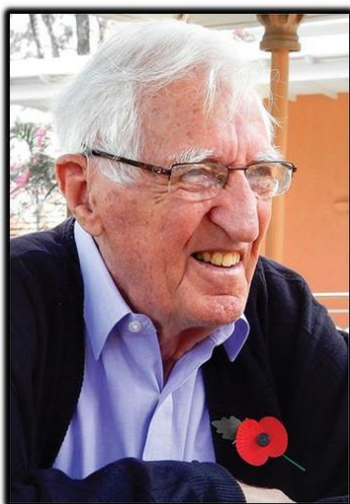
FREETH said in a written reply: "The governing body of the Foot and Mouth Research Institute, Pirbright, has been **authorised** to negotiate an agreement with a pharmaceutical firm, the Wellcome Foundation Ltd., for the production on a commercial scale at Pirbrights of foot and mouth vaccines for sale abroad.

"The cost of the buildings required is estimated to amount to about £1,000,000 and will be eligible for a grant aid from public funds."

New Information proves that **The Pirbright Institute (owner of CORONAVIRUS) and Wellcome Foundation/Trust have been one and the same since at least the 1960s**

Editor. (Sep. 05, 1975). Top post for top vet [Paul Capstick, Wellcome Foundation, Animal Virus Research Institute at Pirbright.

[https://www.fbcoverup.com/docs/library/1975-09-05-Top-post-for-top-vet-\[Paul-Capstick-Wellcome-Foundation-Animal-Virus-Research-Institute-at-Pirbright-Sep-05-1975.pdf](https://www.fbcoverup.com/docs/library/1975-09-05-Top-post-for-top-vet-[Paul-Capstick-Wellcome-Foundation-Animal-Virus-Research-Institute-at-Pirbright-Sep-05-1975.pdf)



<https://veterinaryrecord.bmj.com/content/183/2/74> <https://wellcomelibrary.org/>

Editor. (Sep. 05, 1975). Top post for top vet [Paul Capstick, Wellcome Foundation, Animal Virus Research Institute at Pirbright.

[https://www.fbcoverup.com/docs/library/1975-09-05-Top-post-for-top-vet-\[Paul-Capstick-Wellcome-Foundation-Animal-Virus-Research-Institute-at-Pirbright-Sep-05-1975.pdf](https://www.fbcoverup.com/docs/library/1975-09-05-Top-post-for-top-vet-[Paul-Capstick-Wellcome-Foundation-Animal-Virus-Research-Institute-at-Pirbright-Sep-05-1975.pdf)

TRANSCRIPTION

Editor. **(Sep. 05, 1975)**. Top post for top vet [Paul Capstick, Wellcome Foundation, Animal Virus Research Institute at Pirbright.

Top post for top vet

IT'S WELCOME to Wellcome for top vet Paul Capstick of Ashley Green. Mr Capstick, 46, has been appointed **director of veterinary research** at the Wellcome Foundation.

He succeeds Mr Harold Harbour, who is retiring on New Year's Eve.

Mr Capstick graduated from Glasgow University in 1954 and worked for three years as a vet in Stirlingshire and the Lake District.

He was awarded a colonial research scholarship and spent three years in Kenya, where he **developed the first vaccine to be used in the field** against the uncomfortable-sounding Lumpy Skin Disease.

Back from Africa he became head of the **tissue culture department** at the Animal Virus Research Institute at Pirbright in 1962.

It was there that Mr Capstick adopted baby hamster kidney cells to suspension cultures for the production of vaccines, a method subsequently **adopted by the Wellcome Foundation** and used in the UK, Germany, Spain, Kenya, Uruguay, Paraguay, **Brazil**, Argentina and elsewhere.

In 1967 he was made **deputy head of the Wellcome laboratories**. He went back to Kenya in 1970 to lead research into foot and mouth disease and parasitology.

Two years ago Mr Capstick became **head of veterinary pharmaceuticals** at the Wellcome research laboratories in Berkhamsted Hill, and last October he was made deputy director of research.

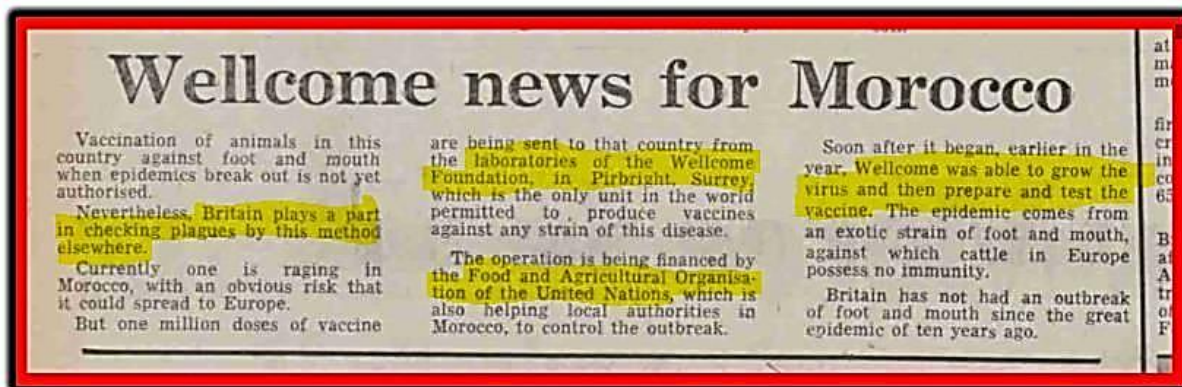
He is married and has two teenage daughters. When Mr Capstick gets away from fighting animal diseases he relaxes by sailing, reading and doing carpentry.

[NOTE: **Baron Richard B. Allan**, Facebook European Vice-president of Communications, has a paramour and mother of their twin daughters ELENI CLARA ALLAN and ALICIA SOPHIA ALLAN (b. Sep. 2006), **Dr. Ana Elena Padillar Jargstorf** (Allan) who is a **Wellcome Foundation advisor to the UK Parliament**. Baron Richard's father, **John F.D. Allan** (b. Mar. 01, 1924, m. Mar. 03, 1957, d. Q1 2005) was a **British spy** (personnel manager and chauffeur; his **grandfather was Frederick Leonard** ("F.L.") Allan (b. Sep. 02, 1983, m. Apr. 05, 1923, d. Mar. 09, 1964) was chief of staff at the War Office (1941-1945) and **oversaw British spies via the Special Operations Executive (SOE)** and also **British propaganda** via the Tavistock Institute; instrumental in post war funding of propaganda and intelligence **via the Rothschilds, Rockefellers, Carnegies and the British Royal Family**]

This 1977 article confirms that **Wellcome Foundation runs Pirbright Institute**

Editor. (Nov. 11, 1977). Wellcome news for Morocco. Birmingham Daily Post.

<https://www.fbcoverup.com/docs/library/1977-11-11-Wellcome-news-for-Morocco-Birmingham-Daily-Post-Nov-11-1977.pdf>



TRANSCRIPTION

Editor. (Nov. 11, 1977). Wellcome news for Morocco. Birmingham Daily Post.

Wellcome news for Morocco Vaccination of animals in this country against foot and mouth when epidemics break out is not yet authorised.

Nevertheless, **Britain plays a part in checking plagues** by this method elsewhere.

Currently one is raging in Morocco, with an obvious risk that it could spread to Europe.

But **one million doses of vaccine** are being sent to that country from the laboratories of the Wellcome Foundation, in Pirbright, Surrey, which is the **only unit in the world permitted to, produce vaccines against any strain of this disease.**

The operation is being **financed by the Food and Agricultural Organisation of the United Nations**, which is also helping local authorities in Morocco, to control the outbreak.

Soon after it began, earlier in the year, Wellcome was **able to grow the virus** and then prepare and test the vaccine. The epidemic comes from an **exotic strain** of foot and mouth, against which **cattle in Europe possess no immunity.**

Britain has **not had an outbreak of foot and mouth since the great epidemic** of ten years ago.

https://en.wikipedia.org/wiki/Jonas_Salk

(October 28, 1914 – June 23, 1995)

Postgraduate research

In 1941, during his **postgraduate work in virology**, Salk chose a two-month elective to work in the laboratory of Thomas Francis at the University of Michigan. Francis had recently joined the faculty of the medical school after working for the Rockefeller Foundation, where he had discovered the **type B influenza virus**. According to Bookchin, "the two-month stint in Francis's lab was Salk's first introduction to the world of virology—and he was hooked."^{[17]:25} After graduating from medical school, Salk began his residency at New York's prestigious^[18] Mount Sinai Hospital, where he again worked in Francis's laboratory.^[18]

Polio research

Further information: [Polio](#) and [Polio vaccine](#)

President Franklin D. Roosevelt meeting with [Basil O'Connor](#)

In 1947, Salk became ambitious for his **own lab** and was granted one at the [University of Pittsburgh School of Medicine](#), but the lab was smaller than he had hoped and he found the rules imposed by the university restrictive.[23] In 1948, Harry Weaver, the director of research at the National Foundation for Infantile Paralysis, contacted Salk. He asked Salk to find out if there were more types of polio than the three then known, offering additional space, equipment and researchers. For the first year he gathered supplies and researchers including [Julius Youngner](#), Byron Bennett, L. James Lewis, and secretary Lorraine Friedman joined Salk's team, as well.[5][24] As time went on, **Salk began securing grants from the Mellon family** and was able to **build a working virology laboratory**.[17] He later joined the [National Foundation for Infantile Paralysis's](#) polio project established by President Franklin D. Roosevelt.[17][25]

Salk served on the **board of directors of the John D. and Catherine T. MacArthur Foundation**.[39]

AIDS vaccine work

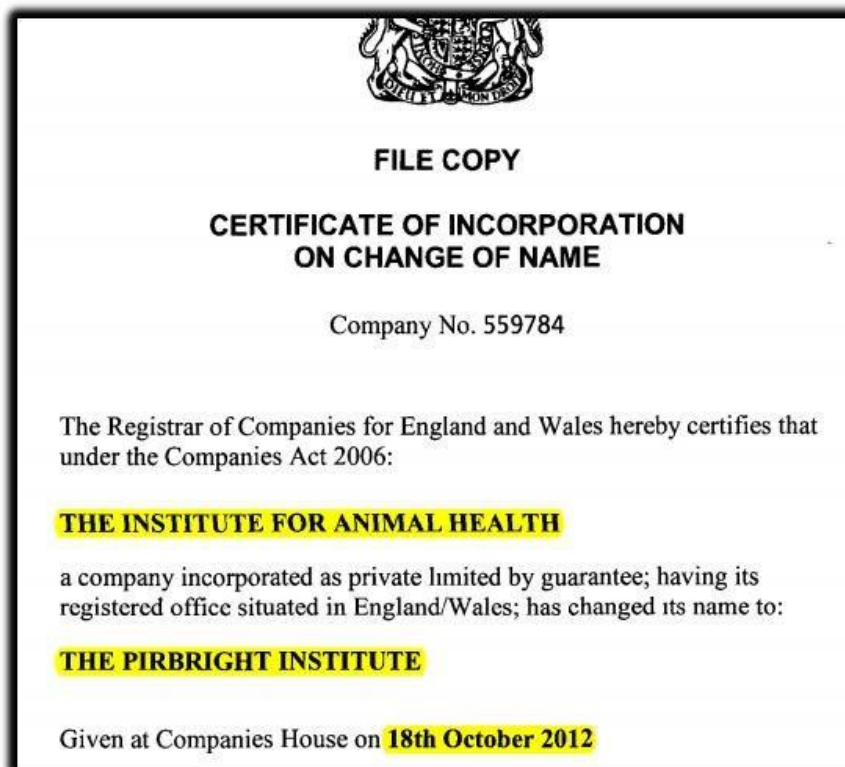
Beginning in the mid-1980s, Salk engaged in **research to develop a vaccine for AIDS**. He cofounded **The Immune Response Corporation (IRC)** with [Kevin Kimberlin](#) and patented **Remune**, an immunologic therapy, but was unable to secure [liability insurance](#) for the product.[45] The project was discontinued in 2007, twelve years after Salk's death.[citation needed]

The Great UK-U.S. Pilgrims Society Pharma-to-Eugenics Shell Game

The **Coronavirus patent** is held by the British company The Pirbright Institute.

Pilbright has a **secret vaccine partner—Merial**—who built a vaccine plant **just 220 miles from Wuhan, China**

Its former name as **The Institute for Animal Health**



NOTE THE DATE OF REGISTRATION TO PIRBRIGHT 18/10/12, WORLD ECONOMIC FORUM 18/10/20

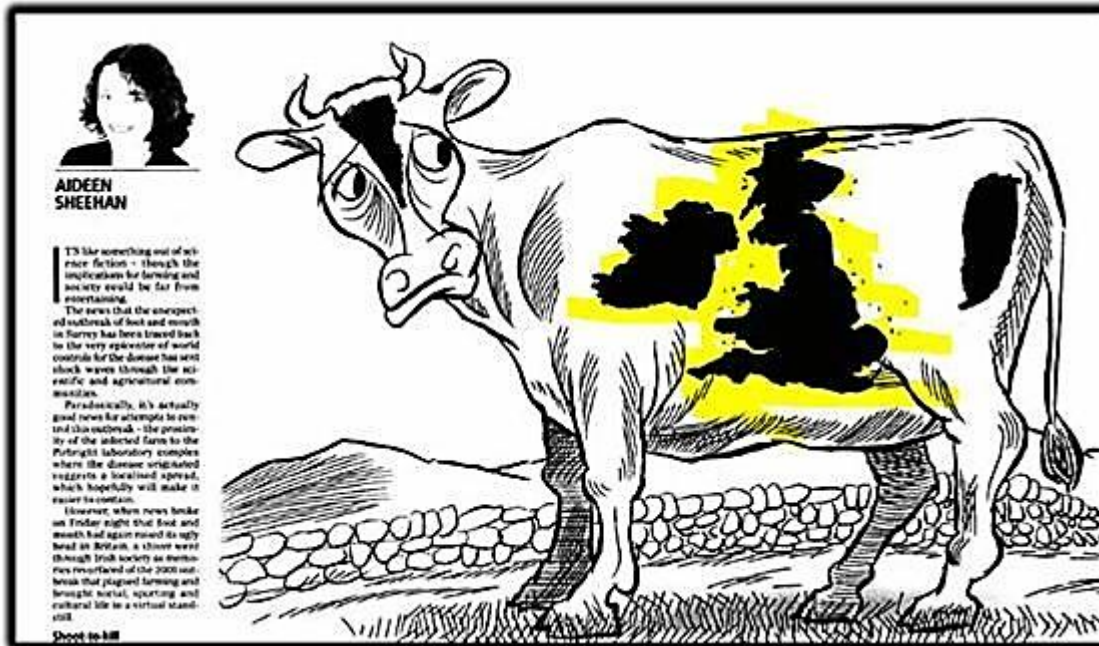
In 2007, an outbreak of foot and mouth disease was traced back to this Institute.

Aideen Sheehan. (Aug. 06, 2007). **Latest foot and mouth scare** is the stuff of sci-fi nightmares. Irish Independent.

<https://www.fbcoverup.com/docs/library/2008-08-06-Latest-foot-and-mouth-scare-is-the-stuff-of-sci-fi-nightmares-Irish-Independent-by-Aideen-Sheehan-Aug-06-2007.pdf>

<https://www.britishnewspaperarchive.co.uk/viewer/bl/0001715/20070806/096/0012>

(Noticed that the cow has a silhouette of Britain emblazoned on her side)



countries to protect against the disease.

It's a strain that harks back to the 1967 outbreak of the disease, but one no longer found in animals in many of the frequent worldwide outbreaks since then.

The plot thickens of course - and there's a second possible

suspect - the US pharmaceutical company Merial, which shares a campus with the Pirbright Institute of Animal Health and manufactures large quantities of the vaccine.

Both sides are now trying to pass the buck - proclaiming the excellence of their biosecurity measures, but UK investigators

What the heck is Merial pharma?

Merial is a multinational animal health company. In January 2017, Merial was acquired by **Boehringer Ingelheim**.^[1]

Contents [hide]

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- 2 Location
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Overview [edit]

In **August 1997**, Merial started as a **joint venture** between the animal health subsidiaries of **Merck & Co.** (MSD AgVet) and **Sanofi-Aventis** (Rhône-Mérieux). Merial became the animal health division of Sanofi, when Sanofi bought out Merck's 50% share of the joint venture. On December 30, 2016, **Boehringer Ingelheim** completed a swap of their OTC business for Sanofi's animal health business. **Merial is now owned by** **Boehringer Ingelheim** and combined with their animal health business, **Boehringer Ingelheim Vetmedica**, to form **Boehringer Ingelheim Animal Health**.

Merial produces many products and vaccines for domestic pets, farm animals and wildlife. Merial has about 6,900 employees and is present in more than **150 countries** in the world.^[2] Their sales in 2015 were about **€2.5 billion**.^[3] Some of Merial's most popular products are Frontline, Heartgard, NexGard, Ivomec, PureVax and Previcox.

In **October 2009**, Merial announced it was investing **70 million US\$** at its poultry vaccines plant in Nanchang Hi-tech Development Zone, China. On March 9, 2010, Sanofi-Aventis announced^[4] it had exercised an option to **combine Merial with Intervet/Schering Plough**, the animal health business of **Merck**. The new joint venture would be equally owned by **Merck** and **Sanofi-Aventis**. On March 22, 2011, they announced the mutual termination of their agreement to form a new animal health joint venture.

Merial



A SANOFI COMPANY

Type	private company limited by shares ↗
Industry	Animal healthcare
Founded	August 1, 1997
Headquarters	Lyon, France
Revenue	€2.5 billion (2015)
Number of employees	6,900
Parent	Boehringer Ingelheim
Website	www.merial.com ↗

Merial. (Accessed Feb. 03, 2020). Overview. Wikipedia.

Backup copy: <https://www.fbcoverup.com/docs/library/2020-02-03-Merial-Overview-Wikipedia-accessed-Feb-03-2020.pdf>

Note: The Pirbright Institute's 2018 annual report does not even mention Merial.

Merial's (aka Merck, Schering Plough, **Boehringer Ingelheim**, Sanofi-Aventis) Nanching, China vaccine plant is a short 221 miles (357 km) **four hour drive to Wuhan**, China, the alleged site of the current Coronavirus outbreak.



Sometimes it takes a while for articles of interest to percolate up to the surface of independent media. Notice the timing of these articles below and decide for yourself if the headline could be true. March 20, 2018 SCL

Coronavirus Propaganda from the BBC



Make sure to check information under the headline links. PURE PROPAGANDA FROM THE BBC (PRIVY COUNCIL) ABOUT THE CORONAVIRUS. The AFI miners are still deep in the mines, bringing out amazing discoveries which will soon be posted in all its evidentiary glory. We are in the process of securing all...

Dr. Anthony S. Fauci running damage control for Pirbright Institute

CDC propagandist Anthony S. Fauci, MD received major funding from The Bill and Melinda Gates Foundation—who also funded the Coronavirus patent holder The Pirbright Institute (UK). Fauci just recently received \$100 million grant from Gates. The Gates Foundation is also a major funder of The Pirbright Institute (UK) with DARPA...

Robert F. Kennedy Jnr asserts Dr Anthony Fauci funded the lab experiment to create the novel coronavirus.



7.6.4 Wellcome Trust – A Funder

Board of Governors

Our Board of Governors has ultimate responsibility for Wellcome's activities.



Chair

Eliza Manningham-Buller, LG, DCB, FMedSci

Date of appointment: 1 August 2008

Eliza Manningham-Buller has been Chair of Wellcome since 2015, having served as a Governor since 2008. Wellcome is a global charity which exists to improve health for everyone by helping great ideas to thrive. She leads a Board of Governors drawn from the worlds of science, business and public life.

In 2015, Eliza became the Co-President of Chatham House, **Royal Institute of International Affairs**. She served on the Council of Imperial College from 2009 and was Chair of Council from 2011 to 2015.

She was appointed an independent, crossbench peer in the House of Lords in 2008, and has been a member of the Privileges and Conduct Committee, the Joint Committee on the National Security Strategy, and the Science and Technology Committee.

Previously, Eliza had a **career with MI5** for more than 30 years, including a posting to the British Embassy in **Washington**. She served as Director General from 2002 to 2007 and before that was Deputy Director General, with responsibility for operations.

Eliza was educated at Benenden School and Lady Margaret Hall, Oxford. She taught for three years before joining MI5 in 1974.

LG: Lady Companion of the Most Noble **Order of the Garter**

DCB: Dame Commander of the **Order of the Bath**

FMedSci: Fellow of the Academy of Medical Sciences



Deputy Chair

Professor Sir Michael A J Ferguson CBE, FRS, FRSE, FMedSci

Date of appointment: 1 January 2012

Mike Ferguson is **Regius Professor of Life Sciences** and academic lead for Research Strategy in the School of Life Sciences at the University of Dundee. His personal research takes a multidisciplinary approach to understanding the biochemistry of protozoan **parasites** that cause **tropical diseases**. He believes in the fundamental importance of working across the biology-chemistry interface and in interdisciplinary research in general.

He is particularly interested in **translational research** and, together with his colleagues, established the Drug Discovery Unit at the University of Dundee and led the construction of the Discovery Centre (for Translational

and Interdisciplinary Research). He co-directs a proteomics facility that supports much of the work of his colleagues in the Schools of Life Sciences and Medicine. He is also a Board member of Amphista Therapeutics.

Mike was knighted in 2019 for his services to science.

CBE: Commander of the Order of the British Empire
 FRS: Fellow of the Royal Society
 FRSE: Fellow of the Royal Society of Edinburgh
 FMedSci: Fellow of the Academy of Medical Sciences

Professor Tobias Bonhoeffer

Date of appointment: 1 September 2014



Tobias Bonhoeffer is Director at the **Max Planck Institute of Neurobiology** and Professor at the **Ludwig Maximilians University in Munich**. He is one of the world's foremost researchers in systems neuroscience. He studies synaptic plasticity in the brain focusing on learning, memory and how the brain adapts to its environment.

Tobias served for more than 20 years as department head at the Max Planck Institute of Neurobiology and later also as Chair of the **Biomedical Section** of the Max Planck Society. He has been a member of the scientific advisory boards of numerous leading Institutions, including the **Chan Zuckerberg Initiative**, the ETH Zurich, the Janelia Farm Research Campus of the Howard Hughes Medical Institute and the **Chinese Academy of Sciences**.

Tobias is a member of the German National Academy of Sciences, Leopoldina, the Academia Europaea and the European Molecular Biology Organization. He has been

awarded the Ernst-Jung Prize for Medicine.



Amelia Fawcett DBE, CVO

Date of appointment: 1 September 2019

Amelia Fawcett, a former investment banker and lawyer, has a career spanning financial services, media and telecommunications, investment management and government. In addition to 20 years at **Morgan Stanley**, she has extensive board experience including at the **Guardian Media Group**, The Prince of Wales's Charitable Foundation, the UK Treasury, the Court of the Bank of England and the London Business School.

Currently, she is the lead director of **State Street Corporation in the USA**, Chair of Kinnevik **AB** in Sweden and Chair of Royal Botanic Gardens Kew.

DBE: Dame Commander of the Order of the British Empire

CVO: Commander of the Royal Victorian Order

Richard Gillingwater



Date of appointment: 1 September 2019

Richard Gillingwater is currently the Chair of SSE, the **renewable energy** and networks group, and Janus Henderson, a global asset manager. After a career in finance, he set up and ran UK Government **Investments**, created to manage the government’s state-owned businesses, and chaired the UK’s development finance business, **CDC**, investing in Africa and Asia. He has also served as Dean of Cass Business School and as Chair of the Open University and has wide board experience.

As well as being one of Wellcome's governors, Richard will also chair our Investment Committee.



Professor Bryan Grenfell OBE, FRS

Date of appointment: 1 September 2014

Bryan Grenfell is the Kathryn Briger and Sarah Fenton Professor of Ecology, Evolution and Public Affairs at Princeton University. He is jointly appointed at the Woodrow Wilson School and Department of Ecology and Evolutionary Biology.

With over 30 years’ experience researching the population dynamics of **infectious diseases**, his research focuses on the **epidemiology, evolution and vaccination control of infections** such as measles and **influenza**. Bryan has advised the UK government and the **World Health Organization** on the mathematical modelling and control of a variety of infectious diseases.

He is a Fellow of the Royal Society, the American Academy of Arts and Sciences, and the American Association for the Advancement of Science. He has also been awarded the **T H Huxley Medal** from **Imperial**

College and the Scientific Medal of the **Zoological Society of London**.

OBE: Order of the British Empire
 FRS: Fellow of the Royal Society



Fiona Powrie, FRS, FMedSci

Date of appointment: 1 January 2018

Fiona Powrie is Director of the **Kennedy Institute of Rheumatology, University of Oxford**. She gained a PhD in immunology from the University of Oxford and then moved to the **DNAX Research Institute in Palo Alto**. She returned to the University of Oxford in 1996 where she was the Sidney Truelove Professor of **Gastroenterology** and Head of the Translational Gastroenterology Unit from 2009-2014.

Fiona's research is focused on interactions between the **intestinal microbiome and the immune system**. She identified the role of regulatory T cells in controlling intestinal inflammation and established the cytokine IL-23 as a therapeutic target in inflammatory bowel disease. She is particularly interested in translating basic research into clinical application. She leads the Oxford Biomedical Research Centre's

Gastroenterology and Mucosal Immunology theme and recently established the Accelerated Therapy for Arthritis Programme, a clinical research network designed to increase the testing of **novel therapies** in the clinic.

She serves on a number of scientific advisory boards including the **Lister Institute**, the Imagine Institute in Paris and the Evergrande Centre in Boston. She received the Louis Jeantet Prize for Medicine in 2012 and was elected a Fellow of the Royal Society in 2011, EMBO in 2013 and the Academy of Medical Sciences in 2014.

FRS: Fellow of the Royal Society
FMedSci: Fellow of the Academy of Medical Sciences

Cilla Snowball DBE

Date of appointment: 1 September 2019

Cilla Snowball has had a long career in **advertising**, including 26 years at the creative agency AMV BBDO, where she was Group CEO and Group Chairman, and pivotal in making it one of the most successful advertising agencies in the UK.



She has chaired the Women's Business Council, acted as a trustee of Comic Relief, and is a Non-Executive Director at the property investment and development company Derwent London plc. She chairs the **GREAT** Campaign Private Sector Council for the Department for International Trade.

DBE: Dame Commander of the Order of the British Empire

Elhadj As Sy

Date of appointment: 1 January 2020

Elhadj As Sy's most recent role was Secretary General of the **International Federation of Red Cross and Red Crescent Societies (IFRC)**, the world's largest humanitarian network.

He has over 30 years' experience of leadership in the humanitarian and development sector, having previously served at a senior level at **UNICEF, UNAIDS, UNDP and the Global Fund to fight AIDS, TB and Malaria.**

He has served on the board of international organisations including the Roll **Back Malaria Partnership**, the Global Preparedness Monitoring Board, Kofi Annan Foundation and the Global Commission on Climate Adaptation.



7.6.5 Boehringer Ingelheim – A Global Leader in Immunology & Respiratory Disease

Background:

The Pirbright Institute has close affiliations with vaccine pharmaceuticals including British Merial (originally a joint venture between drug companies U.S. Merck and French Sanofi-Aventis), German Boehringer-Ingelheim, British Wellcome Trust, and the Bill and Melinda Gates Foundation. Wellcome Trust and the Gates Foundation are the two largest investors in pharma research on the planet and heavily fund The Pirbright Institute. Fig. 3—Editor. (Aug. 05, 2007). Foot-and-mouth strain identified. BBC News. Institute for Animal Health, Pirbright laboratory, Merial Animal Health, Institute for Animal Health, Surrey, UK, site of the foot and mouth outbreak. The investigation into Merial cited extreme sloppiness such as bio security lapses, poor drainage systems, poor maintenance and inspection, poor communications, lack of oversight of contractors working on the site, poor record-keeping, conflicts of interest within the government entities and Merial's commercial interests. Merial and its key shareholder, the French company Sanofil, were together acquired by **German Boehringer Ingelheim** on Jan. 03, 2017. Merial was founded in the UK on Mar. 07, 1997 through the merger of the animal health businesses of Merck and Rhone Merieuxm (also named Sanofi-Aventis) and is one of the top 10 players in the UK pharmaceuticals industry. They operate in more than 150 countries, employ more than 5,000 people, and boasted 2007 sales of £1.1billion. On Feb. 09, 2017, **Boehringer-Ingelheim bought Merial-Sanofil** and continues to operate Merial's vaccine manufacturing facilities at The Pirbright Institute.

Boehringer Ingelheim has four major research areas: Immunology & respiratory diseases, cardiometabolic diseases, central nervous system diseases, and oncology. "... Boehringer Ingelheim has long been one of the world leaders in respiratory health... Innovative research can **only** stop the pandemic if all relevant parties – from governments, multilateral institutions, companies, to NGOs – work together to ensure access to care is provided to all countries independent of income level. Boehringer Ingelheim is invested in finding therapeutics as fast as possible, but emphasizes that speed does not trump patient safety, which remains the top priority.

Boehringer Ingelheim has signed a communiqué jointly with the **Bill & Melinda Gates Foundation** and fifteen other pharmaceutical companies committing to providing **global access to COVID-19 vaccines, diagnostics and therapeutics**. The communiqué was **presented by Bill Gates** during an event at the United Nations General Assembly. It is sharing the commitment of Boehringer Ingelheim and the other pharmaceutical companies **to end the pandemic** as well as appealing to partners across the entire development-to-deployment pathway to become involved. Innovative research will only end the pandemic when paired with **expansive collaboration among the life science companies** as well as governments, NGOs, multilateral institutions and others to **ensure access** to all countries regardless of their income level.



Our four major Research Areas

Our new discovery research strategy aims at enhancing our capacity for innovation and at encouraging scientific creativity for diseases with high unmet medical need. It is based on three pillars:

Four Discovery Research Therapeutic Areas

Build on our strengths in R&D by focusing on core diseases for which we have built expertise over time and are actively investing from early research, through clinical development, to the market phase.

Scientific platforms

Focus on highly dynamic research fields such as immune modulation and regenerative medicine which may impact and create synergies among several of our Discovery Research Therapeutic Areas.

Research Beyond Borders

Explore emerging science and technology for but also beyond our Discovery Research Therapeutic Areas in order to prepare a timely and efficient entry into emerging new medical and scientific fields and technologies.

Boehringer Ingelheim's successes in research & development continuously strengthen our portfolio of medications and offer patients true therapeutic benefit.

Our strategy focuses on four therapeutic research areas with high unmet medical need:

- Immunology & Respiratory diseases,
- Cardiometabolic diseases,
- Central nervous system diseases, and
- Oncology.

Our Company

The Boehringer Ingelheim group is one of the world's 20 leading pharmaceutical companies. Headquartered in Ingelheim, Germany, Boehringer Ingelheim operates globally with 146 affiliates and a total of more than 47,700 employees. The focus of the family-owned company, founded in 1885, is researching, developing, manufacturing and marketing new medications of high therapeutic value for human and veterinary medicine.

Social responsibility is an important element of the corporate culture at Boehringer Ingelheim. This includes worldwide involvement in social projects, such as the initiative "Making more Health" and caring for the employees. Respect, equal opportunities and reconciling career and family form the foundation of the mutual cooperation. In everything it does, the company focuses on environmental protection and sustainability.



About Us Innovation Animal Health Duboisia Farms Human Pharmaceuticals Careers

...the initiative "making more health" and caring for the employees. Respect, equal opportunities and reconciling career and family form the foundation of the mutual cooperation. In everything it does, the company focuses on environmental protection and sustainability.

OUR COMPANY
COVID-19

As a company, we consider it our duty to take the best possible care of the protection and health of our employees, our patients and society. Boehringer Ingelheim is engaged at various levels of action to contain and cope with the global spread of COVID-19.

MANAGEMENT
Board of Managing Directors

As a family-owned company Boehringer Ingelheim is governed by the Board of Managing Directors composed of six members. Read more about their respective responsibilities.

FINANCIAL
Financial Highlights

Net sales, R&D expenditures, Operating Income and Personal Capacity: Boehringer Ingelheim grows and invests in 2018

ABOUT US
Global Activities

The Boehringer Ingelheim group is one of the world's 20 leading pharmaceutical companies. Headquartered in Ingelheim, Germany, it operates with 145 affiliates.

COVID-19
Our Global Support Program

ABOUT US
Company Video: Value through Innovation

New company video of Boehringer Ingelheim - Value through Innovation



About Us Innovation Animal Health Duboisia Farms Human Pharmaceuticals Careers

Working with Healthcare Professionals

We work with healthcare professionals to improve patient care, build shared knowledge and identify future patient needs that can be met through our research and development.

CORPORATE
Organisation

Get an overview of the major consolidated companies and our main business areas Human Pharmaceuticals and Animal Health

Working at Boehringer Ingelheim – Being part of a global family

As a research-driven pharmaceutical company Boehringer Ingelheim strives to improve health of people and animals everywhere in the world.

CORPORATE RESPONSIBILITY
Diversity & Inclusion

OUR EMPLOYEES
Our employees – our greatest asset

The employees of Boehringer Ingelheim form the core of our corporate culture as a family-owned company that lives out its responsibility and builds on mutual respect and fairness.

MAKING MORE HEALTH
Making More Health

Our global MMH initiative identifies and supports innovation health solutions by focusing on social entrepreneurial activities and co-creation

Working with Healthcare Professionals

Our approach

Boehringer Ingelheim has sought to develop innovative **new medicines for well over 130 years**, in a quest to improve the health and wellbeing of society. These new medicines are the result of decades of research, development and clinical testing. Healthcare professionals play a pivotal role along this development process. As new medicines come to market, with the potential to significantly benefit the health and welfare of Australian patients, Boehringer Ingelheim engages in the education of healthcare professionals in **Australia** to ensure the safe, effective and appropriate use of our medicines.

We also work with healthcare professionals to improve patient care, **build shared knowledge and identify future patient needs** that can be met through our research and development. This dialogue is critical to ensure that the needs of Australian patients are being best met. We believe that this interaction with healthcare professionals benefits patient care, and enables advances to be made in the therapeutic areas in which the company operates.

We also believe that healthcare professionals who provide independent advice or offer their expertise to develop or deliver appropriate education to relevant audiences should be fairly compensated for their time, services and expertise. Boehringer Ingelheim has for many **years supported extensive medical education of Australian healthcare professionals** with the aim of improving patient care. Through **educational programs** accredited by Australian institutions, peer-led meetings, and support of independent scientific meetings, Boehringer Ingelheim is strongly committed to the advancement of patient care.

Reporting Period	Report File
1 November 2019 to 30 April 2020	From 30 August 2019, this information is now held in a database, administered by Medicines Australia. This database is designed to be searchable as well as downloaded as a CSV file. For further information about the details in the report, or to search the database, please visit www.DisclosureAustralia.com.au
1 May 2019 to 31 October 2019	From 30 August 2019, this information is now held in a database, administered by Medicines Australia. This database is designed to be searchable as well as downloaded as a CSV file. For further information about the details in the report, or to search the database, please visit www.DisclosureAustralia.com.au
1 November 2018 to 30 April 2019	From 30 August 2019, this information is now held in a database, administered by Medicines Australia. This database is designed to be searchable as well as downloaded as a CSV file. For further information about the details in the report, or to search the database, please visit www.DisclosureAustralia.com.au
1 May 2018 to 31 October 2018	Download PDF Download CSV
1 November 2017 to 30 April 2018	Download PDF Download CSV
1 May 2017 to 31 October 2017	Download PDF Download CSV*

All of our **interactions with Australian healthcare professionals** are highly professional, ethical and strictly adhere not only to the company’s high ethical standards, but also to the standards set out in the Medicines Australia Code of Conduct. We fully understand that the community needs to have confidence in these interactions.

The pharmaceutical industry, through Medicines Australia has been a leader in the Australian healthcare sector in developing and implementing a robust Code of Conduct that governs these relationships to ensure they are ethical and transparent.

Boehringer Ingelheim is committed to listening and evolving to meet community expectations on how we work with healthcare professionals, while providing important medicines that prevent and treat diseases in Australian patients and ensuring quality education both in regard to therapeutic areas and appropriate use of medicines within these areas.

The Transfer of Value Report – Boehringer Ingelheim Australia

This report highlights the significant value Boehringer Ingelheim **delivers to Australia's healthcare system** through the support of professional training and medical education for healthcare professionals. This is particularly important at a time when our state and federal budgets are under increasing pressure.

Boehringer Ingelheim's Transfer of Value Reports

***The information in this report was republished on April 12. If you viewed this report between February 28 to April 12 please be aware that the total amount of the report was correct, however the individual information was not displaying correctly.**

About the Report

As a **member of Medicines Australia**, Boehringer Ingelheim has undertaken to be open and transparent when we provide a reportable payment or transfer of value to a healthcare professional.

Reportable payments or transfers of value are:

Payments for the provision of services such as giving a lecture, chairing an educational meeting, providing advice as a member of an Advisory Board or as a Consultant; and

Airfares, accommodation and/or conference registration fees to attend medical education as part of those services.

Boehringer Ingelheim has prepared the report for publication in accordance with the **Medicines Australia** Code of Conduct, Edition 18 and Australia's Privacy legislation. The report identifies healthcare professionals by name where their consent has been provided. Where **consent** has not been provided the information is reported in aggregate.

From 1 October 2016, reporting these payments is mandatory – details will be reported because healthcare professionals should reasonably expect that **all reportable payments or transfers** of value will be disclosed for each healthcare professional, by name. The report is available for at least three years from the date of publication.


From 30 August 2019, this information is now held in a database, administered by Medicines Australia. This database is designed to be searchable as well as downloaded as a CSV file.

To comply with our **privacy** obligations, the report may be amended from time to time. The report here contains the most up to date information. Any use or disclosure of the data by a third party is the responsibility of that third party, who must comply with the **Australian Privacy Act 1988**.

For further information about the details in the report, please go to medicinesaustralia.com.au

Learn more about how we work with [Health Consumer Organisations](#)

Learn more about [Clinical Research in Australia](#)



HUMAN PHARMACEUTICALS
Welcome to CardioCare

Supporting HCPs in managing cardiovascular health. CardioCare offers access to online tools and resources related to CV health.



HUMAN PHARMACEUTICALS
Welcome to Lung Learning

A new Australian website for respiratory information, tools and resources.



Our Company
Working with Healthcare Professionals

We work with healthcare professionals to improve patient care, build shared knowledge and identify future patient needs that can be met through our research and development.



PRODUCTS
Product Information for Australian Consumers



PRODUCTS
Product Information for New Zealand Consumers

Disclaimer

The information on this page is only intended for residents of Australia. Pharmaceutical companies cannot offer medical advice or guidance to consumers or patients in accordance with industry regulations. For health-related or medicines advice, you should consult your doctor or health professional.

Australia Products A....Z

Product name:	Generic drug name:
Actilyse®	alteplase / tpa
Aptivus®	tipranavir
Atrovent® Atrovent® Metered Aerosol (CFC Free) Atrovent® Inhalation Solution Atrovent® UDV	ipratropium bromide
Giotrif®	afatinib dimaleate
Glyxambi®	empagliflozin / linagliptin
Jardiamet®	empagliflozin / metformin hydrochloride
Jardiance®	empagliflozin
Metalyse®	tenecteplase

Micardis®	telmisartan
Micardis Plus®	telmisartan / hydrochlorothiazide
Mobic®	meloxicam
Ofev®	nintedanib esilate
Pradaxa®	dabigatran etexilate
Praxbind®	idarucizumab, rch
Pritor® / Amlodipine	telmisartan / amlodipine
Sifrol® Sifrol® Sifrol® ER	pramipexole dihydrochloride monohydrate
Spiolto® / Respimat®	tiotropium (as bromide monohydrate) / olodaterol (as hydrochloride)

Spiriva® HandiHaler	tiotropium (as bromide monohydrate)
Spiriva® Respimat®	tiotropium (as bromide monohydrate)
Trajenta®	linagliptin
Trajentamet®	linagliptin / metformin
Twynsta®	telmisartan / amlodipine
Viramune® Viramune® Viramune XR®	nevirapine

Disclaimer

Using this link will let you leave www.boehringer-ingelheim.com.au / www.boehringer-ingelheim.co.nz, therefore the information **may not comply with the Australian or New Zealand regulatory authority** environment, you should refer to the CMI for products to fully understand the terms of a product’s registration in Australia and New Zealand.

The latest Consumer Medicine Information is available from your pharmacist, doctor, or from our webpages <https://www.boehringer-ingelheim.com.au/human-pharmaceuticals/product-information-australian-consumers> / <https://www.boehringer-ingelheim.com.au/human-pharmaceuticals/product-information-new-zealand-consumers>

This link is provided to you **only as information, not as advice**, and the inclusion of this link does not imply endorsement by Boehringer Ingelheim. Any information provided by this source should be discussed with your healthcare professional and does not replace their advice.

Prescription Medicine - information about our products for Australian consumers

Our pharmaceutical products encompass a **broad spectrum** of therapeutic areas. These products are listed below by brand name in alphabetical order. You can view a copy of the Consumer Medicine Information (CMI) for each product by clicking the product name.

Disclaimer

The information on this page is **only intended for residents of Australia**. Pharmaceutical companies cannot offer medical advice or guidance to consumers or patients in accordance with industry regulations. For health-related or medicines advice, you should consult your doctor or health professional.

Note: Had a problem accessing site went to saved version (way back machine)

Welcome to Lung Learning.

Respiratory health information, tools and resources at your fingertips.

[For healthcare professionals ▶](#)

Services for healthcare professionals



[Learning And Accredited Education ▶](#)



[Resources And Videos ▶](#)



[Latest News ▶](#)

About us

Boehringer Ingelheim has long been one of the **world leaders in respiratory health**. Our ongoing commitment to innovation in respiratory medicine has resulted in a comprehensive website dedicated to lung health and knowledge.

Register or log in to discover a wealth of information, on any device, at any time.

In-consult tools to help manage your cv patients

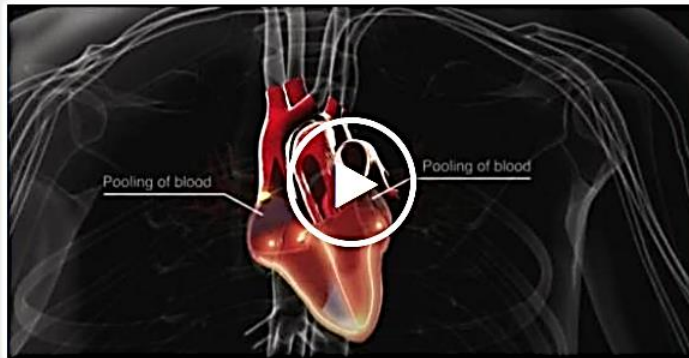
Calculate CV risk and manage stroke prevention in your non-valvular atrial fibrillation patients

FIND OUT MORE >



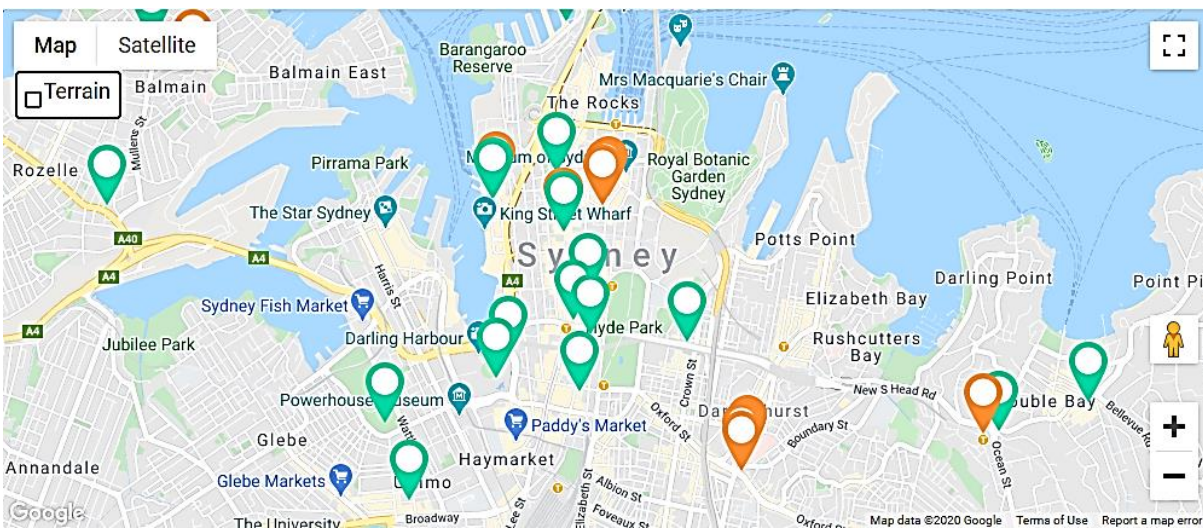
Top 5 issues rural GPs want a...

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Risk of Stroke

VIEW MORE VIDEOS >



Our Company

The Boehringer Ingelheim group is one of the **world's 20 leading pharmaceutical companies**. Headquartered in Ingelheim, Germany, **Boehringer Ingelheim operates globally with 146 affiliates** and a total of more than **47,700 employees**. The focus of the family-owned company, **founded in 1885**, is researching, developing, manufacturing and marketing new medications of high therapeutic value for human and veterinary medicine.

Social responsibility is an important element of the corporate culture at Boehringer Ingelheim. This includes worldwide involvement in social projects, such as the initiative **"Making more Health"** and caring for the employees. Respect, equal opportunities and reconciling career and family form the foundation of the mutual cooperation. In everything it does, the company focuses on environmental protection and sustainability.



COVID-19: Our Global Support Program

Our Global Support Program aims to bring more financial relief, protective materials and medicine donations to healthcare institutions and communities in need around the world. The program focuses on four areas:

- **Donations:** We have made available EUR 7 million for financial and in-kind donations for local emergency aid across the globe. We are also working with local organizations that use financial and medicine donations to organize help for patients in their communities.
- **Research for COVID-19 therapies:** Since January, we have freed up a growing team of currently more than 100 highly engaged scientists from all areas of research and development (R&D), to work on projects aimed at finding potential treatment solutions for COVID-19. We have furthermore announced our commitment alongside the Bill & Melinda Gates Foundation to ensure that our innovative therapies will be accessible to all affected countries regardless of their income level.
- **Volunteering:** In many communities, helping hands from volunteers, for example with a medical or nursing background, are urgently needed. We offer all of our 51,000 employees the opportunity to take up to 10 days of paid leave to join approved external organizations as a volunteer to bring COVID-19 relief.
- **Making More Health relief fund:** A EUR 580,000 relief fund has been launched to support the global Making More Health (MMH) network of social entrepreneurs in Kenya and India, as well as the communities in which they live and work.

Browse our different stories below to learn more about how we support across the globe.

COVID-19: Boehringer Ingelheim Signs Communiqué Jointly with Bill & Melinda Gates Foundation Committing to Ensure Global Access to Corona Care

Boehringer Ingelheim has signed a communiqué jointly with the Bill & Melinda Gates Foundation and fifteen other pharmaceutical companies committing to providing global access to COVID-19 vaccines, diagnostics and therapeutics.

Innovative research can only stop the pandemic if all relevant parties – from governments, multilateral institutions, companies, to NGOs – **work together to ensure access** to care is provided to all countries independent of income level.

Boehringer Ingelheim is invested in finding therapeutics as fast as possible, but emphasizes that speed does not trump patient safety, which remains the top priority.

Boehringer Ingelheim has **signed a communiqué jointly** with the Bill & Melinda Gates Foundation and fifteen other pharmaceutical companies committing to providing global access to COVID-19 vaccines, diagnostics and therapeutics. **The communiqué was presented by Bill Gates** during an event at the **United Nations General Assembly**. It is sharing the commitment of Boehringer Ingelheim and the other pharmaceutical companies to **end the pandemic** as well as appealing to partners across the entire development-to-deployment pathway to become involved. Innovative research will only end the pandemic when paired with expansive collaboration among the life science companies as well as governments, NGOs, multilateral institutions and others to ensure access to all countries regardless of their income level.

“Boehringer Ingelheim believes that a solution to this pandemic can only be found through broad collaboration across companies, institutions and countries” states Hubertus von Baumbach, Chairman of the Board of Managing Directors. “We are contributing to **several initiatives** and on **many levels** to bring together the best of science and knowledge to defeat COVID-19. Since January, a highly committed group of people at Boehringer Ingelheim, with a very broad skillset, has passionately contributed their know-how. They seek solutions to end the pandemic, with a focus on a range of treatment options. We support the COVID-19 global access communiqué to bring new, effective products to all patients who need them around the world. We are calling on the private and public sector to join us in this commitment.”

Boehringer Ingelheim acknowledges the need for **speedy solutions** in the fight against Covid-19. The speed however will not trump patient safety considerations, which remain a top priority. Collaborative effort and scientific innovations as well as adherence to scientific and ethical standards are all key to laying the foundation to combat the current and future pandemics. Boehringer Ingelheim supports the global access communiqué because it is aware that innovative research alone will not be able to stop the pandemic – instead, innovative collaborations with governments, multilateral institutions, companies, NGOs and others are necessary. Boehringer is committed to do its part and calls upon all others to do theirs.

[The communiqué is available on the website of the Bill & Melinda Gates Foundation.](#)

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PRESS ROOM

PRESS RELEASES AND STATEMENTS

Life Science Companies and the Bill & Melinda Gates Foundation: Commitments to Expanded Global Access for COVID-19 Diagnostics, Therapeutics, and Vaccines

30 September 2020

Bill & Melinda Gates Foundation

206-709-3400

media@gatesfoundation.org

follow [@gatesfoundation](#)

Joint Communiqué

COVID-19’s existence anywhere poses a threat to communities everywhere. The health, social, and economic impacts can only be addressed through the collective actions of stakeholders across private, public, and philanthropic sectors in partnership with civil society. As organizations dedicated to improving and protecting global health, with our varied skills, roles, and resources, we remain committed to doing our part in ending this pandemic worldwide. Earlier this year AstraZeneca; Bayer; bioMérieux; Boehringer Ingelheim; Bristol Myers Squibb; Eisai; Eli Lilly; Gilead; GSK; Johnson & Johnson; Merck & Co. (known as MSD outside the U.S. and Canada); Merck KGaA, Darmstadt, Germany; Novartis; Pfizer; Roche; and Sanofi together with the Bill & Melinda Gates Foundation each pledged ourselves to the fight against COVID-19.

Collectively, we have **launched the most expansive and ambitious pandemic R&D response effort in history**, with the promise of a range of interventions that can help end the pandemic. Creating these innovations is not enough, however. Through partnerships with other stakeholders we are committed to ensuring global

access to diagnostics, therapeutics, and vaccines that will help to accelerate the end of the pandemic. To accomplish this critical goal, we will:

Develop innovations for patients worldwide. We will continue advancing the research and development of COVID-19 diagnostics, therapeutics, and vaccines that are suitable to meet the needs of populations around the world. To do so, we will work to expand clinical trials to account for diverse representation including lower-income settings and endeavor to address the specific product characteristics needed for use in lower-income settings even after new innovations are brought forward.

Strive for timely availability. By scaling up manufacturing at unprecedented speed and much earlier than usual, we will bring large quantities of safe and effective innovations to countries around the world for broad distribution as early as possible, no matter their income level. Mechanisms for rapidly escalating supply must be aligned with the specific context of a rapid pandemic response and tailored to each product, with options including early voluntary licensing and appropriate approaches to peer-to-peer innovator company manufacturing agreements.

Enable affordability for lower income countries. We will pursue a range of approaches to make products we are developing or supporting affordable in lower-income countries. These approaches will be independently determined by each supplier in response to the pandemic to address the significant affordability challenges, including approaches such as donations, not-for-profit supply, or **equity-based tiered** pricing based on countries' needs and capabilities.

Support effective and equitable distribution of these innovations globally. We will strive towards equitable allocation of our products and support global mechanisms like **COVAX**, recognizing the most effective approach to equitable access will vary across vaccines, therapeutics, and diagnostics. We also will use our collective voice alongside other global health stakeholders to advocate for the strengthening of health systems and distribution networks so crucial innovations reach everyone who needs them. In doing so, we support evidence-based prioritization so that health care workers, high-risk individuals, and **other priority groups identified by WHO** and other health authorities are protected for the duration of the pandemic, regardless of the country they live in. We will advocate for equitable distribution, recognizing that sovereign nations have final decision-making authority.

Maintain public confidence in our innovations. We will continue making the safety of individuals who receive products we are developing or supporting the highest priority. Adherence to the strictest scientific and ethical standards in product development and in manufacturing processes will remain the top priority over speed or politics.

Access to **interventions to fight COVID-19** on a global scale requires financial resources, assets, infrastructure, and jurisdictional support and collaboration beyond the capacity or role of the signatories to this commitment. We therefore call on governments, multilateral institutions, companies, NGOs, and others to build on our commitments and efforts already underway to:

Provide sufficient, dedicated, sustainable, and timely funding for the procurement and delivery of the tools necessary to end the COVID-19 pandemic.

Diversify representation in critical decision-making and coordination bodies with special emphasis on voices representing low-income and lower-middle-income countries.

Continue quickly developing and communicating clear guidance on product needs in lower-resource settings as early as possible as our understanding of COVID-19 and the tools to combat it evolve.

Advance fit-for-purpose regulatory and liability processes for all stakeholders involved, which prioritize safety while not slowing down access to critical new tools.

Build and maintain public confidence in the approval mechanisms for diagnostics, therapeutics, and vaccines by ensuring robust safety and efficacy reviews and removing unwarranted political considerations from these discussions and the approval process.

Enhance country readiness and in-country delivery systems by ensuring adequate expertise and resources are in place for effective country planning, distribution, and follow-up for new diagnostics, therapeutics, and vaccines.

The world's extraordinary situation requires unprecedented collaboration across every part of society. To date, we as life science and philanthropic organizations have risen to this challenge and recognize the need to push further. The commitments above will save lives only if partners across the entire development-to-deployment pathway work together to guarantee products reach the people who need them. **The ACT-Accelerator offers a forum for collaboration and action**, and the global community must collectively mobilize the resources partners have identified as critical to ending this pandemic for communities everywhere. By aligning those resources with the commitments above, we believe we will not only enable a faster path out of the current COVID-19 crisis but will also lay the foundation for a **strong pandemic preparedness ecosystem** the next time a pandemic arises.

Pascal Soriot
Executive Director and CEO
AstraZeneca

Stefan Oelrich
Member of the Board of Management and President of Pharmaceuticals
Bayer AG

Bill Gates
Co-Chair and Trustee
Bill & Melinda Gates Foundation

Melinda Gates
Co-Chair and Trustee
Bill & Melinda Gates Foundation

Alexandre Mérioux
Chairman and CEO
bioMérieux

Hubertus von Baumbach
Chairman of the Board of Managing Directors
Boehringer Ingelheim GmbH

Giovanni Caforio
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Bristol Myers Squibb

Haruo Naito
Representative Corporate Officer and CEO
Eisai Co., Ltd.

David A. Ricks
Chairman and CEO
Eli Lilly and Company

Daniel O'Day
Chairman and CEO
Gilead Sciences, Inc.

Emma Walmsley
Chief Executive Officer
GSK

Alex Gorsky
Chairman of the Board and CEO
Johnson & Johnson

Kenneth C. Frazier
Chairman of the Board and CEO
Merck & Co. Inc.

Belén Garijo
Vice Chair of the Executive Board and Deputy CEO
Merck KGaA, Darmstadt, Germany

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Chief Executive Officer
Novartis

Albert Bourla, DVM, Ph.D.
Chairman and CEO
Pfizer Inc.

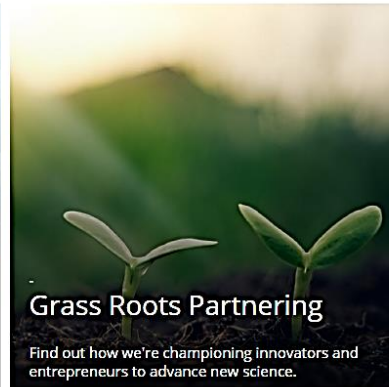
Dr Severin Schwan
Chief Executive Officer
Roche Group

Paul Hudson
Chief Executive Officer
Sanofi



respective content you need to select your profession through the filter button on the right.

Welcome to Partnering at Boehringer Ingelheim



Submit Your Partnering Opportunity

We have been exploring how best to enable submission of your opportunities to our team, and encourage you to contact the relevant Business Development and Licensing team member directly by email, using the contact details which can be found on our ['Contact Us'](#) page.



As scientists themselves, our team are experts in their therapeutic areas and work closely with their R&D colleagues. Their scientific and commercial insights allow them to **identify potential partnerships** with the opportunity to deliver **breakthrough** medicines that improve patients' lives.

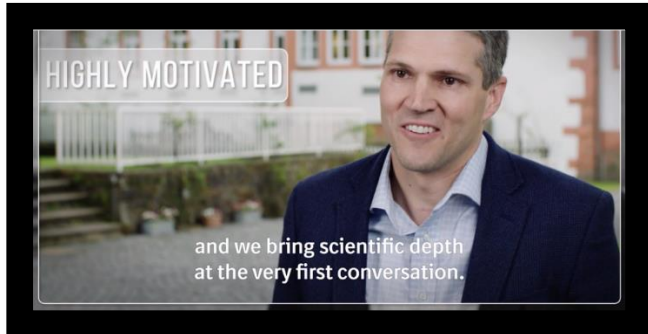
For more information on our partnering interests, [find our therapy area-specific information here](#).

To register for our Grass Roots activities [please visit our online submission portal here](#).

We look forward to hearing from you!

Meet Our Team

Our partnering team is a **celebration of global diversity**, representing all regions of the world. As scientists themselves, they are experts in their therapeutic areas and work closely with our R&D teams, leveraging scientific and commercial insights to identify partnerships that have the potential to deliver the next generation of breakthrough medicines.



30 people

15 nations



COVID-19

"The well-being of our employees, of our patients as well as our customers is important to us. This care is rooted in our culture, and we are passionate to help them stay well and healthy. We do everything we can to safeguard the continued supply of medicines to the patients who rely on us, as well as to pet and livestock owners.

We don't have a **human virology business**, but that doesn't mean that we can't offer our science, technology and experts to initiatives that are aimed at finding medical solutions to combat the Coronavirus. We are sharing our knowledge and expertise through our active engagement in ongoing projects of institutional consortia, including the **Innovative Medicines Initiative of the European Union and the German Center for Infectious Research**.

In this context, we are also screening our entire molecule library of over one million compounds to identify potential molecules that could fight the virus. And there is more that we are doing, willing as we are to help where we can. To all of you, our employees, partners, customers, patients we care for - stay well."



Hubertus von Baumbach, Chairman of the Board

The increasing spread of COVID-19 has an impact on all areas of life. As a global company with more than **50,000 employees across the globe**, we have taken many measures to protect the health of our employees and ensure the continued **supply of our medicines to the people and animals** who need them. Boehringer Ingelheim is also engaged in various initiatives to contain and cope with the global spread of COVID-19.

Overview of initiatives

The development of vaccines will **enable the immunization of a large part of the population**. However, people who are particularly at risk of falling seriously ill or who have already been infected will need other treatment options. Therefore, we also need other approaches, such as antibodies that can neutralize the virus and **small molecules** to inhibit its replication, to fight the disease and save patients' lives.

Bringing our Best to the Fight Against COVID-19

Michel Pairet, Member of the **Board of Managing Directors**, Innovation
Clive R. Wood, **Global Head of Discovery Research**, Boehringer Ingelheim

As the world grapples with the challenge of another potentially more deadly upsurge in COVID-19 infections, we at Boehringer Ingelheim, along with the rest of the global scientific community, are digging deep into our knowledge and pipeline to find new options to combat this disease. Every statistic has a human story associated with it and it is this, together with our scientists' deep commitment to rapidly find effective treatments to fight this devastating disease, that compels us to do everything we can to help patients who are suffering and relieve pressure on healthcare systems around the world.



Searching for opportunities to help the most severely affected

Michel Pairet, Member of the Board of Managing Directors, Innovation

In January, we began learning – along with the rest of the scientific world – about the pathology and course of COVID-19 infections. Our scientists have benefited from the unprecedented spirit of global collaboration among the scientific community. And our own extensive **experience in respiratory and cardiovascular diseases**, combined with knowledge gathered through exploration of infectious disease therapy approaches, has allowed us to rapidly identify mechanisms that could be helpful in the fight against this global menace.

By March, and leaving no stone unturned, our scientists had identified a targeted therapeutic approach (from work in an unrelated disease area) with a mechanism found to play a potentially key role in the onset of one of

the most severe hallmarks of COVID-19 – Acute Respiratory Distress Syndrome (ARDS). Given the potential value to patients and being, to the best of our knowledge, the only team to have a clinical-stage agent targeting this pathway, we knew we had to act. Now, just a few months on from those early days of research, BI 764198, an inhibitor of TRPC6, a non-selective receptor-operated cation channel, is entering a phase II clinical trial.

BI 764198 is a novel, first-in-class compound that could potentially tackle life-threatening complications of COVID-19. Our TRPC6 inhibitor has shown preclinically the potential to **stop the influx of fluid into the lungs** which causes **pulmonary edema** and leads to ARDS. This represents a potentially important intervention for patients admitted to hospital with COVID-19 to stop their progression to, or reduce the **severity of pulmonary edema**, and reducing the need for intensive care treatment and/or supported ventilation.

This is the first phase in an accelerated clinical development program which could see this potential new medicine begin phase 3 trials in a larger group of patients in early 2021 with the earliest approval expected **later next year**.

Addressing the challenge of life-threatening respiratory symptoms

Acute respiratory distress syndrome is a severe lung condition that occurs when fluid builds up in the small air sacs (**alveoli**) in the lungs. The fluid stops the lungs from filling with air, which means less oxygen reaches the bloodstream and deprives the essential organs of the oxygen they need to function.

With **no currently approved treatments** available for ARDS, there is significant unmet patient need. One third of patients hospitalized with COVID-19 develop acute respiratory distress syndrome.¹ These are some of the most severely ill patients in hospitals, many of whom will require intensive care treatment and supported ventilation.

Standing together with the scientific community to do all we can



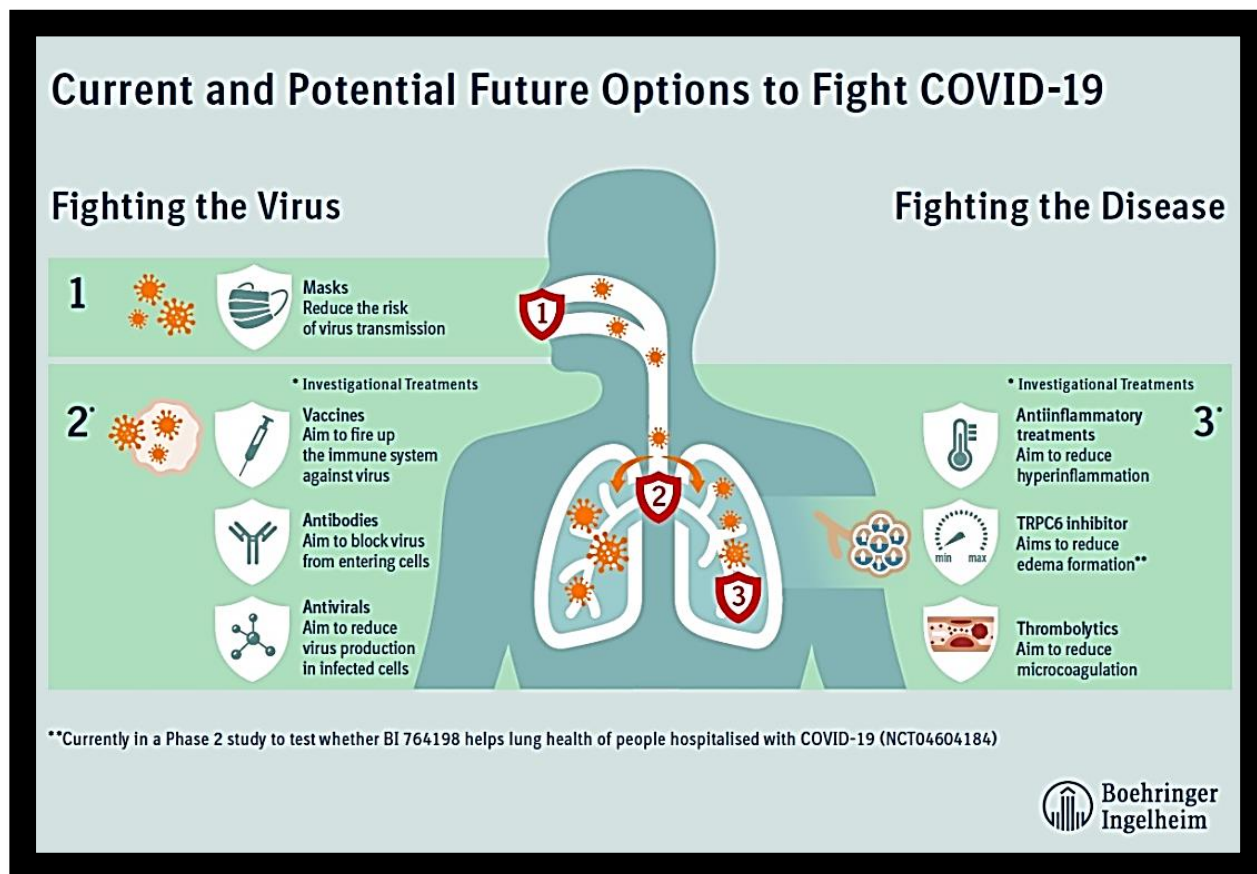
Clive R. Wood, Global Head of Discovery Research²⁶, Boehringer Ingelheim

We stand **shoulder-to-shoulder with our colleagues in the biomedical** community around the world who are doing everything they can and using all their expertise to bring forward new treatments and vaccines to help patients who are **suffering from the effects** of COVID-19. And while the approval of a safe and effective vaccine will be a pivotal moment in our fight against COVID, pushing back the pandemic through the widespread immunization of the global population will take time. There will also be many patients – particularly the elderly and more vulnerable – who may have a relatively poor response to a vaccine, and who may need effective therapeutic treatments.

Alongside the rest of the world, we hope that every clinical trial is a success, providing vaccines and treatments that will rid the world of this virus or lessen its burden on those infected. In the meantime, we will continue to strive to be first4patients working around the clock until the fight against COVID-19 is won.

1. Tzotzos et al. Critical Care (2020) 24:516

²⁶ *Discovery Research is a Gates Foundation initiative*



Boehringer Ingelheim Begins **Phase 2 Clinical Trial** of a Targeted Therapy to Help People with Severe Respiratory Illness from COVID-19

Trial will evaluate **BI 764198**, a novel first-in-class compound, for hospitalized people infected with SARS-CoV-2 with severe respiratory complications for which very limited treatment options are currently available.

This new therapeutic option **could help** the 67-85% of COVID-19 patients admitted to the intensive care unit who suffer from acute respiratory distress syndrome,¹ potentially reducing the need for mechanical ventilation and potentially saving lives.

The initiation of this Phase 2 trial is part of Boehringer Ingelheim's ongoing efforts to accelerate the discovery and development of urgently needed medicines for COVID-19 patients.

Ingelheim, Germany – 28. October 2020 – Boehringer Ingelheim today announced the initiation of a **Phase 2 clinical trial of BI 764198, an inhibitor of TRPC6, a receptor-operated cation channel**. This potent and selective inhibitor of TRPC6 may **alleviate the damage to the lung** and decrease the risk or severity of acute respiratory complications in patients hospitalized for COVID-19. The aim of therapy with BI 764198 is to **reduce the need for ventilator support**, to improve patient recovery rate and ultimately to **save lives**. Boehringer Ingelheim is committed to fighting COVID-19 and contributing with its expertise and resources to develop new therapeutic options for patients suffering from the virus' severe complications.

"COVID-19 can **cause serious lung complications**, such as viral pneumonia, and in severe cases can lead to acute respiratory distress syndrome (ARDS) and **lung failure**," said Dr. Lorraine B. Ware, Ralph and Lulu Owen Endowed Chair and Professor of Medicine, and Pathology, Microbiology and Immunology, **Vanderbilt University**. "Patients hospitalized with ARDS due to COVID-19 are **often unable to breathe** on their own and may require life support from a mechanical **ventilator** to **help supply oxygen** to the body. While we hope that future vaccines will help reduce cases of severe COVID-19, there remains an unmet need to address respiratory complications in infected patients, and provide healthcare professionals an **effective alternative** to mechanical ventilation that can potentially reduce the treatment burden within the hospital setting."

Approximately 15% of patients infected with SARS-CoV-2 develop severe disease and up to 30% of severely ill patients may require medical care in an intensive care unit (ICU). Between 67 and 85 percent of patients in the ICU develop ARDS, a potentially deadly complication of severe COVID-19.¹ Therapeutic options, such as BI 764198, are urgently needed to reduce severe respiratory distress, save lives and ultimately help reduce the incredible burden the virus is placing on healthcare systems.

"This therapy may provide the first potential treatment for COVID-19 related respiratory distress syndrome, helping to close a significant gap in the treatment regimen for COVID-19 patients. As we have understood more in recent months about the **pathology of this disease**, we realized that BI 764198 might have a unique potential to help the most severely affected patients and we felt compelled to bring it to clinical studies," said **Dr. Mehdi Shahidi, Corporate Senior Vice President Medicine and Chief Medical Officer, Boehringer Ingelheim**. "It is our hope that this step forward will provide treating physicians with a new tool to improve the outlook for their hospitalized patients affected by the respiratory complications of COVID-19."

As a **research-driven company, Boehringer Ingelheim** is part of the collective effort in fighting COVID-19. Drawing from their areas of expertise, the company has engaged in a number of activities to find medical solutions to this pandemic, working closely with academic researchers, international institutions, and others in the pharma industry. Boehringer Ingelheim is currently involved in a broad set of initiatives to fight the disease and save patients' lives, including the research and development of SARS-CoV-2 **antibodies** that can neutralize the virus, small molecules to inhibit its replication, and therapy development to prevent microcoagulation (blood clots). Boehringer Ingelheim is also an active participant in the **global access initiative with the Bill and Melinda Gates Foundation** as well as global development initiatives including the COVID-19 **Therapeutics Accelerator** (CTA) and the **CARE Consortium**.

About the Study

This Phase 2 randomized double-blind placebo-controlled trial will evaluate BI 764198 in patients hospitalized for COVID-19 with participants taking one capsule per day for up to four weeks. The primary endpoint will be the percentage of patients who are alive and free of mechanical ventilation at day 29 of treatment. Other endpoints include clinical improvement, oxygen saturation and ICU admission. In patients hospitalized for COVID-19, there is an increase in reactive oxygen species (ROS) due to airway injury. ROS have been shown to activate TRPC6, which may cause a cascade of cellular damage resulting in disruption of cellular barrier function, hyper-permeability, edema and ultimately acute respiratory distress syndrome (ARDS). BI 764198 treatment in animal models of lung injury has been shown to reduce cellular damage and lung edema. Treatment with BI 764198 may provide similar benefits in patients with severe SARS-CoV-2 infection. BI 764198 has been shown to be well tolerated in a previous Phase 1 study in healthy adults (NCT03854552).

Trial enrollment for BI 764198 is expected to begin in October 2020 and will include approximately 40 study sites across eight countries. For more information, please visit: clinicaltrials.gov and mystudywindow.com.

About Boehringer Ingelheim

Making new and better medicines for humans and animals is at the heart of what we do. Our mission is to create breakthrough therapies that change lives. Since its founding in 1885, Boehringer Ingelheim is independent and family-owned. We have the freedom to pursue our long-term vision, looking ahead to identify the health challenges of the future and targeting those areas of need where we can do the most good.

As a world-leading, research-driven pharmaceutical company, more than 51,000 employees create value through innovation daily for our three business areas: Human Pharma, Animal Health, and Biopharmaceutical Contract Manufacturing. In 2019, Boehringer Ingelheim achieved net sales of 19 billion euros. Our significant investment of almost 3.5 billion euros in R&D drives innovation, enabling the next generation of medicines that save lives and improve quality of life.

We realize more scientific opportunities by embracing the power of partnership and diversity of experts across the life-science community. By working together, we accelerate the delivery of the next medical breakthrough that will transform the lives of patients now, and in generations to come.

More information about Boehringer Ingelheim can be found at www.boehringer-ingelheim.com or in our annual report: <http://annualreport.boehringer-ingelheim.com>.

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Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease (COVID-19)

Updated Dec. 8, 2020

[Syndicate](#)

Influenza and SARS-CoV-2

When SARS-CoV-2 and influenza viruses are co-circulating, clinicians should consider both viruses, as well as co-infection, in patients with acute respiratory illness symptoms because of [similar signs and symptoms](#). Testing and treatment [guidance](#) in priority groups is available. For more information on influenza and Covid-19 see the [NIH Treatment Guidelinesexternal icon](#).

[More](#)

Summary of Recent Changes

[Updates as of November 3, 2020](#)

As of November 3, 2020

- New information for Laboratory and Radiographic Findings
- New information for Pediatric Considerations
- Revisions for clarity and significant updates to footnotes throughout
- Influenza alert box
- Information on FDA approval of remdesivir

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[Clinical Management and Treatment](#)

[Discontinuation of Transmission-Based Precautions or Home Isolation](#)

This document provides guidance on caring for patients **infected with SARS-CoV-2**, the virus that causes COVID-19. The National Institutes of Health (NIH) have published [guidelines for the clinical management of COVID-19](#)^{external icon} prepared by the COVID-19 Treatment Guidelines Panel. The recommendations are based on scientific evidence and expert opinion and are regularly updated as more data become available.

For guidance related to children with COVID-19, please see the Pediatric Considerations section below.

Clinical Presentation

Incubation period

The incubation period for COVID-19 is **thought** to extend to 14 days, with a median time of 4-5 days from exposure to symptoms onset.⁽¹⁻³⁾ One study reported that 97.5% of people with COVID-19 who have symptoms will do so within 11.5 days of SARS-CoV-2 infection.⁽³⁾

Presentation

The **signs** and symptoms of COVID-19 present at illness onset vary, but over the course of the disease many people with COVID-19 will experience the following:^(1,4-9)

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

Symptoms may **differ** with severity of disease. For example, **shortness of breath** is more commonly reported among people who are **hospitalized with COVID-19** than among people with milder disease (non-hospitalized patients).^(10, 11) Atypical presentations of COVID-19 occur often, and older adults and people with medical comorbidities may experience **fever and respiratory** symptoms **later** during the course of illness than people who are younger or **who do not have comorbidities**.^(12, 13) In **one study** of 1,099 hospitalized patients, fever was present in only 44% at hospital admission but eventually 89% of patients had a fever sometime during hospitalization.⁽¹⁾ Fatigue, headache, and muscle aches (myalgia) are among the most commonly reported symptoms in people who are not hospitalized, and sore throat and nasal congestion or runny nose (rhinorrhea) also may be prominent symptoms. Many people with COVID-19 experience **gastrointestinal** symptoms such as **nausea, vomiting or diarrhea**, sometimes prior to having fever and lower respiratory tract signs and symptoms.⁽⁹⁾ Loss of smell (anosmia) or taste (ageusia) has been commonly reported, in a third of patients in one study, especially among women and younger or middle-aged patients.⁽¹⁴⁾

Asymptomatic and Presymptomatic Infection

Several studies have documented infection with SARS-CoV-2, the virus causing COVID-19, in patients who **never** have symptoms (asymptomatic) and in patients not yet symptomatic (presymptomatic).⁽¹⁵⁻²⁹⁾ Since people who are asymptomatic are not always tested, the prevalence of asymptomatic infection and detection of presymptomatic infection is not yet well understood. Current data, based on reverse transcription-polymerase chain reaction (RT-PCR) testing for SARS-CoV-2 and on serologic studies, suggest asymptomatic infections can be common and that the total number of infections is likely greater than the number of cases reported.^(15,22-24,30,31) Patients may have abnormalities on chest imaging before the onset of symptoms.⁽¹⁶⁾

Asymptomatic and Presymptomatic Transmission

Increasing numbers of epidemiologic studies have documented SARS-CoV-2 transmission during the presymptomatic incubation period.^(19,28,29,32) Studies using RT-PCR detection have reported low cycle thresholds, indicating larger quantities of viral RNA, among people with asymptomatic and presymptomatic SARS-CoV-2 infection. Likewise in viral culture, viral growth has been observed in specimens obtained from patients with asymptomatic and presymptomatic infection.^(22,24,27,33) The proportion of SARS-CoV-2 transmission due to asymptomatic or presymptomatic infection compared with symptomatic infection is not entirely clear; however, recent studies **do suggest** that people who are not showing symptoms may transmit the virus.^(22,24,34)

Clinical Course

Illness Severity

The largest cohort reported to date, including more than 44,000 people with COVID-19 from China, showed that illness severity can range from **mild to critical**.⁽³⁵⁾

Mild to moderate (mild symptoms up to mild pneumonia): **81%**

Severe (dyspnea, hypoxia, or more than **50% lung** involvement on imaging): **14%**

Critical (respiratory failure, shock, or multiorgan system dysfunction): **5%**

In this study, **all deaths** occurred among **patients with critical illness**, and the **overall case fatality ratio (CFR)** was **2.3%**.⁽³⁵⁾ The CFR among patients with **critical disease** was 49%.⁽³⁵⁾ Among children in China, illness severity was **lower** than in adults, with 94% of affected children having asymptomatic, mild, or moderate disease; 5% having severe disease; and less than **1% having critical disease**.⁽¹³⁾ Among U.S. COVID-19 cases reported **January 22–May 30, 2020**, overall the proportion of people who were hospitalized was 14%, including 2% admitted to the intensive care unit (ICU). Overall 5% of patients died.⁽³⁶⁾

Clinical Progression

Among patients in **multiple early studies from Wuhan**, China who had severe COVID-19 illness, the median time from their onset of illness to the time they experienced dyspnea was 5–8 days; the median time from onset of illness to **acute respiratory distress syndrome (ARDS)** was 8–12 days; and the median time from onset of illness to ICU admission was 9.5–12 days.^(5,6,37,38) Clinicians should be aware of the potential for some patients with COVID-19 to rapidly deteriorate about one week after illness onset. Among all hospitalized patients, 26%–32% of patients were admitted to the ICU.^(6,8,38) Among all patients, 3%–17% had ARDS compared with 20%–42% for hospitalized patients and 67%–85% for patients admitted to the ICU.^(1,4-6,8,38) Mortality among patients admitted to the ICU ranged from 39% to 72% depending on the study and characteristics of patient population.^(5,8,37,38) The median length of hospitalization among survivors was 10–13 days.^(1,6,8)

Risk Factors for Severe Illness

Age is a strong risk factor for severe illness, complications, and death.^(1,6,8,13,34,35,39-42) Among the cohort of more than 44,000 confirmed cases of COVID-19 in China, the CFR increased with advancing age, and was highest among the **oldest** cohort. Mortality among people 80 years and older was **14.8%**; 70–79 years, 8.0%; 60–69 years, 3.6%; 50–59 years, **1.3%**; 40–49 years, 0.4%; and for those younger than 40 years, 0.2%.⁽³⁵⁾ Based on U.S. epidemiologic data through March 16, 2020, CFR was highest in people aged **85**

years or older (range 10%–27%), followed by people aged 65–84 years (3%–11%), aged 55–64 years (1%–3%), and was lower in people younger than 55 years (<1%).⁽³⁹⁾

CFR in the large cohort in China was **elevated** for patients with **comorbidities**, with 10.5% of those with underlying cardiovascular disease, 7.3% of those with diabetes, 6.3% of those with chronic respiratory disease, and 5.6% of those with **cancer** dying of COVID-related illness.⁽³⁵⁾ **Prior stroke, diabetes, chronic lung disease, and chronic kidney disease** have all been associated with increased illness severity and adverse outcomes due to COVID-19. Heart conditions, including heart failure, coronary artery disease, cardiomyopathies, and pulmonary hypertension, put people at higher risk for severe illness from COVID-19. People with hypertension may be at an increased risk for severe illness from COVID-19 and should continue to take their medications as prescribed.⁽⁴³⁾

Accounting for differences in age and prevalence of underlying conditions, the mortality associated with COVID-19 that has been reported in the United States appears similar to reports from China.^(36, 39) See [People Who Are at Increased Risk for Severe Illness](#) to learn more about who is at increased risk.

Reinfection

To date, **limited data exist about reinfection** with SARS-CoV-2 after recovery from COVID-19.⁽⁴⁴⁻⁴⁶⁾ Published case reports have shown that reinfection is possible, but it is still **unclear** how long people who have recovered from COVID-19 are **protected** against reinfection with SARS-CoV-2, what concentration of antibodies is needed to confer protection, and how often reinfection may occur.⁽⁴⁴⁻⁴⁶⁾

While **viral RNA shedding** declines with **resolution** of symptoms, SARS-CoV-2 RNA shedding may continue for days to weeks.^(37,47,48) Thus, detection of viral **RNA** during convalescence does not necessarily indicate replication-competent virus (infectiousness) or the presence of new infectious virus. Clinical infection has been correlated with the detection of IgM and IgG antibodies.⁽⁴⁸⁻⁵¹⁾ People who have recovered can continue to **shed detectable SARS-CoV-2 RNA** in upper respiratory specimens for up to 3 months after illness onset, albeit at concentrations considerably lower than during illness, in ranges where replication-competent virus has not been reliably recovered and infectiousness is unlikely. For more information about duration of viral shedding among people with SARS-CoV-2 infection, see [Duration of Isolation and Precautions for Adults with COVID-19](#). Also see CDC's [Investigative Criteria for Suspected Cases of SARS-CoV-2 Reinfection](#) as well as the [Common Investigation Protocol for Investigating Suspected SARS-CoV-2 Reinfection](#).

Laboratory and Radiographic Findings

Testing for Infection

Diagnosis of COVID-19 requires detection of SARS-CoV-2 RNA by RT-PCR. Detection of SARS-CoV-2 viral RNA is **better in nasopharynx samples** compared with throat samples.^(32,47,52) Lower respiratory samples may have better viral yield than upper respiratory samples.⁽⁵³⁾ SARS-CoV-2 **antigen tests can also be used in a variety of testing strategies.** See [Interim Guidance for Rapid Antigen Testing for SARS-CoV-2](#) for more information about the effective use of antigen tests in different testing situations. SARS-CoV-2 RNA has also been detected in stool and blood.^(51,54) Detection of SARS-CoV-2 RNA in blood may be a marker of severe illness.⁽⁵⁵⁾

Infection with both SARS-CoV-2 and with **other respiratory** viruses (e.g., influenza) or bacteria is well documented, and detection of another respiratory pathogen **does not rule out** COVID-19.⁽⁵⁶⁾ Clinicians are encouraged to consider **testing for other viral** causes of respiratory illness, for example [influenza](#), in addition to testing for SARS-CoV-2 depending on patient age, season, or clinical setting. Clinicians should also consider **bacterial and fungal causes** of pneumonia (e.g. [Legionnaires' disease](#) in patients exposed to water from [previously closed buildings](#) or overnight travel, [pneumococcal](#) pneumonia, and [coccidioidomycosis](#)) in patients who are **PCR-negative** for SARS CoV-2, as clinically indicated. See [IDSA/ATS guidelinesexternal icon](#).

For more information about COVID-19 testing and specimen collection, handling and storage, visit [Overview of Testing for SARS-CoV-2 \(COVID-19\)](#) and [Frequently Asked Questions about COVID-19 for Laboratories](#).

Other Laboratory Findings

Lymphopenia is the most common laboratory finding among people with COVID-19, and is found in up to **83% of hospitalized patients**.^(1,5) Lymphopenia, neutrophilia, elevated serum alanine aminotransferase and aspartate aminotransferase levels, elevated lactate dehydrogenase, high C-reactive protein (CRP), and high ferritin levels may be associated with greater illness severity.^(1,5,6,8) **Elevated** D-dimer and lymphopenia have been associated with **mortality**.^(8,37,57,58) Procalcitonin is typically normal on admission, but may increase among those patients admitted to an ICU.⁽⁴⁻⁶⁾ Patients with critical illness had high plasma levels of inflammatory makers, suggesting potential immune **dysregulation**.^(5,59)

Radiographic Findings

Chest radiographs of patients with COVID-19 typically demonstrate bilateral air-space consolidation, although some patients have unremarkable chest radiographs early in the disease.^(1,47) Chest Computerized Tomography (CT) images from patients with COVID-19 typically demonstrate bilateral, peripheral ground glass opacities.⁽⁶⁰⁻⁷¹⁾ Because this chest CT imaging pattern is non-specific and can be found in pneumonias caused by other infections, the diagnostic value of chest CT imaging for COVID-19 may be low and dependent upon radiographic interpretation.⁽⁷⁰⁾ **One study** found that 56% of patients who presented within two days of diagnosis had a normal CT.⁽⁶²⁾ Conversely, **other studies** have identified chest CT abnormalities in patients prior to the detection of SARS-CoV-2 RNA in RT-PCR testing of nasopharyngeal samples.⁽⁷¹⁾ Given the variability in chest imaging findings, chest radiograph or CT alone is not recommended for the diagnosis of COVID-19. **The American College of Radiology** also does not recommend CT for screening, or as a first-line test for diagnosis of COVID-19. (See [American College of Radiology Recommendationsexternal icon](#)).

Clinical Management and Treatment

The National Institutes of Health (NIH) published guidelines on prophylaxis use, testing, and management of patients with COVID-19. For more information, please visit [the NIH Coronavirus Disease 2019 \(COVID-19\) Treatment Guidelinesexternal icon](#). The [recommendationsexternal icon](#) are based on scientific evidence and expert opinion and are regularly updated as more data become available. The U.S. Food and Drug Administration (FDA) has approved one drug remdesivir (Veklury) for the treatment of COVID-19 in certain situations. Clinical management of COVID-19 includes infection prevention and control measures and supportive care, including supplemental oxygen and mechanical ventilatory support when indicated.

Mild to Moderate Disease

Patients with a mild clinical presentation (absence of viral pneumonia and hypoxia) may not initially require hospitalization, and most patients will be able to manage their illness at home. The decision to monitor a **patient in the inpatient or outpatient setting** should be made on a case-by-case basis. This decision will depend on the clinical presentation, requirement for supportive care, potential risk factors for severe disease, and the ability of the patient to self-isolate at home. Patients with risk factors for severe illness (see [People Who Are at an Increased Risk for Severe Illness](#)) should be monitored closely given the possible risk of progression to severe illness, especially in the second week after symptom onset.^(5,6,35)

For information regarding infection prevention and control recommendations, please see [Infection Control Guidance for Healthcare Professionals about Coronavirus \(COVID-19\)](#).

Severe Disease

Some patients with COVID-19 will have severe disease requiring hospitalization for management. Inpatient management includes supportive management of the most common **complications** of severe COVID-19: pneumonia, hypoxemic **respiratory failure/ARDS**, sepsis and septic shock, cardiomyopathy and arrhythmia, acute kidney injury, and **complications from prolonged hospitalization**, including secondary bacterial and **fungal infections**, thromboembolism, gastrointestinal bleeding, and critical illness polyneuropathy/myopathy.^(1,4-6,13,35,40,72-74)

More information can be found at [Clinical Questions about COVID-19: Questions and Answers](#). Additional resources and guidance documents on the treatment and management of COVID-19, including inpatient management of critically ill patients, are provided below.

Hypercoagulability and COVID-19

Some patients with COVID-19 may have signs of a **hypercoagulable** state and be at increased risk for venous and arterial **thrombosis** of large and small vessels.^(57,58,75-80) Laboratory abnormalities commonly observed among hospitalized patients with COVID-19-associated coagulopathy include:

- Mild thrombocytopenia
- Increased D-dimer levels
- Increased fibrin degradation products
- Prolonged prothrombin time
- Elevated D-dimer levels have been strongly associated with greater risk of death.^(8,37,57,58)

There are several reports of hospitalized patients with thrombotic complications, most frequently deep venous thrombosis and pulmonary embolism.^(58,75-77) Other reported manifestations include:

Microvascular thrombosis of the toes (“COVID toes”)

Clotting of intra-vascular catheters

Myocardial injury with ST-segment elevation

Large vessel strokes^(78,79)

The pathogenesis for COVID-19-associated hypercoagulability remains unknown. However, hypoxia and systemic inflammation secondary to COVID-19 may lead to high levels of inflammatory cytokines and activation of the coagulation pathway.⁽⁸¹⁾

Data available to **inform clinical management** around prophylaxis or treatment of venous thromboembolism in COVID-19 patients are still evolving, with **new information** released often. Several national professional associations provide resources for up-to-date information concerning COVID-19-associated hypercoagulability, including management of anticoagulation. More information on hypercoagulability and COVID-19 is available from the [American Society of Hematologyexternal icon](#) and [National Institutes of Healthexternal icon](#).

Pediatric Considerations

Increasingly, data indicate that the clinical symptoms experienced by children with COVID-19 are similar to adults, but disease is usually milder than adults and severity of symptoms varies by age of the child. Many children **infected with SARS-CoV-2 remain asymptomatic or have mild illness**.^(82,83) Commonly reported symptoms in children with COVID-19 include cough or fever, and many children also experience gastrointestinal or other symptoms.⁽⁸⁴⁻⁸⁸⁾ Even though most children with COVID-19 have asymptomatic or mild illness, severe outcomes, including deaths, have been reported in children.⁽⁸⁹⁾ [Children of all ages with certain underlying medical conditions](#) may be at increased risk of severe illness; also infants (<12 months of age) may be at increased risk for severe illness from COVID-19.^(89, 90)

CDC and partners are investigating the [multisystem inflammatory syndrome in children \(MIS-C\) associated with COVID-19](#). Patients with **MIS-C usually present** with persistent fever, abdominal pain, vomiting, diarrhea, skin rash, mucocutaneous lesions and, in severe cases, hypotension and shock. Affected children have elevated laboratory markers of inflammation (e.g., CRP, ferritin), and a majority of patients have laboratory markers of damage to the heart (e.g., troponin; B-type natriuretic peptide (BNP) or proBNP). Some patients have myocarditis, cardiac dysfunction, and acute kidney injury. Not all children with MIS-C experience the same signs and symptoms, and some children may have symptoms not listed here. MIS-C may begin weeks after a child was infected with SARS-CoV-2. The child might have been **infected** from an asymptomatic contact and, in some cases, the child and their caregivers might not realize that the child had been infected.

For expanded considerations on the care of children with confirmed or suspected COVID-19 and associated complications, refer to:

[Information for Pediatric Healthcare Providers](#)

[Evaluation and Management Considerations for Neonates At Risk for COVID-19](#)

[Information for Healthcare Providers Caring for Breastfeeding Women](#)

[Information for Obstetric Healthcare Providers](#)

[Information for Healthcare Providers about Multisystem Inflammatory Syndrome in Children \(MIS-C\)](#)

[Surviving Sepsis Campaign International Guidelines for the Management of Septic Shock and Sepsis-Associated Organ Dysfunction in Children](#)[external icon](#).

Investigational Therapeutics

The National Institutes of Health have published [guidelines for the medical management of COVID-19](#)[external icon](#) prepared by the COVID-19 Treatment Guidelines Panel. These guidelines contain information about therapeutics and will be updated as new information emerges and drugs and other therapeutic interventions are approved for use by FDA. Persons seeking information about registered clinical trials for COVID-19 in the United States can search for such information here: [ClinicalTrials.gov](#)[external icon](#).

Discontinuation of Transmission-Based Precautions or Home Isolation

Patients who have clinically recovered and are able to discharge from the hospital, but who have not been cleared from their Transmission-Based Precautions, can continue isolation at their place of residence until cleared. For recommendations on discontinuation of Transmission-Based Precautions or home isolation for patients who have recovered from COVID-19, see:

[Interim Guidance for Discontinuation of Transmission-Based Precautions and Disposition of Hospitalized Patients with COVID-19](#)

[Interim Guidance for Discontinuation of Isolation for Persons with COVID-19 Not in Healthcare Settings](#)

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[Evaluation and Management Considerations for Neonates At Risk for COVID-19](#)

[COVIDView: A Weekly Surveillance Summary of U.S. COVID-19 Activity](#)

Additional resources

[World Health Organization. Interim Guidance on Clinical management of severe acute respiratory infection when novel coronavirus \(nCoV\) infection is suspected](#)[external icon](#)

[Surviving Sepsis Campaign: Guidelines on the Management of Critically Ill Adults with Coronavirus Disease 2019 \(COVID-19\)](#)[pdf icon](#)[external icon](#)

[Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016](#)[external icon](#)

[Surviving Sepsis Campaign International Guidelines for the Management of Septic Shock and Sepsis-Associated Organ Dysfunction in Children](#)[external icon](#)

[Diagnosis and Treatment of Adults with Community-acquired Pneumonia. An Official Clinical Practice Guideline of the American Thoracic Society and Infectious Diseases Society of America](#)[external icon](#)

[ACR Recommendations for the use of Chest Radiography and Computed Tomography \(CT\) for Suspected COVID-19 Infection](#)[external icon](#)

[National Institutes of Health: Coronavirus Disease 2019 \(COVID-19\) Treatment Guidelines](#)[external icon](#)

[Infectious Diseases Society of America Guidelines on the Treatment and Management of Patients with COVID-19 Infection](#)[external icon](#)

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7.6.6 Boehringer Ingelheim Animal Health (formerly Merial) and China

Boehringer Ingelheim Animal Health is a multinational animal health company, formed in January 2017 when Merial was acquired by Boehringer Ingelheim and merged with Boehringer Ingelheim's existing animal health assets.

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Overview

In August 1997, Merial started as a joint venture between the animal health subsidiaries of **Merck & Co.** (MSD AgVet) and **Sanofi-Aventis** (Rhône-Mérieux). Merial became the animal health division of Sanofi, when Sanofi bought out Merck's 50% share of the joint venture. On December 30, 2016 Boehringer Ingelheim completed a swap of their OTC business for Sanofi's animal health business. **Merial is now owned by Boehringer Ingelheim** and combined with their animal health business, Boehringer Ingelheim Vetmedica, to form **Boehringer Ingelheim Animal Health**.

Merial produces many products and vaccines for domestic pets, farm animals and wildlife. Merial has about 6,900 employees and is present in more than 150 countries in the world.[4] Their sales in 2015 were about €2.5 billion.[5] Some of Merial's most popular products are Frontline, Heartgard, NexGard, Ivomec, PureVax and Previcox.

In October 2009, Merial announced it was investing 70 million US\$ at its **poultry vaccines plant in Nanchang Hi-tech Development Zone, China**. On March 9, 2010, Sanofi-Aventis announced[6] it had exercised an option to combine Merial with Intervet/Schering Plough, the animal health business of Merck. The new joint venture would be equally owned by Merck and Sanofi-Aventis. On March 22, 2011, they announced the mutual termination of their agreement to form a new animal health joint venture.

Location

Boehringer Ingelheim Animal Health's **global headquarters** is located in Ingelheim, **Germany**.

Investigations

Merial was investigated in connection with a 2007 United Kingdom foot-and-mouth outbreak, after a strain of foot-and-mouth disease alleged to have been **sourced from one of their research facilities** was found at **Pirbright**, a farm in Surrey, England, in August 2007.[7] The investigators concluded that "release was most likely due to **escape of live virus** from the drainage system that connects the vaccine production plant to the sodium hydroxide treatment tanks on another part of the Pirbright site."[8]

The two independent inquiries found that Merial complied with all regulations and committed no breaches of biosecurity.

In 2016, the NOAH Code of Practice Committee found Merial Animal Health to be in breach of 2 out of 4 items under complaint. This related to the promotion of **NexGard Spectra®** to the veterinary profession by both account managers and technical teams via telephone conversations and webinars from February 2016 onwards.[9]

7.6.7 Boehringer Ingelheim and Oxford BioTherapeutics Expand Collaboration - Cancer²⁷

Boehringer Ingelheim and Oxford BioTherapeutics Expand Collaboration to Discover Novel Selective Tumor Targets as First Bispecific Antibody Advanced into the Clinic

14 October 2020

The collaboration for the discovery of novel selective tumor targets for Boehringer Ingelheim's unique T-cell engager, cancer vaccine and oncolytic virus platforms, enabled by Oxford BioTherapeutics' proprietary OGAP® (Oxford Genome Anatomy Project) target discovery platform, is the latest in a series of collaborations that strengthens Boehringer Ingelheim's position and leading assets in cancer immunology.

Boehringer Ingelheim and Oxford BioTherapeutics Ltd. (OBT) today announced they are building on their successful partnership and are establishing a new alliance to discover additional selective targets for strategic cancer indications to deliver first-in-class treatments for cancer patients. Boehringer Ingelheim will use OBT's OGAP® platform to identify novel target opportunities for new immunotherapies utilizing their T-cell engager, cancer vaccine and oncolytic virus platforms. This follows the initiation of the first patient dosing in a Phase 1 clinical trial of a bispecific antibody for the treatment of patients with small cell lung carcinoma and other neoplasms, where the target for the bispecific antibody was discovered during the first phase of the partnership.

"This collaboration with Oxford BioTherapeutics is important for advancing therapeutic modalities that depend upon the identification of unique and specific tumor antigens within our cancer immunology portfolio," said Jonathon Sedgwick, Ph.D., Senior Vice President and Global Head Cancer Immunology & Immune Modulation Research at Boehringer Ingelheim. "We are committed to developing innovative, efficacious and safe treatment options for patients suffering from cancer, and these novel cancer target discoveries are a key step in the development of new potential treatments."

"We view the hopeful discovery of additional tumor targets as further confirmation of the value of our OGAP® platform to identify novel targets that can be substrates for innovative new therapies," said Christian Rohlf, Ph.D., Chief Executive Officer of OBT. "OBT's platforms are designed to discover and validate novel therapeutic targets and we look forward to continuing our partnership with Boehringer Ingelheim to best address difficult-to-treat cancers."

In addition to the programs in the partnership with Boehringer Ingelheim, OBT's clinical assets have also been enabled through the OGAP® discovery platform. Selecting the right target is fundamental for the successful development of a truly first-in-class oncology product. OBT's platforms are designed to discover novel therapeutic targets and engineer antibodies to those targets, including CAR-T, other T-cell and NK cell-mediated cytotoxicity (ADCC) therapeutics to best address difficult-to-treat cancers. A major differentiator between OBT's discovery platform and other approaches is the retention of the link between individual patient samples through to the design of therapeutic antibodies and diagnostic patient selection tools, increasing the overall successful transition into clinical development.

Financial terms of the expanded agreement are not being disclosed. Under the terms of the agreement, Boehringer Ingelheim is responsible for the development and commercialization of antibody product candidates that interact with the novel targets identified by OGAP®. OBT will receive development and regulatory milestone payments and royalties on any future product sales. To date, Boehringer Ingelheim has exercised two options under the first agreement and has selected two therapeutic candidates for further development.

²⁷ <https://sq.news.yahoo.com/boehringer-ingelheim-oxford-biotherapeutics-expand-120000150.html>

Boehringer Ingelheim Oncology is taking cancer on by leading the science with cancer cell directed agents, immuno-oncology therapies and their combinations to address unmet needs in lung and gastrointestinal cancers. The company invests significantly in early stage research to identify unexplored and undrugged pathways of cancer. Learn more about Boehringer Ingelheim's innovation in oncology [here](#).

Please click on the following link for 'Notes to Editors':

<http://www.boehringer-ingelheim.com/press-release/collaboration-oxfordbiotherapeutics>

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8.0 PRIOR KNOWLEDGE OF A CORONAVIRUS?

8.1.1 2019 (6666) Crimson Contagion Simulation, US Health & Human Services

Also in 2019, the U.S. government conducted a simulation called "Crimson Contagion," which Wikipedia describes as follows:

Crimson Contagion was a simulation administered by the U.S. Department of Health and Human Services from January to August 2019 that tested the capacity of the U.S. federal government and twelve U.S. states to respond to a **severe influenza pandemic originating in China**. The exercise, which was conducted months prior to the start of the COVID-19 pandemic, involves a scenario in which tourists returning from China spread a respiratory virus in the United States, beginning in Chicago. In less than two months the virus had infected 110 million Americans, killing more than half a million. The report issued at the conclusion of the exercise outlines the government's limited capacity to respond to a pandemic, with federal agencies lacking the funds, coordination, and resources to facilitate an effective response to the virus.

- As True Pundit reports:

The Bill and Melinda Gates Foundation helped negotiate who would score a \$100 billion government-backed contact tracing contract in August 2019—six months before the "pandemic" arrived in the United States and four months before it swept through China. The shocking revelations were unveiled on the Thomas Paine Podcast and the Moore Paine Show on Patreon by the two investigators who blew the whistle on the massive Clinton Foundation tax fraud during a Congressional hearing in 2018. John Moynihan and Larry Doyle testified in Congress, detailing the **fraud** and schemes utilized by the **Clintons** to **avoid** paying up to \$2.5 BILLION in federal taxes.

The investigative duo, in their first interview since that bombshell Congressional testimony, revealed to Paine that representatives from the Gates Foundation met with U.S. Congressman Bobby L. Rush at a sit-down in Rwanda, East Africa in **mid-August 2019** to hash out who would score the windfall from a government **contact tracing program**. And just last month—nine months after the meetings with the Gates Foundation in Rwanda—Rush, a Democrat from Illinois, introduced the \$100 BILLION H.R. 6666, the COVID-19 Testing, Reaching and Contacting Everyone (TRACE) Act.

Rush's bill would establish a program run by the Centers for Disease Control and Prevention (CDC) for national coronavirus testing and contact tracing. Paine has since learned Congressman Rush traveled to Rwanda with his spouse from August 12th to 19th, 2019 to take part in talks and a **week-long event** underwritten by the Bill and Melinda Gates Foundation and the Rockefeller Brothers Fund. But how can you negotiate the byproducts of monitoring a pandemic six to seven months before the outbreak of the virus even happens?

8.1.2 2020 Netflix Releases 'Pandemic' Documentary

In January 2020, Netflix released a three-episode documentary called *Pandemic*. Here is a transcript from the trailer (the voices are of various actors):

A hundred years ago, a deadly influenza virus infected hundreds of millions of people. Somewhere in the order of **50 to 100 million deaths**. When we talk about another flu pandemic happening, it's not a matter of if, but when.... This is definitely one of the most lethal influenza viruses that we have seen so far. It just takes one person to start an outbreak. It will leave its mark. The result would be hundreds of millions of people that would likely die. That's why I do what I do. We're making a vaccine that could treat all future versions of flu. This vaccine could eradicate influenza as we know it. The problem's so widespread, the World Health Organization is calling the refusal to vaccinate one of the biggest threats of 2019.... The virus can spread throughout the country; a month after that widespread throughout the world. The next pandemic is going to start; we just don't know where or how, but we know it will.

That poses an existential threat to us as a species.

8.1.3 2020 Israeli firm MIGAL Worked on a Coronavirus Vaccine

Note: James Perloff from his book "COVID-19 and Agenda's to Come Red Pilled" discusses MIGAL as producing a vaccine before the COVID-19 outbreak.

Before the outbreak, the Israeli firm MIGAL began working on a coronavirus vaccine. The Jerusalem Post reported in April 2020:

Israeli scientists are on the cusp of developing the first vaccine against the novel coronavirus, according to Science and Technology Minister Ofir Akunis.

If all goes as planned, the vaccine could be ready within a few weeks and available in 90 days, according to a release. (Akunis made his statement at the end of February.)

"Our basic concept was to develop the technology and not specifically a vaccine for this kind or that kind of virus," said Dr. Chen Katz, MIGAL's biotechnology group leader.... "

Let's call it pure luck," he said.

"We decided to choose coronavirus as a model for our system just as a proof of concept for our technology."

8.1.4 Advance Signals of likely Coronavirus Pandemic

Note: James Perloff from his book "COVID-19 and Agenda's to Come Red Pilled" discusses other key events that happened prior to the pandemic and makes links to the cancelling of Easter.

- Street **demonstrations** that had erupted around the world— in Hong Kong, France (the Yellow Vests), Chile, India, **protests against 5G**, etc., were conveniently halted by the COVID-19 lockdown. (Interestingly enough, it did not pose any barrier to the massive looting, arson and violence following the George Floyd incident—which furthered the economic distress caused by the lockdown.)
- For those who understand that the **globalist New World Order** is Luciferian, COVID-19 was timed so that it **cancelled Easter** services. Again, I believe this was the first time this had happened globally since Christianity was legalized in the 4th century A.D. In October 2019, the British hard rock band "The Darkness" released an album entitled **Easter Is Cancelled**, certainly an interesting bit of predictive programming.
- The stock market bubble, generated by years of pumping fiat cash into the markets, finally and inevitably **collapsed**, with the Dow dropping from above 29,000 in February 2020 to below 19,000 in March. Unlike 2008, when bankers were blamed for the crash, COVID-19 conveniently became the scapegoat.

Collectively, there were too many "coincidences" and advance signals of the coming pandemic to dismiss as pure chance. If, then, COVID-19 is a bioweapon, it appears that it was **strategically timed**. And that means it, or a variation, could be strategically timed again, whenever desired.

9.0 THEORIES ABOUT COVID-19

Source: James Perloff "Red Pilled..."

Early on, the claim was made that the virus originated from people bat soup from the Huanan seafood market in Wuhan. Quoting Britain's Sun from February:

1. Bat Theory

Coronavirus could have spread from bat soup to humans, experts have claimed. Scientists in China, where the deadly coronavirus has killed 26 people, believe the bug shares a common ancestor with a virus found only in fruit bats.... footage and images have since been circulated purporting to show people eating the Chinese delicacy. The outbreak of coronavirus began in the city of Wuhan—which has since been put in lockdown after more than 800 people were infected globally. Bat soup is reported to be an unusual but popular dish particularly in Wuhan, where the virus is understood to have originated at an open air fish market. And scientists claim that the delicacy may have sparked the outbreak.

An early analysis of 41 COVID-infected patients in Wuhan showed that 27 had exposure to the seafood market. However, Chinese authorities were never able to identify "patient zero"—the first person to be infected. Furthermore, there is disagreement as to whether the seafood market in Wuhan actually sold bats. Live Science stated: "However, no bats were sold at the Huanan seafood market."

Some believe it...occurred purely by chance. As we will see, there is considerable evidence and informed opinion to the contrary.

2. Bioweapons theory

Dr. Shiva Ayyadurai holds four degrees from MIT, including a PhD biological engineering. In an interview with Gary Franchi of Next Network, he discussed the probability of COVID-19 being engineered, tracing back to Fort Detrick—historically the center of the U.S. biological weapons program, which is now called the U.S. biological defense program:

Some people have asserted that the base sequences there [in the COVID virus] are very difficult to occur in nature, that they were recombined from other components.... The scientific question is the probability of those base sequences being different.... Separate from that, there have been reports that the Wuhan virus was a different strain than the one that was in Iran, versus the one that was in Italy, and there's reports that I've read—I haven't started to verify a lot of this—that all of those different viruses go back to one common branch, which actually goes back to Fort Detrick in the United States, and North Carolina.

And there's other suppositions that the US military or Deep State sent people over to Wuhan, and that's how it got given in China—this is one theory; and the reason this comes up is because if you look at the first 41 cases, they haven't been able to find "case zero," but of the 41 cases, approximately thirteen of these people, they're totally disconnected to these people, so the thesis is that this came from somewhere else into Wuhan. Whether it came in or not, my view is that if you believe in the concept of a set of people who don't care about the U.S. national interest or the Chinese national interest or the Indian national interests or Italian, they care more for their own global interests. And you know nowadays, given the level of collusion that we've seen that takes place on so many levels, you could view a scenario where it got created by the Deep State and got put out there really to suppress dissent....What was going on at this time? Hong Kong was blowing up, remember that? And what people do not know is six months before the coronavirus there were massive antipollution protests by Chinese citizens in Wuhan, in the same city where this came from. And remember, you don't protest in China without risking your life. It's not like they have the First Amendment there. So large numbers of people were taking to the street and protesting, tens of thousands, because the Chinese government was going to build one of the largest incinerator plants, which is going to spew out pollution....And then also remember in the United States, the antivaccine movement was growing, so there's a scenario that becomes to me very interesting. You have Trump, in the United States, could not be taken down from Russian collusion, Trump could not be taken down from impeachment, and how extraordinary is it that this thing comes out, the timeliness of it, you see Hong Kong completely disappear, [which] serves the globalists because, remember, any protests create uncertainty for globalism. You see

Wuhan go away, and then you see now an argument saying “Of course we should vaccinate everyone, right?” against the anti-vaccine movement....When you’re a student of politics and a student of medicine, you start seeing these connections, and you also recognize that the academic elite in this country, it basically practices the oldest profession—no one in the academic elite is saying anything. Fortunately, I don’t owe anything to academia, I made my own money by myself. I have the training to call out a guy like a Fauci, to call this out, because I understand the science.

According to his biography at the Illinois College of Law, Professor Francis Boyle “drafted the U.S. domestic implementing legislation for the Biological Weapons Convention, known as the **Biological Weapons AntiTerrorism Act of 1989**, that was approved unanimously by both Houses of the U.S. Congress and signed into law by President George H.W. Bush.” In an interview with Jason Liosatis, Dr. Boyle stated: “I think I found the smoking gun here; there was a recent scientific study published in Antiviral Research, 10 February 2020, by three scientists from France and one from Montreal, who did a genetic analysis of the Wuhan coronavirus, and they said it “may provide a gain of function of the 2019 ncoronavirus for efficient **spreading** in the human population compared to other lineage b beta-coronaviruses.” . . . That’s the smoking gun for an offensive biological warfare agent; gain-of-function properties is a tip-off. It’s only useful for offensive biological warfare activity, and it is typically conducted in either—it’s so dangerous—either a bsl-4 [biosafety level 4] or a bsl-3 facility. And there in Wuhan, you have the only bsl-4 facility in China, so I think it’s clear it came out of this lab.

Gain-of-function, it means it’s **DNA-genetically engineered** to be more lethal and more infectious. Clearly what we’re seeing now with this coronavirus, it is **basically SARS**, which is already a weaponized version of the coronavirus that has leaked out of that laboratory at least twice before, and then it is given gain-of-function properties . . .Second, we have an article here from Nat Med 2015 December, “SARS-like Cluster of Circulating Bat Coronavirus Pose Threat for Human Emergence.” This was at the University of North Carolina; in Chapel Hill they have a biosafety lab level 3 there, and I have previously condemned them up for using gain-of-function work on **MERS**, which is the Middle East respiratory syndrome. It is like SARS, only more dangerous; it has a 33% lethality rate, and they were doing gain-of-function work there to make it even more lethal. ... if you read the article, they admit that they were doing this with SARS, that they were giving it gain-of-function activity and it turns out part of their team was a researcher from China, **Zhengli Shi, “Key Laboratory of Special Pathogens of Biosafety, Wuhan Institute of Biology”**... they [China] gave a grant to the University of North Carolina to get their scientist in on this extremely dangerous Nazi-type biological warfare work. So it appears that what happened was, instead of stealing this technology, **China bought it from the lab** there at the University of North Carolina.... and it also appears that the North Carolina lab got cells from Fort Detrick, which is the U.S. major facility for the research, development, testing, stockpiling of biological weapons.

An analysis of COVID-19 was published by nine scientists from the Indian Institute of Technology and Delhi University. They wrote: “We found 4 insertions in the **spike glycoprotein (S)** which are unique to the 2019-nCoV and are not present in other coronaviruses.” They called the characteristics “uncanny” and “unlikely to be fortuitous”—i.e., improbable to have been produced by chance mutation. Interestingly, the paper is now marked “withdrawn.”

Note: these patents refer to coronaviruses. They were sourced from the United States Patent Office (run by Serco)

2006: Baric [Methods and compositions for infectious cDNA of SARS coronavirus](#)

Publication number: 20060240530

Abstract: The present invention provides a **cDNA** of a severe acute respiratory syndrome (SARS) coronavirus, **recombinant** SARS coronavirus vectors, and SARS coronavirus **replicon** particles. Also provided are methods of making the compositions of this invention and methods of using the compositions as immunogens and/or vaccines and/or to express **heterologous nucleic acids**.

Type: Application

Filed: January 19, 2006

Publication date: October 26, 2006

Inventors: **Ralph Baric**, Rhonda Roberts, Boyd Yount, Kristopher Curtis
North Carolina University

2020: [PREFUSION CORONAVIRUS SPIKE PROTEINS AND THEIR USE](#)

Publication number: 20200061185

Abstract: Coronavirus S ectodomain trimers stabilized in a prefusion conformation, nucleic acid molecules and vectors **encoding these proteins**, and methods of their use and production are disclosed. In several embodiments, the coronavirus S ectodomain trimers and/or nucleic acid molecules can be used to **generate an immune response** to coronavirus in a subject. In additional embodiments, the therapeutically effective amount of the coronavirus S ectodomain trimers and/or nucleic acid molecules can be administered to a subject in a method of treating or preventing coronavirus infection.

Type: Application

Filed: October 25, 2017

Publication date: February 27, 2020

Applicants: The United States of America, as represented by the Secretary, **Department of Health and Human Service**, The Scripps Research Institute²⁸, Trustees of Dartmouth College

Inventors: Barney Graham, Jason McLellan, Andrew Ward, Robert Kirchdoerfer, Christopher Cottrell, Michael Gordon Joyce, Masaru Kanekiyo, Nianshuang Wang, Jesper Pallesen, Hadi Yassine, Hannah Turner, Kizzmekia Corbett

2018: Coronavirus Pirbright [Coronavirus](#)

Patent number: 10130701

Abstract: The present invention provides a **live, attenuated coronavirus** comprising a **variant replicase gene** encoding polyproteins **comprising a mutation** in one or more of **non-structural protein(s)** (nsp)-10, nsp-14, nsp-15 or nsp-16. The coronavirus may be used as a vaccine for treating and/or preventing a disease, such as infectious bronchitis, in a subject.

Filed: July 23, 2015

Date of Patent: November 20, 2018

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Erica Bickerton, Sarah Keep, Paul Britton

(continues)...

²⁸ The Scripps Research Institute receive grant funding from Bill & Melinda Gates Foundation. Also a member Public Health Alliance for Genomic Epidemiology.

Luc Montagnier, awarded a Nobel Prize as co-discoverer of the HIV virus, also says COVID-19 is **man-made**, and sheds light on why the Indian paper was withdrawn. As Gilmore Health News reports: "According to Professor Luc Montagnier, winner of the Nobel Prize for Medicine in 2008 for "discovering" HIV as the cause of the AIDS epidemic together with Françoise Barré-Sinoussi, the SARS-CoV-2 is a virus that was manipulated and accidentally released from a laboratory in Wuhan, China, in the last quarter of 2019.... "With my colleague, bio-mathematician Jean-Claude Perez, we carefully analyzed the description of the genome of this RNA virus," explains Luc Montagnier, interviewed by Dr Jean François Lemoine for the daily podcast at Pourquoi Docteur, adding that others have already explored this avenue: Indian researchers have already tried to publish the results of the analyses that showed that this coronavirus genome contained sequences of **another virus** . . the **HIV virus** (AIDS virus), but they were forced to withdraw their findings as the pressure from the mainstream was too great..

(Refer Corruption Report) [get quote who] Article: **Covid-19 virus a Deep State Disruptive Attack** Ben Fulford By Benjamin Fulford Letters to the Editor

"...As you know, I did molecular genetics in my Masters of Microbiology and Immunology before going into medicine, and then during my medical training, I did a lot of Infectious Diseases rotations at Canada's first HIV clinic in Ottawa. All I can say is, I look at the molecular genetics of the Covid-19 virus (assuming it is indeed what is causing all the illness). It seems to me that the Covid-19 genetic "make-up" indicates the intent of the "maker". It has some of the more severe pathogenic features of the SARS virus, with some elements of the HIV insertion sequences that allow viruses to hide from immune responses (which makes a vaccine more difficult to manufacture). As well it targets certain sequences more common in Asian genomes for binding/invasion and it contains genetic sequences common to H1N1 virus that enhances transmissibility. I do not think all those features just randomly evolved in nature by accident...It certainly smells like a Deep State disruptive attack to me, especially considering the timing when China and the US were finally starting to iron out their trade differences. My CIA medical sources have been telling me all along that this is a bio-weapon. What is interesting is that according to the statistical models they use, it should have infected hundreds of millions of people by now but it has not. Something has attenuated the virus and turned it into something of similar intensity to a common cold...

(Refer Industry Report 2a.2) **Morrison Government cancels University of Queensland CSL COVID-19 vaccine order'**. Extracts:

The prime minister has reassured Australians the coronavirus vaccine rollout is still on track, after a deal with one potential candidate was cancelled over concerning trial results. The decision was made to maintain public confidence, after the University of Queensland and biotechnology company CSL abandoned trials of its COVID-19 vaccine candidate. The trials were abandoned after some participants returned false positive results for another illness - HIV - because of a protein used in the potential medicine. "Follow-up tests confirmed that there was no HIV virus present, just a false positive on certain HIV tests," CSL said in a statement on Friday..." What is interesting is that the India team indicated that SARS-COV-2 had HIV inserts and SARS.

(Refer Industry Preparedness Report: The President of African country Ghana has read out of YouTube the statement below and he claims it is a PDF document from the Rockefeller Foundation's website about the Plans made for the COVID-19 pandemic or Plandemic. Make up your own mind. Create a very contagious but super low mortality rate virus to fit the needed plan (SARS/HIV hybrid research strain created at Fort Detrick class 4 lab from 2008-2013 as part of a research project to find out why coronavirus's spread like wildfire in bats but have an extremely hard time infecting humans (hence the 4 HIV inserts, aka the missing key to infect the human ACE-2 receptor).

It seems other vaccines are being sourced: "...Scott Morrison said the government has boosted orders for other potential vaccines to ensure there are still enough for the Australian population....An extra 20 million doses of the AstraZeneca vaccine and a further 11 million of Novavax have been ordered....Mr Morrison reassured the public any vaccine would have to be given the tick of approval by the Therapeutic Goods Administration..."Without the tick there's no jab," he told reporters in Canberra..." Why quote from a former Chief Medical Officer, why not the current one, is this coming from the Department of Health or the Chief

Medical Officer?: "...Department of Health boss and former chief medical officer Brendan Murphy said the rollout could even be quicker because more AstraZeneca vaccines had been ordered, as it's already in production..." The NSW cops for Covidtruth indicated criminal indictments against AstraZeneca, so why choose this one? There was clearly a serious problem as millions were invested of Australian taxpayers money: "...CSL said while phase one trials of the vaccine among 216 participants showed it was safe, it had decided not to progress with the trials following agreement with the federal government.. The company said blood samples from study participants were tested after vaccination and it was found antibodies caused a false positive for HIV..." Could UQ be sued if the vaccine is made locally? What if it is from overseas? What are the checks?

James Perloff continues...

In a challenging question, Dr Jean-François Lemoine inferred that the coronavirus under investigation may have come from a patient who is otherwise infected with HIV. "No," says Luc Montagnier, "in order to insert an HIV sequence into this genome, molecular tools are needed, and that can only be done in a laboratory."

The next statement is why the public are getting confused. We here authoritative sources saying any theory that differs from the mainstream natural source bat narrative is a "conspiracy theory" yet a Nobel Peace Prize Winning Scientist is clearly not a rumour monger. They state the same line of follow the science, yet scientists themselves are differing, some have different opinions, others are on the payroll of big Pharma or compromised. All this does is add to the fear and confusion as the scientists are not unified.

James Perloff:

I'm aware that the British medical journal The Lancet issued a brief statement condemning "conspiracy theories suggesting that COVID-19 does not have a natural origin."

This statement has been sharply rebutted by bioweapons expert Meryl Nass, M.D.:

Top scientists circled their wagons to protest against "conspiracy theories suggesting that COVID-19 does not have a natural origin," in a statement published in the Lancet....Many who signed the statement have worked in biodefense.... Five additional scientists soon provided the "scientific evidence" to back up the natural origin claim. These five scientists have been affiliated with signers of the statement above, they too have worked in biodefense, and their article was published in Nature Medicine (in the print version) on March 17, 2020....

These scientists set up a straw man to knock down: they claimed that had the novel coronavirus (SARS-CoV-2 is the official name of the virus) been created in a lab: "if genetic manipulation had been performed," then a known coronavirus backbone would have been used. But because no known backbone forms part of SARS-CoV-2, "the evidence shows that SARS-CoV-2 is not a purposefully manipulated virus".... I know that the groups of scientists who wrote these pieces in the Lancet and Nature . . . know that you don't need genetic engineering methods to create a bioweapon. Like me, they are old, they recall a world before genetic engineering, they know the history of biowarfare, and they know the score. Why then are they participating in this charade?... Were I creating a deliberate bioweapon, I would not construct it from published sequences that would suggest a lab origin. I would construct it or choose it to not leave that evidence of its origin.

Note: That is validated by WHO team in January 2021 visited China to determine the origin. They were not hopeful.

James Perloff:

Sean of SGT Report (who interviewed me in April 2020 on COVID-19 —the interview was deleted by YouTube and has been moved to Bitchute) called my attention to Rashid Buttar, MD, who I consider among the most compelling COVID-19 analysts. YouTube has censored a number of Dr. Buttar's videos, although you can still find them on his websites. He calls attention to the 2015 article "Engineered Bat Virus Stirs Debate over Risky Research" published in the journal **Nature**. It concerned the controversial virus experiment (mentioned above by Dr. Francis Boyle) undertaken by a team of **American and Chinese scientists**, including Dr. Zhengli Shi from the Wuhan Level 4 lab, located near the Wuhan seafood market blamed for the outbreak. Nature has now added a disclaimer which reads: "We are aware that this story is being used as the basis for

unverified theories that the novel coronavirus causing COVID-19 was engineered. There is no evidence that this is true; scientists believe that an animal is the most likely source of the coronavirus.” Dr. Buttar observes that the disclaimer does not discredit the article, which he suggests reading straightforwardly. It said, in part:

An experiment that created a hybrid version of a bat coronavirus—one related to the virus that causes SARS (severe acute respiratory syndrome)—has triggered renewed debate over whether engineering lab variants of viruses with possible pandemic potential is worth the risks. In an article published in *Nature Medicine* on 9 November, scientists investigated a virus called SHC014, which is found in horseshoe bats in China. The researchers created a **chimaeric [hybrid] virus**, made up of a surface protein of SHC014 and the backbone of a SARS virus that had been adapted to grow in mice and to **mimic** human disease. **The chimaera infected human airway cells**—proving that the surface protein of SHC014 has the necessary structure to bind to a key receptor on the cells and to infect them.... But other virologists question whether the information gleaned from the experiment justifies the potential risk. Although the extent of any risk is difficult to assess, Simon Wain-Hobson, a virologist at the Pasteur Institute in Paris, points out that the researchers have created a novel virus that “grows remarkably well” in human cells. “If the virus escaped, nobody could predict the trajectory,” he says....

In **October 2014**, the US government imposed a moratorium on federal funding of such research **on the viruses that cause SARS**, influenza and MERS (Middle East respiratory syndrome, a deadly disease caused by a virus that sporadically jumps from camels to people). The latest study was already under way before the US moratorium began, and the US National Institutes of Health (NIH) allowed it to proceed while it was under review by the agency, says Ralph Baric, an infectious-disease researcher at the University of North Carolina at Chapel Hill, a co-author of the study. The NIH eventually concluded that the work was not so risky as to fall under the moratorium, he says. As Dr. Buttar notes, the man in charge of NIH’s infectious disease branch when it approved the study was none other than Anthony Fauci—prompting Robert F. Kennedy, Jr., nephew of President John F. Kennedy, to post the following on social media:



(Refer Preparedness Report 2a.1) Article: **Vaccines and Retroviruses: A Whistleblower Reveals What the Government is Hiding**

Excerpts: Data suggests that 6% of the U.S. population is harboring a retrovirus in their bodies that can develop into an acquired immune deficiency. This is not the well-known AIDS caused by HIV, but Acquired Immune Deficiency Syndrome (AIDS) associated with other retroviruses. These non-HIV retroviruses were unintentionally introduced into humans over the past 75 years. It began with trials of polio vaccines and yellow fever vaccines given in the early 1930s. This is when the first recorded cases of Chronic Fatigue Syndrome and autism appeared. It involved the use of laboratory mice to prepare vaccines for human use... The long held judgement of the majority of the scientific community was proven wrong in 2009 by Dr. Judy Mikovits and other scientists who discovered that something unexpected and very harmful was happening in laboratories throughout America and the world. They discovered that a retrovirus called XMRV (xenotropic murine retrovirus) and other related retroviruses were now present in 6% of Americans and that this retrovirus was appearing in a very high percentage of people with diseases such as prostate cancer, Chronic Fatigue Syndrome, autism, Lou Gehrig’s Disease, treatment resistant Lyme’s Disease, and Parkinson’s

Disease. The term “**xenotropic**” indicates that the virus had a **non-human origin** and it is now able to live and multiply in humans. This retrovirus had an appearance that was similar to mouse virus, but it also had qualities of human virus. It was a chimera – like a mythical beast – part human and part mouse. It was accidentally created in laboratories when a naturally occurring mouse virus recombined with a human virus found in a prostate cancer culture. This would be confirmed in **2011 by European researchers**. Their 2011 article stated: “One of the most widely distributed biological products that frequently involved mouse tissue, at least up until recent years, is vaccines, especially vaccines against viruses ... It is possible that **XMRV particles** were present in virus stocks cultured in mouse **cells** for vaccine production, and that the virus was **transferred** to the human population **by vaccination**.”

Note: This introduces the possibility that viruses are transmitted via vaccines, hidden not in plain sight. What is coming to light is the investment in disease, the commercialisation of public science, the patenting of not only viruses, vaccines but the biological components in a cell with a ‘change’ as it cannot be natural. The inserts become part of intellectual properties and the patent indicates a human benefit but inserts a problem which creates demand for a vaccine. Bill Gates speaks of his Decade of Vaccines (2010-2020). This is not about ending disease as was the goal of public research, this is about endless vaccines which the contact tracing, COVID-19 Test kits and smart tech will facilitate. They are literally changing the blueprint of DNA. It is extremely dangerous

James Perloff:

Shedding further light on this, in April 2020 Newsweek published an article entitled “**Dr. Fauci Backed Controversial Wuhan Lab with Millions of U.S. Dollars for Risky Coronavirus Research**”: But just last year [2019], the National Institute for Allergy and Infectious Diseases, the organization led by Dr. Fauci, **funded scientists at the Wuhan Institute of Virology** and other institutions for work on gain-of-function research on bat coronaviruses. In 2019, with the backing of NIAID, the National Institutes of Health committed \$3.7 million over six years for research that included some gain-of-function work. The program followed another \$3.7 million, 5-year project for collecting and studying bat coronaviruses, which ended in 2019, bringing the total to \$7.4 million. Many scientists have criticized gain of function research, which involves **manipulating viruses** in the lab to explore their potential for infecting humans, because it creates a risk of starting a pandemic from accidental release....

Dr. Fauci **did not respond** to Newsweek’s requests for comment.

Fauci has a long association with Bill Gates, who has emerged as the high priest of the drive for a COVID vaccine. As James Corbett notes: “...Beyond just their frequent collaborations and cooperation in the past, Fauci has direct ties to Gates’ projects and funding. In 2010, he was appointed to the Leadership Council of the Gates founded “Decade of Vaccines” project to implement a Global Vaccine Action Plan—a project to which Gates committed **\$10 billion** of funding. And in October of last year, just as the current pandemic was beginning, the Gates Foundation announced a **\$100 million contribution** to the National Institute of Health to help, among other programs, Fauci’s National Institute of Allergy and Infectious Diseases’ research into HIV...”

For those who’d like an inside look at Dr. Fauci’s record of corruption and cronyism, I recommend the 25-minute video Plandemic featuring comments from Dr. Judy Mikovits, who was persecuted by Fauci after she and her co-researcher Frank Ruscetti discovered that the **virus causing Chronic Fatigue Syndrome** came from **contaminated** blood and vaccines.

Censored by YouTube, it can be found on Bitchute at <https://www.bitchute.com/video/PuY6jzvuRb3i/> (or just search for “Plandemic”). I also recommend Mikovits’s best-selling book Plague of Corruption.

If, in fact, COVID-19 is a bioweapon, the University of North Carolina experiment may seem a reasonable “likely suspect” for its beginnings, and perhaps the Wuhan Level 4 bioweapons lab for its finalization. However, I’m certainly not asserting that it happened that way. Many countries have bioweapon capabilities, including, as Gilad Atzmon has noted, Israel, which is not a signatory to the Biological Weapons Convention. (No one who has read Ronen Bergman’s 800-page Rise and Kill First: The Secret History of Israel’s Targeted Assassinations would doubt the sophistication of Israeli killing methods.)

Also noteworthy: on October 18, 2019, opening ceremonies for the Military World Games, with nearly 10,000 military personnel from 110 nations, took place in Wuhan, China—six weeks before the coronavirus outbreak officially began there. **Bioweapons are a military asset**; did the Wuhan games act as cover for dispersal of COVID-19?

3. Lab Created: Accidental Leak or Deliberate Dispersion

If, in fact, COVID-19 is a bioweapon, the question naturally follows: “Was it accidentally leaked (as some have suggested, pointing out the proximity of the Wuhan bioweapons lab to the much-maligned seafood market)? Or was it released intentionally? Several predictive events point to the latter.

- Event 201. As Spiro Skouras reported: In this report we take an inside look at Event 201, which took place in NYC on October 18 2019. Event 201 is a high-level pandemic exercise hosted by the Johns Hopkins Center for Health Security in partnership with the World Economic Forum and the Bill and Melinda Gates Foundation. This is extremely fascinating because this pandemic simulation exercise of coronavirus took place about 6 weeks before the first illness from the coronavirus was actually reported in Wuhan China!
- Event 201’s own website states: “Event 201 simulates an outbreak of a novel zoonotic coronavirus transmitted from bats to pigs to people that eventually becomes efficiently transmissible from person to person, leading to a severe pandemic. The pathogen and the disease it causes are modelled largely on SARS, but it is more transmissible in the community setting by people with mild symptoms.”

In a disturbing parallel to COVID-19, Event 201 footage shows participants of the exercise openly discussing **ensorship of alternative media opposition** to government measures as “fake news.” Here are some excerpts:

Countries are reacting different ways as to how best to manage the overwhelming amounts of dis- and misinformation circulating over the Internet. In some cases, limited Internet shutdowns are being implemented to quell panic....

I think this is more than just keeping the bad information out. It’s also about making sure real public health information reaches the public news, is found from outlets other than social media. News organizations, public health groups and companies need to help people take the right actions to protect themselves by promoting accurate, real information about the outbreak. Okay, for more on this, we’re going to get a briefing from our communications expert, Dr. Sell. Global Health experts have highlighted that dis- and misinformation are wreaking havoc on the CAPS [Coronavirus Associated Pulmonary Syndrome] response. Health workers are under attack in a number of locations due to rumors that they’re purposely spreading the disease, and response efforts in many places have had to be suspended because of concerns around violence. Pharmaceutical companies are being accused of introducing the CAPS virus so they can make money on drugs and vaccines. And I’ve seen public faith in their products plummet....

We know that social media is now the primary way that many people get their news. So interruptions to these platforms could curb the spread of misinformation, but could also limit access to information from legitimate sources.... Some governments have taken control of national access to the Internet. Others are censoring websites and social media content, and a small number have shut down Internet access completely to prevent the spread of misinformation. Penalties have been put in place for spreading harmful falsehoods, including arrests. Other countries have taken a more moderate approach and have **focused on promoting fact-checking** efforts and working with traditional media outlets.

The Bill and Melinda Gates Foundation helped negotiate who would score a \$100 billion government-backed contact tracing contract in August 2019—six months before the “pandemic” arrived in the United States and four months before it swept through China. The shocking revelations were unveiled on the Thomas Paine Podcast and the Moore Paine Show on Patreon by the two investigators who blew the whistle on the massive Clinton Foundation tax fraud during a Congressional hearing in 2018. John Moynihan and Larry Doyle testified in Congress, detailing the fraud and schemes utilized by the Clintons to avoid paying up to \$2.5 BILLION in federal taxes.

The investigative duo, in their first interview since that bombshell Congressional testimony, revealed to Paine that representatives from the Gates Foundation met with U.S. Congressman Bobby L. Rush at a sit-down in Rwanda, East Africa in mid-August 2019 to hash out who would score the windfall from a government contact tracing program. And just last month—nine months after the meetings with the Gates Foundation in Rwanda—Rush, a Democrat from Illinois, introduced the \$100 BILLION H.R. 6666, the COVID-19 Testing, Reaching and Contacting Everyone (TRACE) Act. Rush's bill would establish a program run by the Centers for Disease Control and Prevention (CDC) for **national coronavirus testing and contact tracing**. Paine has since learned Congressman Rush traveled to Rwanda with his spouse from August 12th to 19th, 2019 to take part in talks and a week-long event underwritten by the Bill and Melinda Gates Foundation and the Rockefeller Brothers Fund. But how can you negotiate the byproducts of monitoring a pandemic six to seven months before the outbreak of the virus even happens?

- In January 2020, Netflix released a three-episode documentary called *Pandemic*. Here is a transcript from the trailer (the voices are of various actors):

A hundred years ago, a deadly influenza virus infected hundreds of millions of people. Somewhere in the order of **50 to 100 million deaths**. When we talk about another flu pandemic happening, it's not a matter of if, but when.... This is definitely one of the most lethal influenza viruses that we have seen so far. It just takes one person to start an outbreak. It will leave its mark. The result would be hundreds of millions of people that would likely die. That's why I do what I do. We're **making a vaccine** that could treat all future versions of flu. This vaccine could eradicate influenza as we know it. The problem's so widespread, the World Health Organization is calling the refusal to vaccinate one of the biggest threats of 2019.... The virus can spread throughout the country; a month after that widespread throughout the world. The next pandemic is going to start; we just don't know where or how, but we know it will. That poses an existential threat to us as a species.

- Before the outbreak, the Israeli firm **MIGAL** began working on coronavirus vaccine. The Jerusalem Post reported in April 2020: Israeli scientists are on the cusp of developing the first vaccine against the novel coronavirus, according to Science and Technology Minister Ofir Akunis. If all goes as planned, the vaccine could be ready within a few weeks and available in 90 days, according to a release. (Akunis made his statement at the end of February.)

"Our basic concept was to develop the technology and not specifically a vaccine for this kind or that kind of virus," said Dr. Chen Katz, MIGAL's biotechnology group leader.... "Let's call it pure luck," he said. "We decided to choose coronavirus as a model for our system just as a proof of concept for our technology."

The Rockefeller Foundation

Before leaving the subject of advance knowledge of the COVID crisis, note should be made of the Rockefeller Foundation, long notorious for using its tax-free assets to advance geopolitical agendas. In 2010, the Rockefeller Foundation published *Scenarios for the Future of Technology and International Development*. In several ways, the first scenario reads eerily similar to the COVID-19 outbreak:

4. 5G Theory

Wuhan was China's rollout city for 5G, the 5th generation mobile network that, unlike previous wireless networks, will operate through millions of "small cells" that transmit over short distances. Another major hypothesis circulating in alternative media has been that 5G was the primary cause of the COVID-19 pandemic. YouTube has systematically deleted videos making this assertion. From one perspective, this may validate the videos, given YouTube's record of draconian censorship. On the other hand, there are responsible people in alternative media who argue against, or at least question, a 5G role. For example, activist and blogger Derrick Broze, an opponent of 5G, was interviewed on the Corbett Report.

Broze did not see 5G as causing the COVID-19 crisis; he pointed out, for example, that he had lived in Houston, an America rollout city for 5G, and no one started having COVID-19 when 5G began there.

(However, as 5G operates at widely varying frequencies, and since the initial U.S. rollout was “soft,” one could question if this was done so there would be no public alarm and the “frog could be boiled.”)

Appendix 5—starting on page 648—is “Potential Impact of Wireless Radiation Exposure on the Opioid Crisis and the Coronavirus Pandemic.” He questions if EMFs contributed to the pandemic by weakening the immune system.

Magda Havas, PhD, did a study showing that, in U.S. states with 5G, both the infection and death rates for COVID-19 were about **double that of states without 5G**.

Others who see a 5G link with COVID-19 include Thomas Cowan, MD, and Robert O. Young, PhD, both of whom YouTube has heavily censored. Cowan calls attention to the work of Arthur Firstenberg, whose book *The Invisible Rainbow* points out that past pandemics—in 1889 (Russian Flu), 1918 (Spanish Flu), 1957 (Asian Flu), and 1968 (Hong Kong Flu)—each corresponded with new electric/electromagnetic rollouts: electric power lines, radio, radar and satellites. He believes that the impact of these on the ionosphere—the Earth’s electrical envelope—had negative ramifications for human health.

5. Population

- The globalist oligarchs have an agenda of population reduction. CNN founder Ted Turner has said: “A total world population of 250-300 million people, a 95 percent decline from present levels, would be ideal.”
- Robert McNamara, former President of the World Bank, calling population growth “the gravest issue the world faces,” stated, “Either the current birthrate must come down more quickly, or the current death rates must go up.”
- Zbigniew Brzezinski, long-time architect of U.S. foreign policy, said: “In earlier times it was easier to control a million people, literally, than physically to kill a million people. Today it is infinitely easier to kill a million people than to control a million people.”
- Perhaps most telling for COVID-19 is Prince Philip’s remark made in 1988: “In the event that I am reincarnated, I would like to return as a deadly virus in order to contribute something to solve overpopulation.” These quotes are just a tiny sampling of what can be found out there by looking on search engines for “population control quotes.”
- In April 2020, former Russian intelligence officer Vladimir Kvachkov gave a televised interview commenting on the population control agenda associated with COVID-19. He also addressed other aspects of the crisis which I find relevant enough to include here. Translated from the Russian:
- Kvachkov: The coronavirus phenomenon, that they **falsely deem a pandemic**, needs to be examined from the perspective of global powers—religious, political, financial, economic and national. The coronavirus phenomenon, the so-called pandemic—and let me tell you, there’s no pandemic, it’s all a lie—needs to be considered as a **global, strategic special operation**. This is exactly how you need to think of this thing. These are command and staff exercises of the world’s behind-the-scenes powers on controlling humanity. That is what the goal of this coronavirus is.
- I’ll repeat it once again, we have **little faith in God and even less in the existence of Satan**, the enemy of the human race. So, the aim of the behind-the-scenes Zionist and financial powers is **reducing the world’s population**. It’s their *idée fixe*. They think there’s too many of us ordinary people in the world.
- There should be around **100 million of their own kind** and a maximum of **1 billion people on Earth** to serve them. Then they’ll be living in abundance here on Earth. Because, us the people, the earthlings—there’s too many of us for the behind the-scenes world powers.

6. COVID-19 Does not Exist

Additional explanations for COVID-19 have been advanced that I won’t elaborate on at length:

- It is generally acknowledged in the scientific community that viruses are **not technically living things**, and there has long been some debate as to what they actually constitute. In a 38-minute video posted in March 2020, Andrew Kaufman, MD, articulates the view that what is being identified under electron

microscopes as the COVID-19 virus is actually **identical to exosomes**—structures which **eliminate toxins from cells**. Such toxins, he says, could result from various sources, not excluding EMFs. The video may be seen at "A Breakdown on Current Testing Procedures," Secrets of Saturn, March 30, 2020, <https://www.youtube.com/watch?v=Xr8Dy5mnYx8>. Dr. Thomas Cowan, Dr. Robert O. Young, and Arthur Firstenberg, referenced in the preceding chapter on 5G, express an outlook on viruses very similar to Kaufman's.

- Dr. Stephanie Seneff, PhD, a Senior Research Scientist at MIT's Computer Science and Artificial Intelligence Laboratory, makes a case that the reason some people have such a **lethal** reaction to COVID-19 is exposure to the toxic Monsanto-produced pesticide **glyphosate**, both in their diet and by inhaling atmospheric **glyphosate** into their lungs (glyphosate is present in the **biofuels** increasingly used by vehicles to replace fossil fuels).
- Dr. Seneff 's paper is called "Connecting the Dots: **Glyphosate and COVID19**," and may be read at <https://jennifermargulis.net/glyphosate-and-covid19-connection/>.
- Zack Bush, MD, holding an outlook comparable to Seneff 's, points out that the **worst-hit regions** for COVID death were also areas with the **worst air pollution—Wuhan, Northern Italy, New York City**. He views lethal cases of COVID as not simply viral, but being caused by hypoxic injury, comparable to cyanide poisoning, and principally aggravated by exposure to air pollutants-including the airborne glyphosate Seneff alludes to. Bush has elaborated his view in a number of interviews-see, e.g., "Doctor Who Predicted COVID-19 Answers All," The HighWire with Del Bigtree, May 8, 2020, <https://www.facebook.com/HighWireTalk/videos/783415185521346/>.
- Finally, why are antibiotics helping COVID-19 victims, but not antiviral medications?
- Lawrence Broxmeyer, MD, has written an article for the magazine Nexus, proposing that the coronavirus acts as a **"passenger virus"** for a deadlier lung disease-tuberculosis. Broxmeyer's article, "Questions Raised by the 'New' Coronavirus," may be read at https://www.academia.edu/42205426/Questions_raised_by_the_new_coronavirus.

9.1 Bill Gates in 2018: The world needs to Prepare for Pandemics just like War²⁹

Note: Bill Gates states in 2018 that the world needs to prepare for pandemics just like a war.

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Bill Gates

Lacy O'Toole | CNBC



The Centers for Disease Control and Prevention and health officials continue to grapple with the coronavirus outbreak that has killed at least 132 people in China and sickened 6,100 worldwide. And back in 2018, Billionaire Bill Gates **gave a warning** that the world wasn't prepared for pandemics, which should "concern us all."

Speaking at an event hosted by **Massachusetts Medical Society** and the New England Journal of Medicine (NEJM) on April 27, 2018, Gates said he believed "the world needs to prepare for pandemics in the same serious way it prepares for war."

"This preparation includes **staging simulations, war games and preparedness exercises** so that we can better understand how diseases will **spread** and how to deal with responses such as quarantine and communications to minimize panic," Gates said.

Pandemics occur when epidemics spread between countries. And though coronavirus is not considered a pandemic, the spread of such viruses is a serious concern.

Gates noted that while a 2009 outbreak of H1N1 influenza (dubbed the **swine flu**) wasn't as lethal as people initially feared, it did call attention to the fact that the world doesn't have a coordinated approach to help with early detection and spread of pandemics.

"The Ebola epidemic in West Africa four years ago was another wake up call, as the number of confirmed cases climbed, the death toll mounted, and local health systems collapsed. Again, the world was much too slow to respond," he said of the 2014-2016 epidemic, which **killed 11,000** and infected more than 28,000. Eleven people were treated for Ebola in the United States during that epidemic, according to the CDC.

Gates also compared future deadly global pandemics to a new type of "**military weapon.**"

Gates recalled that at the 2017 Munich Security Conference he "asked world leaders to imagine that somewhere in the world a **new weapon** exists or could emerge that is capable of **killing millions** of people, bringing economies to a standstill, and casting nations into chaos.

"If it were a military weapon, the response would be to do everything possible to develop countermeasures," he said at the NEJM event, adding that a "**sense of urgency is lacking**" when it comes to biologic threats.

²⁹ <https://www.cnbc.com/2020/01/27/bill-gates-in-2018-world-needs-to-prepare-for-pandemics-just-like-war.html>

This should concern everyone said Gates, "because history has taught us there will be **another deadly** global pandemic.

"We can't predict when, but given the **continual emergence of new pathogens**, the increasing risk of a bioterror attack, and the ever-increasing connectedness of our world, there is a significant probability that a large and lethal modern-day pandemic will occur in our lifetime," Gates said.

To be better prepared, Gates said **world leaders need to invest** in approaches such as antiviral drugs and antibody therapies that can be stockpiled or rapidly manufactured to the spread of these future diseases.

On Sunday, The Bill & Melinda Gates Foundation announced that it is donating \$10 million in "emergency funds and corresponding technical support to **help frontline responders** in China and Africa accelerate their efforts to contain the global spread of 2019-nCoV," as coronavirus is officially known, according to the foundation's website.

"We are deeply concerned about the development of the current epidemic and express our high respect to those who are fighting on the front lines," **Yinuo Li, director of the Gates Foundation China** said in a statement to China Daily.

On Monday, U.S. health officials announced they are currently monitoring 110 people across 26 states for the coronavirus, including five people who contracted it China and then traveled to the US.

10.0 THE PLANDEMIC

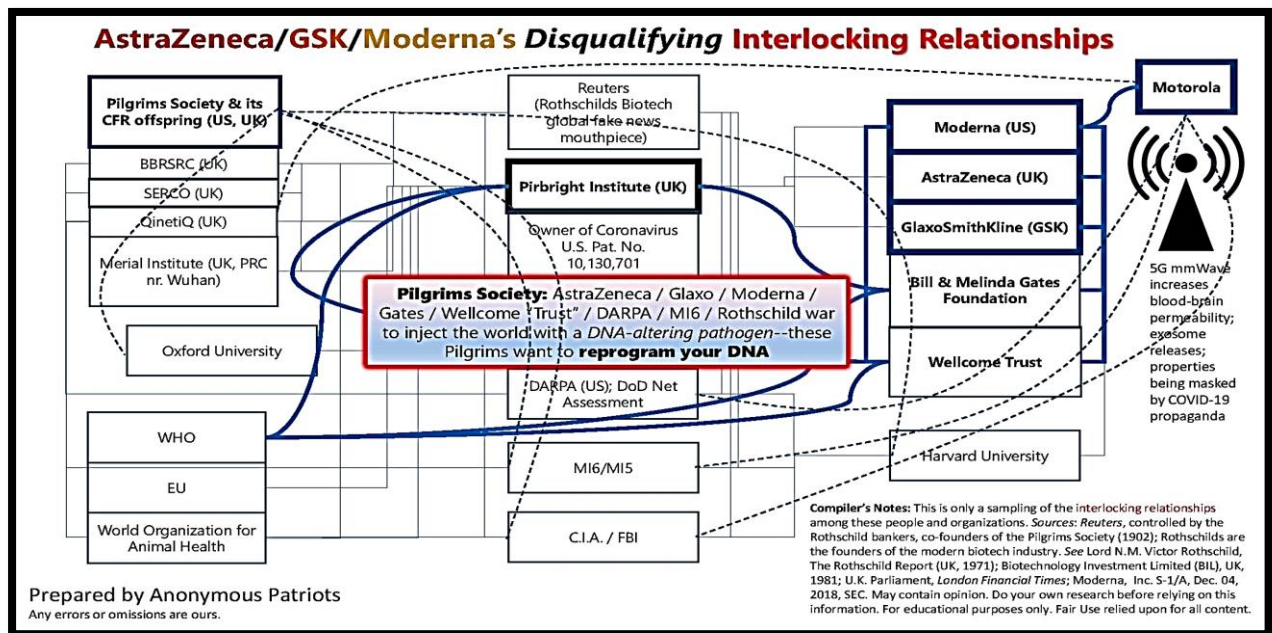
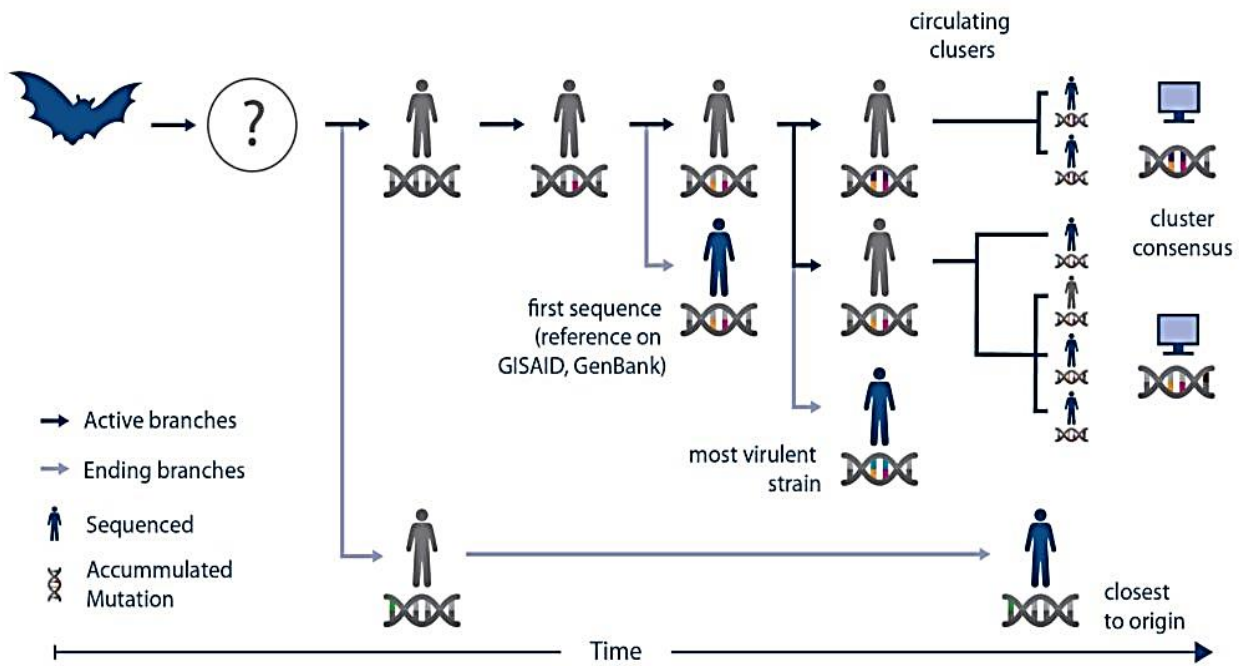


Figure 1: Choosing the right strain can be difficult in an emerging or accelerating outbreak



Source: The Australia E-Health Research Centre. It should be noted SARS-CoV-2 didn't come from bats.

10.1.1.1 Futures: The Rockefeller Foundation and its Scenarios

Before leaving the subject of advance knowledge of the COVID crisis, note should be made of the Rockefeller Foundation, long notorious for **using its tax-free assets** to advance geopolitical agendas. In 2010, the Rockefeller Foundation published **Scenarios for the Future of Technology and International Development**. In several ways, the first scenario reads eerily similar to the COVID-19 outbreak:

In 2012, the pandemic that the **world had been anticipating** for years finally hit. Unlike 2009's H1N1, this new influenza strain—originating from **wild geese**—was extremely virulent and deadly. Even the most pandemic-prepared nations were quickly overwhelmed when the virus streaked around the world, infecting nearly **20 percent of the global population and killing 8 million in just seven months**, the majority of them healthy young adults. The pandemic also had a deadly effect on economies: international mobility of both people and goods screeched to a halt, debilitating industries like **tourism** and breaking global supply chains. Even locally, normally bustling shops and office buildings **sat empty** for months, devoid of both employees and customers. The pandemic blanketed the planet—though **disproportionate numbers died in Africa, Southeast Asia, and Central America**, where the virus spread like wildfire in the absence of official containment protocols. But even in developed countries, containment was a challenge. The United States's initial policy of "strongly discouraging" citizens from flying proved deadly in its leniency, **accelerating the spread of the virus** not just within the U.S. but across borders. However, a few countries did fare better—China in particular. The Chinese government's quick imposition and enforcement of **mandatory quarantine for all citizens**, as well as its instant and near-hermetic sealing off of all borders, saved millions of lives, stopping the spread of the virus far earlier than in other countries and enabling a swifter post pandemic recovery.

China's government was not the only one that took **extreme measures to protect its citizens** from risk and exposure. During the pandemic, national leaders around the world flexed their authority and imposed airtight rules and restrictions, from the mandatory wearing of face masks to body-temperature checks at the entries to communal spaces like train stations and supermarkets. Even after the pandemic faded, this more authoritarian control and oversight of citizens and their activities stuck and even intensified. In order to protect themselves from the spread of increasingly global problems—from pandemics and transnational terrorism to environmental crises and rising poverty—**leaders around the world took a firmer grip on power**.

At first, the notion of a **more controlled world** gained wide acceptance and approval. Citizens **willingly gave up some of their sovereignty—and their privacy**—to more paternalistic states in exchange for greater safety and stability. Citizens were more tolerant, and even eager, for top-down direction and oversight, and national leaders had more latitude to **impose order** in the ways they saw fit.

NOTES

1. "Did Bill Gates and World Economic Forum Predict Coronavirus Outbreak? Will There Be an Internet Blackout to Control Information?" Health Impact News, April 21, 2020, <https://healthimpactnews.com/2020/did-bill-gates-world-economic-forumpredict-coronavirus-outbreak-will-there-be-an-internet-blackout-to-controlinformation/>.
2. "The Event 201 Scenario," Event 201, <https://www.centerforhealthsecurity.org/event201/scenario.html>.
3. Event 201 transcript, Pastebin, February 26, 2020, 659-661, <https://pastebin.com/x2uX8TDC>.
4. Ibid., 663-66.
5. Ibid., 666-68.
6. Ibid., 679-81.
7. Ibid., 687.
8. Ibid., 753-55.
9. "Crimson Contagion," Wikipedia, https://en.wikipedia.org/wiki/Crimson_Contagion.

10.1.1.2 2010: Scenarios for the Future of Technology and International Development, Rockefeller Foundation and Global Business Network

This report was produced by The Rockefeller Foundation and Global Business Network. May 2010. It is an example of scenarios the Global Elite construct as if the world is a chessboard not a living natural system.



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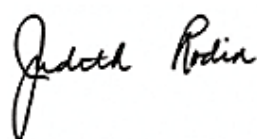
The Rockefeller Foundation supports work that expands opportunity and strengthens resilience to social, economic, health, and environmental challenges—affirming its pioneering philanthropic mission, since 1913, to “promote the well-being” of humanity. We take a synergistic, strategic approach that places a high value on innovative processes and encourages new ways of seeking ideas, to break down silos and encourage interdisciplinary thinking.

One important—and novel—component of our strategy toolkit is scenario planning, a process of creating narratives about the future based on factors likely to affect a particular set of challenges and opportunities. We believe that scenario planning has great potential for use in philanthropy to identify unique interventions, simulate and rehearse important decisions that could have profound implications, and highlight previously undiscovered areas of connection and intersection. Most important, by providing a methodological structure that helps us focus on what we don't know—instead of what we already know—scenario planning allows us to achieve impact more effectively.

The results of our first scenario planning exercise demonstrate a provocative and engaging exploration of the role of technology and the future of globalization, as you will see in the following pages. This report is crucial reading for anyone interested in creatively considering the multiple, divergent ways in which our world could evolve. The sparks of insight inspiring these narratives—along with their implications for philanthropy as a whole—were generated through the invaluable collaboration of grantee representatives, external experts, and Rockefeller Foundation staff. I offer a special thanks to Peter Schwartz, Andrew Blau, and the entire team at Global Business Network, who have helped guide us through this stimulating and energizing process.

Leading this effort at the Rockefeller Foundation is our Research Unit, which analyzes emerging risks and opportunities and thinks imaginatively about how to respond to the complex, rapidly changing world around us. This outward-looking intelligence function adopts a cross-cutting mindset that synthesizes and integrates knowledge that accelerates our ability to act more quickly and effectively. It has also helped to shape and build the notion of “pro-poor foresight” that is committed to applying forward-looking tools and techniques to improve the lives of poor and vulnerable populations around the world.

I hope this publication makes clear exactly why my colleagues and I are so excited about the promise of using scenario planning to develop robust strategies and offer a refreshing viewpoint on the possibilities that lie ahead. We welcome your feedback.



Judith Rodin
President
The Rockefeller Foundation

Scenario Narratives

Lock Step



LOCK STEP

A world of tighter top-down government control and more authoritarian leadership, with limited innovation and growing citizen pushback

In 2012, the pandemic that the world had been anticipating for years finally hit. Unlike 2009's H1N1, this new influenza strain—originating from wild geese—was extremely virulent and deadly. Even the most pandemic-prepared nations were quickly overwhelmed when the virus streaked around the world, infecting nearly 20 percent of the global population and killing 8 million in just seven months, the majority of them healthy young adults. The pandemic also had a deadly effect on economies: international mobility of both people and goods screeched to a halt, debilitating industries like tourism and breaking global supply chains. Even locally, normally bustling shops and office buildings sat empty for months, devoid of both employees and customers.

The pandemic blanketed the planet—though disproportionate numbers died in Africa, Southeast Asia, and Central America, where the virus spread like wildfire in the absence of official containment protocols. But even in developed countries, containment was a challenge. The United States's initial policy of "strongly discouraging" citizens from flying proved deadly in its leniency, accelerating the spread of the virus not just within the U.S. but across borders. However, a few countries did fare better—China in particular. The Chinese government's quick imposition and enforcement of mandatory quarantine for all citizens, as well as its instant and near-hermetic sealing off of all borders, saved millions of lives, stopping the spread of the virus far earlier than in other countries and enabling a swifter post-pandemic recovery.

China's government was not the only one that took extreme measures to protect its citizens from risk and exposure. During the pandemic, national leaders around the world flexed their authority and imposed airtight rules and restrictions, from the mandatory wearing of face masks to body-temperature checks at the entries to communal spaces like train stations and supermarkets. Even after the pandemic faded, this more authoritarian control and oversight of citizens and their activities stuck and even intensified. In order to protect themselves from the spread of increasingly global problems – from pandemics and transnational terrorism to environmental crises and rising poverty – leaders around the world took a firmer grip on power.

At first, the notion of a more controlled world gained wide acceptance and approval. Citizens willingly gave up some of their sovereignty – and their privacy – to more paternalistic states in exchange for greater safety and stability. Citizens were more tolerant, and even eager, for top-down direction and oversight, and national leaders had more latitude to impose order in the ways they saw fit. In developed countries, this heightened oversight took many forms: biometric IDs for all citizens, for example, and tighter regulation of key industries whose stability

was deemed vital to national interests. In many developed countries, enforced cooperation with a suite of new regulations and agreements slowly but steadily restored both order and, importantly, economic growth.

Across the developing world, however, the story was different – and much more variable. Top-down authority took different forms in different countries, hinging largely on the capacity, caliber, and intentions of their leaders. In countries with strong and thoughtful leaders, citizens' overall economic status and quality of life increased. In India, for example, air quality drastically improved after 2016, when the government outlawed high-emitting vehicles. In Ghana, the introduction of ambitious government programs to improve basic infrastructure and ensure the availability of clean water for all her people led to a sharp decline in water-borne diseases. But more authoritarian leadership worked less well – and in some cases tragically – in countries run by irresponsible elites who used their increased power to pursue their own interests at the expense of their citizens.

There were other downsides, as the rise of virulent nationalism created new hazards: spectators at the 2018 World Cup, for example,



wore bulletproof vests that sported a patch of their national flag. Strong technology regulations stifled innovation, kept costs high, and curbed adoption. In the developing world, access to “approved” technologies increased but beyond that remained limited: the locus of technology innovation was largely in the developed world, leaving many developing countries on the receiving end of technologies that others consider “best” for them. Some

“IT IS POSSIBLE TO DISCIPLINE AND CONTROL SOME SOCIETIES FOR SOME TIME, BUT NOT THE WHOLE WORLD ALL THE TIME.”

– GK Bhat, TARU Leading Edge, India

governments found this patronizing and refused to distribute computers and other technologies that they scoffed at as “second hand.” Meanwhile, developing countries with more resources and better capacity began to innovate internally to fill these gaps on their own.

interests – whether it was gaining access to needed resources or banding together in order to achieve economic growth. In South America and Africa, regional and sub-regional alliances became more structured. Kenya doubled its trade with southern and eastern Africa, as new partnerships grew within the continent. China’s investment in Africa expanded as the bargain of new jobs and infrastructure in exchange for access to key minerals or food exports proved agreeable to many governments. Cross-border ties proliferated in the form of official security aid. While the deployment of foreign security teams was welcomed in some of the most dire failed states, one-size-fits-all solutions yielded few positive results.

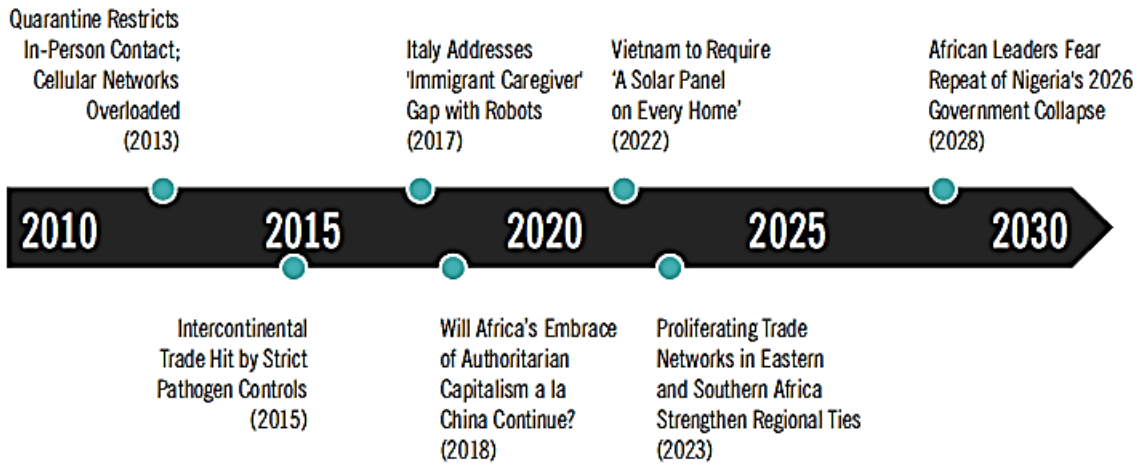
By 2025, people seemed to be growing weary of so much top-down control and letting leaders and authorities make choices for them.

Meanwhile, in the developed world, the presence of so many top-down rules and norms greatly inhibited entrepreneurial activity. Scientists and innovators were often told by governments what research lines to pursue and were guided mostly toward projects that would make money (e.g., market-driven product development) or were “sure bets” (e.g., fundamental research), leaving more risky or innovative research areas largely untapped. Well-off countries and monopolistic companies with big research and development budgets still made significant advances, but the IP behind their breakthroughs remained locked behind strict national or corporate protection. Russia and India imposed stringent domestic standards for supervising and certifying encryption-related products and their suppliers—a category that in reality meant all IT innovations. The U.S. and EU struck back with retaliatory national standards, throwing a wrench in the development and diffusion of technology globally.

Especially in the developing world, acting in one’s national self-interest often meant seeking practical alliances that fit with those

Wherever national interests clashed with individual interests, there was conflict. Sporadic pushback became increasingly organized and coordinated, as disaffected youth and people who had seen their status and opportunities slip away—largely in developing countries—incited civil unrest. In 2026, protestors in Nigeria brought down the government, fed up with the entrenched cronyism and corruption. Even those who liked the greater stability and predictability of this world began to grow uncomfortable and constrained by so many tight rules and by the strictness of national boundaries. The feeling lingered that sooner or later, something would inevitably upset the neat order that the world’s governments had worked so hard to establish. •

HEADLINES IN LOCK STEP



ROLE OF PHILANTHROPY IN LOCK STEP

Philanthropic organizations will face hard choices in this world. Given the strong role of governments, doing philanthropy will require heightened diplomacy skills and the ability to operate effectively in extremely divergent environments. Philanthropy grantee and civil society relationships will be strongly moderated by government, and some foundations might choose to align themselves more closely with national official development assistance (ODA) strategies and government objectives. Larger philanthropies will retain an outsized share of influence, and many smaller philanthropies may find value in merging financial, human, and operational resources.

Philanthropic organizations interested in promoting universal rights and freedoms will get blocked at many nations' borders. Developing smart, flexible, and wide-ranging relationships in this world will be key; some philanthropies may choose to work only in places where their skills and services don't meet resistance. Many governments will place severe restrictions on the program areas and geographies that international philanthropies can work in, leading to a narrower and stronger geographic focus or grant-making in their home country only.



TECHNOLOGY IN LOCK STEP

While there is no way of accurately predicting what the important technological advancements will be in the future, the scenario narratives point to areas where conditions may enable or accelerate the development of certain kinds of technologies. Thus for each scenario we offer a sense of the context for technological innovation, taking into consideration the pace, geography, and key creators. We also suggest a few technology trends and applications that could flourish in each scenario.

Technological innovation in “Lock Step” is largely driven by government and is focused on issues of national security and health and safety. Most technological improvements are created by and for developed countries, shaped by governments’ dual desire to control and to monitor their citizens. In states with poor governance, large-scale projects that fail to progress abound.

Technology trends and applications we might see:

- Scanners using advanced functional magnetic resonance imaging (fMRI) technology become the norm at airports and other public areas to detect abnormal behavior that may indicate “antisocial intent.”
- In the aftermath of pandemic scares, smarter packaging for food and beverages is applied first by big companies and producers in a business-to-business environment, and then adopted for individual products and consumers.
- New diagnostics are developed to detect communicable diseases. The application of health screening also changes; screening becomes a prerequisite for release from a hospital or prison, successfully slowing the spread of many diseases.
- Tele-presence technologies respond to the demand for less expensive, lower-bandwidth, sophisticated communications systems for populations whose travel is restricted.
- Driven by protectionism and national security concerns, nations create their own independent, regionally defined IT networks, mimicking China’s firewalls. Governments have varying degrees of success in policing internet traffic, but these efforts nevertheless fracture the “World Wide” Web.

CLEVER TOGETHER

A world in which highly coordinated and successful strategies emerge for addressing both urgent and entrenched worldwide issues

The recession of 2008-10 did not turn into the decades-long global economic slide that many had feared. In fact, quite the opposite: strong global growth returned in force, with the world headed once again toward the demographic and economic projections forecasted before the downturn. India and China were on track to see their middle classes explode to 1 billion by 2020. Mega-cities like Sao Paulo and Jakarta expanded at a blistering pace as millions poured in from rural areas. Countries raced to industrialize by whatever means necessary; the global marketplace bustled.

But two big problems loomed. First, not all people and places benefited equally from this return to globalized growth: all boats were rising, but some were clearly rising more. Second, those hell-bent on development

and expansion largely ignored the very real environmental consequences of their unrestricted growth. Undeniably, the planet's climate was becoming increasingly unstable. Sea levels were rising fast, even as countries continued to build-out coastal mega-cities. In 2014, the Hudson River overflowed into New York City during a storm surge, turning the World Trade Center site into a three-foot-deep lake. The image of motorboats navigating through lower Manhattan jarred the world's most powerful nations into realizing that climate change was not just a developing-world problem.

That same year, new measurements showing that atmospheric carbon dioxide levels were climbing precipitously created new urgency and pressure for governments (really, for everyone) to do something fast.

In such an interconnected world, where the behaviors of one country, company, or individual had potentially high-impact effects on all others, piecemeal attempts by one nation here, one small collective of environmental organizations there, would not be enough to stave off a climate disaster—or, for that matter, to effectively address a host of other planetary-scale problems. But highly coordinated worldwide strategies for addressing such urgent issues just might. What was needed was systems thinking—and systems acting—on a global scale.

International coordination started slowly, then accelerated faster than anyone had imagined. In 2015, a critical mass of middle income and developed countries with strong economic growth publicly committed to leveraging their resources against global-scale problems, beginning with climate change. Together, their governments hashed out plans for monitoring and reducing greenhouse gas emissions in the short term and improving the absorptive capacity of the natural environment over the long term. In 2017, an international agreement was reached on carbon sequestration (by then, most multinational corporations had a chief carbon officer) and intellectual and financial resources were pooled to build out carbon

capture processes that would best support the global ecosystem. A functioning global cap and trade system was also established. Worldwide, the pressure to reduce waste and increase efficiency in planet-friendly ways was enormous. New globally coordinated systems for monitoring energy use capacity—including smart grids and bottom-up pattern recognition technologies—were rolled out. These efforts produced real results: by 2022, new projections showed a significant slowing in the rise of atmospheric carbon levels.

Inspired by the success of this experiment in collective global action, large-scale coordinated initiatives intensified. Centralized global oversight and governance structures sprang up, not just for energy use but also for disease and technology standards. Such systems and structures required far greater levels of transparency, which in turn required more tech-enabled data collection, processing, and feedback. Enormous, benign “sousveillance” systems allowed citizens to access data—all publically available—in real time and react. Nation-states lost some of their power and importance as global architecture strengthened and regional governance structures emerged. International oversight entities like the UN

took on new levels of authority, as did regional systems like the Association of Southeast Asian Nations (ASEAN), the New Partnership for Africa’s Development (NEPAD), and the Asian Development Bank (ADB). The worldwide spirit

of collaboration also fostered new alliances and alignments among corporations, NGOs, and communities. These strong alliances laid the groundwork for more global and participatory attempts to solve big problems and raise the standard of living of everyone. Coordinated efforts to tackle long-entrenched problems like hunger, disease, and access to basic needs took hold. New inexpensive technologies like better medical diagnostics and more effective vaccines improved healthcare delivery and health outcomes. Companies, NGOs, and governments—often acting together—launched pilot programs and learning labs to figure out how to best meet the needs of particular communities, increasing the knowledge base of what worked and what didn’t. Pharmaceuticals giants released thousands of drug compounds shown to be effective against diseases like malaria into the public domain as part of an “open innovation” agenda; they also opened their archives of R&D on neglected diseases deemed not commercially viable, offering seed funding to scientists who wanted to carry the research forward.

“WHAT IS OFTEN SURPRISING ABOUT NEW TECHNOLOGIES IS COLLATERAL DAMAGE: THE EXTENT OF THE PROBLEM THAT YOU CAN CREATE BY SOLVING ANOTHER PROBLEM IS ALWAYS A BIT OF A SURPRISE.”

– Michael Free, Program for Appropriate Technology in Health (PATH)

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There was a push for major innovations in energy and water for the developing world, as those areas were thought to be the key to improving equity. Better food distribution was also high on the agenda, and more open markets and south-south trade helped make this a reality. In 2022, a consortium of nations, NGOs, and companies established the Global Technology Assessment Office, providing easily accessible, real-time information about the costs and benefits of various technology applications to developing and developed countries alike. All of these efforts translated into real progress on real problems, opening up new opportunities

to address the needs of the bottom billion – and enabling developing countries to become engines of growth in their own right.

In many parts of the developing world, economic growth rates increased due to a host of factors. Improved infrastructure accelerated the greater mobility of both people and goods, and urban and rural areas got better connected. In Africa, growth that started on the coasts spread inward along new transportation corridors. Increased trade drove the specialization of individual firms and the overall diversification of economies. In many places, traditional social barriers to overcoming poverty grew less relevant as more people gained access to a spectrum of useful technologies – from disposable computers to do-it-yourself (DIY) windmills.

Given the circumstances that forced these new heights of global cooperation and responsibility, it was no surprise that much of the growth in the developing world was achieved more cleanly and more “greenly.” In Africa, there was a big push for solar energy, as the physical geography and low population density of much of the continent enabled the proliferation of solar farms. The Desertec initiative to create massive thermal electricity plants to supply

both North Africa and, via undersea cable lines, Southern Europe was a huge success. By 2025, a majority of electricity in the Maghreb was coming from solar, with exports of that power earning valuable foreign currency. The switch

to solar created new “sun” jobs, drastically cut CO₂ emissions, and earned governments billions annually. India exploited its geography to create similar “solar valleys” while decentralized solar-powered drip irrigation systems became popular in sub-Saharan Africa.

Reduced energy dependency enabled all of these countries and regions to better control and manage their own resources. In Africa, political architecture above the nation-state level, like the African Union, strengthened and contributed to a “good governance” drive. Regional integration through COMESA (the Common Market for Eastern and Southern Africa) and other institutions allowed member nations to better organize to meet their collective needs as consumers and increasingly as producers.

Over the course of two decades, enormous strides were made to make the world less wasteful, more efficient, and more inclusive. But the world was far from perfect. There were still failed states and places with few resources. Moreover, such rapid progress had created new problems. Rising consumption standards unexpectedly ushered in a new set of pressures: the improved food distribution system, for example, generated a food production crisis due to greater demand.

Indeed, demand for everything was growing exponentially. By 2028, despite ongoing efforts to guide “smart growth,” it was becoming clear that the world could not support such rapid growth forever. •

10.1.1.3 Lock Step is Here Now it is no Futuristic Scenario³⁰

Note: Lock Step is the name of a Rockefeller scenario planning for a virus. William Engdahl is from Princeton University, US. Key excerpts: "During the last week of January the Chinese Communist Party (CCP) ordered an unprecedented lock down of an entire city of 11 million, Wuhan, in an attempt to contain a public health situation that had clearly gotten out of control. Never before in the history of modern public health had a government placed an entire city in quarantine by imposing a cordon sanitaire around it. That lock down was quickly extended to other China cities to the extent that, for the past weeks, a major part of the world's second largest national economy has shut down. That in turn is impacting the global economy...." I contemplate Melbourne's lockdown and the signing of the One Belt & One Road deal with the Chinese and the fact that planes flew in from Beijing. The question is - were they learning how to oppress an Australian city?

By F. William Engdahl
10 March 2020

Every day world mainstream news reports more people in more countries diagnosed "positive" for the coronavirus illness, now called COVID-19. As the reported numbers grow, so does widespread nervousness, often in the form of panic shopping for masks, disinfections, toilet paper, canned goods. We are told to accept the testing results as science-based. While it is next to impossible to get a full picture of what is taking place in China, the center of the novel virus storm, there is a process, being fed by mainstream media accounts and genuine panic in populations unclear what the real dangers are, that has alarming implications for the post-pandemic future.

During the last week of January the Chinese Communist Party (CCP) ordered an unprecedented lock down of an entire city of 11 million, Wuhan, in an attempt to contain a public health situation that had clearly gotten out of control. Never before in the history of modern public health had a government placed an entire city in quarantine by imposing a cordon sanitaire around it. That lock down was quickly extended to other China cities to the extent that, for the past weeks, a major part of the world's second largest national economy has shut down. That in turn is impacting the global economy.

At this point, as cases and the first deaths are being reported in countries outside of China, especially in **South Korea, Japan, Iran and Italy**, the prime question everyone has is how dangerous this virus is. The fiasco with the US CDC, where the putative tests for the novel virus were shown defective, underscores the fact that the testing for the now-named virus, SARS-CoV-2, said to cause the disease called COVID-19, is anything but 100% reliable. Despite this, influenced by a steady stream of mainstream media images of empty shop shelves in Italy, of police cordons around Washington State nursing homes said to house several presumed Coronavirus patients, of pictures of Iranian hospitals filled with body bags, millions of citizens are understandably becoming alarmed and fearful.

What is being done in city after city and country after country is cancellation of major events where many people come together. This has included the Venice Carnival, major sports events, trade shows in Switzerland and elsewhere being canceled. Major airlines are being financially devastated as people around the world cancel holiday flights, as are cruise ship lines. **China orders burning of cash notes claiming they might be contaminated.** The French Louvre reopens but does not accept cash, only cards, as paper might be contaminated. WHO warns about paper money contagion risk. Countries are introducing laws such as in the UK allowing **legal detention of citizens who might have a virus**. Growing media promotion in the West of shop shelves bare of everyday essentials such as rice, pasta, toilet paper is feeding panic buying everywhere.

³⁰ <http://www.williamengdahl.com/englishNEO10Mar2020.php>

Questions on Death Rate

It is important to have a perspective on the apparent deaths provably due to COVID-19. Here facts become very imprecise.

As of **March 3, 2020** according to WHO Director-General Tedros Adhanom, worldwide there were a total of 90,893 cases of COVID-19, with 3,110 resulting in death. He then called this a 3.4% mortality rate, a figure highly disputed by other health experts. Tedros stated, "Globally, about 3.4% of reported COVID-19 cases have died. By comparison, seasonal flu generally kills far fewer than 1% of those infected."

The problem is that no one can say precisely what the true death rate is. That's because globally we have not tested all who might have mild cases of the virus and the accuracy of those tests are anything but 100% certain. But a statement about a death rate more than three times that of seasonal flu is a real panic-maker if true.

The reality is very likely a far lower true mortality according to epidemic experts. "We do not report all the cases," says Professor John Edmunds of the Centre for the Mathematical Modelling of Infectious Diseases at the London School of Hygiene & Tropical Medicine. "In fact, we only usually report a small proportion of them. If there are many more cases in reality, then the case fatality ratio will be lower." Edmunds went on to say, "What you can safely say [...] is that if you divide the number of reported deaths by the number of reported cases [to get the case fatality ratio], you will almost certainly get the wrong answer." The WHO under Tedros seems to be erring on the side of spreading panic.

The WHO and the USA CDC some years ago changed the definition of deaths from seasonal flu to "deaths of flu or pneumonia." The CDC calculates only an approximate flu death count by totaling death certificates processed that list "pneumonia or influenza" as the underlying or contributing cause of death. The CDC estimates 45 Million Flu Cases, and 61,000 what they deftly call "Flu-Associated" Deaths in 2017-2018 US Flu Season. How many were elderly with pneumonia or other lung diseases is unclear. Naturally the numbers help spread fear and sell seasonal flu vaccines whose positive effect is anything but proven. Worldwide, the CDC **estimated in a study in 2017** that, "between 291,000 and 646,000 people worldwide die from seasonal influenza-related respiratory illnesses each year."

In China alone the estimate for seasonal influenza-associated (including pneumonia) deaths was about 300,000 in 2018. Note that 3,000 corona-attributed deaths, as tragic as it is, is but **1%** of the "normal" annual deaths from lung-related illnesses in China, and because of the mixed or changing China accounting, it is not clear how many of the 3,000 China deaths are even from seasonal pneumonia. But owing to dramatic videos, not verifiable, of people allegedly dropping dead on the streets in China, with no proof, or of Wuhan hospitals filled in the corridors with body bags apparently of dead from COVID-19, much of the world is understandably anxious about this strange exogenous invader.

Amid what is clearly confusion among many well-meaning health officials and likely opportunism by Western vaccine makers like GlaxoSmithKline or Gilead and others, with alarming speed our world is being transformed in ways just months ago we could not have imagined.

'LOCK STEP'

Whatever has occurred inside China at this point it is almost impossible to say owing to conflicting reactions of the Beijing authorities and several changes in ways of counting COVID-19 cases. The question now is how the relevant authorities in the West will use this crisis. Here it is useful to go back to a **highly relevant report published a decade ago by the Rockefeller Foundation**, one of the world's leading backers of eugenics, and creators of GMO among other things.

The report in question has the bland title, "**Scenarios for the Future of Technology and International Development.**" It was published in May 2010 in cooperation with the **Global Business Network of futurologist Peter Schwartz**. The report contains various futurist scenarios developed by Schwartz and company. One scenario carries the intriguing title, "**LOCK STEP: A world of tighter top-down government control and more authoritarian leadership, with limited innovation and growing citizen pushback.**" Here it gets interesting as in what some term predictive programming.

The Schwartz scenario states, "**In 2012, the pandemic that the world had been anticipating for years finally hit. Unlike 2009's H1N1, this new influenza strain — originating from wild geese — was extremely virulent and deadly. Even the most pandemic-prepared nations were quickly overwhelmed when the virus streaked around the world, infecting nearly 20 percent of the global population and killing 8 million in just seven months...The pandemic also had a deadly effect on economies: international mobility of both people and goods screeched to a halt, debilitating industries like tourism and breaking global supply chains. Even locally, normally bustling shops and office buildings sat empty for months, devoid of both [employees and customers.](#)**" This sounds eerily familiar.

Then the scenario gets very interesting: "During the pandemic, national leaders around the world flexed their authority and imposed airtight rules and restrictions, from the mandatory wearing of face masks to body-temperature checks at the entries to communal spaces like train stations and supermarkets. Even after the pandemic faded, this more authoritarian control and oversight of citizens and their activities stuck and even intensified. In order to protect themselves from the spread of increasingly global problems — from pandemics and transnational terrorism to environmental crises and rising poverty — **leaders around the world took a firmer grip on [power.](#)**"

A relevant question is whether certain **bad actors**, and there are some in this world, are **opportunistically** using the widespread fears around the COVID-19 **to advance an agenda of "lock step" top down social control**, one that would include stark limits on travel, perhaps replacing of cash by "sanitary" electronic cash, mandatory vaccination even though the long term side effects are not proven safe, unlimited surveillance and the curtailing of personal freedoms such as political protests on the excuse it will allow "identification of people who refuse to be tested or vaccinated," and countless other restrictions. **Much of the Rockefeller 2010 scenario is already evident.** Fear is never a good guide to sound reason.

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The Fools Gold: To predict the future, look at the past. The past creates the future! The future recreates the past.

10.1.2 A Planned Virus: President of Ghana (2020) - A Rockefeller Plan Planned Virus



Ghanaian President Describes Rockefeller Planned Virus

59 views

 YouTube

<https://youtu.be/qUC-bUU7z2I>

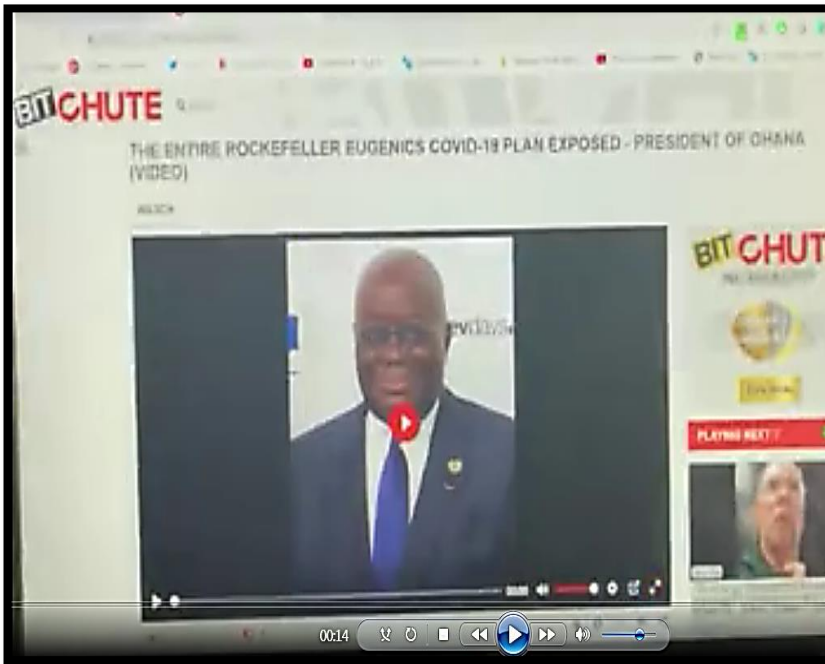


This video has been removed for violating YouTube's Terms of Service.

The video by the Ghana President is available but it is evident it has been **blocked** from YouTube. The censorship is a real issue for humanity as it is preventing information in the public interest. It is not censoring harmful content in this case, it is protecting powerful interests. This raises the issue of international law courts where the public can take to court or challenge corporations who are breaching humanitarian laws. It is clear that Silicon Valley is seeing full control over information and controlling content. This is not in the public interest. YouTube is now owned by Google (funded by CIA, NSA) which makes controlled by misinformation which has been outlined by Kevin Shipp (ex CIA) in this report. Therefore it not a neutral platform.

The Ghana President clearly is not aligned with the dominant narrative which is about an agenda not community standards.

This is the video on BitChute. Seargent Major Channel entitled **The Entire Rockefeller Eugenics COVID-19 Plan Exposed**



Steven Bannoon with Israeli News Live states: The video is from a BitCHUTE channel called **Sergeant Major**. The man in the video is the President of Ghana he is a Christian believer as well. He got hold of a document which he claims to be a Rockefeller document. He reads the document to the people to Ghana, the commentator does not know if this was for the people of Ghana or read this to a church.

The information we have been trying to verify that this is a bonifide Rockefeller document. He does say in the video that he was afraid they were going to remove the document from their website. We can attest to two things 1) We know that a lot of the information he is speaking about has happened. 2)

We know that, in the case of Deborah Tevaris she is aware of information but even when she heard this she is reluctant to speak about it as of yet without having the document to verify it. Like ourselves we believe, I can't speak for Deborah, I am sure she feels the same, we believe the information is accurate. We know from our own sources that a lot of what is spoken about in this document that he reads off, has been confirmed by our own sources in the Pentagon in Washington DC before this has been released. The information is disturbing.

Steven comments on the President of Ghana's response to Point 12 as follows:

- *Over-hype the mortality rate by tying the research strain to deaths that have little to nothing to do with the actual virus to keep the fear and compliance at a maximum (if anyone dies for ANY reason and is found they have COVID consider it a COVID death & if anyone is thought to MAYBE had symptoms of COVID to **assume they have COVID** and consider it a COVID death).*

(President of Ghana): This is what we have been hearing that a lot of the deaths... That is why the Americans are telling the Chinese. The Chinese were not wrong they were quoting the right figures but this thing was bred and brewed in American by the Americans by the depopulation agenda by the Gates, Anthony Fauci and the Rockefeller Foundation. What they are counting in America has nothing to do with COVID 19 people are died from other diseases and have nothing to do with COVID 19 but have some of the symptoms and then branded then with COVID-19 that's why Fauci could speak with confidence that there could be 200,000 deaths. Shame on him.

(Steven): When the president of Ghana made this statement there that they would make the deaths as COVID-19 we have shared with you already multiple occasions where we knew for a fact from corona (funeral) friend and doctors that we know that has actually happened. We know of a suicide for example that was listed as COVID-19. We know of lady who was not tested for COVID and died (she was) in her late 80's had respiratory, heart, and congestive heart failure they listed as COVID anyway. The suicide was the one that blew us away the most but was listed as COVID-19...

He mentions create civil unrest break down the supply chain the trucking industry that brings in the food. The civil unrest comes first, this is the racial tensions, starting the divisions between black race and white race and between other ethnic groups as well. We are all human beings we need to love one other as equal human beings.

... The President in Ghana said they are writing in a document that having the people in quarantine will weaken their immunity system and they wanted to do that intentionally.

...Notice what he said in the document according to the President of Ghana the Rockefeller document states when they lock you back down in October/November they will blame it on those who were resisting the lockdown. Make you look like the bad guys.

...They will have a third strain which will have a 30% mortality rate and this is to really scare those who were not compliant to come on the side of those they have already convinced to be compliant. Every single aspect is a plandemic they have planned this from the beginning.

...imagine if Donald Trump stood like this man here has stood, that is a real president of a nation. A man that stands for Jesus Christ, not ashamed of his name and declares the truth to his people. God bless the president of Ghana.

Anyway friends I trust this is a blessing to you we have, we hesitated in releasing this at first we wanted to verify this document he has read, we could not verify it for sure. We want to thank Sergeant Major for releasing this on his Bit CHUTE page. This is the voice of the President of Ghana. Would love to interview him on Israeli News Live.

This is what the President of Ghana read out.

COVID19

Does COVID-19 originate from Nature and from causes such as pollution, over-population, contamination and other causes?

OR

Is COVID-19 a carefully crafted and released biological weapon/s being used to cause havoc, shut down and control the economic system, remove basic human rights, force citizens to rely on the government, force the ingestion of tainted vaccinations and other controls so as to surreptitiously usher in the New World Order of enslavement, rather than the people choice of world administration / organisation by consent?

You are invited to read and maybe print it out or copy it and see if any of this has actually been happening, and will happen. Perhaps everything written below is all rubbish and fake also, in which case, it may make for an interesting storyline for a sci-fi film. Time will tell no doubt.

The President of African country Ghana has read out of Youtube the statement below and he claims it is a PDF document from the Rockefeller Foundation's website about the Plans made for the COVID-19 pandemic or Plandemic. Make up your own mind.

- Create a very contagious but super low mortality rate virus to fit the needed plan (SARS/HIV hybrid research strain created at Fort Detrick class 4 lab from 2008-2013 as part of a research project to find out why coronavirus's spread like wildfire in bats but have an extremely hard time infecting humans (hence the 4 HIV inserts, aka the missing key to infect the human ACE-2 receptor)
- Create a weaponized version of the virus with a much higher mortality rate as a "BACKUP plan" ready to be released in phase 3 BUT ONLY IF NEEDED (SARS/HIV/MERS weaponized tribrid strain created at Fort Detrick class 4 lab in 2015)
- Transport the research strain to a different class 4 lab (National Microbiology Lab in Winnipeg Canada) and have it stolen and smuggled out by China (Shi Zhengli) on purpose and taken to China's only class 4 lab (Wuhan Institute of Virology in Wuhan China) for added plausible deniability and to help cement the wanted BACKUP public script as something to fall back on IF needed (primary script being its natural, backup script being that China created it and released it by accident)
- Fund all the talking heads (Fauci/Birx/Tedros...) and agencies (WHO/NIAID/CDC/UN...) that would be involved with pandemic response prior to the planned release of the research strain to control the wanted script throughout the operation.
- Create and fund the vaccination development and roll-out plan so its capable of being rolled out on a global scale (Gates - Decade of Vaccines: Global Vaccine Action Plan, 2010/2020)
- Create and fund the vaccination verification/certification protocols (Digital ID) to enforce/confirm the vaccination program after the mandatory roll-out is enacted (Gates - ID2020)
- Simulate the Lock Step hypothesis just prior to the planned research strain release using a real-world exercise as a final wargame to determine expected response/timelines/outcomes (Gates - Event 201, Oct 2019)
- Release the research strain at the Wuhan Institute of Virology itself and then blame it's released on a natural scapegoat as the wanted primary script (the Wuhan wet market, Nov 2019)
- Downplay the human-to-human transmission for as long as possible to allow the research strain to spread on a global scale before any country can lockdown/respond to avoid initial infection

- Once a country has seed infection in place, lockdown incoming/outgoing travel but keep the transmission within the country spreading for as long as possible
- Once enough people in a country/region are infected, enact forced quarantines/isolation for that area and expand the lockdown regions slowly over time.
- Over-hype the mortality rate by tying the research strain to deaths that have little to nothing to do with the actual virus to keep the fear and compliance at a maximum (if anyone dies for ANY reason and is found they have COVID consider it a COVID death & if anyone is thought to of MAYBE had symptoms of COVID to assume they have COVID and consider it a COVID death)
- Keep the public quarantined for as long as possible to destroy the region's economy, create civil unrest, breakdown the supply chain, and cause the start of mass food shortages, as well as cause peoples immune system to weaken due to lack of interaction with other people/bacteria (the outside world... aka the things that keeps our immune system alert and active).
- Downplay and attack any potential "treatments" and continue to echo that only a "cure" is viable to fight this virus (aka a vaccine)
- Continue to drag out the quarantine over and over and over again in 2 week intervals) causing more and more people to eventually stand up and protest/defy them.
- Eventually end the phase 1 quarantine once they get enough public push-back (June 2020), and publicly state that they still think it's "too early" to end the isolation but are going to do it anyways.
- Once the public go "back to normal" wait a few weeks and then continue to over-hype the research strain mortality rate (Aug-Sept 2020), and combine it with the increase in deaths due to people dying from standard illnesses at a higher rate than normal due to having highly weakened immune systems from months of being in isolation, to help further "pad" the mortality rate and hype the upcoming phase 2 lockdown.
- Eventually enact phase 2 quarantines (~Oct-Nov 2020) on a even more extreme level and blame the protesters (mostly people who don't trust their government already for the cause of the "larger" 2nd wave (we told you so, it was too early, this is all your fault cause you needed a haircut, your freedoms have consequences...)).
- Enforce the phase 2 quarantine at a much more extreme level, increasing the penalty for defiance (replace fines with jail time). Deem ALL travel as non-essential, increase checkpoints (including military assistance), increase tracking/tracing of the population (mandatory apps), take over control of food/gas (large scale shortages) so that people can only get access to essential products/services if they are FIRST given permission. Anyone who defies them appear as public enemy #1 to those who are willing to submit.
- Keep the phase 2 lockdown in place for a much longer period of time than the phase 1 lockdown, continuing to destroy the global economy, further degrade the supply chain, and further amplify the food shortages, and alike.
- Quell any public outrage using extreme actions/force and make anyone who defies them appear as public enemy #1 to those who are willing to submit.
- After a rather long phase 2 lockdown (6+ months), roll-out the vaccination program + vaccine certification and make it mandatory for everyone (giving priority access to those that submitted from the

start), and have those that are for it attack those that are against it saying they are a threat and the cause of all the problems (we can't go back to normal until EVERYONE takes the vaccine... people defying them are hurting our way of life and therefore are the enemy).

- If the majority of people go along with the agenda then let those people enter the new system (new normal) while limiting the minority that defy the agenda's ability to work/travel/live.
- If the majority of people go against the agenda then release the weaponized SARS/HIV/MERS tribrid strain as phase 3, a virus with a 30%+ mortality rate as a final scare to push the minority to quickly become the majority and give a final "we told you so" to those that didn't listen.
- Enact the new economy model (Microsoft patent 060606 - Cryptocurrency System Using Body Activity Data) which is based on human behaviour and willingness to submit (tweaked version of Black Mirror "Fifteen Million Merits") using food/water/shelter and other essentials as a weapon of enforcement of the new economic system. Basically do what we want and get rewarded (gain credits/score and gain more access to things you need to survive) or go against what we want and get penalized (lose credits/score and lose access to things you need to survive).

...Welcome to the New World Order. And I would like to add that if anyone thinks that this isn't true then check out parts of China, they already have the cryptocurrency system in place in certain areas

10.1.3 David Icke – The Answer to Problem-Reaction-Solution

Note: Refer Video

The excerpts below are from a video called "The Answer" David Icke has just released to provide the public with insight into how big the problem we confront is. When we remain in ignorance we will not know what to think and have no ability to defend ourselves in our own interests. Ignorance and division between us has been part of the strategy to ensure obedience rather than happiness.

At the end of the day each has to find The Way to their truth and act on it nonviolently. This report is an example of taking responsibility for events that impact personally. This became the author's business when *homeless* in a shutdown society where there was no way to house sit or move around or even camp in a park, as fines were applied. The shutdown threatened survival of the most vulnerable who already know restrictions, poverty and social isolation. The face masks were the signal that depth research had to be done as this was a mild virus (less than the flu) and people were being forced to wear masks (lower oxygen, breathe microbes, lower immune system) and were not allowed into the sun (Vitamin D) for more than 1 hour a day. A homeless person would not be able to beg for money for food or see a friendly smile. The police were exhibiting totalitarian approaches and then stating it was for public health and safety. This was untrue. The official story was not accurate.

David has stepped out of the comfort zone when he spoke his truth as many went into denial. There can't be a global cabal! He challenged the official story of who we are. As a result he confronted ridicule, put downs, threats, censure, conspiracy theory nut and so on. Yet he stayed with his truth and it has awakened a global following of 7 million or more who are waking up to the fact that what is happening is not democracy and it is not freedom.

What if the one who brings to you what you don't want to hear, an inconvenient truth, is the doorway opening to where you need to go. This is not to be compared to Al Gore's film Inconvenient Truth as the Climate Change narrative is Agenda 2030, another decade event that is designed to implement the New World Order (Great reset) orchestrating a climate of great change.

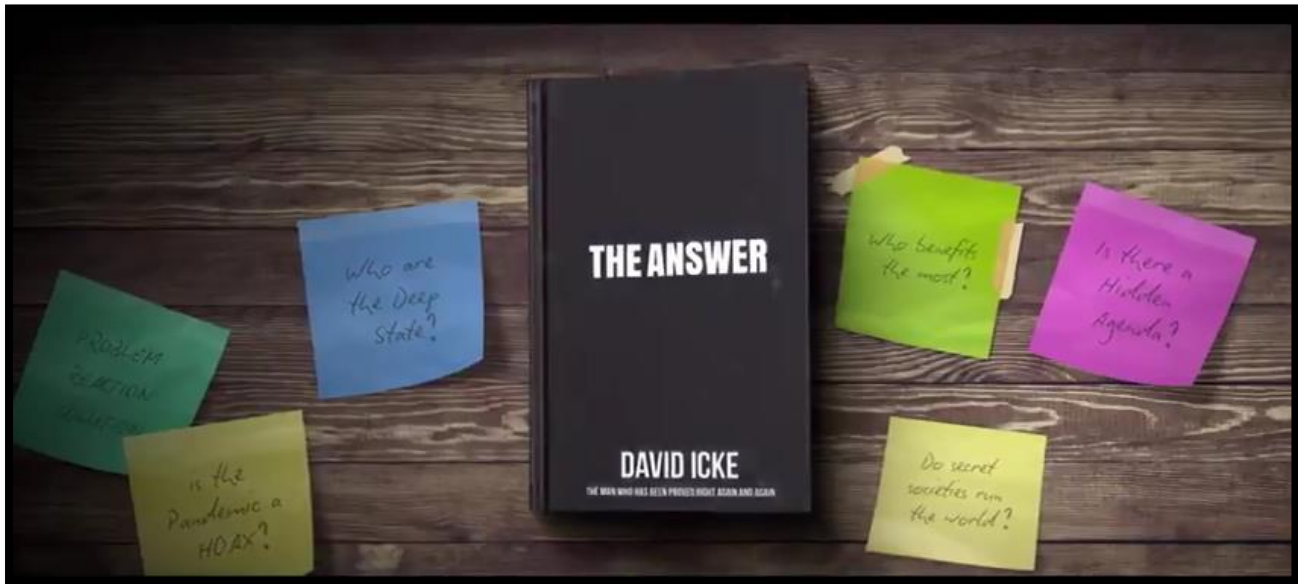
We are facing our fear at this time. Do we let fear run us or do we embrace the love that brought us many answers in order to empower us to live to the full potential of who we are.

The author has lived in severe poverty, has been socially isolated, has been shutdown, legally suppressed, witnessed corruption, saw the failings of regulators, experienced no rights in welfare system. The author has travelled into war zones, witnessed oppression, human rights abuses and seen the consequences of unchecked corporate power. The life experience was a form of *preparedness* for this major war against civil liberties and human freedom, and in a sense, already lived in this Brave New World scenario. Empowerment came from researching the truth of matters to be clear.

The Way is shown when people are open to a new way "that works". How do you know it is The Way? You feel happiness. The Way is a return to *who we really are* (beneath the programmed mind) and it is simply placing one step in front of the other like a Fool. Just keep walking, stay in integrity, do not lie and make sure your words do no harm. The words may challenge unquestioned norms but respect everyone must walk their path. So for those who disagree with all this information that is to be respected, as this would not be for them. It is for those who resonate and know this is true for them. Facts can be manipulated, but truth is felt. You know what is true for you. So follow *you* not anyone else. Every person knows The Way.

Peace is the inner feeling that respects every ONE knows their own Way.

Next article is David Icke's Answer.



- People find it hard to accept a few people could orchestrate a global pandemic hoax.
- When we understand the structure of how the world is controlled it becomes relatively straight forward.



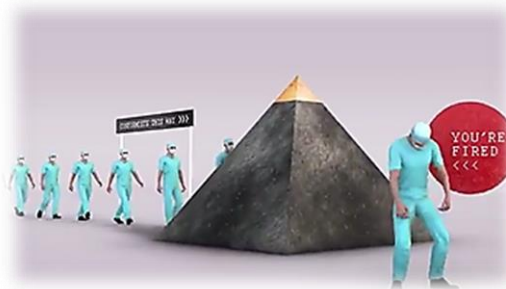
I've talked for decades about a global cult or the 1%.



- At the centre of the web, and this is in the shadows. You have what I call the spider. This is the inner core of the cult that is driving the direction of the world. In each country they have a subsidiary network certain families, secret societies. Their job is to impose the will of the centre, the spider, dictating policy in virtually every country.
- In each of three subsidiary networks on a national level you have the pyramids of government and politics, banking and finance, pyramids of media ownership and pyramids of the medical system.



- So if you take health policy the few at the top in each country are dictating how doctors and the rest of the medical profession have to act what they have to do. The medical profession following overwhelming unquestioningly. Those who do question and rest find their careers in serious trouble.





- The top of these pyramids in each country answer to the same master globally, the spider. The will of the spider is dictating what the policy will be right across the world. Just the people at the top impose it on the pyramid structure in its entirety.
- So if we look globally at this pandemic. First of all forget borders, this cult does not have borders, they are for the public, it is global and operates globally.
- One of its biggest centres is China. The cult was behind the Chairman Mao revolution that turned China into this fascistic, communistic, same thing really, tyranny.
- What they have done behind the walls of that tyranny is incubate a system they want to play out globally.
- China has become a fiercely controlled country not least controlled via technology with millions and millions of face recognition cameras which allow the Chinese authorities to find anyone, often literally in minutes in real time.



- In the West, until now, they have had to pay some lip service to *freedom and democracy*. Only in theory. They have up to this point had to hide behind that *propaganda*.
- The West has been able to move, until now, slower than China in terms of rolling out this fierce, draconian, Orwellian, fascistic control system.
- In China the authorities decide what will happen and it happens, there is *no democracy* or lip service to freedom to have to deal with. In China it has moved faster.

- The time has come where the **cult wants to play out the Chinese model of control right across the world.**



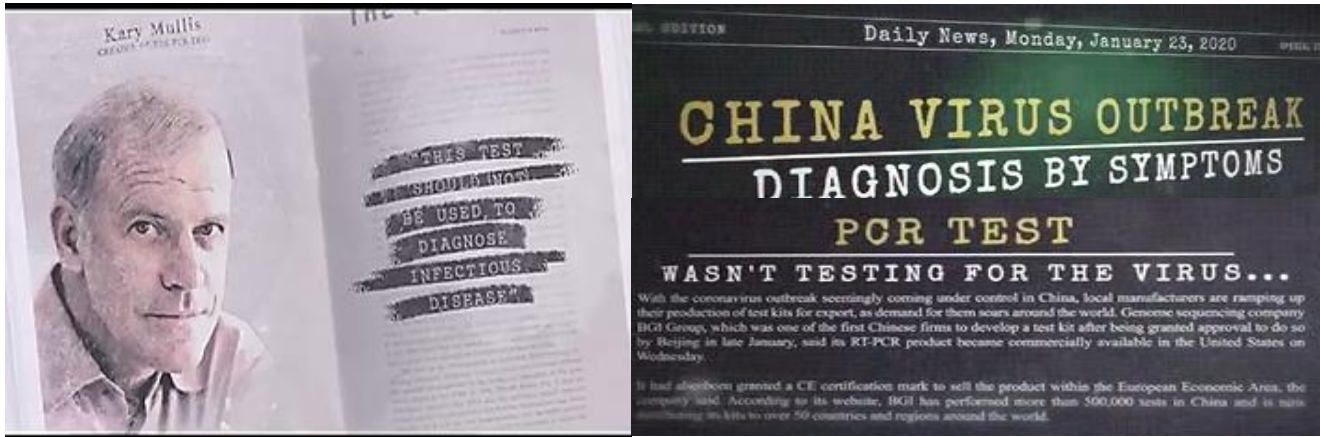
- Ask yourself what has the West become more like since this pandemic Hoax? China, and becoming more so all the time. This is how the pandemic, or what has become known as the pandemic was played out.



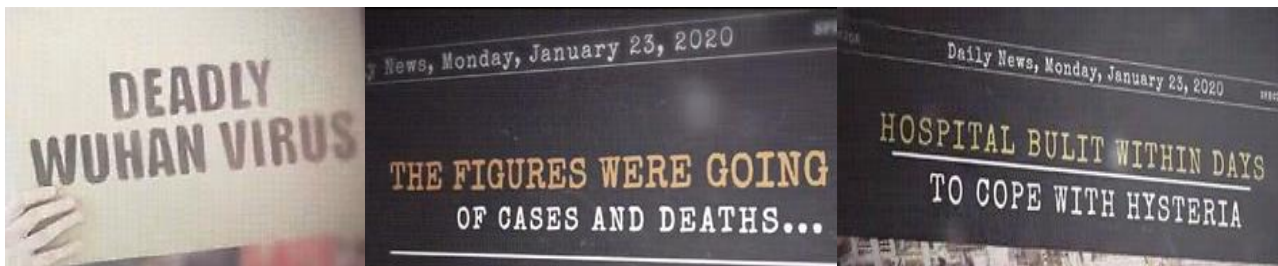
- First of all you have people taken ill in Wuhan China. People ill in Wuhan is extraordinarily common because Wuhan has appalling toxic air which generates a lot of respiratory problems. So when these first people started showing symptoms of illness. A handful of them were tested, they took lung fluid and *decided* it was caused by a virus.



- They **never isolated and purified** it in and of itself without any other contamination or genetic material.
- Now if you are going to prove that a virus exists, and you are going to prove that the virus causes an alleged infectious disease. Then purification and isolation of that viral material is an absolute solid gold foundation, must do, it's never been done.
- What you then had in those early days is COVID-19 being *diagnosed on symptoms*, what were the symptoms? Flu like symptoms, respiratory symptoms in Wuhan, are you having a laugh. Symptoms that were coming from other sources, were redesignated, this virus they never isolated, purified or shown to exist.
- They then start developing the **PCR test**, the creator of the test called Kary Mullis in the 1980s actually said "**this test should not be used to diagnose infectious disease**". That is exactly what has happened ever since.



- So now they started adding to the diagnosis by symptoms with a PCR test that wasn't testing for the virus they were claiming to exist it was testing for the **RNA genetic material** that was found in the lungs of those people that has **endless other sources and possibilities** for why it is there.
- **The key was the response.** They *wanted* to have the Chinese response of a fierce, draconian lockdown to be the response of the rest of the world.



- The *figures were going up* of cases and deaths. The cases were coming from assumption of symptoms, and the test not testing for the virus and the deaths were coming from this redesignation and the numbers went up. They were *building hospitals* in a matter of days to cope with the hysteria and the crisis. People were shown on video just collapsing in the street.



"Have you ever seen anyone collapsing in the street in the West from the same virus?"



- So they locked down these areas of China with absolute *tyranny and inhumanity* and the numbers very quickly started falling. When you are controlling your numbers with your *diagnosis* and your *test not testing* for the virus. It is very easy to push the numbers up then push the numbers down. Suddenly these hospitals in next to no time, that were built to cope with the crisis, they were shut.



- You had the **World Health Organisation** via its Bill Gates *controlled* Director General Tedros who has been on the *payroll* of Gates Organisations.
- He comes out and says "*China is the way for everyone else to respond.*" Gates came out and said something similar. Gates has been the second biggest funder, second only to the United States, of the World Health Organisation. If Trump carries through his threat to *stop* funding the WHO then Gates will be the biggest funder. He owns Tedros the Director General.
- So then we start moving into the West the same process unfolded. As people were told and the medical profession were told, *this virus is spreading*. They started diagnosing it on the basis of symptoms, just like in China. They introduced the PCR test and it is not testing for the virus they say it is testing for. The death numbers did not match what we were told about the deadly nature of this virus, China was still a long way a way in the minds of most people in the West. It was still somewhere on the other side of the world.



- What the cult needed was a Western example to **frighten the hell out of Western people**. They needed a Covid-19 crisis that Western people could relate to, whoa if it happened there it can happen here.
- **They chose Italy**, an area called Lombardy, it is notorious for its toxic air and its respiratory disease just like Wuhan and the country as locked down.
- The official government figures **revealed that 99%** of people said to have **died** from COVID-19 had one or more other morbidity (reasons to die) and **everyone was now designated COVID-19** and there seemed to be a crisis. When old people were dying of things that old people have always died from in that area.



- And a **Health spokesman** for the Italian government would later come out. To say that actually we were *"generous on designating deaths as COVID-19"* in his view in truth **only about 12%** of the people said to have died, died from COVID-19. And yet the *media were full of hysteria* to frighten the hell out of Western people.



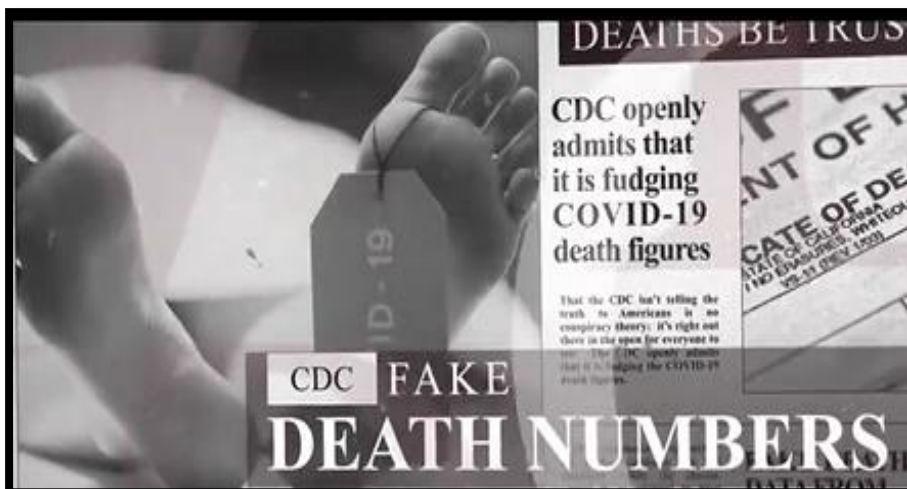
- So in **different countries** the same process unfolded. You had dark suits, not even politicians, driving the policy. Politicians are saying we've been **guided by the science**. Who are the scientists?
 - We'll in Britain you have **Chris Witty the Chief Medical Officer** who has big financial connections to Bill Gates.
 - In America it was **Anthony Fauci and Deborah Birx** that have big financial connections to Bill Gates.
 - Because they **didn't have the death numbers**, they had to produce projections to justify the lockdowns which were in the plan from the start the Chinese response.



- So then along comes Professor Neil Ferguson and Imperial College in London. Big financial connections to Bill Gates.
- With **computer models** projecting ludicrously, anyone could see it at the time, that half a million people could die in Britain from this "virus" and up to 2 million people in America. As a result of that the countries were locked down because the computer modellers said *if you don't have lockdown this is what is going to happen.*



- **Lockdown has since killed far more people than any virus**, even if you believe it exist. It has **transformed human society** and it's been done by this **global web** which operates in every country and it controls the pharmaceutical health pyramids, in each country, and **the few at the top have had the same policy driven at the centre of the spider**, which includes being told, almost anything that moves, COVID-19.





- To the point where in the United States they even **introduced financial incentives**, so a hospital that diagnosed someone as regular pneumonia got \$4,600 but you designate someone with the same symptoms COVID-19 pneumonia you get **\$13,000** and if you put a COVID-19 pneumonia diagnosed patient on a ventilator you get **\$39,000**. So many put on ventilators for no reason have died.
- So that is the structure how this plandemic, officially pandemic **hoax has been played** and it is what is driving the policy day by day to **transform human society** into what they call the new normal, the great reset, the great scam to **transform life on earth**.

10.1.4 COVID-19 was a Prepared Plan to Implement a New World Order

Note: Refer Video

The video provides the best overview of pre-planning and the subsequent experience of using COVID-19 to implement social control. This is not about health, this was about power. This is a long term plan as is clear from the Rockefeller Lock-Step Plan, Resilient Cities, Silicon Valley Smart Cities and the Rothschild's control grid. This all happened around the time that paedophilia was hitting the news. COVID-19 completely reset the agenda away from arrests to the New World Order. It is about a new society where the population WILL BE reduced by anything up to 90%. The virus was lab created and it has been a psychological operation with top intelligence involved. It has been an incredible experience to observe power in plain sight. To hve the myth of democracy evaporating as a result of a coordinated decision to collapse the world economy. We read and watch videos on the Second World War, on fascism, dictatorship to find ourselves experiencing those things we believed our world had learned from. The dark side of humanity is surfacing and there are a small group who know they cannot win. The reason is simple, they fight not people but nature and nature cannot be destroyed, like the law of thermodynamics, energy transfers and life seeks out homeostasis. Even if the human genome is edited to catalyse extinction, life appears on other planets. What or who rebalances with nature will survive. It is going to be a hard awakening for some. Yet it is better to be awake than asleep. The journalist that produced this video did an excellent job to illuminate the truth and help civil society see others did protest that no matter information control and propaganda, somehow truth will surface to meet what is not true. Truth is sustainable deception is not, it will eventually unravel as more are waking up.

(Source) Happen Network video

Transcript

- March 11, 2020 WHO declared outbreak of SARS-Cov-2
- Note the gentleman on WHO direct or Tedros Ghebreyesus right is a global leader involved in the World Economic Forum Event 201, a simulating the Coronavirus pandemic on October 18 2019.
- He is from Ireland, his name is **Dr Mike Ryan, is role is WHO Health Emergencies Program. He is the planner of the global response.**
- Dr Tedros is not a medical doctor.
- Notice one other logo above WHO – the Times logo is behind him. A sponsor?



- All three are looking at their notes. These are not their words.



Quote: Dr Tedros Adanom Ghebreyesus:

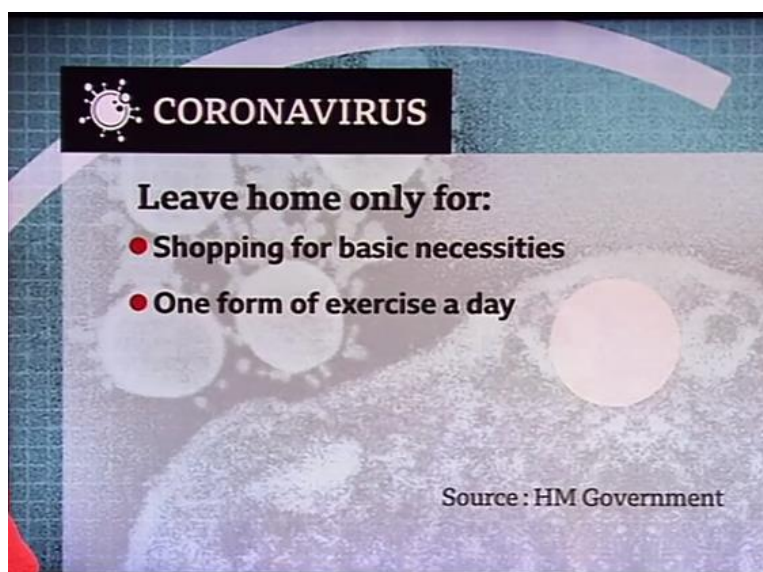
"COVID-19 can be CHARACTERISED as a pandemic"

Note: *The language of characterised is simply saying the symptoms can be a pandemic. If this is the case we are in an endless war on pandemics now.*

He did NOT say SARS-CoV-2. He is saying coughs, sore throat, shortness of breath, respiratory problems and headaches are a global pandemic. Which they are. Thus COVID-19 is not a virus it is symptoms.

No mention of terrorists anymore. Perhaps terror is the symptom of the real pandemic of a pathological detachment for the real wellbeing of humanity.

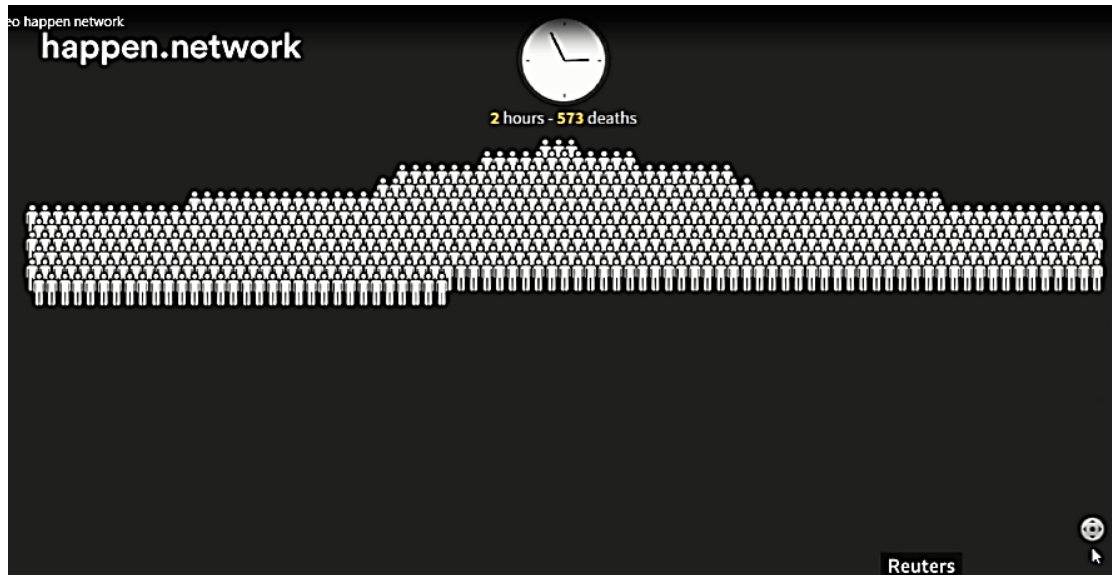
- Since then locked down 4 times



Boris Johnson: "I must give the British people a very simple instruction – you **MUST** stay at home."

Note: Boris Johnson was the former Lord Mayor of the City of London. This means he worked for the illuminati. There is a career path. There are issues of paedophilia and compromised politicians.

Daily death tolls:



- *Note: Reuters is the source. They were sold before the pandemic. They are not neutral.*



- BBC anchor reads "Death tolls stands at 3,605".
- Refused medical treatment
- (BBC is compromised as well)

Note: the line underneath that this is happening in NY and they have to cover faces when outdoors. (This is how the messages are reinforced subtly)

- Coronavirus is having a devastating effect on cancer treatment (how is this health if people die?)

- Curfews



- "Boris Johnson will tomorrow institute a 10 pm curfew on pubs up and down the country"



- We've had our businesses closed.



- We've lost jobs



- The man starts screaming as he is feeling traumatised by the police. Their masks make them look like bandits. It is interesting they don't wear surgical "health" masks. This is oppression.



(Commentator)

We've been restricted from seeing our loved ones (the old lady behind the glass is taken away when the daughter is saying:

"hang on a minute don't take her away (knocks on the window get louder) don't take her away."

They take her away and close the curtain on the daughter knowing she is upset. That behaviour is stepping over a line and saying this daughter has no right to her mother when the mother is in a institution. That is a boundary being crossed.

Note: no respect or empathy. This is not healthy.

- This young girl Beth suicided from isolation.



- *Note: Loneliness as social isolation is not natural to humans it is more like torture. In prison people are put in isolation to make them suffer.*

- Forbidden to protest (*are the police protecting the public?*)

"you cannot tell me any law that I've broken"



Note:

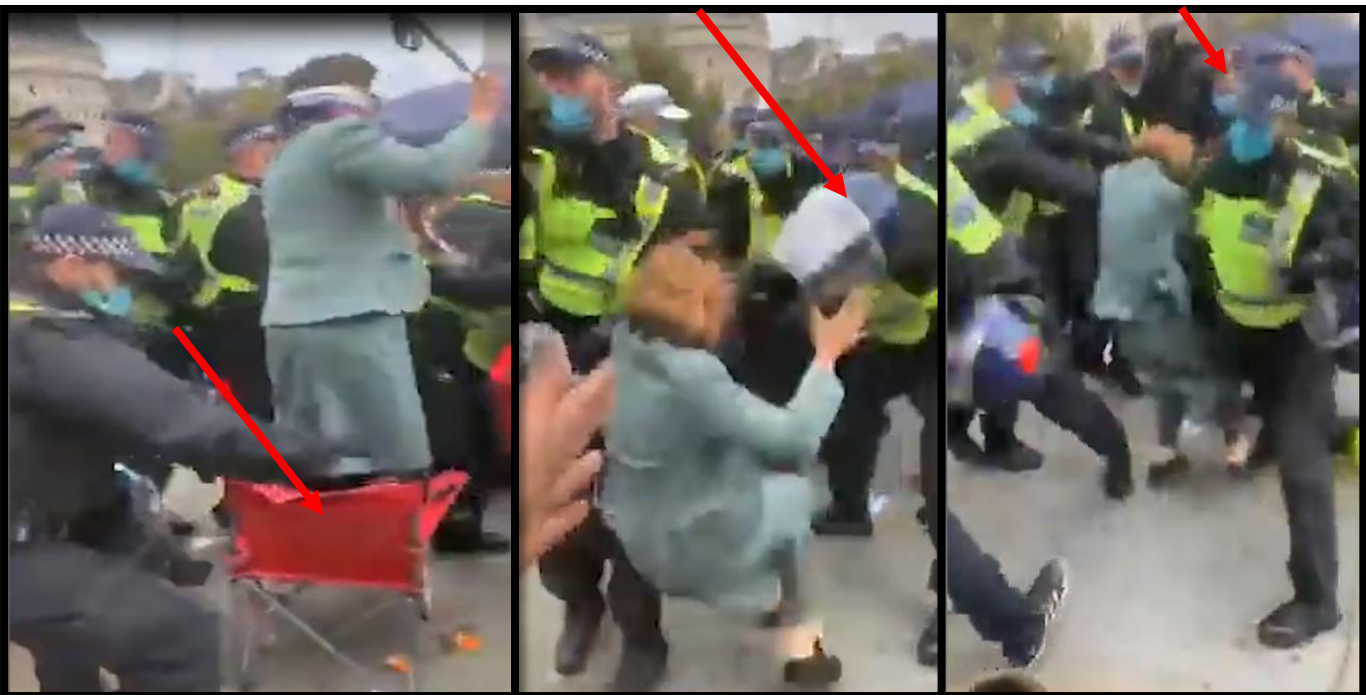
Look into his face, that is hurt, he doesn't understand. He is staring deeply into the policeman's eyes as a human to read the policeman's truth.

The police are witnessed by the public (who identify with the man) breaking important codes of trust.

People's belief in the legitimacy of police is being changed (by WHO?)

The police are being used in tyranny.

- We've been assaulted (and not hit back, the police were brutal)



- Note: *The World Economic forum speaks of **western values being tested to breaking point**. They are not western, they are basic decency. This woman was standing on a chair. The policeman deliberately ran up and pulled the chair hard out from under her. She lost balance and hit the ground hard. In the last scene she went into the crowd and it is clear on slowing down the footage that the policeman is hitting her hard which flung her again. This is assault. We saw this same conduct in Melbourne.*

- *Google and Accenture attended a police conference about surveillance months before. This may be how they try to frighten people into compliance but they will not succeed. Values are strong, we are born with them. This is not China. This woman was flung around like a rag doll. A man's voice behind yelling "hoy" he is reacting to social codes of respect being broken before his eyes. This is thuggery. He "screamed" when she hit the ground. This is how they challenge "values", as they dismantle the Magna Carta. This is how they destroy the police, who are foolish accomplices. There are lessons for them as well about blind compliance and pay offs.*



This politician witnesses a woman being dragged off by police (notice the women are being targeted to affront western values of respect for women). He says: *"what a disgrace you must have mothers... what an outrage"*. The police take her away. He walks away disgusted.

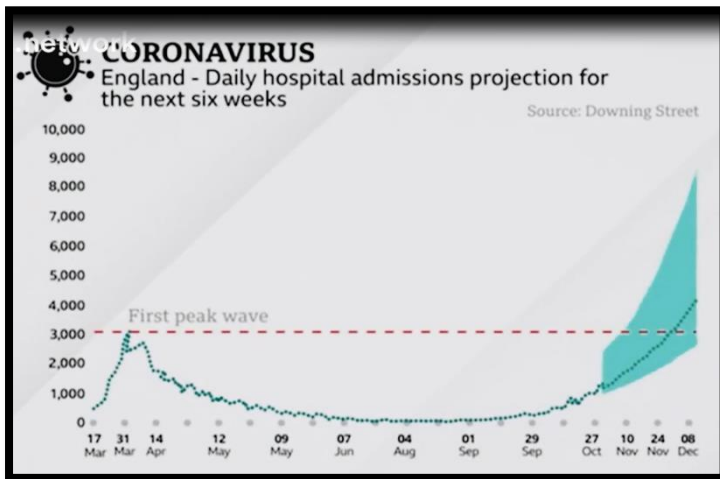


- As a politician at Westminster he says: *"she was an old lady robbed of her dignity"*

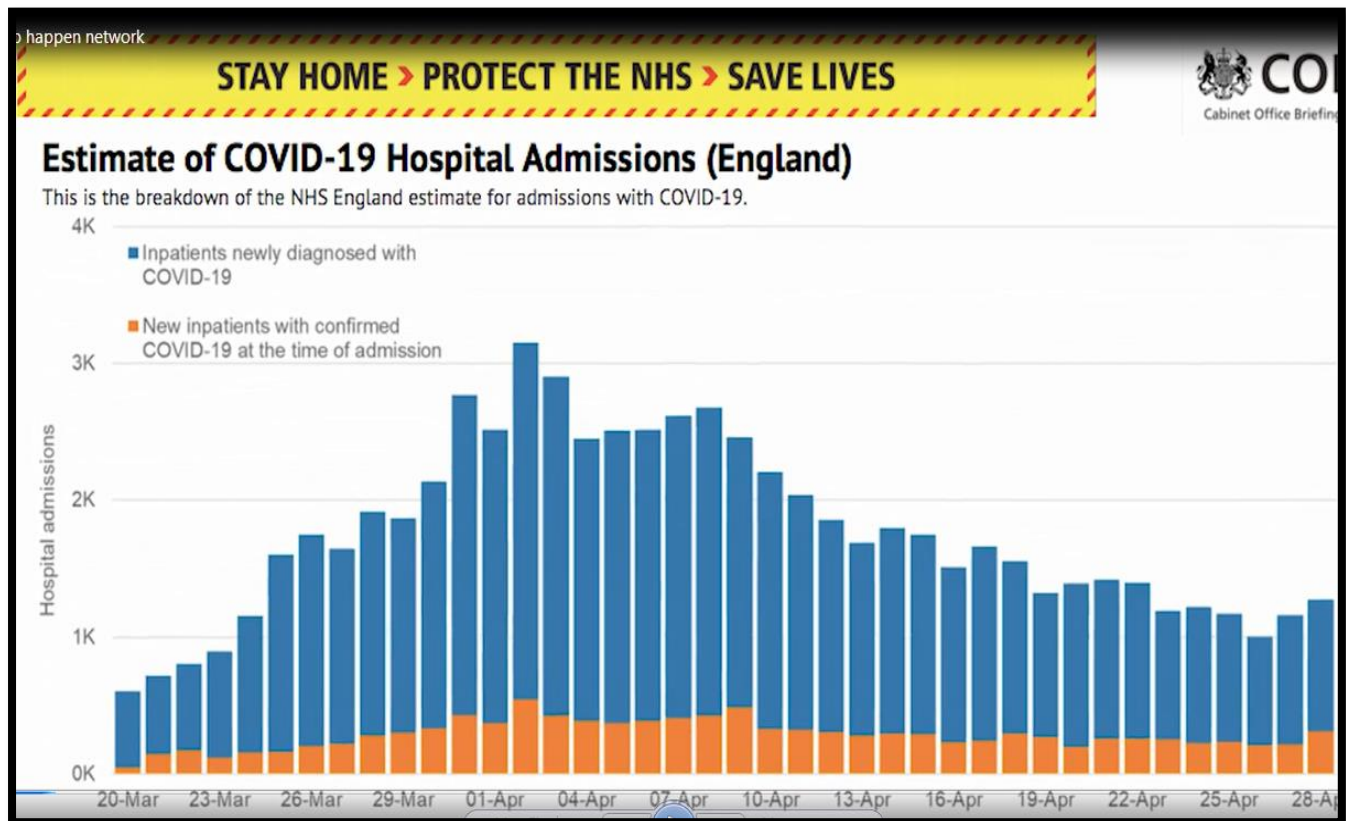


- *Note: This old lady is a protestor. We didn't see her on Australian T.V. Note the police and how ridiculous the Masks are. The virus is mild it will not kill the majority. So do they comply or wake up! Group think and obedience is the lesson.*

- *Note: the source is Downing Street, residence of the Prime Minister. In Australia the Prime Minister is not in the Constitution, is that the same for the UK? Can the source be neutral given business interest?*



- (Commentator) All this has been imposed using **bad data**. (Note: will a technocracy use good data?)
- These are daily hospital admission PROJECTION for the next six weeks, **not actual data**. The information is **impressions** not fact. This is how misinformation is used by allegedly accurate sources.
- Carol McGiffin (broadcaster): discusses "the ONS data came out and said it had been downgraded so the lockdown was based again on **dodgy numbers**"



- Notice the heading: **Estimate of COVID-19 Hospital Admissions** (England). The graphic immediately gives the impression of 3,000 COVID-19 admissions, most people are not statisticians. This presentation creates panic.
- The **diagnosis is on SYMPTOMS** (COVID-19) not the virus associated SARS-CoV-2. (Remember it has not been isolated, PCR doesn't pick it up, so what is confirmed...symptoms)"

- **Blue** – inpatients **newly diagnosed** with COVID-19 (symptoms: cough, sore throat, headache etc)
- **Orange** - New inpatients with **confirmed** COVID-19 at the time of admission
- Both are at the time of admission – how are some newly diagnosed and how are some confirmed? The PCR doesn't pick up SARS-CoV-2.
- False infection rates according to the narrator.

False Test Results

Note: The pink tie and badge match. The badge says NHS. Pink is soft, caring... (SOCIAL CARE). Yet he has shares in a biotech company, he is a compromised person.



Sky News Interviewer with Matt Hancock UK Secretary of State for Health and Social Care

Journalist: "According to a report in the Times 30% of test results give false positives"

Hancock: "the App will only tell you to self isolate if you've been in close contact with somebody who has tested positive." (Note: control by AI)

Journalist: "They could be false positives"

Hancock: "Well you will have had to be in close contact with somebody for it to tell you to isolate..." (he is relying on artificial intelligence to make the decision to avoid the real question)

Journalist: "...But the test in itself might have been a false positive."

Note: The author of this submission was forced into hotel quarantine because of an arbitrary decision to call Melbourne a hotspot. I had no symptoms no illness. I had to pay \$1,700 when I am on low income, I was not around anyone who had any COVID symptoms. Yet because I drove from a city of 4 million, the area was called a hotspot, they felt justified in assuming I was a biosecurity threat, when I was not. I offered to be tested, they didn't test me).

Inflated Mortality Rate



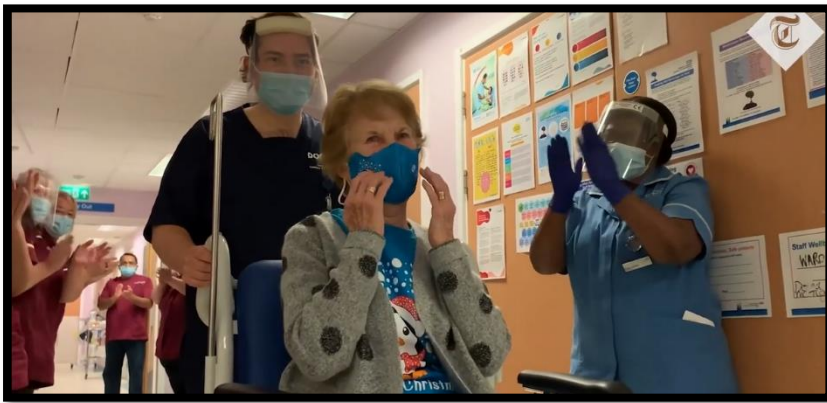
- *Note: 104 UK deaths. John Hopkins is the underlying by-line stating - Global confirmed coronavirus cases top 200,000. Note they are not saying SARS-CoV-2, they are saying now coronavirus which is the common cold. Johns Hopkins University were the ones who sponsored the World Economic Forum 18 October 2019 into a coronavirus simulation of a pandemic. They are clearly not a neutral source. If the patents are coronavirus then COVID-19 is symptoms of a coronavirus (anyone). They make money?*



- **Dr Mike Yeadon** (former Pfizer Chief Scientific Adviser): "The definition of a *coronavirus death* is someone who dies for any reason within 28 days of positive tests."
- *Note: This definition is inaccurate, it is not someone who dies for any reason given a positive test (given tests are inaccurate). It is someone who has contracted SARS-CoV-2 and this is expressed in symptoms inclusive of shortness of breath and inflammation of the capillaries, the other symptoms can be other diseases.*

First Vaccine shot

- **Commentator:** "...Now they have accelerated the release of a vaccine but will life return to normal?"
- First COVID-19 shot an old lady, the most vulnerable.
- *Note: the Times logo. Note applause by staff as if she is cured. She is not. The treatment is a RNA medicine, it inhibits pathogens, it is not an inoculation. Some have died from the experimental vaccine where humans are the trial not a proper process. Humans are guinea pigs.*

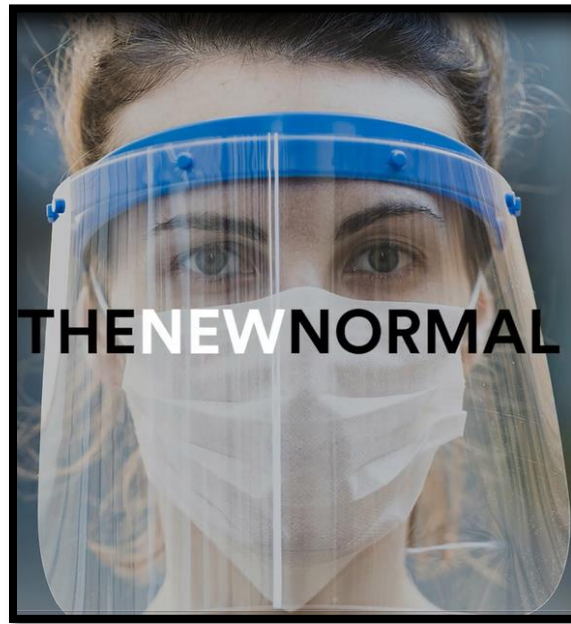


- *Note: UNDER FIRST VACCINE GIVEN: William Shakespeare, 91 is given the second Covid-19 jab. You have to laugh at the name. William Shakespeare was famous for plays 'to be or not to be'. The Health Minister Hancock is smiling then crying. Maybe he is a good actor or over actor. Have to laugh. He is so touched!!*
- *ITV host: "just simple words there you're reaction to it (lady in wheelchair)you are quite emotional about that..."*
- *Hancock says: "it has been such a tough year for so many people and we can get on with our lives"*

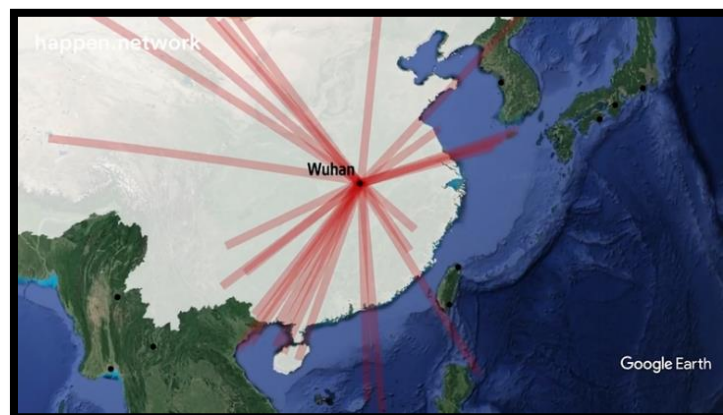
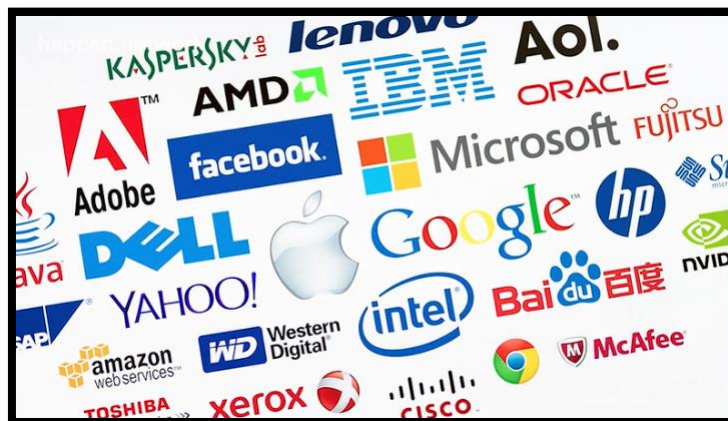
- (Commentator) Will we see a new normal a world with harsh tyrannical rules governed by a centralised totalitarian state?



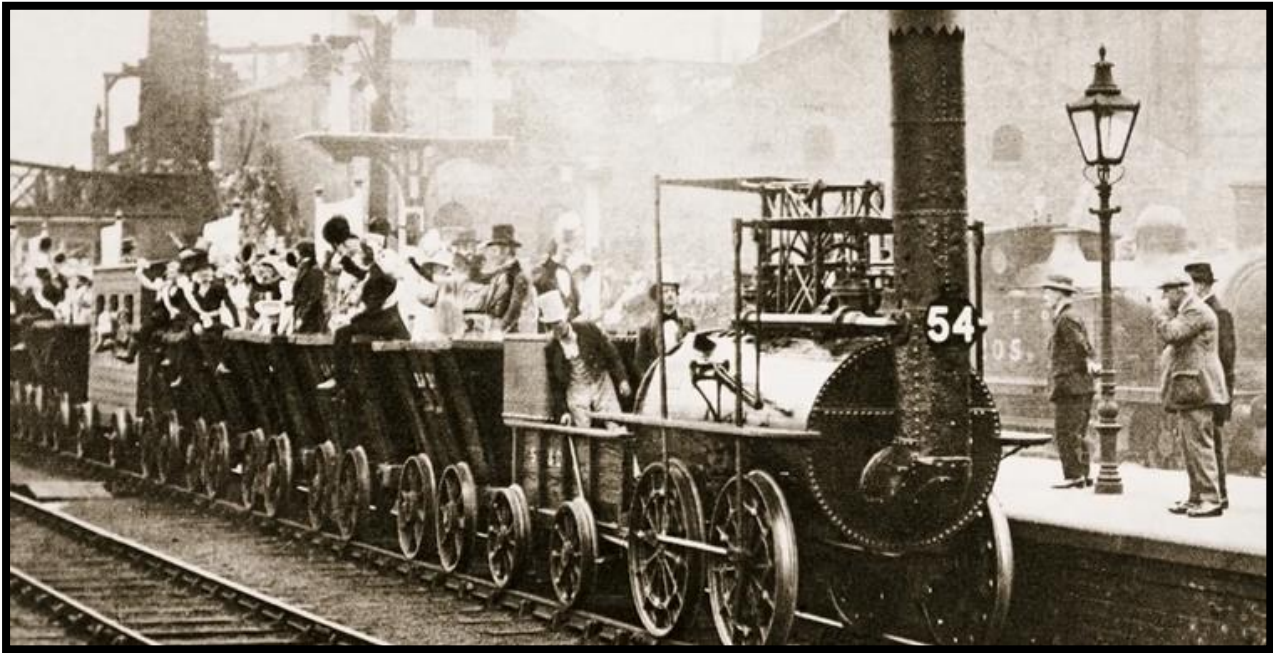




- Since Covid-19 has been declared a pandemic many are speculating that it has been **planned by a group of tech elites who are dictating to governments globally** do these ideas carry any weight and what might their motives be for orchestrating a global pandemic.
- (Images of Bill Gates, Mark Zuckerberg, Jeff Bezos)



- To understand we must first explore a significant shift that has taking place in our economy. One that only a minority of people are aware of. It's called the fourth industrial revolution.



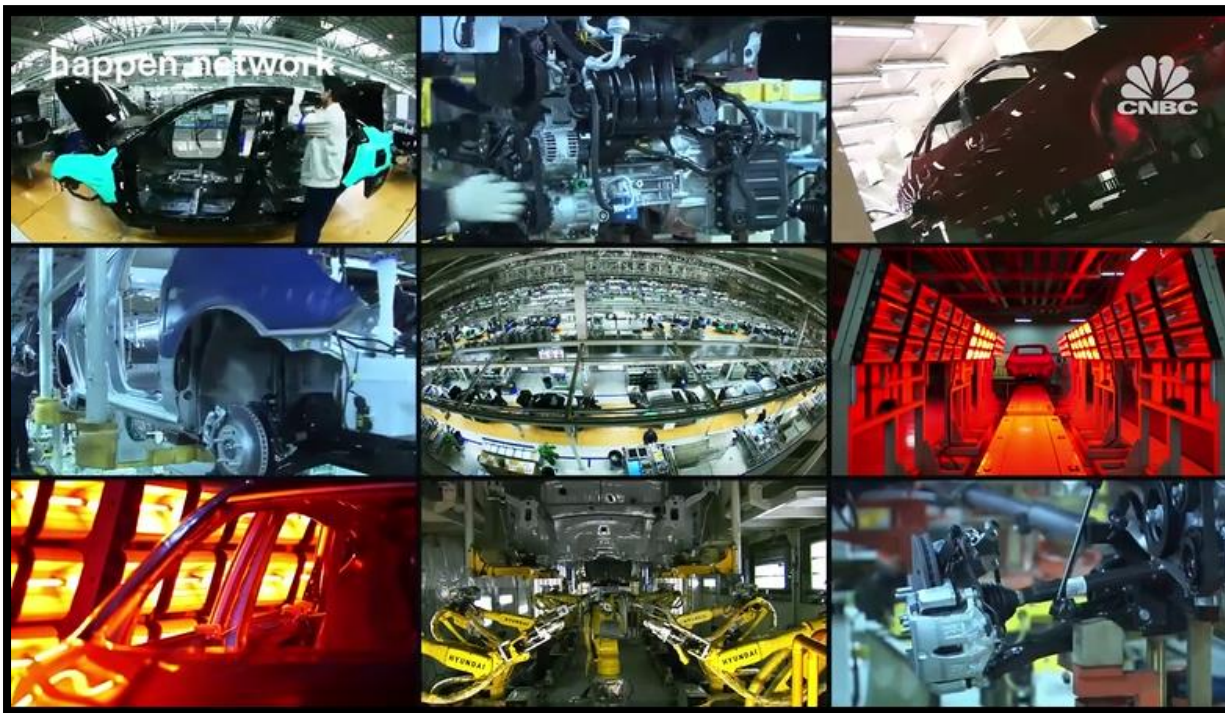
- Today there have been three industrial revolutions the first happened in the **late 1700s**, with the invention of the **steam engine** which led to the creation of factories and a boom in the textile industry.



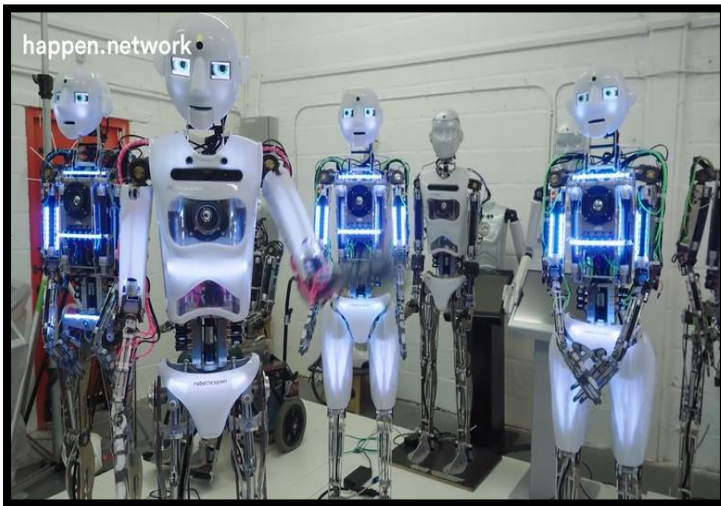
- In the late 1800's the **second industrial revolution** was marked by **mass production** as well as steel and electricity.



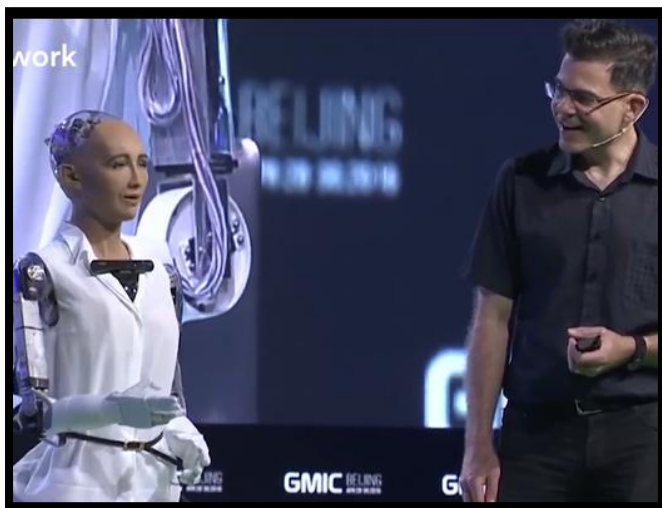
- The **third** happened in the late 1900's which saw the invention of the **computer** and the internet



- The **fourth industrial revolutions** describes the emergence of **artificial intelligence** and how it integrates more with humans



Note: it doesn't just integrate they are seeking to fuse it so we are walking cyborgs.



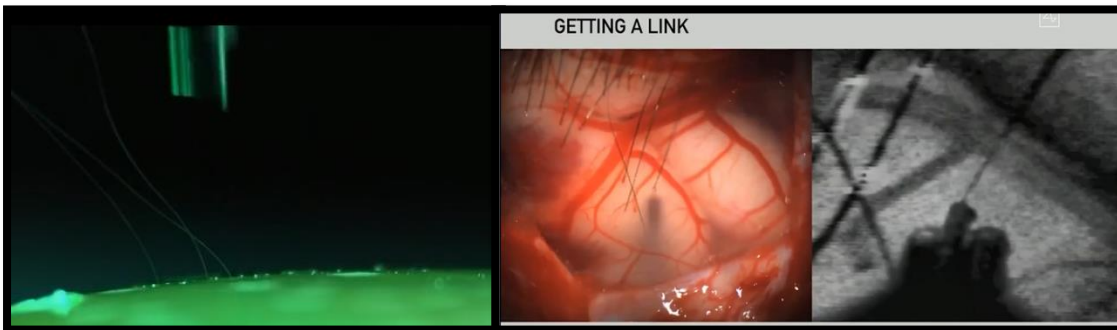
- Artificial intelligence or AI can **already be seen** in our daily lives. How we check out in the supermarket and how we check in for a flight. It has far more advanced than most people realise.
- *Note: We respond to the faces, interesting the first cyborg has a female look. They often use females to sell their wares as women are trusted. The bottom one looks friendly and waves. It is a machine. Feels nothing.*



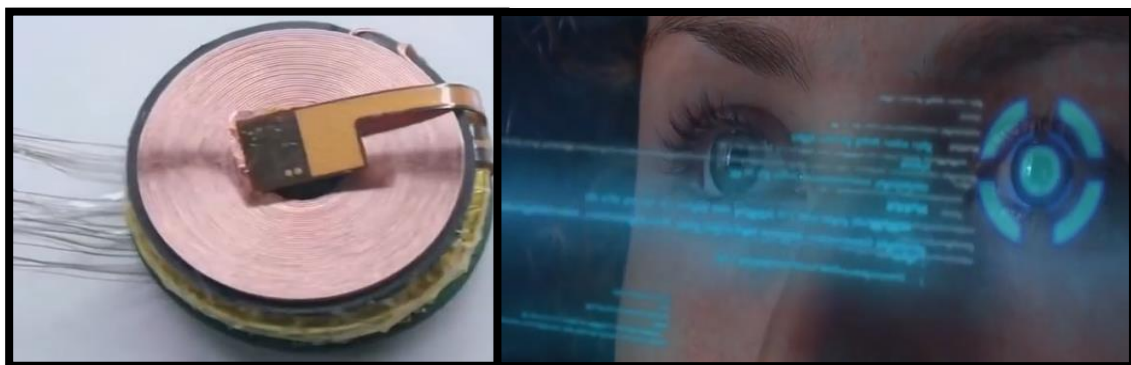
- In August 2020 entrepreneur Elon Musk gave a demo of his new company neurolink.



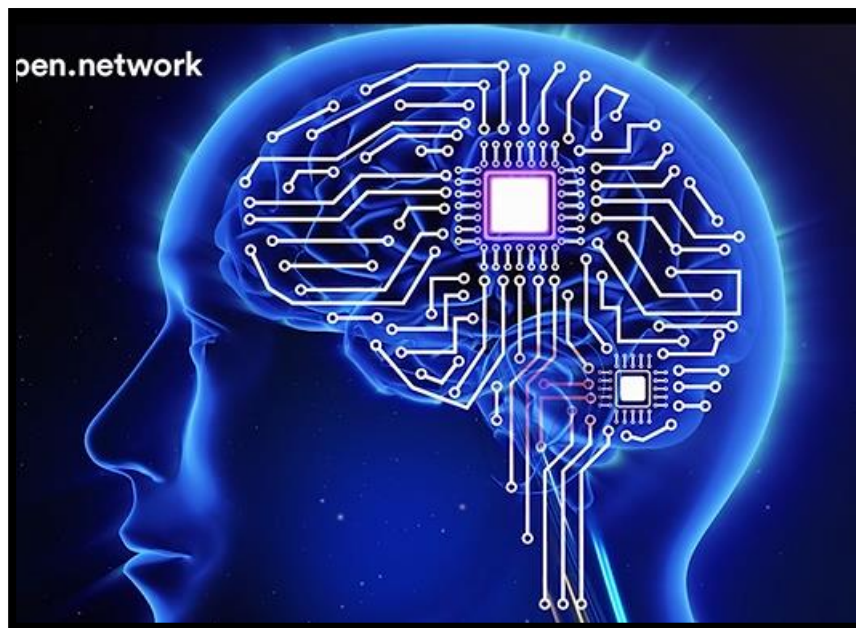
- *Note: He was invited to the White House during Trump's term. Why?*



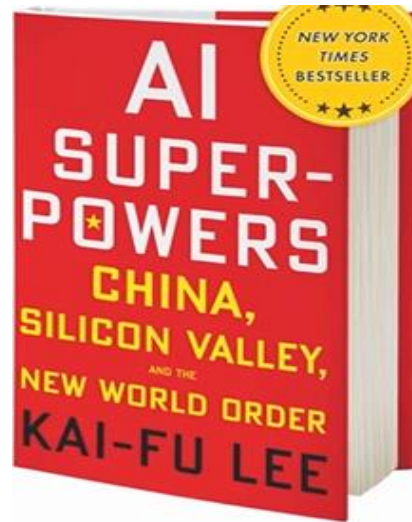
- **Commentator:** Connected to our brains tiny wires. (see procedure and embedded chip)
- This microchip is sync'd with AI enabling human's to **control anything** from prosthetic limbs to computer games. This working proof of concept has already been fitted into people it has the potential to completely transform the way we interact online.



- (Promotor) There is actually a **lot of functions the device** could do related to monitoring your health or warning you about a potential heart attack or stroke or other damage as well as convenience features like playing music.



- (Musk) *Can do a lot*
- Radio – Joe Rogan experience program: *It is a **cyborg**! It's a combination of electronics and biology*
- (Musk) *yeah. Things are getting more and more connected.*



• Kai-

Fu Lee is a former



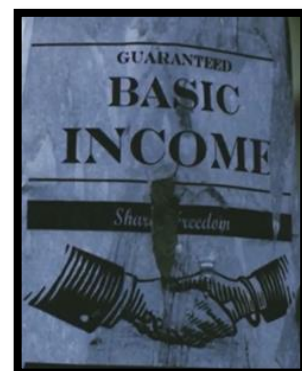
President of Google China and Microsoft Research China and is the author of New York Times best seller AI Super Powers China, Silicon Valley and the New World Order

- Kai-Fu believes China will be the **AI superpower within 5 years.**
- For those of you who haven't been to China for the three years **please be careful** when you go because your credit card and cash may not be accepted. China has been taken over by mobile payment. In the age of AI, if AI is the new oil then China is the new Saudi Arabia.
- One concern that is topical in the development of AI is the **displacement of jobs.**

- **Robots are clearly replacing people's jobs** here working more 24/7 they are more efficient
- **(journalist)** Are you convinced long term that we are going to have a jobs problem in the world?
- **Kai-Fu Lee:** Not long term but maybe in the **next 10 years.**
- **(journalist)** You mean it is going to happen much sooner?
- **Kai-Fu Lee:** Much sooner (nods). A lot of people will **find happiness without working** that would be a happy outcome.



- At **Amazon fulfilment centres** robots transport items to humans who pack them to be delivered. Amazon believes within 10 years they will not need a single human to fulfill an order.
- According to the **World Economic Forum 50%** of the workforce will need reskilling by 2025, it is likely only a fraction of these will find work resulting in a large proportion of the workforce becoming unemployed.



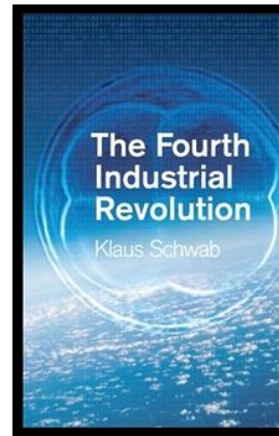
- **Commentator:** Guaranteed basic income?
- **Elon Musk:** There is a pretty good chance that we will **end up with a Universal Basic Income.** People will have more time to do things and more complex things, more interesting things, so the more leisure time. And then we've got to figure out how we integrate with a world in the future with advanced AI.



- *Note: Interesting comment about socialists as depressing with no sense of humour and attended expensive college. He is working with China. Now Joe Biden is in. What irony fate brings. He speaks of a universal basic income if AI takes over as if humans can't find ways to live without work. Perhaps that will be the irony of fate.*
- **(commentator):** One idea that is gaining more popularity is to charge Tech companies with a robot tax which is distributed to the unemployed as a universal basic income.
- **Gates:** I don't think the robot companies might be outraged that there might be a tax. (he laughs) It's okay.

World Economic Forum

- World Economic Forum title "don't fear AI. It will lead to long-term job growth. The CEO of WEF **Klaus Schwab** speaking at the **Chicago** Council on Global Affairs (CFR) says *"contrary to the past, the previous three revolutions probably jobs will be destroyed compared to the new ones being created. The fourth industrial revolution will impact our lives completely. It will change actually us, our own identity and of course gives life to such policies and developments like smart traffic, smart government, smart cities"*



- According to his book *The Fourth Industrial Revolution*, he is the executive Chairman of the World Economic Forum which is funded by the largest global enterprises, members include CEO's, heads of State and government ministers from countries such as the UK and USA.



Global Regulation

- In June 2019 the **UK Government published details about their partnership** with the World Economic Forum in a policy called Regulation for the Fourth Industrial Revolution.

transform their lives and attract the ideas, talent and investment to the UK that will drive our future prosperity.

We are turning things round. The [Financial Conduct Authority's regulatory sandbox](#) has kick-started a wave of regulator-led initiatives to support new products and services to come to market and been widely emulated across the globe. Our [Regulators' Pioneer Fund](#) is accelerating the change, with £10 million invested in 15 projects to support technologies from autonomous shipping to virtual lawyers. We have established a partnership with the World Economic Forum to shape the global governance of technological innovation.

But we can go further. The Business Secretary has established a [Ministerial Working Group on Future Regulation](#) to drive reform across government to put us at the forefront of the industries of the future. The Prime Minister's Council for Science and Technology has provided [recommendations on how to enhance the regulatory oversight of technological innovation](#). We have identified 6 challenges we need to address:

- we need to be on the front foot in reforming regulation in response to technological innovation
- One year later in June 2020, the World Economic Forum released this promotional video entitled **the Great Reset**.



> OUR WORLD HAS CHANGED





➤ OUR FRAGILITIES EXPOSED

- This film implies that everything from economics to our culture needs to change.





- The daughter and mother placing their **hands together** is the bond that no AI or World Economic Forum can break. **Love is who we are.** We are each other. The elderly are gagged. As if they don't exist. They do. The mother is depressed, her eyes are red. Imprisoned in her own home to keep her safe. Is she safe?



- Is this grave yard death by disease or genocide?

> OUR SYSTEMS NEED A RESET



- This is familiar (LHS movie). This promotional video was **released 6 months before** Margaret Keenan received the first COVID-19 vaccine.



- In November 2020, TIME Magazine published the GREAT RESET on their front cover. The World Economic Forum's Managing Director **Jeremy Jurgens** believes it will have a **devastating** effect on our economy.



- If we look at the Great Reset we are still at the **early stages of a global crisis** that is going to forever transform society. When it first started people said 'okay this is the biggest crisis to hit since 2007, 2008 financial crisis and then a little bit later said this is the biggest crisis since WWII and then say it is comparable to what happened in the great depression.



- Politician’s are endorsing the campaign.
- *Note: Are they compromised politicians?*
- This pandemic has provided an opportunity for a reset. This is a chance to accelerate or pre-pandemic efforts to reimagine economic systems.
- Kristalina Goergieva, Managing Director: International Monetary Fund. History will look at this crisis as the great opportunity for a reset.
- Antonio Guterres, Secretary General: United Nations: All elements of the Great Reset are fundamental to building the future we need.



• And it is

even **promoted by the Royal Family**

- Note: The Royal Family are promoted in a Campaign to make the UK Great. "Great" Global Reset is from Britain.
- Website stats: 261,739 views. 692,000 subscribers.
- 1,700 thumbs up, 12,000. 12X voted thumbs down "No" to the Re:Set. The nays have it.
- Prince Charles is a central figure as is the Queen. How many years has the Prince promoted sustainability? Prince Phillip is widely quoted as saying if he was to come back he would come back as a virus. There are also the Westminster Pedophile ring issues that have been Reset, perhaps that is the purpose. How compromised is the Royal Family?

#TheGreatReset

261,739 views • Jun 3, 2020

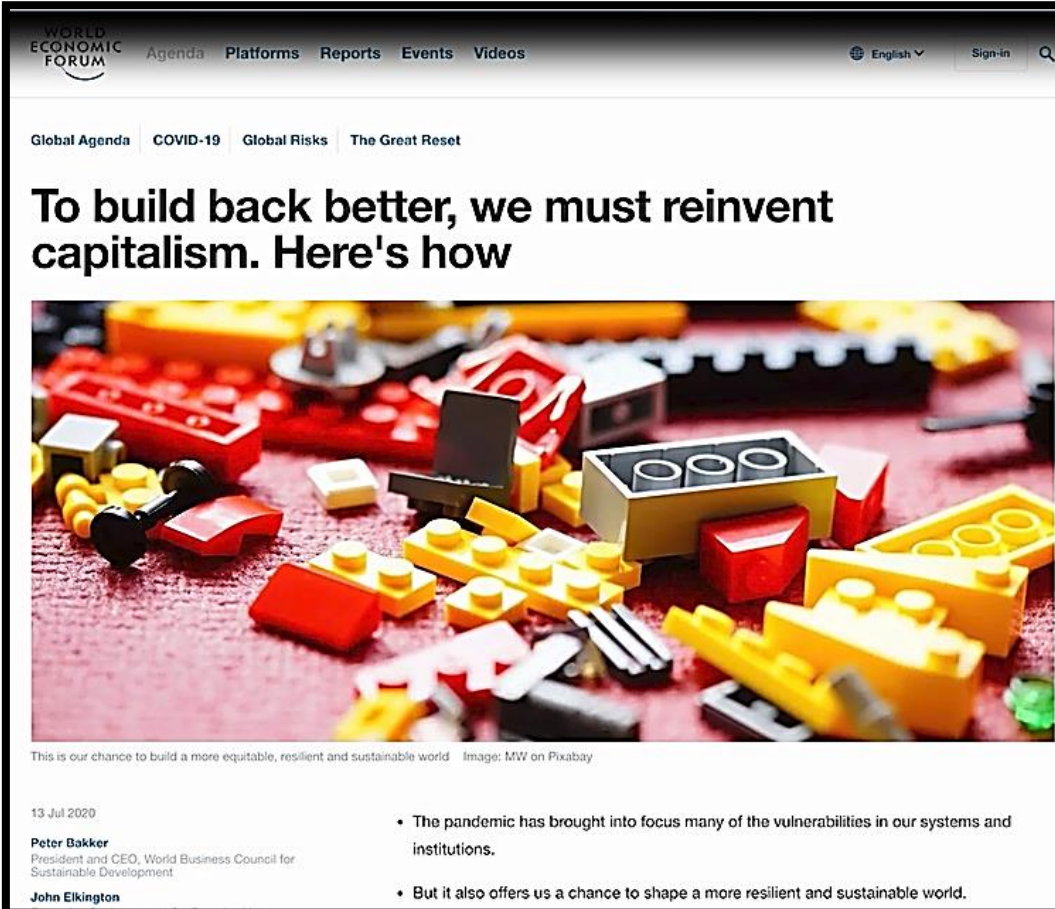


The Royal Family ✓
692K subscribers

Today, The Prince of Wales' Sustainable Markets Initiative, Forum launched a major global initiative, [#TheGreatReset](#).

- **Prince Charles:** *"We are on the verge of catalytic breakthroughs that will alter our view of what is possible and profitable within the framework of a sustainable future. We need nothing short of a*


*paradigm shift. One that inspires action at revolutionary levels and pace. We simply **cannot waste any more time**. The only limit is our willingness to act. And the time to act is now."*



WORLD ECONOMIC FORUM Agenda Platforms Reports Events Videos English Sign-in

Global Agenda COVID-19 Global Risks The Great Reset

To build back better, we must reinvent capitalism. Here's how



This is our chance to build a more equitable, resilient and sustainable world Image: MW on Pixabay

13 Jul 2020

Peter Bakker
President and CEO, World Business Council for Sustainable Development

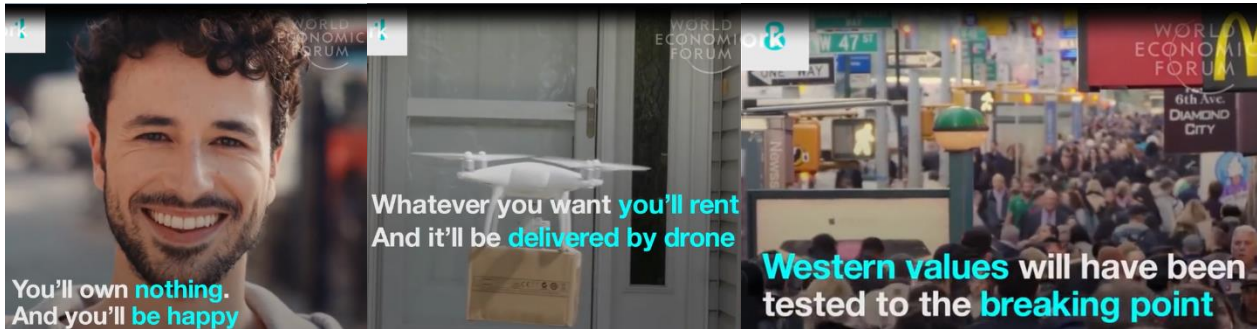
John Elkington

- The pandemic has brought into focus many of the vulnerabilities in our systems and institutions.
- But it also offers us a chance to shape a more resilient and sustainable world.

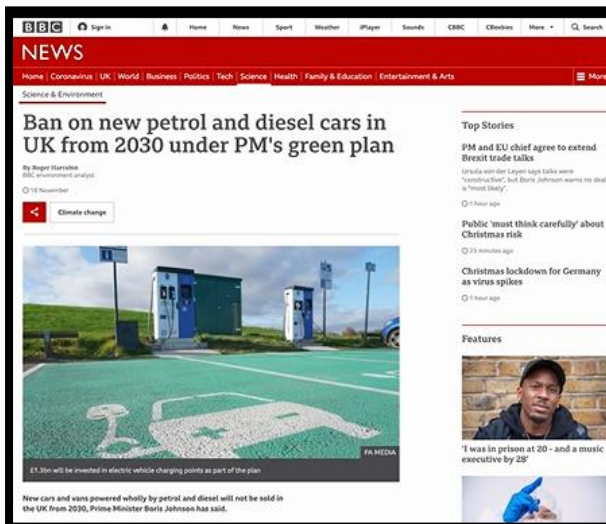


- **The World Economic Forum** believes that **capitalism needs to be reinvented** the Build Back Better slogan has been adopted by politicians across the globe.
- **Boris Johnson:** *"This moment also gives us a much greater chance to be radical and to do things differently to Build Back Better."*
- Justin Trudeau (Canada): *"Because we can only Build Back Better if we lean on one another"*
 - Note: Does he mean lean in the sense of support or pressure?
- **Joe Biden:** *"The last two weeks I've shared my agenda for economic recovery I call it Build Back Better. We can't just build back to the way things were before we have to do it better. The first plank in my Build Back Better plan rejects the defeatist view that automation and globalisation means we can't assure American workers lead to a future made in America."*

- **Note:** Joe Biden said in his inaugural speech he would level with the American people. The above statement indicates it is his idea. It is clearly not. He didn't level with the people. Why is UNITED there? Text to 30330
- (Commentator) So what does the world look like after the Great Reset? This social media post by the World Economic Forum – demonstrates 8 predictions for the world by the year 2030, here are 3 of them:



- 1) You'll own nothing.
- 2) Whatever you want you will rent and it'll be delivered by drone.
- 3) Western values will have been tested to the breaking point.



- Many of Boris Johnson's new policies fall in line with the World Economic Forum objectives. In November 2020 the New Green Industrial Revolution ban, included a ban on petrol and diesel cars by 2030. Combined with other restrictions such as blocking vehicle access to side roads. Causing grid lock on main roads, extending the congestion zone and introducing a pay-per-mile car tax. One might think he is attempting to remove ownership of cars.



- Kai-Fu Lee :The biggest application is the autonomous driving this is going to replace the entire transportation that we have or are



used to today. You will no longer buy cars. You car is parked 96% of the time, so it is depreciating. How bad is that for an investment. Only 4% of the time is it getting you from place A to place B. Imagine there is Uber who gets there in 30 seconds and is very reliable very clean and there is no nasty driver because there is no

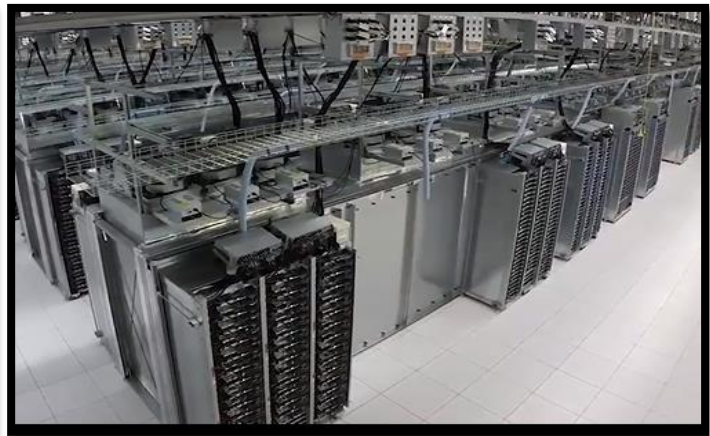
driver, and is very safe. Would you not *not* buy a car. One thing about AI is that it gets better with data, in 10 years after its first launch will probably be so much better than people. Most of us will be afraid to drive. You know why, autonomous vehicles will start talking to each other, they will miss each other by 1 centimeter and we as humans will become our worst enemies cause we are going to be the threat to our lives. Machines are going to be safe. Pretty soon after that humans will be disallowed from driving.

- **Yuval Harari:** Suppose you are a 50 years old truck driver and you just lost your job to a self driving vehicle, now there are new jobs in designing software or teaching yoga to engineers. How does a 50 year truck driver reinvent himself or herself as a software engineer? Because **AI is nowhere near its full potential**. Old jobs will disappear new jobs will emerge. But then the new jobs will rapidly change
- *Note: Is Yuval invited to W.E.F. to be the opposing voice hence a controlled narrative rather than a wild card from the public. The statement in red gives him away, he is letting the audience know he supports AI. He is probably Israeli intelligence. He is speaking in a way as if the new reality will happen. It may not.*

- (Commentator) at the World Economic Forum 2020 at Davos, Switzerland.



- Note: The Chemtrail over the mountain. That is a real problem – barium, strontium and aluminium changing the climate and causing Alzheimer’s. I don’t think the commentator realised.
- Commentator: Historian, Philosopher and author Yuval Harari warned the audience about the dangers of AI.



- **Yuval Harari:** We hear so much about the enormous promises of the technology and these promises are **certainly real**, technology may disrupt human society and the very meaning of human life in numerous ways ranging from the creation of the global **useless class** (useless eaters) to the rise of



data colonialism and digital dictatorships, those who **fail in the struggle against irrelevance** would constitute a new useless class and this useless class will be separated by an ever growing gap from the ever more powerful elite. We are already in the midst of an AI arms race with China and the USA leading the race and most countries being left far far behind. AI will likely create IMMENSE WEALTH in a few high tech hubs while other countries will either go bankrupt or will or will become exploited data colonies. Just think what will happen to developing economies once it is cheaper to produce cars in California than in Mexico

and what will happen to politics in your country in 20 years when somebody in San Francisco or Beijing knows the entire medical and personal history of every politicians and journalist in your country, including all their sexual escapades (*pedophilia*) all their mental weaknesses and all their corrupt dealings. When you have that data you do not need to send soldiers in order to control our country.

- Note: What is interesting about this statement is data is power as compromise replaces military violence for control. He makes clear that is what soldiers are for, power not global peace. Also he thinks pedophilia will stop if someone has data. Well those who control the data are in the pedophile rings. What if they think sexual escapades are fine, how are children protected given 24/7 surveillance? How is pedophilia as dominance, stopped when dominance is still encouraged through the master class who regard useless eaters as inferior genetically. What happens with voluntary euthanasia? Do we just give them an injection? The useless eaters and others will be completely disempowered, no car to get away, no job and no value in a world that only values return on investment. He doesn't speak about the deeper social issues or self reflective moral repugnance of an elite class, he is pretending to address the problems in a "controlled" way. This is not a world where sovereignty and rights are respected, this is a world where control is still a problem by groups either involved in human rights violations or sexual escapades. Lastly, this is a world that had no issue with collapsing the world economy with a bioweapon to force an agenda onto 7 billion people on the basis of a lie, like 911. How is this group superior or worthy of respect, perhaps they are useless eaters given their time is spent on making money rather than contributing real meaning to the world to take it beyond limits into higher potential?*




- Commentator: At the beginning of the pandemic until August 2020 7 Silicon Valley Tech giants added \$2.5 Trillion to market values in 2020. Microsoft gained 400 billion was added by Microsoft (**Microsoft revenue grew 13% despite coronavirus**).
- Note:* The heading is ridiculous given everyone was told to go online. It is not despite it is because of the bioweapon which Microsoft founder Bill Gates funded. He funded The Pirbright Institute who were the patent holder of the coronavirus. This is called disaster capitalism.
- Note:* This is exploitation on a scale that is unbelievable and the reward is what fuels them and gives them power. Fear was used, political influence was used whilst many small to medium businesses collapsed as they trade on small budgets. Imagine how people feel learning of this profit. How many suicided?




4 Coronavirus Vaccine Stocks the Bill & Melinda Gates Foundation Is Betting On

Are any of these stocks good bets for other investors?

 Keith Speights (TMFFishbiz)
 Sep 24, 2020 at 9:58AM
 - Author Bio

No one has to tell Bill Gates to put his money where his mouth is. The billionaire **Microsoft** cofounder and his wife Melinda have been vocal proponents of fighting infectious diseases for decades. They've donated over \$45 billion to charitable organizations since 1994, with much of that amount going to the Bill & Melinda Gates Foundation.

The Gates Foundation has been instrumental this year in funding coronavirus vaccine programs. But the foundation hasn't just handed money over to drugmakers; it's also invested in a few of them. Here are four coronavirus vaccine stocks that the Gates Foundation is betting on.



Motley Fool Returns


STOCK ADVISOR: S&P 500

546% ▲ **112%** ▲


Stock Advisor launched in February of 2008. Returns as of 10/14/2020.

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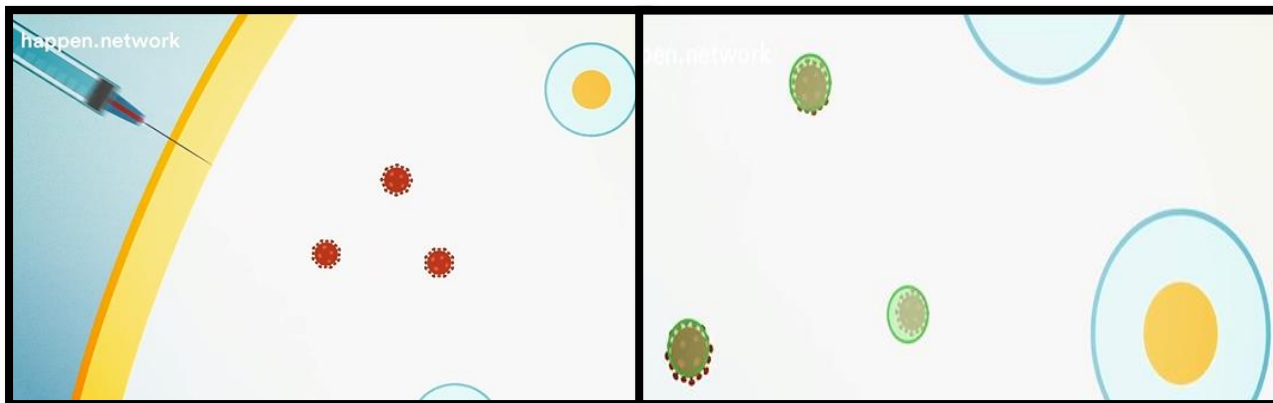
Cumulative Growth of a \$10,000 Investment in Stock Advisor
Calculated by Time-Weighted Return



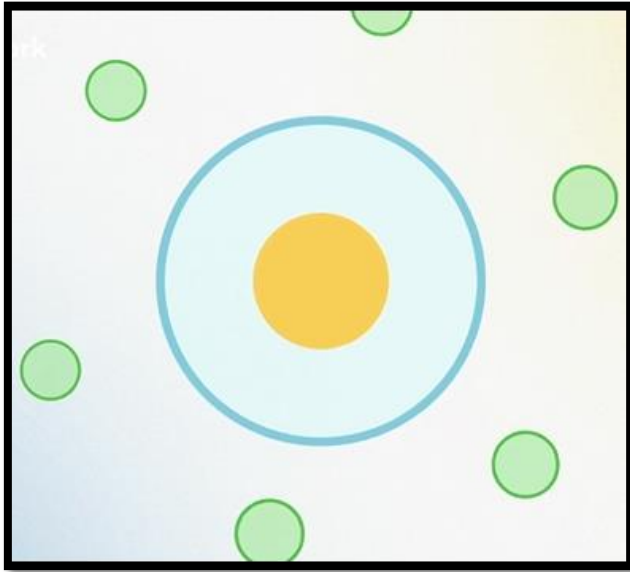
STOCKS

 **Pfizer Inc.**
 NYSE: PFE
 \$40.38 \$0.73 (-1.79%)

- Founder Bill Gates also has an interest in vaccines where he through the Bill & Melinda Gates foundation own stock in the vaccine manufacturing companies Pfizer and Moderna. Both companies have been developing a new generation of vaccine that interacts directly with our DNA.



- **Traditional immunisation** methods involve injecting a dead or weak version of the virus this triggers the immune system to produce anti-bodies



- **Pfizer’s new messenger DNA technology** is

not a standard immunisation vaccine but rather genetic engineering. Instead of injecting the virus into the patient their approach is to inject synthetic molecules that transport instructions to the cell on how



about the Russian Sputnik V and Moderna vaccines followed soon after. The prospect of preventing illness and death, and avoiding the harm and misery of extended restrictions, is a cause for optimism. But although it is right to be hopeful and encouraged, we are far from ending COVID-19 as a public health issue.

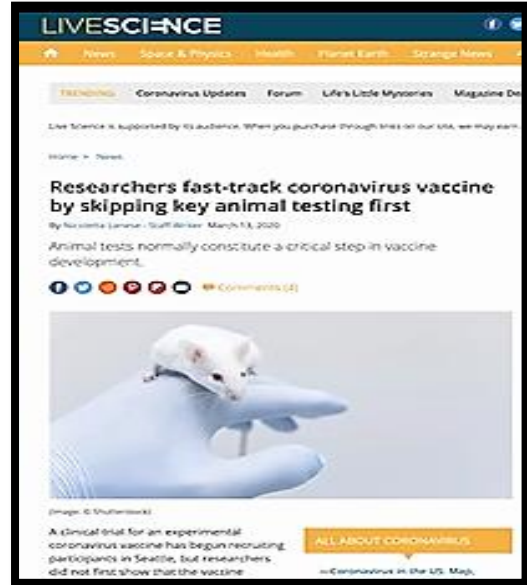
Unfortunately, the trials' results were announced via press releases, leaving many scientific uncertainties that will dictate how the vaccines will affect the course of the pandemic. Little safety data are available. How well the vaccines work in older people or those with underlying conditions and their efficacy in preventing severe disease are still unclear. Peer-reviewed publication should resolve these issues, but other questions will not be answerable for some time. For one, the duration of protection is unknown and will have a huge bearing on the practicalities and logistics of immunisation (will boosters be needed? How often?).

to create antibodies to fight the virus. Up until November 2020 no messenger RNA vaccine had ever been approved for use on humans.

- On **21 November, 2020** the Lancet expressed disappointment that the COVID-19 vaccine trials were announced by press releases...**lack of safety data**. The publication also expressed uncertainty about how well the vaccines work in older people or those with underlying conditions as well as their efficacy in preventing severe disease.

Doctors Warning Against Vaccines

- In early December 2020 a group of medical doctors from around the world created a video to warn the public about the safety of the vaccine.



- *"Due to the excuse of a global pandemic the pharma industry has the permission to skip the animal trails. This means we humans will be the guinea pigs."*



- Dr John Denis *"This vaccine has been developed too quickly we have no idea what the long term effects will be, an experiment on humanity."*

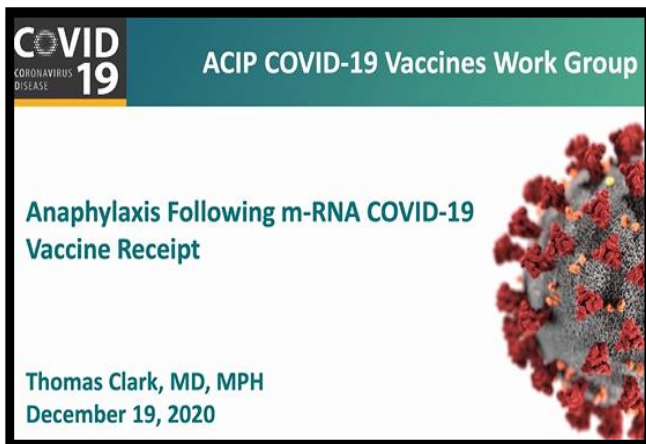


- **Dr Evans:** There is only short term safety data and no long term safety data to rule out late onset negative effects like auto-immune diseases, infertility and cancers.



- **Dr Fierlafijn:** Please be critical do your **own research** and don't let the media manipulate you
- **Dr MadeJ:** This is the **first time ever** that this will ever be launched on the human race. There are so many different awful things that can happen to us we need to investigate this before we go forward. This is my **alarm call** to the world.





Anaphylaxis in UK Following COVID-19 Vaccination

- December 8, 2020 – UK initiated vaccination with Pfizer-BioNTech COVID-19 vaccine
- December 9 – UK authorities confirmed 2 cases of anaphylaxis after vaccination
- Prescribing information for both Pfizer-BioNTech and Moderna COVID-vaccines contains information on anaphylaxis
 - Severe allergic reaction (e.g., anaphylaxis) to any component of the vaccine is a contraindication to vaccination
 - Appropriate medical treatment used to manage immediate allergic reactions must be immediately available in the event an acute anaphylactic reaction occurs following administration of the vaccine

- On 19 December 2020 the CDC published this report by the Advisory Committee on Immunisation Practices. Just one day after the UK initiated vaccination with the Pfizer-BioNTech COVID-19 vaccine authorities confirmed two cases of anaphylaxis which is a very serious allergic reaction that is rapid in onset and may cause death. On page 6 be under title V-safe Active surveillance for COVID-19 Vaccines. **3,150 or 2.8%** out of 112,807 vaccine recipients were unable to perform normal daily activities, unable to work, required care from a doctor or health care.



	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18*
Registrants with recorded 1 st dose	679	6,090	27,823	67,963	112,807
Health Impact Events**	3	50	373	1,476	3,150
Pregnancies at time of vaccination	5	29	103	286	514

*Dec 18, 5:30 pm EST
 **unable to perform normal daily activities, unable to work, required care from doctor or health care professional

- Dr Vernon Coleman: If 60 million people in the UK have the vaccine we can expect 1.67 million people to be unable to work, unable to provide normal daily activities and to require care. I don't know how long for. If 6 billion people were all worldwide have the vaccine then the number rises to 167 million. And this remember is a short term problem. We do not know what will happen in the medium or long term.



Note: Funny how Bill grabs for the water when 'side affects' are mentioned. He knows not what he does!

- Note: Bill Gates has shares in Moderna and Pfizer. He makes clear that the FDA can get pressured and may change their mind. Interesting how Moderna HAD TO GO with a high dose? Why? He says it is great we have MULTIPLE of them (some may fail). The interviewer interrupts and says "everyone with a high dose had a side effect? He then does his famous lip pursing smile. Could they string this on. They have talked down cures, do they need more time to collapse economies? I shake my head. What of HCQ?"*
- CBS Washington anchor:** "...The side affects for the Moderna vaccine sound concerning we looked after the second dose at least 80% of participants experienced a systemic side affect ranging from severe chills to fevers. So are these vaccines safe?"
- Bill Gates:** "Well the *FDA not been pressured* will look hard at that. The FDA is the gold standard of regulators, their current guidance on this *if they stick with that* is very very appropriate. The side affects were not super severe that is it didn't cause permanent health problems for things. Moderna did have to go with a high dose to get the antibodies. Some of the other vaccines are able to go with lower doses to get responses that are pretty high including the Johnson & Johnson and Pfizer. There is a lot of characteristics of these vaccines, it is great we have multiple of them ah out there..."
- CBS interviewer:** "Bill you know the data better than I do, Bill the data, that everyone with a high dose had a side effect..."
- Commentator:** In addition to their interest in vaccines, the Bill and Melinda Gates foundation donates money to media organisations, such as the BBC, universities that provide media representatives, and in partnership with the World Economic Forum Event 201, which simulated induced pandemic 5 months prior to the pandemic.

A MAN OF CONTAGIOUS INFLUENCE!

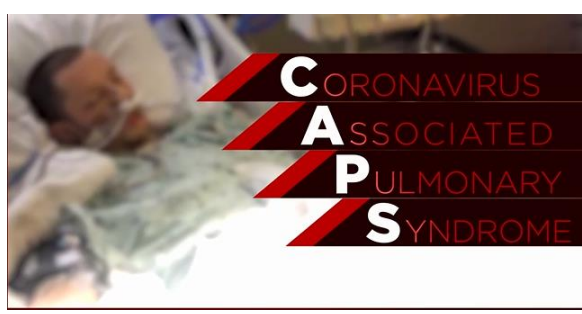
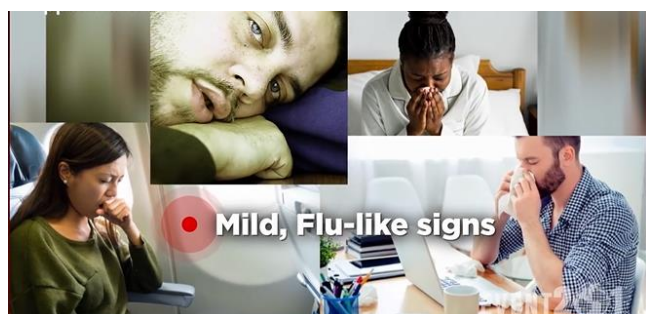
work



Event 201 World Economic Forum



- Partners World Economic Forum and the Bill & Melinda Gates foundation, warm welcome to our audience here in NY. The Goal of the Event exercise is to illustrate the potential consequences of a pandemic and the kind of societal and economic challenges it would pose.
 - *ARROW: points to Jane Halton, Australia, former Department of Health, Treasury, Prime Minister & Cabinet, board member ANZ and on the Board of Crown Casino. Most concerning of all is she is Chair of the Coalition for Epidemic Preparedness & Innovation (CEPI) which is funded by the Bill & Melinda Gates Foundation. She was on the COVID-19 Commission and in charge of the Hotel Quarantine inquiry (no result) even though a conflict of interest occurred not only with CEPI but Crown Casino as their hotels were involved.*
- (narrator) A new coronavirus spread silently within herds, gradually farmers started getting sick, infected people got a respiratory with symptoms ranging from mild, flu like signs to severe pneumonia. The sickest required intensive care many died.



- **Narrator:** Many experts agree unless it is quickly controlled it could lead to a severe pandemic and outbreak that circles the globe and effects people everywhere.

- **Speaker:** This scenario highlights the very critical role of global business and public-private partnership play in preparing and responding to a pandemic.



- **Commentator:** By the turn of the 20th century 90% of all US refineries were controlled by John Rockefeller who went onto **monopolise** the pharmaceutical industry. He had six children who founded venrock. A venture capital company which made investments in tech companies such as Apple and Intel.

- In 2010 Rockefeller foundation released a document called Scenarios for the Future of technology and International development. Described a pandemic scenario with the headline (LOCK STEP) A world of tighter top-down government control and more authoritarian leadership, with limited innovation and growing citizen pushback.

China's government was not the only one that took extreme measures to protect its citizens from risk and exposure. During the pandemic, national leaders around the world flexed their authority and imposed airtight rules and restrictions, from the mandatory wearing of face masks to body-temperature checks at the entries to communal spaces like train stations and supermarkets. Even after the pandemic faded, this more authoritarian control and oversight of citizens and their activities stuck and even intensified. In order to protect themselves from the spread of increasingly global problems – from pandemics and transnational terrorism to environmental crises and rising poverty – leaders

was deemed vital to national interests. In many developed countries, enforced cooperation with a suite of new regulations and agreements slowly but steadily restored both order and, importantly, economic growth.

Across the developing world, however, the story was different – and much more variable. Top-down authority took different forms in different countries, hinging largely on the capacity, caliber, and intentions of their leaders. In countries with strong and thoughtful leaders, citizens' overall economic status and quality of life increased. In India, for example, air quality drastically improved after

- During the pandemic national leaders around the world flexed their authority and imposed airtight rules and restrictions, from the mandatory wearing of face masks to body-temperature checks at the entries to communal spaces like train stations and supermarkets.
- Citizens willingly gave up some of their sovereignty – and their privacy – to more paternalistic states in exchange for greater safety and stability.

around the world took a firmer grip on power. Double-click to go to fullscreen, ctrl+click to snap to video size

At first, the notion of a more controlled world gained wide acceptance and approval. Citizens willingly gave up some of their sovereignty – and their privacy – to more paternalistic states in exchange for greater safety and stability.

Citizens were more tolerant, and even eager, for top-down direction and oversight, and national leaders had more latitude to impose order in the ways they saw fit. In developed countries, this heightened oversight took many forms: biometric

...willingly gave up some of their sovereignty and their privacy – to more paternalistic states in exchange for greater safety and stability. Citizens were more tolerant, and even eager, for top-down direction and oversight, and national leaders had more latitude to impose order in the ways they saw fit. In developed countries, this heightened oversight took many forms: biometric IDs for all citizens, for example, and tighter regulation of key industries whose stability

...of their water for all her people. But more authoritarian leadership worked less well in some cases tragically – in countries run by irresponsible elites who used their increased power to pursue their own interests at the expense of their citizens.

There were other downsides, as the rise of virulent nationalism created new hazards for spectators at the 2018 World Cup, for example.



- There is no evidence to suggest that this 10 year old document has any relation to the current pandemic, it was accurate in predicting many extreme restrictions being imposed on us today.



Taking Back Control A Resetting of America's Response to Covid-19

And is insight: yet there is a long way to go.

need to continue to ramp up Covid-19 testing and put in place policies that recognize the cascading benefits of getting back to work, going back to school and taking control of our lives.

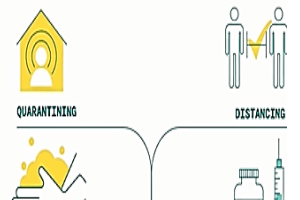


Covid-19 vaccines have arrived, with enough supply to vaccinate as many as 50 million people by the end of January.¹ But these initial doses will do little in the short term to arrest an epidemic that is raging out of control. The United States is now reporting more than one million new coronavirus cases every week, hospitals are nearing capacities, and daily death tolls are at record levels.² More Americans are now *dying every day* from Covid-19 than died in the terrorist attacks of 9/11 — a rate of nearly 100,000 people per month.³

with symptoms or those in recent contact with someone with Covid-19. That is not enough. Instead of being reactive, testing must become a proactive tool to find asymptomatic and pre-symptomatic infected individuals before they pass along their infections to others.

In the coming months, we expect an avalanche of pooled, rapid and point-of-care Covid-19 tests that will help allow this type of proactive testing to routinely take place. By the end of January, the country will likely be able to conduct more than 70 million tests each week, a number that is expected to double to 200 million by April. The latter is enough to offer protections to almost every individual at increased risk of infection, and along with vaccinations and other safety measures, begin to stamp out Covid-19's virulent spread. In addition, substantially greater capacity is feasible: a timely federal action plan could increase this capacity by an additional 100 million per week within the next several months.

Each has a claim to be at the top of the list, but for the sheer range of its benefits to society and the economy, as well as what is now proven to be a low risk of transmission among school children,⁴ we prioritize schools. One reason for this choice is that vaccines will, within weeks, offer considerable protection to the nation's most vulnerable cohort, nursing home residents. Such a shield in nursing homes means some testing can be redirected to protect the other end of the age spectrum.



- Recently in **December 2020** the Rockefeller Foundation published this report.
- Supply vaccines for 50 million by the end of January, but initial doses will do little in the short term to arrest the pandemic that is raging out of control (is it?)
- It mentions 911 (inside job see Susan Lindauer in the Corruption report)
- 70 million tests each week, number expected to double to 200 million by April
- Commentator: They advise the US government

With this testing, schools should plan to reopen in waves as testing capacity comes online, which will also allow districts to solve the logistical challenges in standing up routine testing programs. **Students should be tested at least once a week — every week.** Adults, including teachers and all in-classroom personnel as well as outside of classroom staff including administrators, bus drivers, cleaning and maintenance teams, technical staff and any others, should be tested at least twice a week — every week. To ensure that all schools can reopen with sufficient testing support, the federal government should implement a plan to provide dedicated testing capacity and implementation support to all schools that wish to use it.



- Students tested once a week
- Adults including teachers, administrators, bus drivers, cleaning and maintenance teams, technical staff, tested twice a week, EVERY WEEK.
- Ensure schools can reopen (if you don't do it they can't, your fault)
- Federal government implement plan to provide dedicated testing in all schools (DNA)
- Does the advise from a large US corporation have the potential to influence UK policy?



- Health Secretary this evening announced an emergency targeted testing program for secondary schools
- Matt Hancock MP: We've decided to put in place an immediate plan **testing all secondary school age children** in the 7 worst affected Burroughs of London – in parts of Essex that border London and parts of Kent.



Deborah Cohen (Health Correspondence) The tests used to detect positive cases is called PCR and it only requires very small samples to see if there is any virus present now PCR doesn't tell you if what it detects is infectious it may pick up on virus fragments from a past infection that isn't currently making you sick. This means there could be false positives so there is a positive test result but no active infection.

- (Anchor) Let's deal with this test for the PCR. I want to ask you if you think it is reliable enough Dr Daniels?



- **Dr Daniels:** I am a NHS clinician and we've got experience with these PCR tests for many many years and the reality is we always take the test results with a little bit of a pinch of salt. You test a 1,000 people 1 of which is positive but the test will pick up 6 people if it has a 0.05 false positive that is significant if it is being used to drive policy decisions.

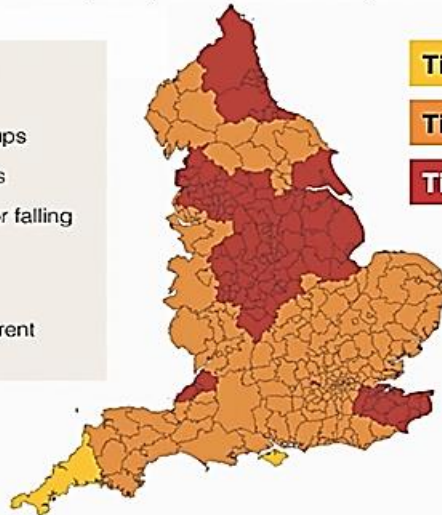


- **Dr Yeadon:** if you are tested repeatedly the odds become greater and greater you will get a positive test and it is a convenience however playing some macabre game as I don't think it is an error anymore, but the industrial scale PCR test they don't release even basic information about it, like false positive rate, it is unbelievable the public health people who do know better I've spoken to some people and they are embarrassed not allowed to characterise and publish the information you need to know to work out how useful the test is, that is not been done, it is full steam ahead.

Local restriction tiers in England, from Wednesday 2 December

Decisions will primarily be made on these five indicators

- ▶ Case detection rates in all age groups
- ▶ Case detection rates in the over 60s
- ▶ The rate at which cases are rising or falling
- ▶ Positivity rate (the number of positive cases detected as a percentage of tests taken)
- ▶ Pressure on the NHS, including current and projected occupancy



Tier 1 - Medium

Tier 2 - High

Tier 3 - Very High

Q Popular Latest *The Atlantic* Sign In

HEALTH

Legal Drug-Pushing: How Disease Mongers Keep Us All Doped Up

By manipulating our fear of suffering and death, big pharmaceutical companies are able to keep us coming back for expensive medications.

JOHN-MANUEL ANDRIOTE APRIL 3, 2012

By manipulating our fear of suffering and death, big pharmaceutical companies are able to keep us coming back for expensive medications.

RECOMMENDED READING

Jun 20, 2018, 08:08am EDT

There Go Those Drug Companies Inventing New Diseases Again

John LaMattina Contributor Healthcare
I cover news on drugs and R&D in the pharma industry

This article is more than 2 years old.

So, if current events weren't enough to scare you, now you have to be on the lookout for "malady mongers" – drug companies that sell pills by inventing disease. We have Michael Walsh to thank for bringing this to the public's attention.

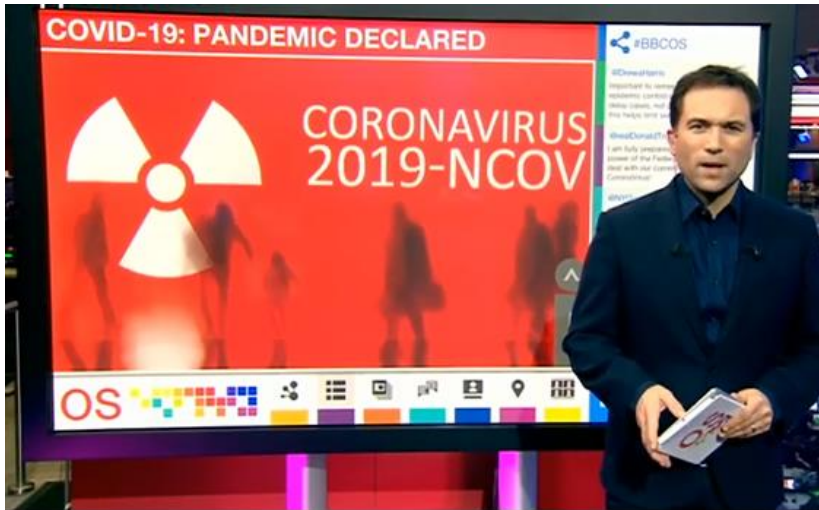
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Global Agenda The Great Reset COVID-19 Fourth Industrial Revolution

Now is the time for a 'great reset'

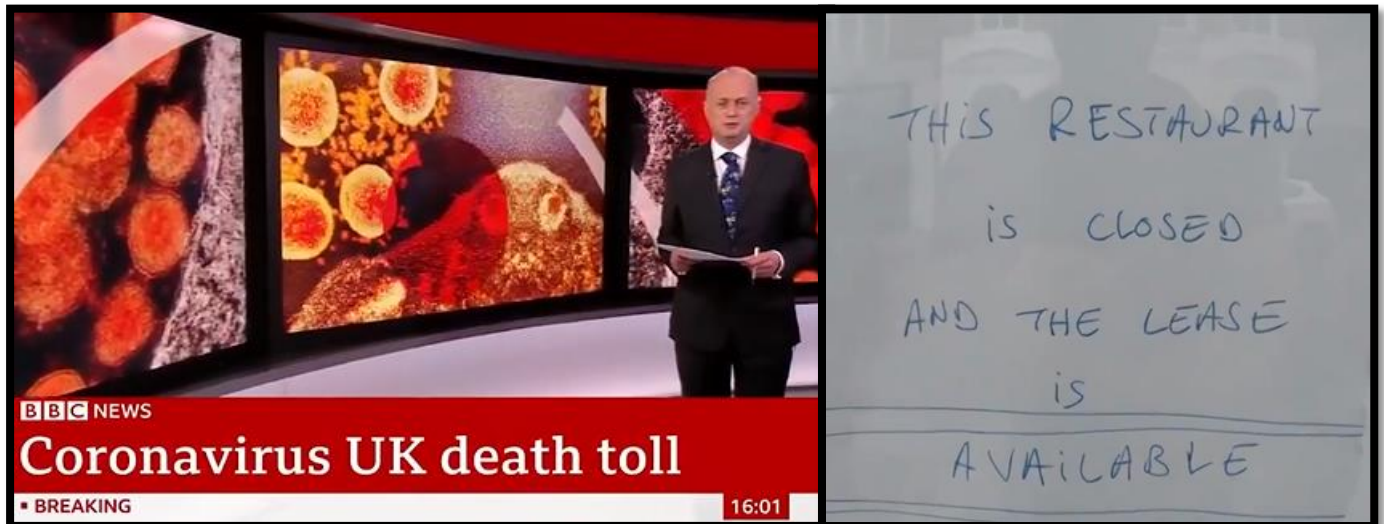
- **Commentator:** With the PCR test providing a high rate of false positives is their intention to boost infection rates to justify more lockdowns.
- In early 1990's disease mongering was a strategy coined by pharmaceutical companies for creating a disease and scaring people and offering their preplanned drug.
- If **powerful people** wanted to accelerate the shift towards the fourth industrial revolution by removing jobs and reinventing capitalism.
- This problem reaction solution strategy would be effective in achieving it.

1) create a problem. Release a coronavirus and declare a global pandemic



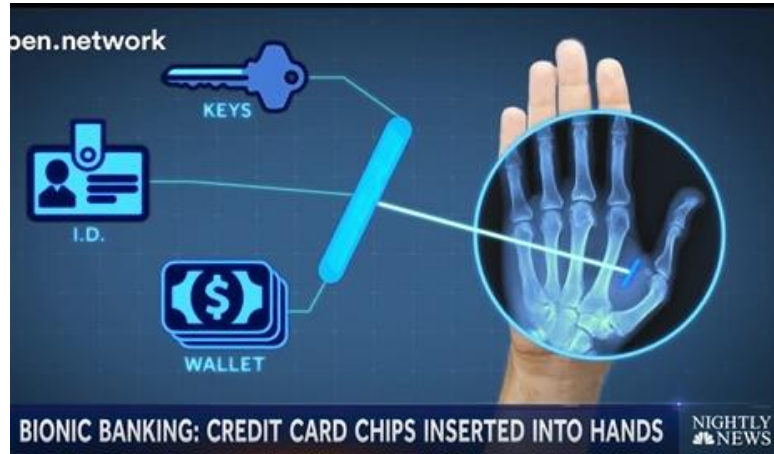
- (BBC anchor): The coronavirus outbreak has been declared a pandemic (note the nuclear symbol, he has OS in his hands and it is on the screen – operating system? Note BBCOS, Smart technologies)

2) Create a reaction



- Ramp up fear with a propaganda campaign and destroy the economy by forcing businesses to close.
- We are collectively telling cafés, pubs, bars, restaurants to close tonight as soon as they reasonably can and not to open tomorrow.

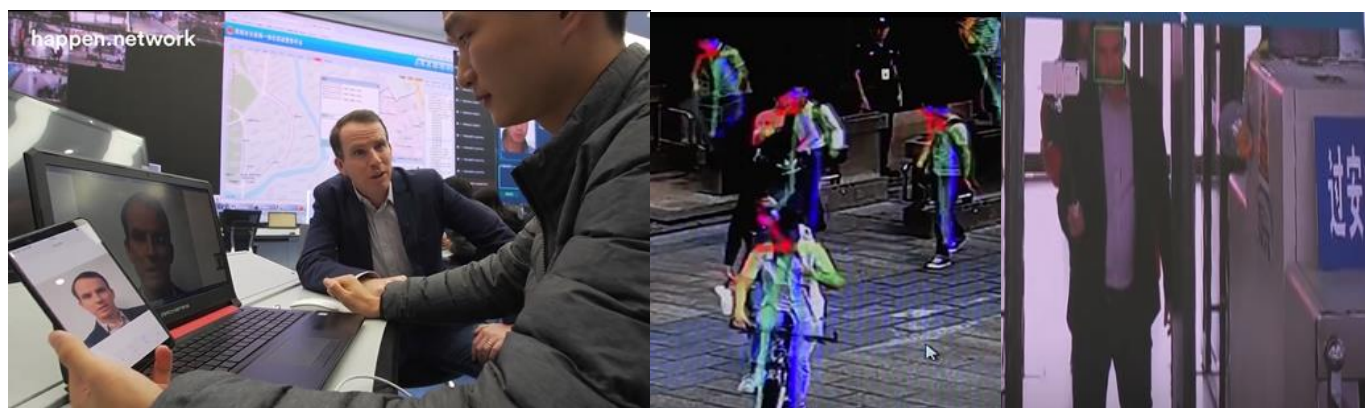
3) Create a solution

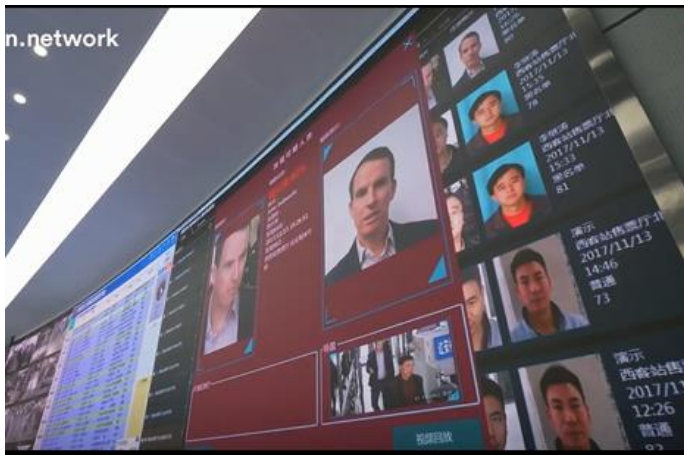


- Provide the mass unemployed with a **Universal Basic Income** credited onto the Rockefeller and Microsoft backed digital ID's that are implanted into our hands.



- **Blair:** Create a Digital ID today it is a natural evolution of the way we are going to use technology to transact daily life and this COVID crisis gives an ADDITIONAL REASON for doing that.
- Commentator: Coerce us into taking Tech based vaccines and staying at home and require us to reside in smart cities with **totalitarian like surveillance**.
- (film) scanning image by Chinese guy, from phone. Testing how long it takes for him to find.





- In return for giving us the Universal Basic Income they will ease the conditions they will require.





Boris Johnson:

"Smart Cities will palliate with sensors all joined together with the internet of things and the urban environment is antiseptic as a Zurich pharmacy. This technology could also be used to keep every system under round the clock surveillance. A future Alexa will pretend to take orders, this Alexa will be watching you, clucking her tongue and stamping her foot. In future moist connectivity will be in every room and every object, your mattress will monitor your nightmares your fridge will beat for more cheese. Your front door will sweep wide the moment you approach like some silent butler. Your smart meter will go hustling of its own accord for the cheapest electricity and every one of them minutely transcribing your every habit in tiny electronic shorthand, stored not in their chips or innards nowhere you can find it but in some cloud of data that lowers ever more oppressively over the human race.

*AI what will it mean? Helpful robots washing and caring for an aging population or pink eyed terminators sent back from the future **to CULL THE HUMAN RACE.**"*

Note: Boris Johnson is giving a clue re: Cull framed as a sci-fi film but he is letting people know. Clearly the robots are not home help.



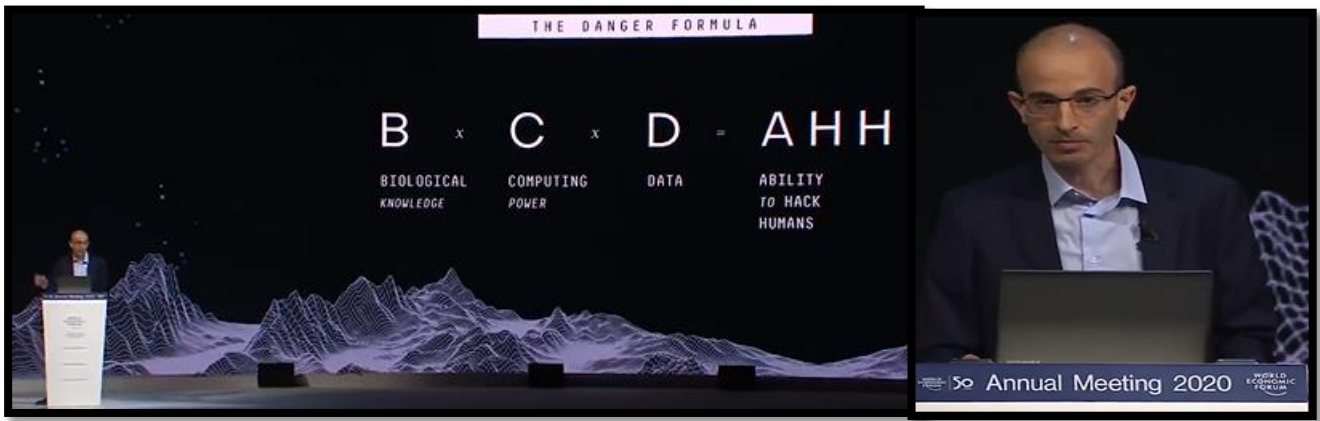
- **Commentator:** If pandemic was planned why would now be the perfect time to activate it? The answer could be 5G is 100 x faster than 4G and it is now ready to be rolled out. This upgrade in performance is essential for digitising humanity. Connecting humanity more closely with the internet of things and artificial intelligence.
- **Kennedy:** they haven't done a very good job about protecting public health but they have done a very good job at using the quarantine to bring 5G into all of our communities and to begin the process of shifting us all to a digital currency which is the beginning of slavery. Because if they control your bank account they control your behaviour. And we all see these advertisements saying 5G is coming to your community it is going to make all of your lives so much better. And it is very convincing I have to say as I look at those ads and I think that's great I can hardly wait till it gets here because I am going to be able to download a video game in 6 seconds instead of 16 seconds. Is that why they are spending 5 trillion dollars on 5G? No. The reason is for surveillance and data harvesting its not for you or me it is for Bill Gates, Mark Zuckerberg its for Jeff Bezos and all the other billionaires.



- Kennedy: Bill Gates has his satellite fleet will be able to look at every square inch of the planet 24 hours a day.



- That is only the beginning, he also will be able to follow you on all your smart devices through biometric facial recognition, through your GPS, you think that Alexa is working for you, she is not working for you she is working for Bill Gates spying on you and he pandemic is a crisis of convenience with the elites who are dictating these policies. It gives them the ability to obliterate the middle class, to destroy the institutions of democracy to shift all of our wealth to a handful of billionaires to make themselves rich by impoverishing the rest of us.



Yuval Harari: If you know enough biology and you have enough computing power and data you can hack my body, my brain and my life. A system that understands us better than we understand ourselves can predict our feelings and decisions, can manipulate our feelings and decisions and ultimately can make decisions for us. In the past many tyrants and governments wanted to do it. No-body understood biology well enough and nobody had enough computing power and data to hack millions of people. Neither the Gestapo or KGB could do it. But soon at least some corporations and governments will be able to systematically hack all the people. We humans should get used to the idea that we are no longer mysterious souls. We are now hackable animals. The power to hack human beings can of course be used for good purposes like providing much better health care. But if this power falls into the hands of a 21st century Stalin the result will be the worst totalitarian regime in human history and we already have a number of applicants for the job.





- **Commentator:** Thousands of Brits have been taking to the streets to protest.
- Interview: I am a chef in the hospitality trade is in ruins with the polices that have been put in place. I've been redundant on the 3rd July and I've not been able to find work since. A couple of more months I won't be able to pay my rent.



- **Commentator:** as with all Covid related protests this one was terminated early. When the riot police aggressively intervened.



- (in background) "what the fuck!..stop, what the fuck are you doing, this is so fucking wrong". Another voice: "fighting for your children". SHAME ON YOU they are singing.
- (note: law and order or oppression? each has to choose their future)

- *Note: What appears to be happening is the police are being set up to fight citizens to destroy the trust. They will be removed in a NOW. The police compliance means they are assisting tyranny that will get rid of them as well. Black Lives Matter was a set up of police as well. Some white supremacists or thugs may have been recruited to be brutal. This appears the case in Melbourne. The adversarial approach is definitely a form of unprovoked brutality. They can be tools or they can say no. It is again, choice.*



- David Kurten I was quite shocked, particularly by the behaviour of the TSG riot police on the 26 December. The demonstration was absolutely completely peaceful. Columns of riot police waded into the crowds, batons drawn, people injured, faces bloodied, a woman was pushed off her chair. That to me is unacceptable behaviour from that unit of the metropolitan police. Who gave the order for that to happen?



Chairman I'm not sure if I just don't know enough about the facts, I'm not sure I can set the premise of the facts set up by the ...
(note: it is evident from the way his eyes move that he conceals)

Commentator: Images of police brutality against people who were defending their human rights are also being shared around the world.

Commentary: The French capital once again the scene of clashes between police and demonstrators.





- This woman is being touched by a device that appears to be electricity and it is hurting her, she did not provoke the attack. This is inflicting pain to punish disobedience or independent will. A policeman tries to block the camera. It is evident they are targeting women. Taking away their self determination is the sense.
- Commentator: Jerusalem – Israeli police fired water canons to disperse demonstrators.



- The guy wearing the Occupy mask is saying "we don't have money to eat. Nothing, nothing, nothing."
- Bars and restaurants have been closed since mid-October
- Anti government rallies have filled the streets of Serbia's capital Belgrave for a second day.
- Italy water canons, tear gas



- There is much courage in the public. Chile a man is water cannoned. I saw this type of vehicle in Melbourne before COVID.



- *Note: We don't know what is in the spray, viruses, bacteria or agents that impact people.*



- Queen Vic Markets, Melbourne: 76 arrests and 176 fines as protestors assembled for a second day in a row. The woman is telling the reporter the testing is a sham, its decimating our whole economy. Again, women being targeted. It is to stir violence. To justify oppression. It is evident that is a strategy. The new regime will put women in their place. Marxism is a masculine doctrine.
- *Note: the child was terrorised. Welcome to the Brave New World.*



- In Germany a man is dragged away in a headlock, another pulled up he faints and is left (no resistance), another is chased by police hits his head on a pole, more water cannons on the crowd. Looks like eastern Europe. A policeman has his knee on a protestors back, the woman is grabbed nearby pushed to the ground, she kicks out, 3 police and a fourth (look out – have seen this before), they put a bag on her head. She is screaming and he punches her twice in the shoulder. A man yells. This was not restraint it is targeting.
- The picture shows a banner citing 'fascism'. This is what is being demonstrated by police around the world. Interestingly, 48 is on the back of the police, that is a significant number for the elite. Another sign.
- *Note: What you do to another returns to the self comes to mind. It is universal lore.*



The heroes are the people.
 They will win in the end, as truth always does.
 Tyranny never has.
 We won't give up our freedom. It is who we are.
 I feel that message very strongly.



Officer Anderson: I've been in law enforcement for 10 years. Officers nationwide enforcing tyrannical laws against the people. Every time I turn on the television. Every time I look to the internet I am seeing people arrested or cited for going to church, travelling on the road ways, going surfing, opening their business and arrest them, and charge them with what. I don't know what crime people are committing we need to look at ourselves as officers and thinking is what I am doing right. I want to remind you that regardless of where you stand on the coronavirus we don't have the authority to do those things to people just because a mayor or governor tells you otherwise. We don't get to violate people's constitutional rights because somebody in our chain of command tells us otherwise



Commentator: November 2020, Italian police removed their hats in solidarity with the protestors following 18 days of protesting.



- *Note: The author of this report has been to Nuremberg. The sense throughout the COVID operation is that this is where the high level cooperation is going. Fascism is not the future. Neither are Smart Cities.*
- At the end of World War II a series of tribunals held in Nuremberg Germany for the prosecution for prominent members of the Nazi party. The first trial in history for crimes against the peace of the world imposes a grave responsibility. Their defence that they were just following orders was not enough to escape punishment



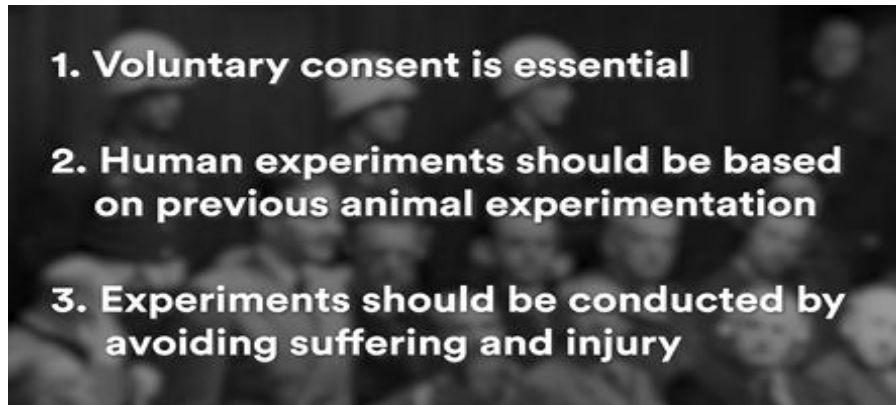
That same year Yale University Psychologist **Stanley Milgram** conducted a series of experiments that tested whether ordinary people would **inflict harm on another person** after following orders through an authoritative figure.

Man is **issuing 150 volts** to another man if he answers false. The other receiving the shocks is yelling and asking for it to stop. He looks at the authority figure who tells him to 'continue please'. You can see the man is concerned about the pain. He says 'the experiment requires that you continue teacher'. Keeps it impassive.

He doesn't know the other guy is an actor and shocks harmless, so it is to see if he will follow orders or pull the plug on the experiment – independent thought. Alarmingly the commentator states – the results suggest that any human is capable of this due to being disconnected from their actions when they comply with orders.

- The commentator is making the point about the police and it could be extrapolated to the broader experiment of social control and behavioural change. The experiment requires for you to stay home, to keep others safe. Hmmm. People are suffering...

- Following the trials the Nuremberg Code was created to protect people’s human rights, they include:



1. Voluntary consent is essential. 2. Human experiments should be based on previous animal experimentation. 3. Experiments should be conducted by avoiding suffering and injury.



- **Commentator:** With the current role out of the COVID-19 vaccination program we now see these fundamental human rights being violated again.
- **Dr Mike Yeadon, former Pfizer Chief Scientist:** We and others in the post war consensus lead to an international law that says that no medical procedures may be performed on a human being without their informed consent and they must benefit from it. Your government doesn't have the right to override that law. When people are saying you got to otherwise you can't go shopping, work or travel. Take them to court absolutely illegal no-one should stand for it.
- **Kennedy:** 75 years ago Herman Goering testified at the Nuremberg trials, he was asked how did you make the German people go along with all this. He said it is a easy thing, it is not anything to do with Nazism, it has to do with human nature. The only thing a government needs to make people into slaves, is fear, if you can figure out something to make them scared you can get them to do anything you want. Governments love pandemics they love pandemics for the same reason they love war. It gives them the ability to impose controls on the population that the population would otherwise never accept. We are telling them today you are not going to take away our freedom, you are not going to poison our children we are going to demand our democracy back, thank you all very much for fighting.

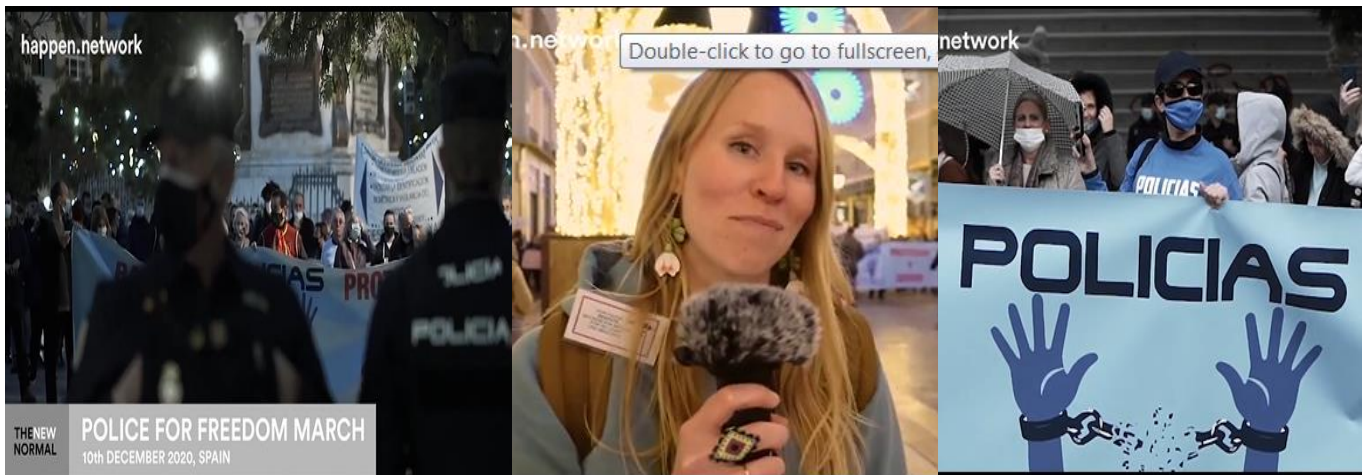


- Speaker:** you know 75 years ago we had millions of men 18 year old boys, 19 year old men, 20 year old men, 23 year old, going out fighting for King and country, Queen and country. These were brave young men they were shitting themselves the night before they went to war. They were terrified but they did it. And we now today us liberal intellectual men we are too afraid to go on the streets, to tear off a fucking mask of our face, excuse my language, this is the only time it is relevant to use bad language. We have got to step out of the indenture ship and enslavement because it is not going to just remove itself. There is no rescue mission. There is no cavalry coming to rescue us. This is going to get a lot worse. Now we can see it is out of control. How many 10's 000 if not hundreds of thousands if not millions of people around the world have died from other matters connected to forced lockdown, self isolation, grand parents unable to look into the eyes of their children and their grandchildren. These are crimes against humanity that cannot even be calculated okay. But when the audit is done, and it will be done, we will see that this corona, crowning event was the crowning glory of the emancipation of humanity. It is time for humanity to reclaim ourselves from this draconian tyranny. I'll leave it at that. Thank you very much.
- So do you believe that the vaccine will enable our lives to return back to normal (flashes back to Hancock fake crying). Or will we see a new normal, a world with harsh tyrannical rules governed by a centralised totalitarian state.



- Here is what Klaus, CEO from the World Economic Forum thinks.**

People assume we are just going back to the good old world which we had, and everything will be normal again, in how we are used to normal, in the old fashion. This is, let's say fiction. It will not happen umm the the cut.

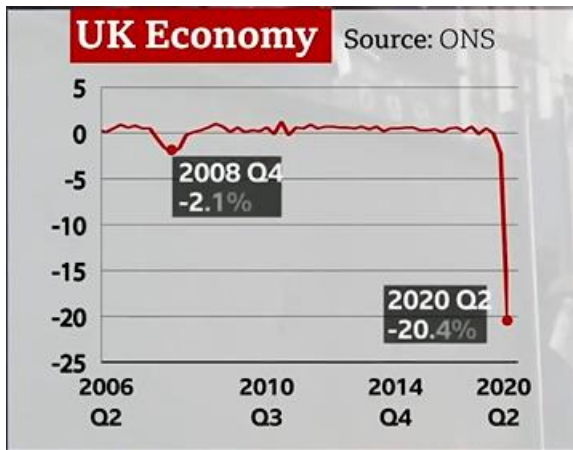


Narrator: There is an incredible movement beginning to take form here in Spain. A group of police officers have come together to start an organisation called Police for Freedom and now we are marching together with them standing up for our human rights and Constitutional liberties. History tells us that once the peaceful resistance gains the support of the police or the military we have 60% higher probability to be able to dismantle a tyrannical government. This is what is taking place right now.

- **Commentator:** November 2020, Stockholm. Experts in health care, law and banking from around the world have formed an alliance to protect our freedoms.



- **Prof. Delores Cahill** – World Freedom Alliance: Welcome everyone to Stockholm my name is Professor Delores Cahill from Ireland. It is my great honour and it is my privilege to welcome you to the World Freedom Alliance. Our goal is to provide information for what has been happening to try and coordinate to defend our freedoms and rights to ensure the governments we elect will defend our freedoms and rights. We want to welcome you to a world you and be healthy, free and hold people to account if they do something wrong.
- **Speaker:** Many people are hoodwinked into believing that the government give us our rights, that could not be further from the truth. Every Constitution in the world is a code of conduct for governments to follow to ensure and protect and defend and vindicate and uphold our rights, our rights that have been given us to our creator. The government doesn't give us our rights the government is obliged to protect those rights.



- Commentator:** These positive images are reassuring and provide hope but significant economic damage has been done this will lead many dependent on a universal basic income placing us into a weaker position to rebel or oppose tyrannical terms. This might be a long way off or is it happening already?



- Film:** UK announcement given this significant uncertainty a worsening economic backdrop and the need to give business and people security through the winter I believe it is right to go further. So we can announce today, that the ...scheme will not be extended for one month it will be extended until the end of March.

How will it End?

10.2 Institute for OneWorld Health

OneWorld Health was a 501(c)(3) nonprofit drug development organization founded in [San Francisco](#) in 2000 by [Victoria Hale](#).^[5] In December 2011, OneWorld Health became a drug development program of PATH.^[6] What was the Institute for OneWorld Health has become PATH's Drug Development program.

PATH's work

PATH's vision is "a world where innovation ensures that health is within reach for everyone." Its mission is "to improve the health of people around the world by advancing technologies, strengthening systems, and encouraging healthy behaviors."^[7]

PATH is best known for **developing and adapting technologies, such as improved vaccination devices and new tools to prevent cervical cancer**, to address the health needs of developing countries. It targets health problems, evaluates possible solutions, and assesses whether they would be useful in finding health solutions.^[4]

Steve Davis, PATH's President and CEO from 2012 to 2019, described the organization's role as a "**bridge-builder and innovator** on the global stage."^[8]

Health technologies

PATH develops, adapts, and advances technologies focused on disease diagnostics, drugs, vaccine delivery, nutrition, reproductive health, water and sanitation, and other areas.

Vaccine and pharmaceutical technologies

One of PATH's best-known technologies is the [vaccine vial monitor](#), a small sticker that adheres to a vaccine vial and changes color as the vaccine is exposed to heat over time. The sticker helps health workers know when a vaccine has reached its preset temperature limit and can no longer be safely used. It promotes more reliable vaccinations as well as cost savings, because health workers no longer have to throw out vaccine just because they suspect it has gone bad. [UNICEF](#) requires these monitors on all vaccines it purchases.^[9]

Another vaccine technology developed by PATH is the [Uniject injection system](#). **The single-dose, autolisabling injection system consists of a needle attached to a small bubble of plastic that is prefilled with medication.** The system is designed to prevent disease transmission and enable health workers with only a little training to administer vaccine and other drugs in remote villages.^[10]

Nutrition

PATH develops nutrition-focused **innovations such as [Ultra Rice](#)**, a manufactured, micronutrient-fortified "grain" that can be mixed with rice to fight malnutrition in countries where rice is a staple food.^[11] Made of rice flour, micronutrients, and nutrient-protecting ingredients, Ultra Rice can **mimic the look and taste of local rice** and deliver the specific micronutrients a population needs. Ultra Rice has been produced and tested in several countries, including Brazil, Burundi, and India, where it has been served in school-lunch programs.^{[12][13]} PATH is working with partners in Cambodia to distribute Ultra Rice through food assistance programs and deepen the evidence base for rice fortification. In Brazil, PATH has **partnered with a commercial rice producer to sell Ultra Rice** on supermarket shelves and reach 10 million low-income consumers in three years.^[14]

Sexual and reproductive health

Several PATH technologies address sexual and reproductive health, including:

- The *careHPV* test, developed in conjunction with [Qiagen](#) as the **first molecular diagnostic to screen for human papillomavirus (HPV)**—the most common cause of cervical cancer—in clinics in low-resource settings. China's State Food and Drug Administration approved the test for sale beginning in January 2013, followed by India and other emerging markets.^[15] The test is designed specifically for use in clinics that lack reliable clean water or electricity.
- The [SILCS diaphragm](#), a "**one size fits most**" contraceptive device. The device differs from traditional latex diaphragms in that it is made of silicone instead of latex, is designed to hold up to extreme temperatures and poor storage conditions common in developing countries, and will not require a doctor's fitting.
- The Woman's Condom, a new female condom designed to be more acceptable to both partners than other female condoms, plus easier to use, more secure, less noisy, and more comfortable. PATH transferred production of the condom to **Dahua Medical Apparatus Company in China in 2008**. The condom has received regulatory approvals in China and the European Union and became commercially available in China in late 2011.

PATH employs a user-driven design process for its reproductive technologies to meet women's specific needs.

10.3 Deep State Coronavirus, Jeffrey Epstein, and Harvard University³¹



Deep State Coronavirus from Wuhan, Jeffrey Epstein, and Harvard University

by

"TLDR" (Anonymous)

Originally Posted on [Reddit](#).

Foreword by

[Dr. Leonard G. Horowitz](#)

Editor-in-Chief, Medical Veritas International, Inc.

³¹ <https://medicalveritas.org/deep-state-coronavirus-jeffrey-epstein-harvard/>

Foreword

This important article links [Deep State agents Jeffrey Epstein](#), closely tied socially, financially, and in the intelligence community to [Bill Gates](#), together granting millions of dollars in funding to Harvard and MIT's black op genetic engineering "Media lab" projects, to the 2019 [Coronavirus outbreak](#) in Wuhan.

What is not mentioned by the author, although sought, is the overall purpose of the associations and outbreak.

The overall objective of the Wuhan coronavirus is not simply profitable depopulation and vaccine marketing.

Based on evidence advanced by [Johns Hopkins University's related investments in "growing" brain nerve cells to advance higher forms of human consciousness, genetically, evolutionarily, and pharmaceutically](#), is detailed in [The Ayahuasca Death Cult: The Psycho-Spiritual Delusion](#) (subtitled "Drug 'Therapy' for Depression or Mind Control for Profitable Transhumanism").

The main objective is to evolve the human race to interface with the Deep State's advancing [information technologies \(IT\) utilizing 5G and the Cloud, and the Silicon Valley's most promising "PROMIS"-like software](#), for optimal permanent control over civilization.

Therefore, we are republishing this important article, as this intelligence ties the Deep State's evolutionary biology technology, advancing novel viruses that [alter the human genome](#) (and facilitate genetic transformations and media intelligence operations promoting Big Pharma's drugs and vaccines) to the transhumanism movement that generations starting now will integrate by demonic imposition.

Wuhan Coronavirus, Jeffrey Epstein, and Harvard University

By "tldr"

Epstein gave [exorbitant amounts of money, at least \\$9 million](#) (pledged \$30 million) to researchers funded by [DoD, DARPA, IARPA, and NIH at Harvard University](#) with the expertise and technology to genetically engineer and improve bacteria and viruses.

One of Harvard's most prominent scientists who received \$18 million from DoD and NIH was arrested and charged for operating a [secret lab in Wuhan China](#) just hours ago – This researcher was given over \$1.5 million dollars to do so, in secret, by [Chinese](#) institutions.

Meanwhile, the area where the new coronavirus emerged (Wuhan) recently opened a biosafety level 4 lab (the only one in China, a country with 1.4 billion people) where researchers were actually studying and experimenting with the [genetics of coronaviruses](#) over the past few years before the emergence of this new strain.

Whether these things are linked or not remains to be seen, but each of these independent statements are in fact true.

In a way this post contains two **distinct conspiracy theories**, that I suspect may be linked together, hence my post.

A few years ago, I attended a private government research conference where Dr. George Church, Professor of Genetics at Harvard Medical School and Professor of Health Sciences and Technology at Harvard and MIT, was describing how his lab systematically altered the genome of a bacterial cell using synthetic biology and genetic engineering to make cells resistant to viruses.

There was some brief discussion of how these techniques could be used for the opposite purpose (to engineer viruses to improve them or make them less recognizable by the host, thus delaying the immune response).

Immediately following Dr. Church's presentation, other researchers and myself had a discussion about how frightening these technological capabilities were.

Over the years, this concern has always remained in the back of my mind and I've discussed it with others that didn't attend the talk on various occasions.

It is worth noting that a lot of **George Church's** recent research also involves the study and engineering of viruses. Most recently in his career, Dr. Church has been **funded by DARPA and IARPA**, with the most recently funded grant titled, '**Functional Genomic and Computational Assessment of Threats**' (by IARPA).

http://arep.med.harvard.edu/gmc/gc_grants.html

The description of this grant solicitation, if you search for it, starts with:

"The **biological sciences have experienced extraordinary growth** over the past decade. Technological advances in **DNA synthesis, sequencing, large gene construction, and data analysis** are expanding biological research and the **bioeconomy**, and are likely to enable revolutionary advances in medicine, agriculture, and materials. At the same time, these advances have intensified security concerns around the **accidental or deliberate misuse of biotechnologies**. One special concern regards DNA synthesis technologies that can be used to **create novel organisms**."

Hence, Dr. Church is obviously involved in the area of applying advanced techniques (lab based and computational) to engineer organisms to make them resistant to viruses (and potentially vice-versa, to engineer viruses), and is involved in the efforts to **combat the risks** involved.

Interestingly enough, **Dr. Church was one of the scientists most involved with Jeffrey Epstein**. He received funding from Epstein for the purposes of 'cutting edge science & education' from 2005 to 2007 (the funding was apparently **unrestricted**).

Epstein was convicted of soliciting an underage prostitute in 2008. Following his conviction, Dr. Church and Epstein continued to meet. According to an NBC report, "he had six phone calls and meetings with Epstein in 2014, as shown in Church's online calendar (he has posted one every year since 1999). Sample entry: "Jun 21, 2014 Lunch w/ Jeffrey Epstein, 12-1:30, **Martin Nowak's Institute**." (Nowak, a Harvard biologist/mathematician, is also a Brockman client and Edge participant.)

He also met with Epstein "several times" each year since, Church said."

These meetings were often between Church, Epstein, and Church's colleague Dr. Martin Nowak, Harvard Professor of Biology and Mathematics and Director of the Program for Evolutionary Dynamics.

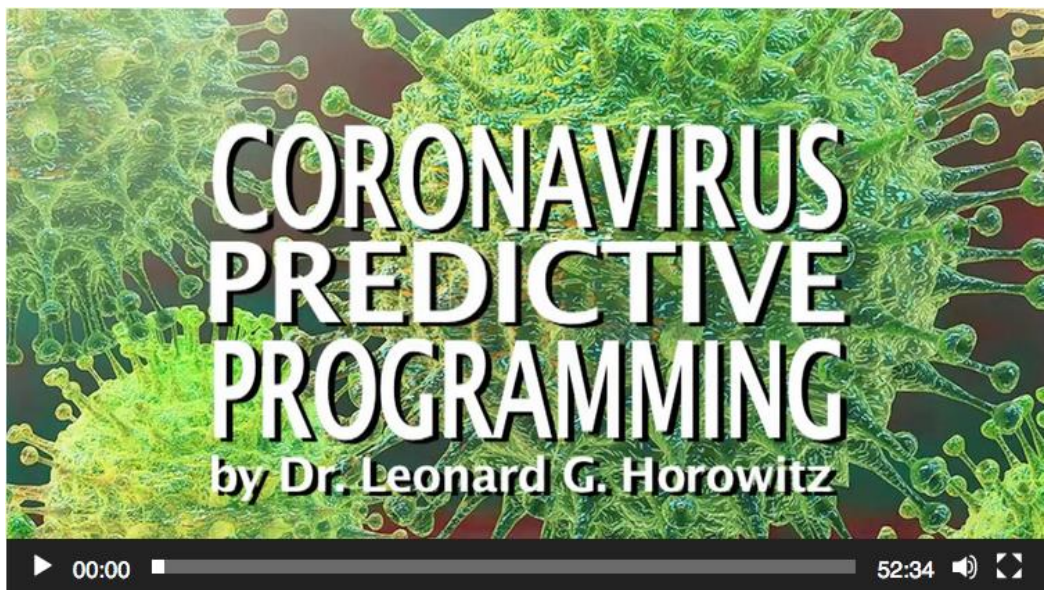
At the get-togethers with Nowak, Church said, "Epstein seemed interested in the science of life's origins and mathematically modeling the evolution of viruses".

Epstein had also previously given a whopping \$6.5 million dollars in research money to Dr. Nowak's lab at Harvard in 2003.

Apparently, Epstein had actually pledged a total of \$30 million dollars (which is an incredible amount of money for a university professor to receive for research; large government funded grants usually top out at \$2-3 million over several years) to Dr. Nowak's program.

I was not able to find additional information on what these talks in 2014 and beyond ultimately led to, or if more money was pledged to or received by these prominent scientific figures.

Another thing to add is that Nowak also has a record of studying and writing about viruses, such as his first book publication in 2000 titled, Virus Dynamics: Mathematical Principles of Immunology and Virology.



umping to a slightly different topic of discussion. There are other two other posts that stood out to me in this sub.

https://www.reddit.com/r/conspiracy/comments/ev7az3/wuhan_coronavirus_bioweapon_conspiracy_indepth/

This post describes a few things. First, Wuhan, China, the 7th most populated city in a country with 1.4 billion has a biosafety level 4 (BSL-4) laboratory that was recently established in 2015. It is apparently one out of

70 or so in the entire world (number was given by OP of the post linked above; my own search only turned up 52), and it is the only BLS-4 lab in the ENTIRE country of China.

For those unfamiliar with what BLS-4 refers to, they are labs involving the **study of the greatest biological threats and have the highest level of biosafety precautions.**

It is the sort of lab where researchers would attempt to study and perhaps modify something like a coronavirus. As the other redditor pointed out (and is also outlined in other [r/conspiracy](#) posts), there are lead scientists, such as Xing-Ye Ge, that study coronaviruses based out of Wuhan.

These studies are often carried out by a **team of 5-20 researchers**, usually across institutions.

<https://www.semanticscholar.org/author/Xing-Yi-Ge/5583604?sort=influence>

If you look up the Wuhan scientists research profile, you'll be able to find that this individual and his fellow researchers also **publish studies on adenoviruses in bats** (similar to Dr. Church's own virus-focused work on adeno-associated viruses, which are similar to adenoviruses and have similar applications; there is considerable overlap here). Further searching indicates that adenoviruses and adeno-associated viruses hold potential to serve as a vaccine for coronaviruses, and there are several studies on this.

Dr. Church's own work is related to this, as he studies **adeno-associated viruses** mostly in the context of delivering it as a sort of gene therapy for diseases. To be fair, however, these topics are outside my own area of expertise.

Now on to another recent reddit post:

https://www.reddit.com/r/conspiracy/comments/ev9adz/harvard_biologist_charles_lieber_taken_into/

Harvard Professor Charged With Lying About Aiding China



In the last 24 hours, a colleague of Dr. Church and Dr. Nowak, Dr. Charles Lieber, Professor and Chair of the Department of Chemistry and Chemical Biology at Harvard University, was arrested and criminally charged over a contract he made with a foreign university.

Where?

In Wuhan, China.

As a side note, it's worth pointing out to those unaware that all three of these people are some of the **highest-ranking academic officials at Harvard and are revolutionary scientists** in their respective fields. They would not at all be considered just minor or just moderately important figures at Harvard.

According to the Justice Department: "**Lieber, 60, lied about his contact with the Chinese program** known as the **Thousand Talents Plan**, which the U.S. has previously flagged as a serious intelligence concern. He also is accused of lying about about a lucrative contract he signed with China's Wuhan University of Technology."

Apparently, amongst other things, **Lieber established a secret research lab at the Wuhan university** and was given \$1.5 million dollars by the Chinese (in addition to salary and living expenses) to do so.

Meanwhile "Lieber was also the principal investigator on at least six **U.S. Defense Department research grants**, with a cumulative value of more than \$8 million, according to the affidavit.

It also says he was the **principal investigator** on more than \$10 million in **grants funded by the National Institutes of Health.**" So, Dept. of Defense... NIH...

For those that are unfamiliar with academia, you may be wondering “how often does a leading, well-funded academic scientist from the most prestigious university in the country **set up a secret lab with a foreign government?**”

This probably never happens, and it is extraordinarily – and I mean extraordinarily – odd and suspicious. **Researchers are sometimes solicited by foreign governments** and will leak or share info, but set up another lab somewhere else under the radar? Maybe a minor scientist would, but a major one?

I’ve never heard of such a thing.

Some other redditor mentioned that **Lieber’s research** seems to be mostly focused on **nanotechnology** rather than bioweapons research, and this is true.

However, he has been involved in previous research to use nanotechnology **to detect small viral particles in humans.**

Most oddly though, if you try to search **Charles Lieber’s Google Scholar page** (basically a page where you can find all scientific articles and books authored by a researcher), his page just went **dark**. It shows up in the Google search results, but says ‘No information available for this page’.

I kid you not, his Google Scholar page went down as I was writing this post. When you try to click on it, it strangely links you to the Google Scholar page of some completely different person.

In my mind, these are a series of very strange coincidences that seem to be **interconnected**.

As the redditor of the first link I posted put it, what are the odds that the new coronavirus that is now making world news just so happened to come out of the same place that the Chinese just set up their first **BLS-4 lab a few years ago** that also just so happens to be a place where researchers are studying coronaviruses?

What are the odds that, again, just in the last several hours, **one of the most prominent scientists at Harvard was arrested for setting up a secret lab in Wuhan, China?**

Also, **why was Jeffrey Epstein giving heaps and heaps of money to researchers at Harvard studying synthetic biology and genetic engineering**, who had the means to systematically **alter cells or viruses** – people receiving money from **secret defense agencies** such as DARPA and IARPA – and stated himself he was interested in modeling the evolution of viruses.

We need to look into these things further. Even if the Epstein-Church-Nowak part of the conspiracy doesn’t link to the Lieber-Wuhan Coronavirus portion, these two segments stand well on their own and I feel that despite having more of a background in nanotech instead of bioweapons, Liebers arrest for secret lab in Wuhan while the coronavirus problem continues to explode is just too much of a coincidence.

Why would someone getting \$10 million plus from U.S. funding agencies go through the hassle of setting up a secret lab in another country and risk his entire life’s work for less money. What was he doing there exactly?

I eagerly wait for more details to come out.

edit: One more thing, it keeps getting better. Another Redditor made this post: https://www.reddit.com/r/conspiracy/comments/evikbw/wuhan_institute_of_virology_an_ad_posted_2_months/ It's unclear who all is involved (such as Lieber or others), but this seems to be shaping up to be one of the better conspiracies I've seen on this board in a while.

10.4 WORLD *ECONOMIC* FORUM

10.4.1 2019 Event 201, World Economic Forum, Planned Coronavirus Simulation of a Global Pandemic

Event 201, World Economic Forum 3 months prior to COVID-19

Three months before the coronavirus outbreak, researchers simulated a global pandemic³²

By [Bridget Judd](#)

Posted Saturday 1 February 2020



Event 201 was designed to test **how we would respond** to a severe pandemic.



It began in healthy looking pigs: **a new coronavirus**, spreading insidiously within herds.

Farmers were the first to fall victim, succumbing to respiratory illnesses, ranging from **mild, flu-like symptoms to severe pneumonia**.

Flights were cancelled as the world's sharpest minds searched in vain for a vaccine.

But it was too late. Within six months, the virus had spread around the globe. A year later, **65 million people were dead**.

Unlike the most recent coronavirus outbreak, however, you probably haven't heard of this pandemic.

³²<https://www.abc.net.au/news/2020-02-01/coronavirus-outbreak-researchers-simulated-severe-pandemic/11906562>



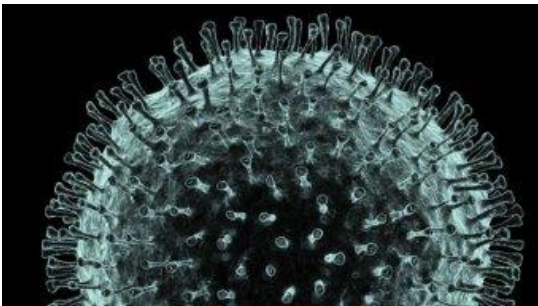
That's because it was all a simulation — developed some three months **before Wuhan**, China became the [epicentre of a global crisis](#).

A slow response can lead to a large outbreak

The [Event 201 scenario](#) — the brainchild of researchers at the Johns Hopkins Centre for Health Security³³ — was designed to test our **global preparedness** in the face of a severe pandemic.

They are quick to note that the simulation was in no way a prediction of the events that would follow it, and the inputs used for modelling the potential impact of the fictional virus are not similar to the current outbreak.

[From Wuhan to Australia](#)



[The deadly coronavirus is spreading across the globe, with no end in sight — here is a timeline of key events so far and what to expect next.](#)

However, according to **Dr Eric Toner, who worked on the simulation**, there are some parallels.

"Although Event 201 was simulating a very different kind of epidemic, we can see that a slow response when the number of cases is very small can lead to an outbreak that is hard to contain," he told the ABC.

"Now that the disease is widespread in China, we see the beginning of the cascading economic and societal consequences illustrated in our exercise."

There are also **lessons to be learnt from the simulation**, Dr Toner says — namely, the need for strong public health infrastructure and rapid action to **identify cases, isolate them and trace contacts**.

"Countries need to **ramp up testing** capacity as quickly as possible," he said.

"Furthermore, healthcare facilities should be preparing now to safely treat coronavirus patients while under isolation."

There are also lessons to be learned from the simulation, Dr Toner says. *(John Hopkins Centre for Health Security)*

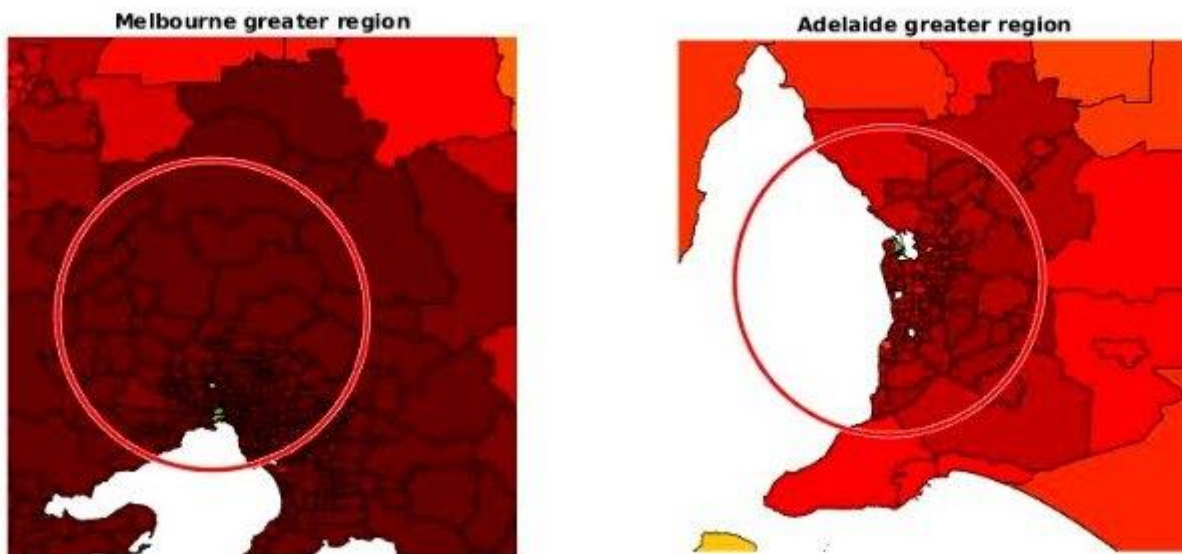
³³ Johns Hopkins is funded by Bill & Melinda Gates Foundation

Could we predict the spread across Australia?

Though Australia's relative isolation may help safeguard against the spread of the most recent coronavirus, as our spate of confirmed cases underscores, we are in **no way immune**.

According to researchers from the **University of Sydney**, increased arrivals by air and urbanisation have led to a **growing vulnerability to pandemics** in our cities. (*who in University of Sydney?*)

To highlight our susceptibility, the research team developed their own simulation, modelling the dynamic progression of influenza in Australia, based on anonymised data from the 2006, 2011 and 2016 censuses.



The dynamic progression of influenza in Australia as simulated by a 2016 model. Red circles are centred on the international airport of each city.

It shows the **disease quickly blooming in cities**, near large airports where it is introduced from overseas, followed by a more gradual diffusion into the countryside.

"The numbers [**confirmed cases of coronavirus**] that we're being given every new day... it is a very high rate, and this rate indicates that this new disease spreads faster [than the flu]," said Professor **Mikhail Prokopenko**, **Director of the Complex Systems Research Group which developed the simulation**.

"If we had the **numbers we could easily adapt the model** and make a meaningful simulation or prediction of it, but **I don't think many people know the real numbers at this stage**.

"What is being built right now in China, the prefabricated hospital buildings, the whole effort of **quarantining up to 60 million people, it's unprecedented**."

How can we respond?

As more information on the coronavirus comes to light, the advice from health authorities has shifted.

Those who have had any contact with a confirmed case of coronavirus are now being asked to [isolate themselves in their homes](#) for 14 days, while those who are infected are being quarantined in hospitals.

[Should Australians be worried?](#)



[Australia has a number of measures to help stop the spread of coronavirus — but with warnings the disease has a week-long incubation period, carriers could already be in the country.](#)

While some airlines, including [Lufthansa](#)³⁴ and British Airways, have begun suspending flights to mainland China, services into Australia have not been affected.

"I think the difficulty with this [coronavirus] is that there's so many unknowns," says Dr Katherine Gibney, an infectious diseases physician and medical epidemiologist at the [Doherty Institute](#)³⁵.

"Everyone wants there to be guidance across all the jurisdictions and to be consistent messages, but the challenge is, it's novel.

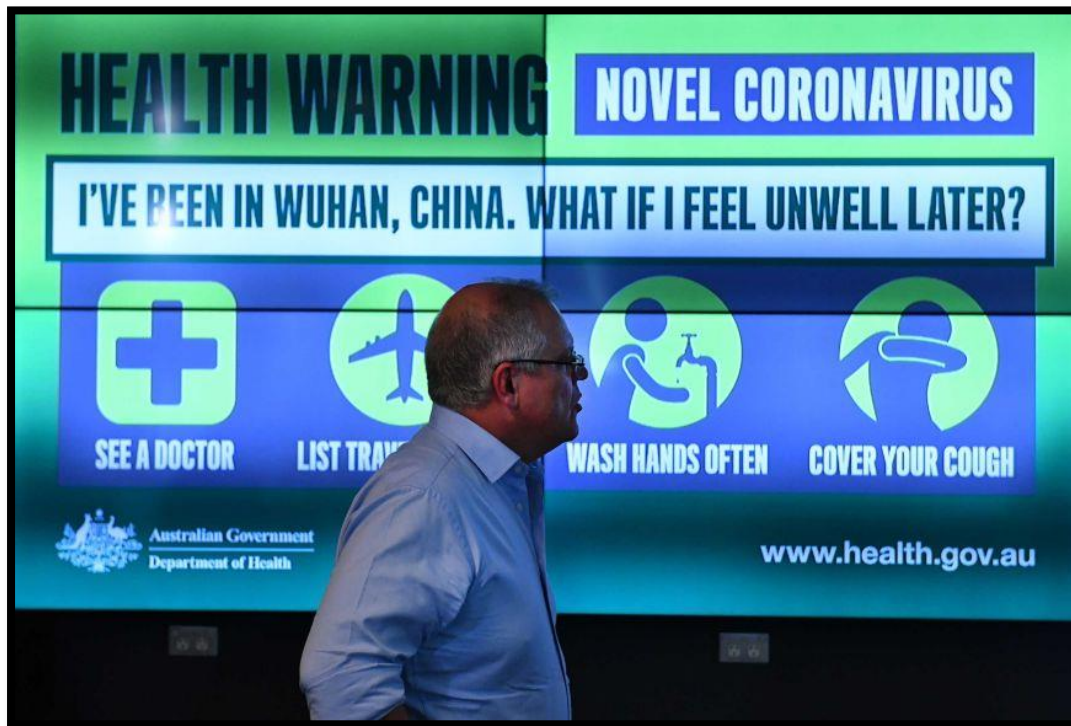
"We're making best guess assumptions based on closely related viruses... that seems to be standing us in pretty good stead, but each day there's new evidence emerging, and so it's inevitable that we're going to have to keep modifying the recommendations that we make."

Unlike many other developed nations, Australia does not currently have a national coordinating body responsible for communicable disease threats.

A national centre for disease control would eliminate the current "ad hoc" approach to preparing for and responding to outbreaks of infectious diseases, according to the [Australian Medical Association](#).

³⁴ *Luftansa was a participant at the World Economic Forum, Event 201*

³⁵ *Doherty Institute is funded by Bill & Melinda Gates Foundation*



Those who have had any contact with a confirmed case of coronavirus are now being asked to **isolate themselves** in their homes for 14 days. (AAP: Mick Tsikas)

"There's a lot of goodwill put in by the states and territories and no formal strategy," said **AMA NT President Dr Robert Parker**.

"If you have a national **centre for disease control**, you know who to ring.

"At the moment, given the rather amateurish, ad hoc structure, you have a problem and you develop a committee to deal with it rather than ongoing, proactive things."

In a statement, a spokesperson for the Department of Health said the strength of current systems and processes "mean the development of a **national centre for disease control is not necessary**".

"The Australian Department of Health has **collaborative arrangements in place** with health departments in states and territories for the prevention and control of communicable diseases, including ensuring robust surveillance systems are in place, preparing for emerging disease threats and responding to outbreaks."

10.4.2 2019 World Economic Forum Event 201 Simulation

Note: The event is called Event 201 because the world has seen about 200 events annually including Ebola, Zika, MERS and SARS. The Event 201 suggests they expected the next one and prepared for it.

Live Simulation Exercise to Prepare Public and Private Leaders for Pandemic Response

Published 15 Oct 2019

Kirsten Salyer, Public Engagement, Tel.: +41 79 265 8773; Email: kirsten.salyer@weforum.org

- The world has seen a growing number of **epidemic events, amounting to about 200 per year**
- Pandemics could cause average annual economic losses of **0.7% of global GDP**
- **Event 201 exercise will bring together public and private leaders** to inform multistakeholder cooperation for pandemic preparedness and response
- Follow the live virtual exercise from 08.50 - 12.30 EDT [here](#)

Geneva, Switzerland, 15 October 2019 – The Johns Hopkins Center for Health Security in partnership with the World Economic Forum and the Bill & Melinda Gates Foundation will host Event 201: a **high-level** simulation exercise for pandemic preparedness and response, in New York, USA, on Friday 18 October, 08.45 - 12.30 EDT.

The exercise will bring together business, government, security and public health leaders to address a hypothetical global pandemic scenario.

It will also feature [a live virtual experience](#) from 08.50 – 12.30 EDT to engage stakeholders worldwide and members of the public in a meaningful conversation of difficult high-level policy choices that could arise in the midst of a severe pandemic.

The world has seen a growing number of epidemics in recent years, with about 200 events annually including **Ebola, Zika, MERS and SARS**. At the same time, collective vulnerability to the social and economic impacts of infectious disease crises appears to be increasing. Experts suggest there is a **growing likelihood of one of these events becoming a global threat – or an “event 201” pandemic** – that would pose **disruptions** to health and society and cause average annual economic losses of 0.7% global GDP, similar in scale to climate change.

*“We are in a **new era** of epidemic risk, where essential public-private **cooperation** remains challenged, despite being necessary to mitigate risk and impact”* said Arnaud Bernaert,

Head of Shaping the Future of Health and Health Care, World Economic Forum.

*“Now is the time to scale up **cooperation** between national governments, key international institutions and critical industries, to enhance global capacity for **preparedness and response**.”*

The International Health Regulations (IHR) that unite 196 countries across the globe in a legal commitment to prevent and respond to acute public health risks, prioritize both minimizing public health risks and avoiding unnecessary interference with international traffic and trade.

Minimizing **prevent, detect, and respond to outbreaks generally**.

*“We live in an increasingly **interconnected** world, and we must help all UN member states align with the International Health Regulations and be prepared to prevent, detect, and respond to acute outbreaks,”* said

Chris Elias, President of Global Development at the **Gates Foundation**.

*"If we fail to do so, the world will be **unprepared** for the next pandemic."* (Gates)

"In this new era of extreme pandemic threat, public-private cooperation is essential for an effective response," said Tom Inglesby

Director of the **Johns Hopkins Center** for Health Security.

*"While governments and public health systems are already strained due to the increase in dangerous outbreaks, experts agree that a severe, fast-spreading **human-to-human pandemic** incident could happen at any time. We believe this well-crafted and thorough realistic tabletop exercise will provide leaders with a deeper understanding of the impact of epidemics on their communities and inspire them to take important steps to advance prevention and response."*

The participants in the live simulation represent a range of backgrounds and industries and include:

- Latoya Abbott, Risk Management/Global Senior Director Occupational Health Services, **Marriott International**
- Stan Bergman, Chairman and CEO, **Henry Schein**
- Sofia Borges, Senior Vice President, **UN Foundation**
- Chris Elias, President, Global Development division, **Bill & Melinda Gates Foundation**
- Tim Evans, Former Senior Director of Health, **World Bank Group**
- George Gao, Director-General, **Chinese Center for Disease Control**
- Avril Haines, Former Deputy Director, **Central Intelligence Agency**; Former Deputy National Security Advisor (under Obama)
- **Jane Halton**, Board member, ANZ Bank; Former Secretary of Finance and Former Secretary of Health, **Australia**
- Matthew Harrington, Global President and Chief Operations Officer, **Edelman**
- Chikwe Ihekweazu, Director General, **Nigeria Centre for Disease Control**
- Martin Knuchel, Head of Crisis, Emergency and Business Continuity Management, **Lufthansa Group Airlines**
- Eduardo Martinez, President, **The UPS Foundation**
- Stephen Redd, Deputy Director for Public Health Service and Implementation Science, **US CDC**
- Paul Stoffels, M.D., Vice Chair of the Executive Committee and Chief Scientific Officer, **Johnson & Johnson** (note: Adrian Thomas featured in the first video)
- Hasti Taghi, Vice President and Executive Advisor, **NBCUniversal Media**
- Lavan Thiru, Chief Representative, **Monetary Authority of Singapore**

Similar high-level pandemic exercises designed to address difficult policy issues have included: [Dark Winter](#), examining the **challenges of a biological attack on the US**; [Atlantic Storm](#), asking NATO leaders to respond collaboratively to a bioterrorist attack; and most recently, [Clade X](#), calling on US government leaders to make difficult national security and public health decisions in the face of a rapidly evolving global crisis.

In addition, **Bill Gates co-chaired a simulation at the Forum's Annual Meeting 2017**, resulting in the creation of the **Epidemics Readiness Accelerator**, a public-private platform to address effective readiness in issues including travel and tourism, supply chain and logistics, legal and regulatory, communications and data innovations.

Notes – Video 1 “a high-level simulation exercise for pandemic preparedness and response”

The notes below are taken from video footage and roundtable of experts at the Johns Hopkins Event 201. This event was held at the **World Economic Forum and sponsored by Bill & Melinda Gates Foundation** (vaccines) and Johns Hopkins Center for Health Security. The fact it is an economic forum not a health forum is a key focus. The fact that they did not invite civil society, despite the perception of public, is indicative of the focus. They made clear it was a public-private collaboration. What was evident listening to the narrative is that the pandemic is clearly expected. They could argue it is preparedness, but I do not think it is just a future scenario. I gained the impression the event was a practice run before the real one. IN fact the CDC head Anthony Fauci said in a video in 2017 that there would definitely be a pandemic by 2019. That quote is in this submission. Moreover, Bill & Melinda Gates Foundation are the drivers for organisation the vaccination industry which consists of a few very large multinationals. They created the Decade for Vaccines (2010-2020) which is about getting out as many vaccines as possible. The foundation has funded many of the pro vaccine voices and this emphasis was evident. There were no representatives from healers, or alternative herbs to deal with imbalance in the body wellbeing. The thinking from scientists is a war mentality to attack a disease or worse biologically alter viruses then patent them and create markets. As this research progressed it became evident this is a long term industry, it has come out of germ warfare (military labs) and those critical voices have stated it is definitely a lab created virus. The problem with all interventions by private corporations into social areas is that they make a market out of social problems. It is in their interest to expand the market not end the problem. There is also the added problem of eugenics. It is evident that the Rockefellers, Rothschilds, Gates (senior), Wellcome, Lord Pirbright have interests in eugenics which is about creating a genetically pure race and depopulation. Bill Gates junior stated on a TED talk about the problem of population and that family planning, vaccines will bring it down.

So the clear issues here are:

- 1) created pandemic for profit and restructure
- 2) global domination 2030 agenda
- 3) smart industry driven coordination
- 3) corruption in UN
- 4) economic global collapse
- 5) fascist New World Order
- 5) Vested interests promoting vaccines
- 6) mandatory vaccinations
- 7) DNA medicines affecting DNA (nanotech)
- 8) chipping and ID2020
- 9) endless war pandemics
- 10) full spectrum dominance
- 11) Information control
- 12) ONE world, ONE health, ONE education, ONE food supply, ONE biotech, ONE World Government
- 13) Smart Cities & 5G automation, AI

The use of viruses, bacteria's or any pathogen in a market whether it be warfare or business, is deeply dangerous for humanity. Anyone can make their own virus and release it and it can create the conditions for data gathering, surveillance, control and further deaths. It is a major issue for humanity far worse than any nuclear misadventure. You can't see them building anything, it is in labs. The virus is not visible and whole countries can be held to ransom as it is used as a bioweapon. A prioners dilemma for sure. So here are the notes, you decide what you think. I have my sense of what I think happened. This quote I won't forget:

"Create a pandemic that could realistically occur"

Roundtable Discussion

Pandemic Emergency board

Highly experienced leaders

Public health

Civil society

Top decision makers

National government

Business

International organisations

Director of Johns Hopkins

NOT pandemic experts

Participate based on own expertise and professional judgement

None know the details

201 scenario is fictional based on public health principals

Epidemiology modelling

Past pandemics

"Create a pandemic that could realistically occur"

Those interested in our assumptions will be publicly available

Policy discussions controversial high stakes issues

High level input

Avril Haynes

Jane Halton Department of Health and finance (Prime Minister & Cabinet, WHO, NAB)

China CDC

Introduce Ryan Morehard lead global health security group world economic forum

Say a few words

Centre for health security

Strength global health security

200 epidemic events this year, globalisation, climate change, urbanisation, deforestation

New era of epidemic risk

One of these days will be a fast moving pandemic

All hands on deck approach

Public-private cooperation

Challenges

Work together

\$570 billion annualised risk pandemics

Rivals climate change

Means pandemic risk to lives is at a level that governments and businesses can't afford to ignore

Count on this conversation to form work and collective preparedness

Protect lives and livelihoods

Dr Mike Ryan WHO Health Emergencies program

- Irish
- IHR emergency committee for **Ebola**
- Issues dealing with maybe table top exercises but address real and critical threat
- Epidemic risk global strategic before
- Never had to respond so many health emergencies
- This is a **New Normal**
- I don't expect frequency of these epidemics to reduce
- Vulnerability – developed and developing increased
- Driven by **human behaviour, economic development, population density**
- Scenario could easily become ONE shared reality one day
- I fully expect that we will be confronted by a **fast moving highly lethal** pandemic of respiratory pathogen. Question is are we prepared to globally respond, are we ready to cooperate across countries and sectors
- Established surveillance and risk assessment systems, communications
- Supply chains
- Protect economic development
- Protect political and social systems
- Do we **collectively drive innovation** to face evolving global threats we are anticipating (data)
- The nature of pandemics – countries affected at the same time. This is the case with a respiratory pathogen as **transmitted by asymptomatic persons**. Spread fast.
- 2009 pandemic reached all continents in 9 weeks
- WHO priorities - minimum capacity in each country around the world
- Global strategies containment and control
- Global mechanisms cross sectional multinational and multilateral cooperation
- Innovation and partnership, joint strategies global health leaders and drivers of travel, communications and data technology industries
- Global mechanism – cooperation
- Working all levels strengthen preparedness
- Global outbreak alert and response network
- PITT framework – adapted by member states 2011
- WHO secured 400 million vaccine doses influenza
- 10 million anti-viral treatments

- 250,000 diagnostic kits for the next pandemic
- External evaluations 100 countries, 50 simulation exercises, looking for vulnerabilities
- Helps countries to assess capacities
- Enhanced preparedness
- Readiness accelerator WEF, public-private, globally connected supply chain support health emergency operations
- Stakeholders product manufacturers, logistics providers, distributors, UN partners
- Constant innovation, cutting edge technology, pull data and analytics
- Data ecosystem big data networks to understand and predict pandemics
- Minimise economic consequences

FOOTAGE (comments)

- Coronavirus looks big
- Sick people
- Mild flu to severe pneumonia
- Many died
- International travel caused it to become a pandemic
- Severe pandemic
- Only solved by global business and governments
- Health and economic impacts severe
- WHO convened this board
- Advise leaders, governments on the response to pandemic
- International problems – collaboration business and government
- Tom Inglesby (Johns Hopkins university)
- Chinese GNN compere
- CAPS
- [Novel coronavirus related to SARS in 2003, MERS](#)
- Each infected person infects 2 more people
- Transmissible
- About as contagious as influenza
- Double every week
- 16 x month
- Find a way to interrupt transmission
- [Densely populated](#)
- Strain on health care
- Serious respiratory disease
- [Fatality rate 10%](#)
- As lethal as SARS
- 2-4 x lethal as 1918 influenza pandemic
- Mild flu like symptoms
- Alarmingly they can spread it not realising they are doing so
- Symptom free – in hours get ill
- Isolate infected individuals
- Transmitted through air from person to person
- All people are susceptible
- Severe pandemic, globe
- CAPS worse than 1918 50-100 million killed
- If models accurate hundreds of millions
- Numbers and distribution
- Majority cases brazil, south America, Portugal, US, china

- Double number of cases
- ½ million rise exponentially
- 10 million cases
- Economic indicates
- Markets down
- Policy crisis – global allocation and distributed of medical counter measures – vaccines, drugs, other medical supplies
- Need vaccine game changing
- Leading experts vaccine highly unlikely
- Anti-viral does look like it will work
- Complicated not successful at licenced vaccine, takes time, years
- Can't rely on old time lines, crisis, move beyond, effective treatments sooner
- Treat people immediately
- 65% polled eager to take vaccine
- Masks and gloves – rise
- Hospitals running low
- Critical supplies dwindling
- Stockpiling supplies, dangerous shortages
- Johns – vaccines
- No existing vaccine
- Working intensively, highly unlikely in less than a year
- Vaccines prevent infection
- Treats HIV
- Extronavere HIV
- Not enough
- Lives saved by anti-viral won't slow pandemic like a vaccine
- Capacity to save many people
- How distribute supplies?
- Supply chain pandemic is different
- How supplies allocated
- Humanitarian organisations – access to anti-virals
- Low and middle income – highest mortality
- N95 respirators in critically short supply, Manufactured by many companies, no reliable estimates
- Surge capacity
- Temporary shortages
- X 2-3
- 1st: [Stephen Redd US CDC](#) (military, Navy) - How suppress transmission – study? Where? Measures don't require medicines – hospitals, schools,
- Critical infrastructure, treatment courses
- Challenge ourselves on vaccine production
- 2nd [Adrian Thomas](#) (Johnson & Johnson): Flexibility regulatory, we should not slow down, pursue it, accelerate production of anti-virals, seen it HIV crisis, right people, procurement through the global fund, clarity of need
- [Jane Halton](#) – challenge what to do in short time, vaccines anti-viral, low to middle income concern supply chain tied out before they figure out how to finance, we know H1N1, stop it early, look at transmission, variety of measures, could end up supply chain gone, what is the likely route of transmission, secure and distribute supply
- [Timothy Evans World Bank](#): lessons how managing outbreak, inform ways to decrease need for scarce resources, what significantly different patterns. All middle income, high income, Jane mentioned low income surveillance systems aren't sensitive enough or worried they will be at the bottom of the food

chain. World bank proactive move to exercise a CIRC constituency emergency response component to existing loans, they can repurpose those loans, financing CIRCS built into loan, no problem lack of resources

- Financial means mass production
- Companies have financial ability
- Do we think there should be an international resource or distribution method or are we really is this going to be every country for itself
- Honest broker centralised control brings together, global and local
- Transparency and communications at the local level critical
- Decentralised approach, focus on how spread controlled, logistics, protect staff , chain breaks apart
- Protect people, centralised or not work
- Delivering medicines around the world
- [Sofia UN Foundation](#) – unequal access to technology, UN worldwide footprint, universal membership, Ebola crisis trust fund established, call on member states to contribute to help those least able
- [Christopher Ellis](#) (Bill & Melinda Gates Foundation): have data, sharing information in real time patterns of disease come out international health regulations, allocation of scarce commodities, dashboard where supplies are e.g. 95 masks are, people make bad decisions, global stockpile. Reality we don't have logistics even in UN in one place, collaboration between international orgs WHO and private sector, runs supply chains, understands where the supplies are, people who need them
- [George Gao China CDC](#): centralised, china large population, pig production, if virus transmitted from pigs, serious, prioritise, farmers, expert to assess
- We have capacity, not enough
- [World Bank](#): 2019 to remember to remember in 2016 WEF World Food Program this scenario. Everyone suffers short term memory deficit. Supply chain management where deployed. CEPI established to accelerate vaccines where a coronavirus is one of its indications and areas of focus, likewise on financing criteria would be triggers pandemic financing facility, money into international pool. Resources may not be well understood
- Emergency briefing on resources so not overlook
- Concise communication with health facilities, no mass panic, news, media right communication channel so they don't have mass panic
- Centralised body addressing production and supply chain, communications, containment prevention
- What is happening rest of Asia – how assure people, people hoarding PPE
- Scarcity, also severity, stakeholder, provider, who is taking care of patients
- Panic – people hoarding, dysfunctional decisions
- Providers how they are taking care of patients, diagnostics
- **Jumping to a conclusion that it is spreading to the same degree.**
- SARS still in boxes, not used, not impervious masks
- How severe is the epidemic
- [Johns Hopkins](#): Severity distinctions in case fatality rate, data collection. Looks like it is the same, different data collection
- Fatality rates 7-10%
- Blank spots surveillance systems
- [Avril Haines](#) – can't go alone. International mechanism for coordinating, collection information, what are the resources to execute on allocation and coordination. Challenging to set up says that mechanism has to be the body that decides what the allocation is. States will want to decide. Challenge using an existing mechanism, UN the base of operations, funding and other issues for allocation, coordination etc. making sure states are stepping up, tell people what they are doing, decisions, transparency, what allocation to contain this issue. Put pressure on states to do what the larger plan is doing

- Centralised stock pile developed, how much can you imagine states contributing 1%, 20%, china's not making enough to take care of china, what is desired end state?
- Avril: percentage depends on details, capacity, don't know how much under these circumstances. Public health perspective interest in promoting all ... in to international efforts to contain the issue, focus for everybody, prevent downstream impact. Question through international mechanism really promote commitments, if they contribute more they will have a better change of protecting their own populations.
- **Jane Halton**: production committed on contracts. Forward consumption for product. Countries brought about emergency situations co-opt supply chain. Figure out where it is going H1N1 we bought vaccine (Australian government) gave some US who had supply shortage. Work out biggest vulnerabilities, who has control of supply chains, where for the greater global good. Any government that says they are going to share offshore, challenge domestically, PITT framework, organised
- Globalism
- Business health and scientific combat rising rhetoric and misleading information.
- **Stephen Redd**: Define aim of using counter measure, not likely from data this counter measure is going to suppress transmission, minimise severity and prevent death rather than emerging pandemic, how important communication is. Public communication should be truthful about how severe it is. Countries will negotiate with manufacturing, whatever that sharing agreement won't be perfect, done quickly so sharing takes place
- Government break contracts? Make decisions with the counter measures
- Multiple supply chains – companies withdrawing anti-viral, understand how ARV's who may not have a disease, demand forecasting, supply chains, resource dense, people producing masks
- Public communication

Notes to editors

Learn more about the exercise [here](#) and follow the exercise at #Event201 and @JHSPH_CHS, @wef and @gatesfoundation

Join the live virtual experience and register at <http://www.centerforhealthsecurity.org/event201/>

Learn more about the Forum's Epidemics Readiness Accelerator [here](#)

Read the Forum's report "Outbreak Readiness and Business Impact" [here](#)

Read about the Transformation of Biological Risk in the Forum's 2019 Global Risk Report [here](#)

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10.4.2.1Avril Haines (ex CIA)

Note: It is evident that Avril Haines does not have experience in disease control or public health, her expertise in intelligence gathering, targetting and would be trained to look for threats, excerpts as follows: "...From 2001 until 2002, Haines was a legal officer at the Hague Conference on Private International Law.[14] From 2002 until 2003, she served as a law clerk for United States Court of Appeals for the Sixth Circuit Judge Danny Julian Boggs... the Legal Adviser of the Department of State, first in the Office of Treaty Affairs and then in the Office of Political Military Affairs... Deputy Director of the Central Intelligence Agency, first female career intelligence officer to be named Deputy Director... tasked with determining whether CIA personnel involved in the hacking of the computers of Senate staffers who were authoring the Senate Intelligence Committee report on CIA torture would be disciplined... she was involved in the CIA project of redacting the Senate report[32] for release... working closely with John Brennan in determining administration policy on "targeted killings" by drones. The ACLU strongly criticized the Obama policy on drone killings as failing to meet international human rights norms.[33] During the Democratic National Committee email leak during the 2016 presidential campaign, Haines as DNSA convened a series of meetings to discuss ways to respond to the hacking and leaks... Haines was an outspoken supporter of President Trump's controversial nomination of Gina Haspel to serve as CIA director... Haspel was reportedly involved in the operations of CIA secret black site torture sites in 2002 and 2003. She also has admitted her role in helping destroy videotapes of torture by CIA interrogators. At least one progressive nonprofit leader has said he or she feared "professional reprisal" for speaking out publicly in criticism of Haines' support of Haspel as CIA director... appointed to multiple posts at the Columbia University... working on the Columbia World Projects... most basic and fundamental challenges the world is facing... consulted for a variety of for-profit entities with business interests related to American national security policy, including Palantir Technologies and WestExec Advisors..."

From Wikipedia, the free encyclopedia

Avril Haines



Deputy National Security Advisor

In office
January 11, 2015 – January 20, 2017

President [Barack Obama](#)

Preceded by [Tony Blinken](#)

Succeeded by [K. T. McFarland](#)

4th Deputy Director of the Central Intelligence Agency

In office
August 9, 2013 – January 10, 2015

President [Barack Obama](#)

Preceded by	Michael Morell
Succeeded by	David Cohen
Personal details	
	Avril Danica Haines
Born	August 29, 1969 (age 50) New York City, New York , U.S.
Political party	Democratic
Spouse(s)	David Davighi
Education	University of Chicago (BA) Johns Hopkins University Georgetown University (JD)

Avril Danica Haines (born August 29, 1969) is an American lawyer and former government official who served as the White House [Deputy National Security Advisor](#), serving in [Barack Obama](#)'s administration.^[1] She previously served as [Deputy Director of the Central Intelligence Agency](#), the first woman to hold this position.^[2] Prior to her appointment to the CIA, she served as Deputy Counsel to the President for National Security Affairs in the [Office of White House Counsel](#).

Her term as CIA Deputy Director coincided with the [global surveillance disclosures](#), the CIA [hacking into the computers of U.S. Senate employees](#), and the release of the U.S. [Senate Intelligence Committee report on CIA torture](#). She replaced [Tony Blinken](#) as White House [Deputy National Security Advisor](#), a position she held until the end of the Obama administration.^[3]

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[4External links](#)

Early life and education[[edit](#)]

Haines was born in the [New York City](#) borough of [Manhattan](#) on August 29, 1969, to parents Adrian (*née* Rappin) and [Thomas Haines](#).^[4] Her mother was a painter. Adrian developed [chronic obstructive pulmonary disease](#) and contracted avian [tuberculosis](#), leading to her death when Haines was fifteen years old.^[4] Her father is a biochemist and professor emeritus at City College, who helped found the [City University of New York](#) medical school, where he served as the chair of the biochemistry department.^[5] After graduating from [Hunter College High School](#), Haines traveled to [Japan](#) for a year and enrolled in [Kodokan](#), an elite [judo](#) institute in [Tokyo](#).^[4] In 1988, Haines enrolled in the [University of Chicago](#) where she studied [theoretical physics](#). While attending the University of Chicago, Haines worked repairing car engines at a mechanic shop in [Hyde Park](#).^[4] In 1991 Haines had taken up flying lessons in [New Jersey](#), where she met her future husband, David Davighi. She later graduated with her [Bachelor of Arts](#) in [physics](#) in 1992.^[6]

Haines in 2013



In 1992, Haines moved to [Baltimore, Maryland](#) where she enrolled as a [doctorate student at Johns Hopkins University](#). However, later that year, Haines dropped out and alongside her future husband, purchased an auctioned bar in [Fell's Point, Baltimore](#) which had been seized in a drug raid;^[4] turning the former bar into an independent bookstore and café.^[7] She named the store Adrian's Book Cafe, after her late mother; Adrian's realistic oil paintings filled the store.^{[7][8]} The bookstore won City Paper's "Best Independent Bookstore" in 1997 and was known for having an unusual collection of literary offerings, local writers, erotica reading nights, and small press publications.^{[8][9]} Adrian's hosted a number of literary readings, including [erotica](#) readings, which became a media focus when she was appointed by the President to be the Deputy Director of the CIA.^{[10][11]} She served as the president of the Fell's Point Business Association until 1998,^[12] when she enrolled at the [Georgetown University Law Center](#). Haines later received her [Juris Doctor](#) from Georgetown in 2001.^[13]

Career



L to R: [Susan E. Rice](#), Avril Haines and [Lisa Monaco](#), (2015)

From 2001 until 2002, Haines was a legal officer at the [Hague Conference on Private International Law](#).^[14] From 2002 until 2003, she served as a law clerk for [United States Court of Appeals for the Sixth Circuit](#) Judge [Danny Julian Boggs](#).^[15]

From 2003 until 2006, Haines worked in the Office of the [Legal Adviser of the Department of State](#), first in the Office of Treaty Affairs and then in the Office of Political Military Affairs.^[16]

From 2007 until 2008, Haines worked for the [United States Senate Committee on Foreign Relations](#) as Deputy Chief Counsel for the Majority [Senate Democrats](#) (under then-chairman [Joe Biden](#)).^[17] She then worked for the State Department as the assistant legal adviser for treaty affairs from 2008 to 2010.^[18]

In 2010, Haines was appointed to serve in the office of the [White House Counsel](#) as Deputy Assistant to the President and Deputy Counsel to the President for National Security Affairs at the White House.^[19]

On April 18, 2013, Obama nominated Haines to serve as [Legal Adviser of the Department of State](#), to fill the position vacated after [Harold Hongju Koh](#) resigned to return to teaching at [Yale Law School](#).^[20] However, on June 13, 2013, Obama withdrew Haines' nomination to be Legal Adviser of the Department of State, choosing instead to select her as [Deputy Director of the Central Intelligence Agency](#).^[21] Haines was nominated to replace [Michael Morell](#), the CIA's deputy and former acting director. The office of the deputy director is not subject to Senate confirmation, with Haines subsequently taking office on August 9, 2013, the final day of Morrell's tenure.^[22] Haines was the first woman to ever hold the office of the deputy director, while [Gina Haspel](#) was the first female career intelligence officer to be named Deputy Director.^{[23][24][25][26][27][28][29][30]} In 2015 Haines was tasked with determining whether CIA personnel involved in the hacking of the computers of Senate staffers who were authoring the [Senate Intelligence Committee report on CIA torture](#) would be disciplined. Haines chose not to discipline them, overruling the CIA Inspector General.^[31] Subsequently, she was involved in the CIA project of [redacting the Senate report](#)^[32] for release. She was also the first female Deputy National Security Advisor (DNSA).

During her years in Obama White House, Haines played a significant role **working closely with John Brennan** in **determining administration policy on "targeted killings" by drones**. The ACLU strongly criticized the Obama policy on drone killings as **failing to meet international human rights norms**.^[33] During the **Democratic National Committee email leak** during the 2016 presidential campaign, Haines as DNSA convened a series of meetings to discuss ways to respond to the hacking and leaks.^[34]

After government service

In 2018, Haines was an outspoken supporter of **President Trump's** controversial nomination of Gina Haspel to serve as CIA director. While not commenting on Haspel's record, she praised her knowledge of the agency and intelligence, a position hailed by the White House as it promoted Haspel's confirmation.^{[35][36]} Haspel was reportedly involved in the operations of CIA **secret black site torture** sites in 2002 and 2003. She also has admitted her role in helping **destroy videotapes of torture by CIA interrogators**.^[37] At least one progressive nonprofit leader has said he or she **feared "professional reprisal"** for speaking out publicly in criticism of Haines' support of Haspel as CIA director.^[38]

After leaving the White House, Haines was appointed to multiple posts at the Columbia University. She is a senior research scholar working on the Columbia World Projects, a program designed to bring to bear academic scholarship on some of the most basic and fundamental challenges the world is facing. Haines is also a fellow at the Human Rights Institute and National Security Law Program at Columbia Law School.^[39]

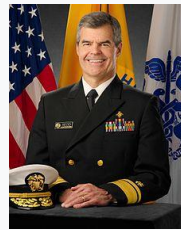
Haines also serves on the bipartisan National Commission on Military, National, and Public Service. The commission was created by Congress both to develop recommendations to inspire more Americans, in particular young people, to participate in public service and to review the military selective service process.^[40]















Haines has consulted for a variety of for-profit entities with business interests related to American national security policy, including **Palantir Technologies** and WestExec Advisors.^[41] In late June 2020, shortly after taking on the role of overseeing foreign policy and national security considerations for the **Joe Biden 2020 presidential campaign** transition team, **references to Palantir and other corporations for which she had worked were abruptly removed from her resume** as posted on the website of the **Brookings Institution**, in relation to a fellowship she held there.^[42]

10.4.2.2 Stephen C. Redd – Center for Disease Control and Prevention

*Note: Stephen Redd was a global leader attending the World Economic Forum, Event 201 coronavirus simulation. Stephen C. Redd is a U.S. physician and rear admiral with the U.S. Public Health Service and an Assistant Surgeon General. With over 30 years of public health and executive leadership experience, he currently serves as Director of the Office of Public Health Preparedness and Response at the Centers for Disease Control and Prevention. Previously, he was the Director of the CDC's Influenza Coordination Unit, where he served as the incident commander for the 2009-2010 H1N1 pandemic influenza response...He earned an undergraduate degree in history from Princeton University and graduated with honors from the Emory University School of Medicine. He is a member of Alpha Omega Alpha Medical Honor Society. Redd completed his residency in medicine at Johns Hopkins Hospital in Baltimore, Maryland...Following residency training at the Johns Hopkins Hospital Redd joined CDC in 1985 as an Epidemic Intelligence Service Officer in the National Center for Infectious Diseases, where he investigated outbreaks of bacterial respiratory diseases, such as Legionnaires' disease, conducted laboratory studies, and conducted nationwide surveys... director of the CDC's Influenza Coordination Unit and was responsible for ensuring CDC's readiness for an influenza pandemic. Redd worked across CDC, with state and local governments, and other federal agencies to develop and test response plans connecting international, federal, state and local efforts...CDC's readiness to respond to public health emergencies by overseeing the CDC's Division of State and Local Readiness, Division of Strategic National Stockpile, Division of Emergency Operations and Division of Select Agents and Toxins... **Under his leadership, CDC's Emergency Operations Center (EOC) has been activated for global and local health emergencies including the West Africa Ebola virus epidemic, Zika virus, the Flint Water Crisis, and Polio eradication efforts.***

Stephen C. Redd



Allegiance	 United States of America
Service/branch	 U.S. Public Health Service
Rank	 Rear admiral
Unit	 USPHS Commissioned Corps
Awards	<ul style="list-style-type: none">  USPHS Distinguished Service Medal  USPHS Meritorious Service Medal  Outstanding Service Medal  USPHS Commendation Medal  USPHS Achievement Medal  Outstanding Unit Citation  USPHS Unit Commendation  Bicentennial Unit Commendation  Crisis Response Service Award  Field Medical Readiness Badge
Website	www.CDC.gov

Stephen C. Redd is a U.S. physician and rear admiral with the [U.S. Public Health Service](#) and an Assistant Surgeon General. With over 30 years of public health and executive leadership experience, he currently serves as Director of the Office of Public Health Preparedness and Response at the [Centers for Disease Control and Prevention](#). Previously, he was the [Director of the CDC's Influenza Coordination Unit](#), where he served as the incident commander for the [2009-2010 H1N1 pandemic](#) influenza response.^[1]

Early life education

Redd grew up in Atlanta, Georgia and played football and soccer in high school. He earned an undergraduate degree in history from [Princeton University](#) and graduated with honors from the [Emory University School of Medicine](#). He is a member of [Alpha Omega Alpha Medical Honor Society](#). Redd completed his residency in medicine at [Johns Hopkins Hospital](#) in Baltimore, Maryland.^[1]

Career

Following residency training at the Johns Hopkins Hospital Redd joined CDC in 1985 as an [Epidemic Intelligence Service](#) Officer in the National Center for Infectious Diseases, where he investigated outbreaks of [bacterial respiratory diseases](#), such as Legionnaires' disease, conducted laboratory studies, and conducted nationwide surveys.^{[1][2]}

Following his EIS training, Redd joined the CDC's International Health Program Office, where he worked on [childhood survival projects in Africa](#) to develop diagnostic and treatment strategies for malaria and [acute respiratory infections](#).^{[1][3]}

Redd has investigated and led the U.S. response for some of the most notable public health outbreaks, including Legionnaires' Disease in the 1980s and measles in the 1990s; he later served as an integral part of [CDC's Anthrax Response in 2001](#).^{[1][2][4]} Redd also led a team that evaluated the effect of air pollution regulations on deaths from carbon monoxide poisoning.^[5] In 2005, Redd was deployed on behalf of CDC to coordinate federal efforts and work closely with Louisiana health officials to recover from [Hurricane Katrina](#).

Influenza Coordination Unit and H1N1 Pandemic Response

In 2006, in order to have a more comprehensive agency approach to its far-reaching influenza activities, the CDC created the Influenza Coordination Unit to prepare for and respond to severe influenza pandemics.^[2] From 2006 through 2014, Redd served as the director of the [CDC's Influenza Coordination Unit](#) and was responsible for ensuring CDC's readiness for an influenza pandemic. Redd worked across CDC, with state and local governments, and other federal agencies to develop and test response plans connecting international, federal, state and local efforts.

When the [H1N1 pandemic influenza virus](#) was first identified in April 2009, Redd was named Incident Commander where he led [CDC's H1N1 response](#), including case surveillance, public communication and education, developing and disseminating clinical guidance, and vaccination efforts.^[1] The CDC's emergency response was active from April 2009 to March 2010. During the response, [81 million Americans were vaccinated](#), and over one million cases, 18,000 hospitalizations and 600 deaths were prevented through vaccination and antiviral treatment.^{[6][7]}

Office of Public Health Preparedness and Response

On January 1, 2015, Redd was asked to serve as the Director of the Office of Public Health Preparedness and Response.^[8] Redd continues to serve in that capacity and is charged with ensuring international, federal, state and local efforts to prepare for and [respond to public health emergencies](#) are effective, and that the United States is protected from a range of health threats CDC's readiness to respond to public health emergencies by overseeing the CDC's Division of State and Local Readiness, Division of [Strategic National Stockpile](#), Division of Emergency Operations and Division of [Select Agents](#) and Toxins.^[9]

Under his leadership, CDC's Emergency Operations Center (EOC) has been activated for global and local [health emergencies](#) including the [West Africa Ebola virus epidemic](#), [Zika virus](#), the [Flint Water Crisis](#), and [Polio eradication efforts](#).^[10]

Publications

Redd has authored over **120 scientific publications** on a variety of topics, including: [pandemic influenza](#), [Legionnaires' disease](#), acute respiratory infections, [malaria](#), [measles](#) and [asthma](#).

Personal life

Redd is married and has two adult children. His wife, Judy is a **radiologist** in private practice in Atlanta. He and his family attend Christ the King Cathedral. Redd's son was a Boy Scout and achieved Eagle Scout rank, and Redd served as an Assistant Scout Master in an Atlanta Area Council Troop. Redd also volunteers with the Atlanta Commissioned Officers Association on a regular basis.

10.4.3 WHO's Ryan says Eradication of New Coronavirus is Unlikely

Note: In July 2020 Dr Mike Ryan, head of the World Health Organization's emergencies program, said on Friday it was unlikely that the new coronavirus would be eliminated. This statement is an extraordinary statement given the alternatives like Hydroxochloroquine which Dr Fauci said was effective and the suppressed Chlorine Dioxide, Vitamin C, Vitamin D and Zinc treatments which do work. The statement conveys the idea that people have to live with it and thus justifying the "new normal". Is this a statement to embed the New World Order of less rights, social distancing, permanent contact tracing or is it fascism under the guise of endless wars on diseases (remember 911).

Duration: 01:33 10/07/2020

Dr Mike Ryan, head of the World Health Organization's emergencies program, said on Friday it was unlikely that the new coronavirus would be eliminated.

<https://www.msn.com/en-au/lifestyle/wellbeing/whos-ryan-says-eradication-of-new-coronavirus-is-unlikely/vi-BB16AzAv>

This is what Dr Ryan said October 18, 2019 in his introductory speech at the World Economic Forum Simulation. Notes as follows:

Dr Mike Ryan WHO Health Emergencies program

IHR emergency committee for **Ebola**

Issues dealing with maybe table top exercises but address **real and critical threat**

Epidemic risk global strategic before

Never had to respond so many health emergencies

This is a **New Normal**

I **don't expect** frequency of these epidemics to reduce

Vulnerability – developed and developing increased

Driven by human behaviour, economic development, population density (*note: change behaviour, change economics, change population, climate change*)

Scenario could easily become ONE shared reality one day (*note: he is speaking about ONE Health, ONE education and ONE Government*)

I fully expect that we will be confronted by a **fast moving highly lethal pandemic of respiratory pathogen**. Question is are we prepared to globally respond, **are we ready** to cooperate across countries and sectors (*note: Future Ready and globalisation*)

Established surveillance and risk assessment systems, communications

Supply chains

Protect economic development (*this may refer to big business, smart cities, AI*)

Protect political and social systems

Do we collectively drive **innovation** to face evolving global threats we are anticipating (*innovation is data*)

The nature of pandemics – countries affected at the **same time**. This is the case with a respiratory pathogen as transmitted by **asymptomatic** persons. Spread fast. (*note the comment of asymptomatic*)

2009 pandemic reached all continents in 9 weeks

WHO priorities - minimum capacity in each country around the world

Global strategies **containment and control** (*note: this is a counter-terrorism and military narrative*)

Global mechanisms cross sectional multinational and multilateral cooperation

Innovation and partnership, joint strategies global health leaders and drivers of **travel, communications and data technology** industries (*strategically stop travel, monitor communications, online data gather*)

Global mechanism – cooperation

Working all levels strengthen preparedness

Global outbreak alert and response network

PITT framework – adapted by member states 2011

WHO secured 400 million vaccine doses influenza (*was influenza a practice run?*)

10 million anti-viral treatments

250,000 **diagnostic kits** for the next pandemic

External evaluations 100 countries, 50 simulation exercises, looking for vulnerabilities

Helps countries to assess capacities

Enhanced preparedness

Readiness accelerator WEF, **public-private**, globally connected supply chain support health emergency operations (*private profit agenda's involved*)

Stakeholders product manufacturers, logistics providers, distributors, UN partners

Constant innovation, cutting edge technology, pull data and analytics (*justify data gathering*)

Data ecosystem big data networks to understand and predict pandemics (*what if they are planned?*)

Minimise economic consequences (*for whom?*)

10.5 The World Economic Forum

10.5.1 Global Future Council on the New Agenda for Fragility and Resilience³⁶

Even before COVID-19, extreme climate events, conflict and protracted crises produced escalating levels of fragility. The pandemic and the economic and social aftershocks are taking a toll on those who are most vulnerable and fuelling poverty, inequity and instability. Deepening fragility is rapidly becoming a local, regional and global issue – making it everyone’s risk. The international aid system faces the incompatible demands of the growing needs of people and contracting funding levels. Funders now seek to respond with greater flexibility; at the same time, the system is opening more to opportunities for direct engagement from the private sector. Better preparedness for future shocks, however, will require true innovation and an evolution of roles in the international aid system. Applying lessons learned from the COVID-19 response, the Global Future Council on the New Agenda for Fragility and Resilience will focus on how to:

- **Accelerate the transformation** of the international aid system with **new business models** and multistakeholder partnerships.
- **Unlock the full potential** of digital technology for more effective responses.
- Build resilience through support to local actors and markets.

Co-chairs

[Peter Maurer, President, International Committee of the Red Cross \(ICRC\), Geneva](#)

[Tara Nathan, Executive Vice-President, Public-Private Partnerships, Mastercard, USA](#)

Council Manager:

Andrej Kirn, Head of International Organizations and Humanitarian Agenda, World Economic Forum

Miriam Schive, Community Lead, IO and Regional Strategies - North America, World Economic Forum

³⁶ <https://www.weforum.org/communities/gfc-on-the-new-agenda-for-fragility-and-resilience>

10.5.2 World Economic Forum’s Vision and Action

Network of Global Future Councils 2016-2018

The World Economic Forum’s Network of Global Future Councils is the world’s foremost interdisciplinary knowledge network dedicated to promoting innovative thinking on the future. The network convenes more than 700 of the most relevant and knowledgeable thought leaders.

The 2016-2018 term convened experts from academia, government, business and civil society to challenge

conventional thinking and develop new insights and perspectives on the key global systems, as well as the impact and governance of emerging technologies.

This report provides an overview of the 34 Global Future Councils in the 2016-2018 term, including council mandates and objectives, achievements and the list of members.



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The Future of Artificial Intelligence and Robotics

Mandate and objectives:

Explore how developments in artificial intelligence and robotics could impact industry, governments and society in the future, and design innovative governance models that ensure that their benefits are maximized and the associated risks are kept under control.

Council outputs:

- Five podcasts created as part of the World Economic Forum’s [A Glimpse into the Future](#) podcast series:
 1. [Autonomous Systems](#) with Mary Cummings, Director, Humans and Autonomy Lab, Duke University

2. [AI and Decision-making](#) with Bob Goodson, Chief Executive Officer and Founder, Quid Inc.
3. [Robots, Society and Employment](#) with Illah Nourbakhsh, Professor of Robotics at Carnegie Mellon University
4. [Widespread Artificial Intelligence](#) with Stuart Russell, Professor of Computer Science at the University of California, Berkeley
5. [Specialized Robots Development and Integration](#) with Alex Wyatt, Founder and Chief Executive Officer, August Robotics

The Future of Biotechnologies

Mandate and objectives:

Explore how developments in biotechnology could impact industry (especially agriculture and health), governments and society in the future, and design innovative governance models that ensure that their benefits are maximized and the associated risks are kept under control.

Council outputs:

- Contributed to Chapter 11 of the book [Shaping the Fourth Industrial Revolution](#)
- EMBO journal article "[The power of synthetic biology for bioproduction, remediation and pollution control](#)", which explains how the biotech revolution can support the SDGs
- An article published in the [Biotechnology Journal](#), which examines how some of the most well-known biotechnologies (genome editing, stem cell therapy, tissue engineering and precision medicine) can benefit patients and provide perspective on the additional value these same technologies could offer 20 years from now, after addressing technical challenges as well as ethical, legal and socio-economic concerns
- Created a series of World Economic Forum's Agenda blogs: "How biotechnology is evolving in the Fourth Industrial Revolution" by Victor de Lorenzo; "Precision healthcare: how maths can revolutionise medicine" by Diego Oyarzun; "Trust in tech governance: the one success factor common to all 4IR technologies" by Conrad Von Kameke
- A podcast on [The importance of food and precision medicine in the ageing society](#) with Sang-Yup Lee
- A briefing paper that advances the agenda of industrial biotech within the chemicals industry presented at the Governors meeting at the Annual Meeting 2018
- Cross-council collaborations in industrial biotechnology with the Chemistry and Advanced Materials industry
- Science-based recommendations on how to increase chances for effective governance of emerging technologies to earn political and societal trust, incorporating lessons from the history of GMOs. Served to launch the [TIGTech initiative](#), supported by the World Economic Forum and in collaboration with Fraunhofer Institute of Systems and Innovation Research. The initiative seeks to understand how governance may differ, and in what ways, if the earning of trust is considered and incorporated into governance design
- Supported the [Bio-Innovation Dialogue Initiative](#) and contributed to the white paper [Bio-Innovation in the Food System: Towards a New Chapter in Multistakeholder Collaboration](#)
- Served as advisory board to the [Precision Medicine Project](#)

The Future of Blockchain

Mandate and objectives:

Explore how the blockchain could impact industry, governments and society in the future, and design innovative governance models that ensure that their benefits are maximized and the associated risks are mitigated.

Council outputs:

- White paper on [Blockchain Beyond the Hype](#), which presents a practical framework designed to assist executives in understanding whether blockchain is an appropriate and helpful tool for their business needs
- An editorial document that provides an overview of the most interesting and promising experiments using distributed ledger technology to deliver innovative solutions to global challenges
- Three podcasts created as part of the World Economic Forum's [A Glimpse into the Future](#) podcast and [Mapping Global Transformations](#) series:
 1. [Technology and Governments](#) with Toomas Hendrik Iives, President of Estonia (2006-2016), on a successful transition to e-governance
 2. [Blockchain](#) with Jamie Smith, Global Chief Communications Officer at BitFury Group, on the technology behind the Bitcoin
 3. [Blockchain](#) with Will Knottenbelt, Professor at Imperial College London, and Catherine Mulligan, Co-Director, Centre for Cryptocurrency Research and Engineering at Imperial College London
- Curation of the [Blockchain Transformation Map](#) led by Catherine Mulligan, with the support of other council members

The Future of Cities and Urbanization

Mandate and objectives:

Identify the systemic problems encountered by cities and how to apply solutions in the context of the Fourth Industrial Revolution. The council collated best practice examples of how cities are using new technology, data collection and analysis to improve services and liveability for their citizens. They also collated best practice examples of how cities are embracing agility as they harness the opportunities provided by the Fourth Industrial Revolution.

Council outputs:

- White paper on [Agile Cities: Preparing for the Fourth Industrial Revolution](#) highlights what cities need to do to prepare for the opportunities provided by the Fourth Industrial Revolution
- White paper on [Data Driven Cities: 20 Stories of Innovation](#) highlights examples from around the world of how cities are using new technology, data collection and analysis to improve services and liveability for their citizens. The report is part of a wider initiative by the World Economic Forum to empower city leadership in preparedness for the transformations of the Fourth Industrial Revolution
- Series of Agenda blogs, including ["Cities must manage their water better or risk drought"](#) by Toshiko Mori and Virginia Gresham; ["Lessons in public transport, from a mountain city with 20 volcanoes"](#) by Mauricio Rodas Espinel; ["How tomorrow's buildings will make you – and the planet – healthier"](#) by Diane Hoskins; ["How smart tech helps cities fight terrorism and crime"](#) by Robert Muggah; ["Here's how nature and cities can thrive together"](#) by Carlo Ratti; ["Cities can become smarter, by going circular"](#) by Anil Menon; and ["Why this Danish city is rebuilding itself out of recycled rubble"](#) by Ida Auken
- 2017 Forum on the Future of Cities: Cities & the Fourth Industrial Revolution (4IR) Conference, co-hosted by the Global Future Council on Cities and Urbanization and MIT, Smart Dubai and PwC on 13 November 2017 in Dubai, UAE
- Future Mobility conference, masterclass and workshop in BloxHub, Copenhagen, Denmark, co-hosted with the Danish Design Centre and the Danish Municipality of Faaborg-Midtfyn, on Wednesday 27 June 2018
- Podcast on [Cities and Urbanization](#) with Abha Joshi-Ghani, Senior Adviser, Infrastructure, Public-Private Partnerships and Guarantees, The World Bank, and Carlo Ratti, Director, SENSEable City Laboratory MIT; created as part of the World Economic Forum's [A Glimpse into the Future](#) podcast series
- Assistance with framing the Global Shapers' City Preparedness for the Fourth Industrial Revolution challenge

The Future of Computing

Mandate and objectives:

Explore how developments in computing could impact industry, governments and society in the future, and design innovative governance models that ensure that their benefits are maximized and the associated risks are kept under control

Council outputs:

- Chapter contribution from Ghida Ibrahim, Data Scientist, Infrastructure Engineering at Facebook Inc., to the white paper [The Digital Arab World: Understanding and embracing regional changes in the Fourth Industrial Revolution](#). The white paper was launched at the World Economic Forum Annual Meeting 2018
- Chapter contribution to the book [Shaping the Fourth Industrial Revolution](#) on "New Computing Capabilities"
- Workshop on "Shaping forms and uses of computing for a human-centred, inclusive future in the Fourth Industrial Revolution" at the Hewlett Packard Executive Briefing Centre in Palo Alto, USA, June 2018
- Two podcasts created as part of the World Economic Forum's [A Glimpse into the Future](#) podcast series:
 1. [Computing](#) with Justine Cassell, Associate Dean, Technology, Strategy and Impact, School of Computer Science, Carnegie Mellon University
 2. [Quantum Computing, Energy and Health](#) with Jeremy O'Brien, Director of the Centre for Quantum Photonics, University of Bristol
- A suite of thought products on the future of computing for the Forum's community, which ranges from physical materials sciences to developments in interface technology, AI, the quantum potential of computing. This included the Agenda blogs ["A new era of computing is coming. How can we make sure it is sustainable?"](#) and ["By 2030, this is what computers will be able to do"](#); as well as videos and articles

The Future of Consumption

Mandate and objectives:

Explore the future of the system of consumption, addressing the following dimensions: changing face of the consumer; new patterns of consumption, and advancement of technology.

Council outputs:

- Produced three case studies:
 1. Forget Altruism! Terracycle's Diaper Venture to Monetize the Circular Economy's Dirtiest
 2. Alibaba's China Fish Pond Venture: Crystal Ball into the Future of Global Consumption?
 3. The Rakuten of (All) Things: 'Data with Soul' to Challenge Amazon

- Contributed a series of blogs, including "We can recycle everything we use, including cigarette butts and toothbrushes. So why don't we?" by Tom Szaky; "The Future of Consumption – A Closer Look" by Sandeep Dadlani; "We don't need to consume less – we just need to design better products" by Lewis Perkins; "From spider silk shoes to algae fuel, welcome to the new age of biotech" by Andras Forgacs; and "How to build a business in the circular economy" by Tomas Casas and Stefan Legge
- Podcast on the future of Consumption with Elaine Coventry, Head, Commercial Leadership, Western Europe, The Coca-Cola Company; created as part of the World Economic Forum's A Glimpse into the Future podcast series

The Future of Cybersecurity

Mandate and objectives:

Establish a comprehensive picture of the implications, impacts, and effects of cyber risk within the future systemic environment of the Fourth Industrial Revolution across industry and innovation, government and policy regulation, and civil society. From an executive decision-making perspective describe how cybersecurity can serve as a key element, enabler and shaper of system design and the development of new technologies in the Fourth Industrial Revolution.

Council outputs:

- Scenarios for the Cybersecurity Futures 2025 initiative, a collaboration between the World Economic Forum's

Centre for Cybersecurity, UC Berkeley Center for Long-Term Cybersecurity and CNA's Institute for Public Research, which aims to shape a forward-looking research and policy agenda to create a cybersecurity landscape in 2025 and help decision-makers in government, industry and civil society reduce frictions, seize opportunities for cooperation and better prepare for the future

- A dialogue series on scenarios involving the public and private sectors
- Podcast on Cybersecurity with Alan D. Cohn, Adjunct Professor, Georgetown University Law Center, created as part of the World Economic Forum's A Glimpse into the Future podcast series

The Future of Digital Economy and Society

Mandate and objectives:

Advise the World Economic Forum System Initiative on Shaping the Future of Digital Economy and Society, which aims to shape an inclusive, sustainable and trustworthy digital future. Also, identify future issues and solutions and generate insights on six shared global goals: access and adoption; responsible digital transformation; fit-for-purpose governance; secure and resilient processes; human-centric digital identities; and trusted data sharing.

Council outputs:

- Acted as an advisory body for the World Economic Forum System Initiative on Shaping the Future of Digital Economy and Society to shape its interventions on six shared global outcomes: access and adoption; responsible digital transformation; fit-for-purpose governance; secure and resilient processes; human-centric digital identities; and trusted data sharing. Council's contribution to thought leadership included a 2017 analysis of opportunities, risks and strategies in the digital economy and a 2018 publication *Our Shared Digital Future* identifying priorities for global collaboration on these six outcomes.

- Acted as key facilitators at the 2018 Digital Economy & Society Community Meeting, 20-21 March, in San Francisco to advance collaboration on the six outcomes
- Contributed podcast on the Digital Economy with Arun Sukumar, Head of the Cyber Initiative at the Observer Research Foundation; Marietje Scheske, Member of the European Parliament; and Richard Soley, Chairman and Chief Executive Officer of the Object Management Group, and Executive Director of the Industrial Internet Consortium; created as part of the World Economic Forum's *A Glimpse into the Future* podcast series
- Contributed blogs on Forum Agenda including Brendie Nonnecke on how AI can make our societies equal, Scott David on how Fourth Industrial Revolution can help us prepare for the next natural disaster, Carl Bildt on redefining Europe and Europeans, Maya Bundt on cyber risks and insurance, Mei Lin Fung on making the digital economy sustainable, and Arvind Gupta on the value of data
- Contributed to the Transformation Map on digital economy and society

The Future of Education, Gender and Work

Mandate and objectives:

Act as an expert advisory committee and "think tank" in the World Economic Forum's System Initiative on Education, Gender and Work, which brings together all the activities of the Forum on these themes in a systemic way, and explore issues such as defining the core features of a future-ready education ecosystem, creating the right framework for increased participation of women in the 21st century workplace and identifying successful talent strategies, policies and regulations for emerging labour markets and the Future of Work.

Council outputs:

- Scoped out the framework for a new Forum project – The Promise of Platform Work – to be taken forward by the Centre for the New Economy and Society in 2018-2019. The project will 1) seek to define platform work and the challenges within each type of platform model; 2) gather the available evidence of collaboration and best practices from platforms and policy-makers around the world; 3) drive dialogue between policy-makers and business leaders (from platforms across a range of industries) to shape the global discussion on managing and creating standards for digital on-demand platform work; and 4) gather business commitments for implementing new standards for platform work
- Contributed to the World Economic Forum System Initiative on Shaping the Future of Education, Gender and Work Preparing for the Future of Work project by serving as an advisory board for the development of a range of scenarios for The Future of Jobs Report 2018, published at the World Economic Forum Annual Meeting 2018

- Co-created three white papers on:
 1. Realizing Human Potential in the Fourth Industrial Revolution
 2. Accelerating Workforce Reskilling for the Fourth Industrial Revolution
 3. Accelerating Gender Parity in the Fourth Industrial Revolution
- Contributed blogs on Forum Agenda, including "4 predictions for the future of work" by Stephane Kasriel; "Skill, re-skill and re-skill again. How to keep up with the future of work" by Stephane Kasriel; "6 ways to make sure AI creates jobs for all and not the few" by Stephane Kasriel; "Yes, our working lives are going through massive change, but that doesn't mean we're heading for a jobless world" by Stephane Kasriel; "By 2030, will we all be our own boss?" by Stephane Kasriel; "The future is automated, but what does that really mean for jobs?" by Laura D'Andrea Tyson; "The way we work is changing. This is what it could mean for you" by Laura D'Andrea Tyson; "What happens when we all live to be 100?" by Lynda Gratton; "What the banking world reveals about unconscious bias" by Eric Parosdo; "Why closing the gender gap should be a priority for all of us" by Eric Parosdo; "Feel undervalued at work? New research shows why that might be" by John Evans; "Technology is changing the way we live, learn and work. How can leaders make sure we all prosper?" by Erik Brynjolfsson; "Latin America has the biggest skills gap in the world. Here's how to bridge it" by Monica Flores and Angel Melguizo; "4 things all job-seeking millennials should remember" by Monica Flores; "Why do we work and what do we get out of it?" by Yoko Ishikura; "Study, work, retire. Time to scrap the old pattern of working life" by Yoko Ishikura; "Only 11% of architects and engineers are women. Let's build a new pipeline for female talent" by Neediya Moosjee; and "Globalization has created wealth – but for whom?" by Rene Farooher

These are just a few examples of this global vision they are seeking to embed in our world. Glossy brochures can look impressive but what really counts at the end of the day is the intention not marketing. They are seeking to force change not invite to look at their blueprint. They speak collaboration but civil society is not a key player.

Research into the globalist oligarchs reveals ideologies and practices that are not serving humanity but enslaving humanity into systems that serve this 1%. The focus on money, profit, status and power is what distorts a natural vision for humanity. We get blinded by our ambition, we believe the inequality is resultant from lack of effort or using the system. The structural inequalities have been deliberately designed into the current economic system to create a working class and a ruling class. The former work to generate income and the later invest the profits making money out of investments rather than hard work. This creates a division and discrimination arises as those who have done well believe they are superior to those who have not. This can become the basis for depopulation of those of no value to the compliance framework erected through IT. Life on earth is not about economics it is about infinite potential. We are not valuing human potential and this is how viruses are released.

10.6 2025 SPARS: Johns Hopkins University SPARS 2025-2028 Future Scenarios

Source: **Video** (see Attachments) The Spars Pandemic 2025 to 2028 Simulated at the Johns Hopkins University in 2017_mp4_Low_

JOHNS HOPKINS UNIVERSITY SPARS FUTURE SCENARIOS

This is Diana Lezka (I am unaware of spelling as it was extracted from the phonetic video).



CDC: This is a for profit organisation it is not a part of our government but it is a private entity that makes billions of dollars, off the drugs, vaccines they have been making you and your children take. CDC is a private company

WHO: This organisation is run by a person who does not have any real medical credentials. These organisations are run by maniacal maniacs.

It is becoming a time of Dr Mengeles and Gestapo nurses, that is what is going to be happening in this country.

COVID-19 will never go away. This is your 'new normal' for the rest of your life. Have any of you seen the trailer Songbird (coming out of the end of 2021) C21, C22, C23. It is never going away.

This started off as a **scenario in 2019**. October 18, **John Hopkins University Even 21, 2021** it is known as took place. A scenario was created dealing with this happening with Wuhan China, then all of a sudden barely a month later all of a sudden it starts taking place for real in the world.

Starting to get it yet. If you think this is bad.

I printed this out Johns Hopkins University, these scenarios on vaccines and drugs are done regularly. Every other vaccine. Every other drug that has been brought out for profit by these pharmaceutical corporations. They create a script. COVID-19 is going to turn into the SPARS pandemic 2025-2028. It's never going away they are going to keep giving you drugs, injecting you with filth and chemical. None of this stuff is really a vaccine. It is filth, garbage and chemicals. Keeping you ill for decades. Making your children ill for

decades. They are going to keep doing this to you over and over again.

Look this up go online print out your copy The SPARS pandemic 2025-2028. This is your future, this is your children's future because **YOU GAVE IN SO WILLINGLY** to the lie and now they got you. A handful of people are running the world – the **Rothschild banks** control all the banks in the world. The International Fund with the pharmaceutical corporations are taking everything from you. They want it all. It is never going to stop. I am going to show you a few things in this scenario.



COVID-19 started as a scenario just like this which is forthcoming for you (SPARS pandemic). Let's go over some of these details. Hopefully you can see this

This is published by Johns Hopkins Center for Health Security



Note: They always say they work to protect our health. They don't. The word 'resilient' is a Rockefeller buzz word.

About the Johns Hopkins Center for Health Security

The Johns Hopkins Center for Health Security works to protect people from epidemics and disasters and build resilient communities through innovative scholarship, engagement, and research that strengthens the organizations, systems, policies, and programs essential to preventing and responding to public health crises. The Center is part of the Johns Hopkins Bloomberg School of Public Health and is located in Baltimore, MD.

Chapter Two: A Possible Cure.....

Chapter Three: A Potential Vaccine.....

Chapter Four: Users Beware.....

Chapter Five: Going Viral.....

Chapter Six: The Grass is Always Greener.....

Chapter Seven: The Voice.....

Chapter Eight: Are You Talking To Me?.....

Chapter Nine: Changing Horses Midstream.....

Chapter Ten: Head of the Line Privileges.....

Chapter Eleven: Standing in Line. Protesting Online.....

Chapter Twelve: Don't Put All Your Eggs in One Basket.....

Chapter Thirteen: Lovers and Haters.....

Chapter Fourteen: The Grass is Always Greener, Part II.....

Chapter Fifteen: Are You Talking to Me, Part II.....

Chapter Sixteen: Antibiotics. HO!.....

Recovery

Chapter Seventeen: Vaccine Injury.....

Chapter Eighteen: Acknowledging Loss.....

PREFACE

Ultimately, a world comprised of isolated and highly fragmented communities with widespread access to information technology—dubbed “the echo-chamber”—was selected as the future in which the prospective scenario would take place. From this point, scenario-specific sources were then developed, drawing on subject matter expertise, historical accounts of past natural disaster and countermeasure crises, contemporary media reports, and scholarly literature in sociology, emergency preparedness, health education, and risk and crisis communication. These sources were used to identify communication challenges likely to emerge in future public health emergencies.

This prospective scenario is not intended to predict events to come, rather, it is meant as a plausible narrative that illustrates a broad range of serious and frequently encountered crises in the realm of risk and crisis communication.

PREFACE



The following narrative comprises a futuristic scenario that illustrates communication dilemmas concerning medical countermeasures (MCMs) that could plausibly emerge in the not-so-distant future. Its purpose is to prompt users, both individually and in discussion with others, to imagine the dynamic and oftentimes conflicted circumstances in which communication around emergency MCM development, distribution, and uptake takes place. While engaged with a rigorous simulated health emergency, scenario readers have the opportunity to mentally "rehearse" responses while also weighing the implications of their actions. At the same time, readers have a chance to consider what potential measures implemented in today's environment might avert comparable communication dilemmas or classes of dilemmas in the future.

Generation Purpose

This prospective scenario was developed through a combination of inductive and deductive approaches delineated by Ogilvy and Schwartz.¹

The timeframe for the scenario (the years 2025-2028) was selected first, and then major socioeconomic, demographic, technological, and environmental trends likely to have emerged by that period were identified. Specifically, two dominant trends likely to influence regulatory and public responses to

Note: the language "inductive" and "deductive" approaches, and then look at Silent Weapons for Quiet Wars which is a Rothchild Plan (1954). The plan is behind the world domination agenda.

THE SPARS OUTBREAK BEGINS

CHAPTER ONE

THE ST. PAUL CHRONICLE

www.stpaulchronicle.org

MINNESOTA'S FAVORITE NEWSPAPER

October 17, 2025

Third Death in a Week Due to 'Unknown Illness' in Twin Cities



St. Paul, Minn. — A 42-year-old woman was admitted to Regions Hospital on October 15 with severe flu-like symptoms. When her laboratory test results came back negative for influenza and her condition worsened, doctors considered other causes. This has been a similar situation already in communities, but we are continuing to report such cases," said Dr. David Moore, director of the clinical laboratory of St. Paul Regional Hospital. "We are not sure if this is a new illness or a variation of an existing one."

Note the date October 17, 2025

Concern among many Americans about the severity of SPARS at this point in the outbreak was moderately high. The public's concern was compounded by the apparent virulence of the pathogen. At the outset of the SPARS outbreak, physicians' understanding of the disease stemmed primarily from extremely severe cases resulting in pneumonia or hypoxia that required hospitalization and extensive medical treatment. Mild cases of the disease, which produced symptoms including cough, fever, headaches, and malaise, were often perceived as the flu by the people who had them and consequently often went untreated and undiagnosed by medical personnel. As a result, early case fatality estimates were inflated. By late November, the CDC reported an initial estimated SPARS case fatality rate of 4.7% (By contrast, WHO reported that the overall case fatality rate for SARS was 14-16% and 50% for people over the age of 64. Later in the SPARS outbreak, data that included more accurate estimates of mild SPARS cases indicated a case fatality rate of only 0.6%).

Two additional features of the SPARS virus that were not appreciated at the beginning of the pandemic, but that impacted how the outbreak played out, are also important to consider in a review of this event. First, the virus had an extended incubation period (seven to ten days) compared to its latent period (four to five days). Thus, infected persons could spread the virus for up to nearly a week before showing symptoms of the disease themselves. As a result, isolating sick SPARS patients proved to be challenging. This is a common feature of many other respiratory diseases.

CHAPTER ONE

ness and prevention messages disseminated annually for seasonal influenza, combined with isolation procedures for suspected cases, would be effective at countering the spread of SPARS. These messages were spread via a variety of traditional and social media sources, including Facebook, Instagram, Reddit, Twitter, and ZapQ

Concern among many Americans about the severity of SPARS at this point in the outbreak was moderately high. The public's concern was compounded by the apparent virulence of the pathogen. At the outset of the SPARS outbreak, physicians' understanding of the disease stemmed primarily from extremely severe cases resulting in pneumonia or hypoxia that required hospitalization and extensive medical treatment. Mild cases of the disease, which produced symptoms including cough, fever,

COMMUNICATION DILEMMA

Engendering Public Trust and a Sense of Self-Efficacy When a Crisis is Still Evolving and Health Information is Incomplete

FOOD FOR THOUGHT

- 1) How can health authorities best meet public demands for critical information, such as, "What is the health threat?" and "What do I know about it?" when the crisis is still unfolding and not all the facts are known?
- 2) What benefits does monitoring trends in social media postings confer on efforts to meet people's information needs during an evolving health crisis?
- 3) What medical and morale-boosting purposes does sharing information about self-protective actions (eg, infection control measures) serve for the public during an uncertain and fear-instilling situation?

Distributed via the CDC Health Alert Network

December 15, 2025, 13:00 ET (1:00 PM ET)

CDCHAN-00528

Summary

The Centers for Disease Control and Prevention (CDC) and state health departments are investigating the emergence of the St. Paul Acute Respiratory Syndrome Coronavirus (SPARS-CoV), now reported in 26 states and several other countries. The purpose of this HAN Advisory is to update public health departments and healthcare facilities about this epidemic and to provide guidance to healthcare providers. At this time, the FDA and NIH are evaluating potential treatment options. Evidence indicates that antiviral pharmaceuticals may provide benefit. Based on previous trials in other coronavirus patients, the antiviral Kalocivir is the leading candidate; however, neither the efficacy nor safety profile has been determined for SPARS cases. Further guidance regarding personal protective equipment (PPE) and clinical care protocols are delineated below.

Information about Potential MCMs in the Development Pipeline Even Though Information May be Incomplete or Proprietary

FOOD FOR THOUGHT

- 1) What risks do public health agencies face if the public, media, and/or political leaders feel that information about potential treatment options is being withheld?
- 2) What kinds of outreach could public health agencies perform in advance of a crisis to mitigate any perceived lack of transparency? If such a perception emerges in the crisis, then how might it be defused?

A POTENTIAL VACCINE

CHAPTER THREE

GMI



TO: Gretta Smithson, Vice-President for Animal Health
FROM: Dr. Marcus Thompson, Director, Vaccination Research Branch
RE: Hooved Mammal Respiratory Virus Vaccine Number 14 (HMRV-vac14) Use in Human Populations
DATE: December 30, 2025
ATTACHMENTS: 1. HMRV-vac14 Efficacy and Side Effects
 2. Hooved Mammal Respiratory Coronavirus Outbreak Model Estimates (2021)

PROBLEM BACKGROUND

Your office requested information regarding any previous SPARS-like illness in GMI animal populations and potential immunization or treatment implications for the ongoing SPARS pandemic.

Planning to get rid of food. Media isn't addressing the issue. Reduce animal populations.

PROBLEM BACKGROUND

Your office requested information regarding any previous SPARS-like illness in GMI animal populations and potential immunization or treatment implications for the ongoing SPARS pandemic.

SUMMARY

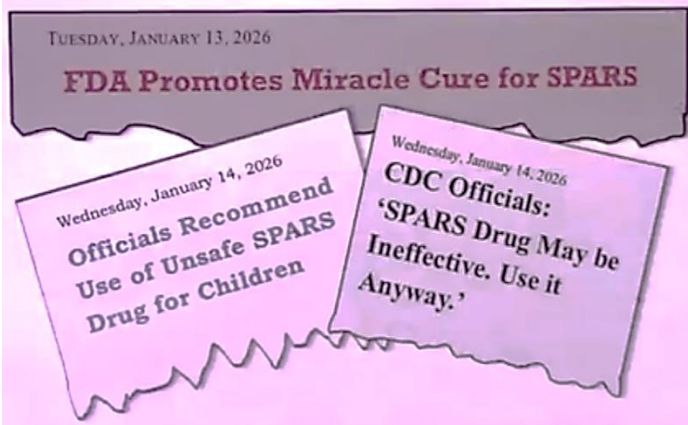
In 2021, a coronavirus caused an outbreak in Region 7 (Southeast Asia) hoofed mammal populations. Our researchers developed and produced in-house an effective vaccine against the infection (HMRV-vac14). Its subsequent approval and use successfully ended the outbreak in the region. While largely effective in preventing infection, severe side effects—including swollen legs; severe joint pain; and encephalitis potentially resulting in seizures, seizure disorders or death—occasionally occurred (Attachment 1). Given the millions of vaccinations required for Region 7, this resulted in measurable losses to the animal population; however, these were acceptable compared to those from the respiratory infection itself (Attachment 2). Each of the severe side effects was accompanied by physical presentation such that the affected animal was removed from the population and culled to prevent processing affected animals for sale.

It is unknown at this time how similar the two coronaviruses are or whether HMRV-vac14 (or a similar vaccine) would be effective in human populations. Due to its development for internal use only, HMRV-vac14 has not been tested or authorized by any governing agency for use in animals or humans.

Your future is constant vaccination

Lacking a viable alternative—and considering the potentially high morbidity and mortality associated with SPARS (at the time the case fatality rate was still considered to be 4.7%)—the United States government contacted GMI in regards to the vaccine. After laboratory tests confirmed that the coronavirus affecting livestock in Southeast Asia was closely related to SPARS-CoV, the US began an extensive review of GMI's animal vaccine development and testing processes. Shortly thereafter, federal health authorities awarded a contract to CynBio, a US-based pharmaceutical company, to develop a SPARS vaccine based on the GMI model. The contract included requirements for safety testing, ensuring the vaccine would be safe and effective for human use. It also provided considerable funding from the National Institutes of Health (NIH) and included provisions for priority review by the FDA. Additionally, HHS Secretary Nagel agreed in principle to invoke the Public Readiness and Emergency Preparedness Act (PREP Act), thereby providing liability protection for CynBio and future vaccine providers in the event that vaccine recipients experienced any adverse effects.

- 2) How might federal health authorities respond to critics who propose that liability protection for SPARS vaccine manufacturers jeopardizes individual freedom and wellbeing?
- 3) Once the vaccine becomes broadly available (see the chapter, "Head of the Line Privileges"), how might public health communicators implement the "best practices" principle of enabling people to make their own informed decisions about whether to accept the novel SPARS vaccine?
- 4) What are the potential consequences of health officials over-reassuring the public about the potential risks of a novel SPARS vaccine when long-term effects are not yet known?



COMMUNICATION DILEMMA

Responding to the Power of
Graphic Images of a Child in Distress:
One Story is Elevated to a Population-Level Problem

FOOD FOR THOUGHT

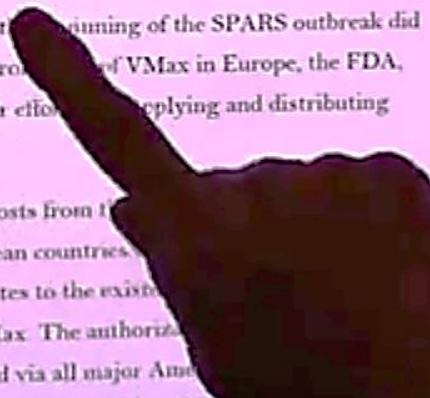
- 1) Why might communicating the science around MCM adverse effects alone not be enough to address the public's fears and concerns about a MCM like Kalocivir? Why is it also important to communicate with compassion, concern, and empathy?
- 2) To what extent is having sufficiently skilled staff and organizational capacity to communicate via traditional media and social media platforms critical to influencing public debates and awareness about a MCM like Kalocivir?
- 3) What MCM communication challenges and opportunities are

Vaccine after vaccine after vaccine.

THE GRASS IS ALWAYS GREENER

CHAPTER SIX

As confidence in Kalocivir continued to deteriorate across the United States, the United Kingdom and the European Union jointly announced authorization for another antiviral treatment. In early March 2026, the UK Medicines and Healthcare Products Regulatory Agency and the European Medicines Agency authorized the emergency use of a new antiviral, VMax, to treat SPARS. VMax had been considered in the United States, but a drug trial conducted at the beginning of the SPARS outbreak did not show evidence of efficacy. Despite the authorization and production of VMax in Europe, the FDA, CDC and other US governmental agencies opted to focus their efforts on supplying and distributing Kalocivir and developing a vaccine based on the GMI model.



EU Medicines Agency
EMA_Agency

Follow

Authorized today the use of #VMax antiviral for #SPARS. Better safety profile than #Kalocivir, equally effective. eu.fda/hY39Vm

2:28 PM - 12 Mar 2026

Social media posts from several European countries... the United States to the existing benefits of VMax. The authorization also distributed via all major American

Note the European Medicines Agency visited my website.

January 31, 2020. Note synthetic biology company. Research into vaccines and personalised medicines. In the scenario SPARS pandemic used on the population 2026. This is how they create agenda's, vaccines, drugs they have for years before. Nothing will go back to normal. Keep us drugged up, frightened and constant vaccinations.



Of all the vaccines pumped into us it is going to be the Corovac.

CHAPTER EIGHTEEN

At the request of HHS Secretary Nagel, ASPR convened a series of meetings among senior leadership of the federal health agencies to address policy and program changes being implemented as a result of a departmental review of the response to the SPARS pandemic. Among the issues considered were the implications of growing negative public opinion regarding Corovac and the government's perceived indifference to victims of the public health response to SPARS. One senior health official argued that time and a robust medical monitoring program for vaccine recipients—the components of which were already in place—should be sufficient to determine whether public concern about long-term effects was, in fact, warranted: "We have to wait for the data. People need to understand that fact."

One prominent attendee at these meetings was Dr. Ann Flynn, the director of the Substance Abuse and Mental Health Services Administration (SAMHSA). Staff from the administration's Disaster Technical Assistance Center had recently briefed Dr. Flynn on usage data for the SAMHSA Disaster Distress Helpline over the past year, and summary reports indicated that a significant number of helpline users said that their principal worry was associated with the SPARS pandemic and, more specifically, the potential long-term effects of Corovac. Considering this new knowledge,

Note: 2017 was a critical year.

SPARS pandemic scenario 2026-2028 out of Johns Hopkins in 2017. Corovac mentioned in the SPARS pandemic, look at Thomas Jefferson University. See title. Dated April 7, 2020. You have been played. People of America. People of the World and what the medical profession is doing to all of us, how they are using us.

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04 07 20

A New Coronavirus Vaccine Designed to Meet a Global Demand

The fastest recipe for worldwide access to a coronavirus vaccine may be to build upon an existing vaccine with an already established manufacturing and supply chain

PHILADELPHIA, April 7, 2020—Any new coronavirus vaccine that works well and is safe will still have the daunting challenge of needing to be produced to scale in a very short amount of time. It will also have to be safely delivered into the hands of the most remote populations. The more complex and untested the vaccine approach, the more difficult it will be to both scale its production and deliver it around the world.

By building upon on an existing safe and effective vaccine, one with already well-established and currently active manufacturing hubs, one which could be made to store on the shelf until it's reconstituted with water, researchers at the Jefferson Vaccine Center at Thomas Jefferson University have a COVID-19 vaccine candidate that could cover a global need.

"Our vaccine candidate, CORAVAX™, is made from part of the current coronavirus and that is combined with another proven vaccine that serves as a carrier of sorts," says Matthias Schnell, PhD, Director of the Jefferson Vaccine Center. "The benefit is that the 'carrier' vaccine has already

CORAVAX™ is a vaccine made from a portion of the SARS-CoV-2, the virus that causes COVID-19 disease. Rather than use the entire virus, Dr. Schnell and colleagues use only part of it, the spike protein, a component that is most likely to generate a protective immune response.

(above)

"CORAVAX is a vaccine made from a portion on the SARS-Cov-2 the virus that causes COVID-19 disease, rather than use the entire virus, Dr Schnell and colleagues used on part of it the spike protein a component that is most likely to generate a protective immune response. Remember people this COROVAC in the SPARS pandemic scenario is introduced to the public in 2027."

Note: These extracts are from the Industry report has interesting names similar to COROVAC:

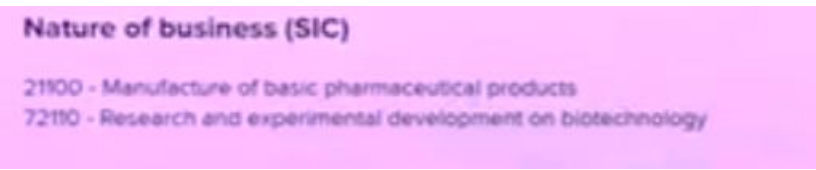
"...The private Chinese company Sinovac Biotech is testing an inactivated vaccine called **CoronaVac**. In June the company announced that Phase 1/2 trials on 743 volunteers found no severe adverse effects and produced an immune response. Sinovac then launched a Phase 3 trial in Brazil in July, followed by others in Indonesia and Turkey. On Sept. 16, they registered a Phase 1/2 trial of the vaccine for children..."

*Extracted from Industry Report Coronavirus Vaccine Collaboration: Another: "...In addition, Sanofi agreed to provide much of its global supply to **COVAX**, an international collaboration to deliver the vaccine equitably across the world. They have plans to make up to one billion doses in 2021.*

*New York-based **COVAXX**, a subsidiary of United Biomedical, has created a vaccine containing parts of several viral proteins. On Sept. 11 they registered a Phase 1 trial in Taiwan. They have reached an agreement with authorities in Brazil to run their Phase 2/3 trial there.*

COROVAX is the most similar to COROVAC as follows:

The next thing I will show you is **COROVAX Limited** incorporated 12 March 2020 in London.



Note: What is being said is that this company is real and it relates to the future scenario of SPARS.

Introduced to the population 2027 can you see how this is all fitting into the agenda of the lie.

COVID-19 the Hoax. COVID-19 is the Great Reset. It is the taking down of America and the world for a handful of people the international bankers, the pharmaceutical industries take everything from you. Rob you of your life. Rob you of your life. To keep you vaccinated with the garbage they are creating. Something else I want to show you.

CODEX DNA

London December 8, 2020.

WEBINAR

FAST PROTOTYPING OF METABOLIC PATHWAYS

December 8, 2020 3 pm London

LEARN MORE




Codex DNA empowers researchers with the tools they need to rapidly and securely design, code, and create synthetic DNA. Creators of the BioXp™ system — the world's only synthetic biology workstation — and the industry-standard Gibson Assembly® method, Codex DNA accelerates advances in the fields of personalized medicine, antibody engineering, vaccine development, biologics, and more.

Build biology with the BioXp™ system

Say hello to the BioXp™ system, and say goodbye to waiting weeks for synthesized genes. The BioXp™ system is the world's first and only synthetic biology workstation for building libraries, gene fragments, clones, and more.

LEARN MORE





TED talk with our CTO

2018 TED talk with Dan Gibson, PhD

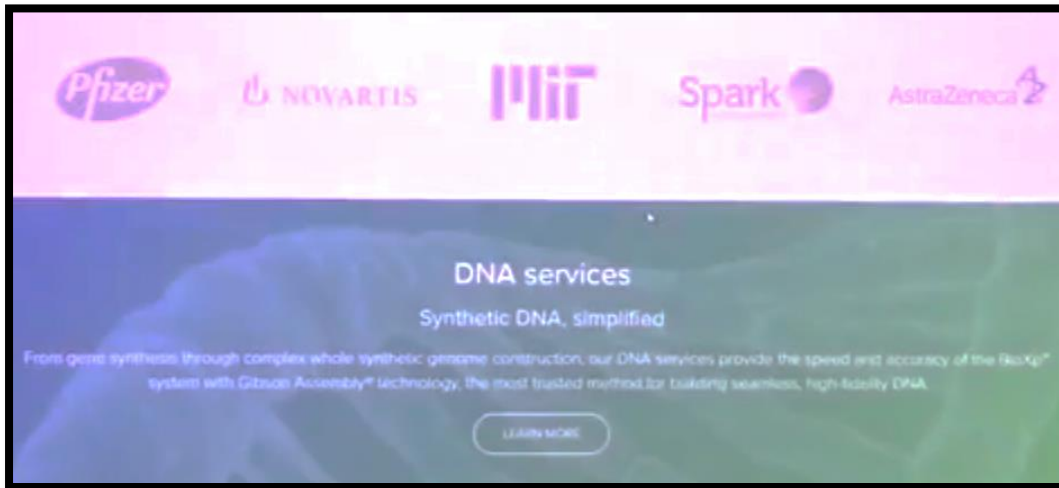
Dan Gibson, PhD, our Chief Technology Officer, introduces the world's first and only automated platform for personalized medicine and distributed vaccine manufacturing at TED 2018.

WATCH THE TED TALK



"Thanks to the BioXp™ system, the time required to go from understanding and ordering a digital sequence to functional testing of a given TCR has gone from over three weeks to under three days — I am amazed and grateful."

STEPHEN SCHOENBERGER, PHD
LA JOLLA INSTITUTE OF IMMUNOLOGY



DNA services
Synthetic DNA, simplified

From gene synthesis through complex whole synthetic genome construction, our DNA services provide the speed and accuracy of the BioXp™ system with Gibson Assembly™ technology, the most trusted method for building seamless, high-fidelity DNA.

[LEARN MORE](#)

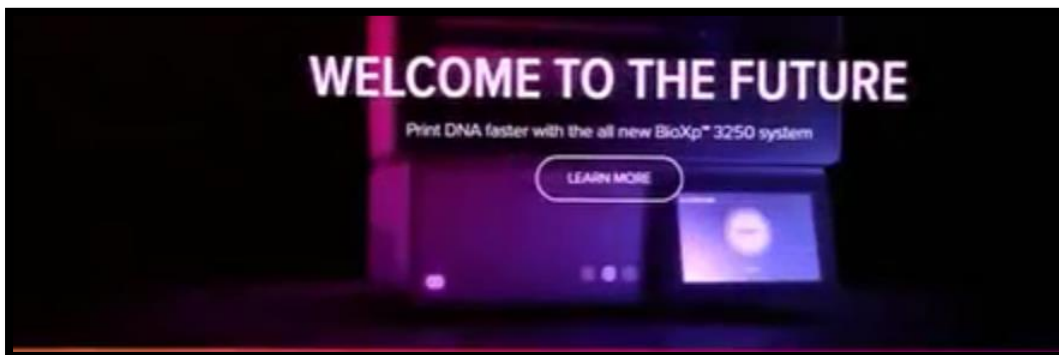


Advancing biologics discovery

Introducing Vmax™ X2 cells

Cookies: you agree to the storing of cookies on your device to enhance site navigation, analyze site usage, and assist in our marketing. [Our Cookie Policy](#)

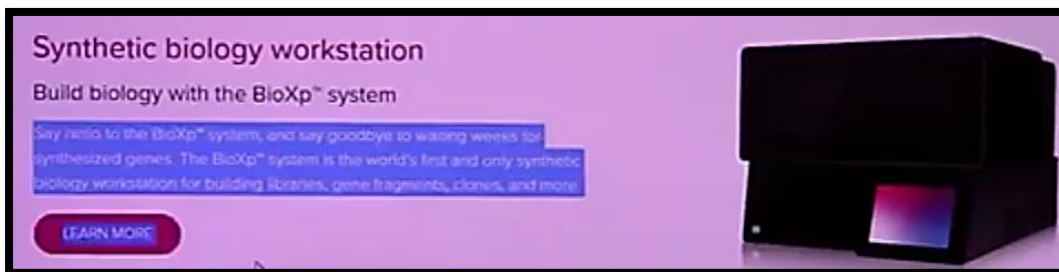
[Cookies Settings](#) [Accept All Cookies](#)



WELCOME TO THE FUTURE

Print DNA faster with the all new BioXp™ 3250 system

[LEARN MORE](#)



Synthetic biology workstation

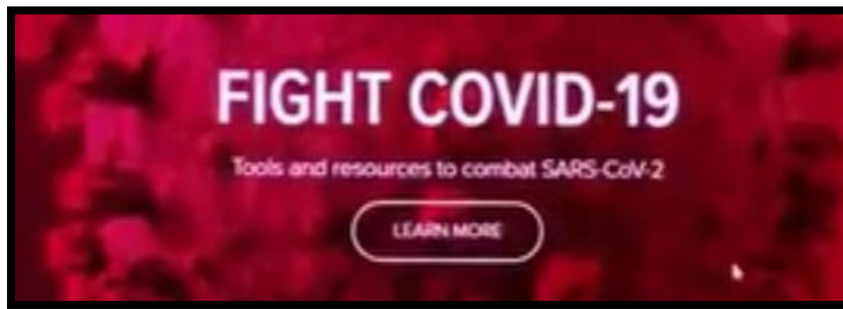
Build biology with the BioXp™ system

Say hello to the BioXp™ system, and say goodbye to wasting weeks for synthesized genes. The BioXp™ system is the world's first and only synthetic biology workstation for building libraries, gene fragments, clones, and more.

[LEARN MORE](#)

Say hello to the BioXP system and say goodbye to waiting weeks for synthesised genes. The BioXp system is the world's first and only **synthetic biology workstation** for building libraries, gene fragments clones and more

Fight COVID-19



This is your future, they are going to take everything from you and it started with the lie of COVID-19.



Year after year pandemic after pandemic, your life is over unless you stand up now and take it back. Your future.

Your future. Your children's future. Is that what you want year after year for there to be new pandemics?



New so-called vaccines that aren't really vaccines. Having aborted foetus cells, animal blood, chemicals and other with god knows what in it. That is your future. They are going to take everything from you. Control your life. Dictate every movement. Your travel what you own what you can do. This isn't the United States. This is something that so few of you realise. The United States was incorporated in 1871. We are a Corporation (so is Australia see Australia Reports Australia is a Corporation 5b). Stripping the rights away since 1871. The Constitution is a farce. They have been planning this for decades. What they are going to be doing to everyone. Not only the United States but through out the world. It's a colony (so is Australia 26 Jan NSW Colony). They are taking everything from you as they consider you a animal. That test stick they put up the nose they do that to cattle. That is what they consider you. You are allowing that to be done to you and your children. What I was saying to you a while ago what happened in 1891, what do they mean by the deep state? The dark government it is the illegal government running side by side actually running the United States

like a farce in a theatre up in Washington two party political system you think your vote means something that is why they keep you busy with elections thinking your vote means something, while they keep dismantling and taking down the Constitution, this country everything that you believe is true is not.



Something I want to read to you from page 56 of the SPARS pandemic scenario.

A new challenge emerged however antibiotic shortages in late 2026 at the height of the cold and flu season, bacterial pneumonia cases were on the rise across the country this affected 30-40% of children and 10-20% of adults. They developed secondary bacterial pneumonia.

(Note: SARS-Cov-2 doesn't cause pneumonia [inflammation of avioli] it was inflammation of the capillaries which is the blood.)



Approximately 4-8 months after the initial SPARS infection. Was it because maybe you are still wearing masks.

The plan is to keep you in this **worthless piece of garbage**. You are murdering your own children. You are **killing your own lungs** by wearing this. Every real doctor, every real medical professional knows this doesn't do anything. A science teacher just recently did a video with a carbon dioxide detector. He showed you wearing a mask on his face and put the carbon dioxide detector underneath the mask. He took 10 breaths, the reading was over **4,000 with just a paper mask**. Did you know the normal reading is **under 1000**. Do you realise the harm you are doing to your children. The harm you are doing to yourself. **They want you to have a weakened immune system** that is why they want you to wear

this, this mask of submission, you are never going to be free of pandemics. It is going to be pandemic after pandemic.

What I showed you was **V-Max in Business Wire January 31 2020 already has a article promoting this Vacs**. They created these vaccines they have them ready years before, then they create the script, the theatre, to keep you drugged up, your health and **your life destroyed** because you believed for decades the lies of the medical profession. Your **enslavement** is taking place, total enslavement. A handful won't be able to do anything. Protest are worthless, you don't protest what is you legal god given right. According to them you **have no right they own you**. You need to, thousands go and open your businesses. That is your only way. If you don't have the guts to do this if you remain staying home accepting all of this, you are slowly being killed not all at once. They won't do this all at once, very clever how they pull this up pandemic after pandemic. Drugging you up, shooting you up, biometrics, transhumanism down the road for **5G technology** what do you think that 5G is being installed for. They are going to have will have you **buy into your own demise** with the smart phones with the televisions and everything else they are going to be bringing out that you are going to buying but you are actually going to help to destroy you. Right now it is up to you because your life is slipping away and you don't realise it do not believe in the farce of the United States of America. It is a farce.

10.7 Wuhan Military & World 5G Convention – A Curious Meeting!

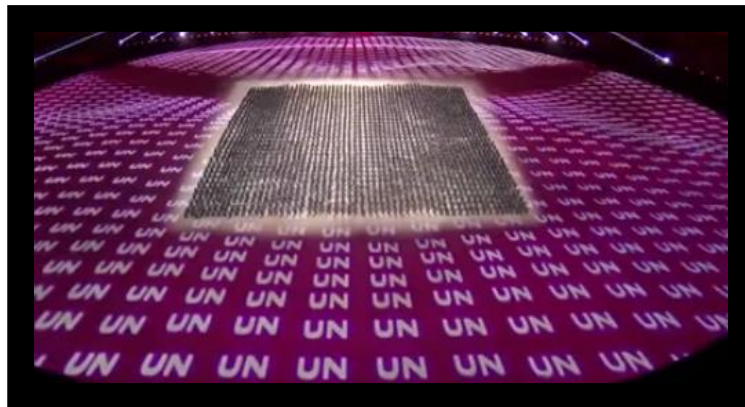
Note: The Wuhan military games started on the 18 October 2019, the exact same day as the World Economic Forum. It was also attended by 20 defence ministers as well as more than 10,000 soldiers from 109 countries over 10 days. This is the first time China has hosted the quadrennial games. In addition, the 9th Xiangshan Forum took place from Oct. 20 to 22. The aim is how to maintain international order and the principles and objectives of the UN and the UN charter! Deputy Assistant Secretary of Defense Chad Sbragia became the highest US defense official to join the Beijing security forum. His 20-man team was also the biggest delegation the US dispatched for the event. Russia also sent its highest defense official, Defense Minister Sergei Shoigu, to attend. Military to military relations and security cooperation? Involving 76 countries! And as if by magic...a virus reportedly appears, to bring about said security cooperation! During this military event, the standards were set for 5G hospitals! Then on November 20-23, 2019 World 5G Convention, Beijing economic technological development area to expedite the commercialisation of 5G. So, military games in Wuhan showcasing the UN and the military, a military meeting involving the UN core objectives and a world wide 5G conference all held weeks before this reported outbreak! It is notable in opening ceremony they are depicting a microchip.

Published: 16 February 2020

Written by Annie Logical

I have documented the event that occurred in Wuhan just a short time before the 'alleged' Corona outbreak.

The 7th Military Games was held and featured a **strong UN and military** connection in the opening ceremony.



Here is a link to that article: <https://www.vigiliae.org/virus-link-to-5g/>

This is not the ONLY event that took place during the games.

The Wuhan military games was also attended by **20 defence ministers** as well as more than **10,000 soldiers from 109 countries** who participated in a record 329 sporting events over 10 days. This is the first time China has hosted the quadrennial games in its 24-year history.

During the military games which took place from the **18th October 2019 to the 28th October**, another meeting took place.

10.7.1 The 9th Xiangshan Forum.

This event took place *from Oct. 20 to 22, **the principles and objectives of the UN and the UN charter at its core!***

From October 20 to 22, the 9th Xiangshan Forum is being held in Beijing. Themed around "Maintaining International Order and Promoting Peace in the Asia-Pacific," the conference will cover great power relations, the interests of small and medium-sized countries, maritime security, artificial intelligence, international security and other topics. It is anticipated that over 530 delegates from 76 countries will attend: this will include military officials, defense ministers, army chiefs and scholars.

<https://news.cgtn.com/news/2019-10-20/What-is-the-Xiangshan-Forum-and-why-is-it-important-KWbX9Xt0hW/index.html>

<https://www.eurasiareview.com/30102019-the-9th-xiangshan-forum-can-china-uphold-a-security-order-under-siege-analysis/>

TAUUIOUS:::

The 9th Beijing Xiangshan Forum will be held from Oct. 20 to 22, under the theme of "Maintaining International Order and Promoting Peace in the Asia-Pacific". The forum aims to discuss how to maintain an international order with the objectives and principles of the UN Charter at its core, and safeguard lasting prosperity in the Asia-Pacific region and the global peace and stability in the new situation.

China's role in the world has changed dramatically. As the country's economy has grown into the second largest of the world, its future prosperity has hinged upon it becoming an increasingly relevant stakeholder in broader global affairs, with the success of China increasingly dependent on securing a stable environment around it, and thus the well-being of other countries. Due to this transition, the country's foreign policy has placed a growing emphasis on multilateral forms of engagement and cooperation.

While this has included a more active role in bodies such as the United Nations, this has also necessitated deeper engagement with China's own proximity in the Asia-Pacific region, with Beijing existing as a major regional player whose actions can have inevitable repercussions for others. Economies in the region have become increasingly interdependent. Yet, formal mechanisms of regional integration have been slim compared



As a result, the Xiangshan Forum represents China's will to demonstrate regional security leadership by creating a multilateral platform for dialogue, military to military relations and other forms of security cooperation. In doing so, it aims to promote greater understanding and diplomacy between participating countries with the view to finding a common way forward for regional prosperity, well-being and stability.

Deputy Assistant Secretary of Defense Chad Sbragia became the **highest US defense official** to join the Beijing security forum. His 20-man team was also the biggest delegation the US dispatched for the event. **Russia also sent its highest defense official**, Defense Minister Sergei Shoigu, to attend.

Military to military relations and security cooperation?

Involving 76 countries!

And as if by magic...a **virus** reportedly appears, to bring about said security cooperation!

During this military event, **the standards were set for 5G hospitals!**

10.7.2 World 5G Convention³⁷

China Releases 5G Hospital Network Standard



🕒 21 OCT 2019
AUTHOR



Mobile World Live

Mobile World Live is the online service dedicated to providing the mobile industry with daily news coverage & analysis of the biggest global market developments.

[Read more](#)

PRESS RELEASE: China released a pioneering standard for its 5G hospital networks, following a joint drafting and verification process between the medical and telecommunication industries.

And shortly after this event a worldwide 5G conference was held.

BEIJING, Oct. 21, 2019 /PRNewswire/ -- A report from Science and Technology Daily:

Beijing Municipal People's Government, National Development and Reform Commission, the Ministry of Science and Technology and the Ministry of Industry and Information Technology will jointly hold the first **World 5G Convention in Beijing Economic-Technological Development Area from November 20 to 23, 2019**. The Convention aims to seize the opportunities brought by 5G technological innovation and industry reform, collect quality innovation resources and advance the growth and application of 5G. It also intends to expedite the commercialization of 5G and boost the exchange and joint advances of global 5G technologies.

So, a 5G Hospital network, military games in Wuhan discussing the Universal Declaration of Human Rights and maintaining international order. A military meeting involving the UN core objectives. A worldwide 5G conference all held around this reported outbreak? Now can you see what is really going on? The UK pushing through the rounding up by police of anyone who they 'suspect' of having the virus? Whilst the man who has signed this into place has also been in charge of the 5G agenda and has also sold off large swathes of the NHS in England to private contractors like Branson.

³⁷ <https://www.legislation.gov.uk/ukxi/2020/129/made?fbclid=IwAR2hIB9GQYe6Rk1eUFzbNZ-ZzhzP7uumQw0wqsB4CVhwmwlr6aoV8rm8fbo>

10.8 Will Next WTO Head Impose a Gates and Davos Agenda?

By F. William Engdahl

23 October 2020



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It is all but certain that the next head of the influential World Trade Organization (WTO) will be an African by birth and a woman. But neither is what makes the all-but certain naming of Nigerian-born Ngozi Okonjo-Iweala cause for alarm. Rather it is who she is and who she presently is tied to that insure she will implement the unfolding agenda of the Great Reset transformation of the world economy, using the coronavirus pandemic as a prime lever. She presently heads an organization created by the seeming omnipresent (not omniscient) Bill Gates together with the Davos World Economic Forum—both involved in implementing the Great Reset—and she is deeply tied to the prime institutions of globalization and international finance. Some background we should know about.

Ngozi Okonjo-Iweala has just won the unanimous support of the 55 nations of the African Union, defeating an Egyptian candidate. As of this writing she faces certain approval over her South Korean opponent. On October 17, the 55 member countries of the African Union voted to back Okonjo-Iweala against her only remaining opponent, Yoo Myung-hee of South Korea, their current Minister of Trade. The Nigerian candidate claims also to have the backing of a group of Caribbean and Pacific states, bringing the number of countries officially endorsing her candidacy to 79 out of the 164 states that comprise the WTO. It looks like a done deal.

Who is Okonjo-Iweala?

Ngozi Okonjo-Iweala comes from senior ministerial posts in Nigeria, one of the world's most corrupt states with a 2019 Transparency International index of 146 from 180 states evaluated. Notably, she was Finance Minister in the Nigerian government twice, first under President Olusegun Obasanjo from 2003–2006. Then again, from 2011–2015 under President Goodluck Jonathan when she was named Minister of Finance and Coordinating Minister for the Economy. Though she was never charged with corruption, in 2015 almost \$20 billion was discovered "lost" after an audit by PriceWaterhouseCoopers of state oil revenues. She also convinced Goodluck Jonathan to lift gasoline subsidies in 2012 triggering massive street protests as many Nigerians see cheap gasoline as the only benefit they get from the country's vast oil wealth. Cutting such subsidies is standard World Bank fare.

As Finance Minister she backed the **usual IMF/World Bank** demands for **slashing state subsidies** for gasoline and **privatization of electricity**. It was no surprise, as Okonjo-Iweala was with the **World Bank in Washington for 25 years**. After Obasanjo terminated her first stint as Finance Minister, she returned to the **World Bank to become Managing Director of Operations** from 2007–2011. Several times she made clear her ambition to become **head of the World Bank**, a post traditionally filled by an American Citizen. Indeed, she went so far as to **take American citizenship in 2019** when the World Bank post again became vacant, but to no avail.

The World Bank is one of the pivotal UN-based instruments for advancing the globalist corporatist economic agenda, along with the IMF. Like the IMF the World Bank uses its money as a carrot to impose **draconian** conditionalities on recipient governments in developing countries. This is called the **"Washington Consensus"** and imposes an unsuitable "free market" agenda that inevitably includes demands to **slash state budgets, cut state subsidies to food and fuel**, make the currency convertible and cheap, and eliminate protectionist barriers. The Structural Adjustment Programs of the World Bank and IMF in West Africa led countries to **prioritize debt payments over investment** in public services including in education, infrastructure or basic health services. In short, it is a brutal form of what has been called **technocratic neo-colonialism**, far more sinister than the British or French or Belgians ever managed because they use Africans or other developing country technocrat "faces" to impose the draconian austerity that forces countries to open to **foreign plunder**, typically by the western corporate giants.

GAVI and Gates

Okonjo-Iweala left the corrupt government of President Goodluck Jonathan in 2015 to become **Chairman of GAVI-The Vaccine Alliance**, where she sits until today. GAVI stands for **Global Alliance for Vaccines and Immunization**. It was founded in **2000** with an initial \$750 million grant from the Bill & Melinda Gates Foundation. Gates was joined by the World Bank and GAVI was all agreed at the **Davos World Economic Forum**, the globalist hub at the center of the Great Reset. GAVI claims to have spent more than **\$4 billion on vaccines**. Its main target is vaccinating every child in Africa, India and the developing world. GAVI declares on its website, "As part of its mission to save lives, reduce poverty and protect the world against the threat of epidemics, Gavi has helped vaccinate more than 822 million children in the world's poorest countries."

The Board of GAVI includes, in addition to Chairman Okonjo-Iweala, **one of the world's largest vaccine makers, GSK, as well as the Gates Foundation, World Bank, WHO and UNICEF**. Under the chairmanship of Okonjo-Iweala, GAVI has been involved in the scandalous spread of polio in Africa as a result of their polio vaccine strategy. As well also in India GAVI and the **Gates Foundation were sued in Indian High Courts** for **"criminally negligent trialling the vaccines** on a **vulnerable, uneducated and under-informed** population— school administrators, students and their parents— who were **not provided informed consent** or advised of **potential adverse effects** or required to be monitored post-vaccination." A number of vaccinated Indian girls **died** after receiving HPV vaccines from GSK, a **board member** of GAVI.

Most recently, under Okonjo-Iweala's term as Chairman of GAVI, cases of **paralytic polio** resulted in African and Indian children who had been vaccinated by GAVI and Gates Foundation Oral Polio Vaccine programs. GAVI and Gates did so despite the fact they knew that the **OPV had been dropped** by the US CDC in 1992 from its vaccine schedule in the US because **it was causing polio**. Under the GAVI-Gates polio vaccination program polio cases have been registered in more than a dozen African countries including Angola, Congo, Nigeria and Zambia and Okono-Iweala's Nigeria. But the shocking thing is that the outbreaks are all **reportedly** caused by the **Gates-backed oral polio vaccine**. GAVI and Gates engage in a colossally **corrupt and even criminal** enterprise in which the **tax exempt** Gates Foundation invests in vaccine companies like GSK and others that then sell their vaccines to huge new markets such as Africa and India. As stock prices in GSK rise as a result of rising sales of vaccines, Gates Foundation net worth rises too. "Charity" for profit is the model.

In short Okonjo-Iweala's role as head of the **corrupt GAVI as well as World Bank** and Nigerian Finance Ministry make her a superb candidate to head the **globalist** World Trade Organization. Looking further into her ties adds to that picture.

Revealing Board Ties

While taking the position as **Chairman of GAVI** Okonjo-Iweala also became "Senior Advisor" to **Lazard Ltd.**, a US investment bank which claims to be the **world's largest independent investment bank**, with principal executive offices in New York City, Paris and London. The current Lazard board includes among others **Richard Haass**, head of the New York **Council on Foreign Relations**. Lazard chairman **Kenneth Jacobs** sits on the Steering Committee of the **Bilderberg Group**. Then in 2018, while still advising Lazard and heading Gates' GAVI, she joined the board of Jack Dorsey's **Twitter**, infamous these days for massive political [censorship](#).

She also took a position in 2018 on the Board of the major international bank **Standard Chartered**, whose major shareholder is the government sovereign wealth fund of Singapore, and whose banking [operations](#) are in Asia, Africa and the Middle East. In 2012 the New York Department of Financial Services accused Standard Chartered of **hiding \$250 billion** (!) in transactions involving **Iran**, labelling it a "rogue institution." The bank has been involved in **money laundering** US sanctions-violations also involving Myanmar, Libya and Sudan and Hong Kong, where it has major business with China. The Nigerian WTO candidate is [well-connected](#) to the world of global finance powers that be, in short.

The former Nigerian Finance Minister and World Bank official is also well-versed in the **globalist dystopian UN Agenda 2030** backed by the Davos WEF and Gates. She is co-chair of the **Global Commission on the Economy and Climate** which calls for "**bold climate action**," alongside the head of the IMF, and former head of the agribusiness giant **Unilever** among others. She also served on the UN Secretary General's High-Level Panel on the Post-2015 Development Agenda, the infamous "**sustainable development**" agenda. And she is [listed](#) as an "Agenda Contributor" to the Davos World Economic Forum.

The WTO Agenda

If she is elected which seems all but a done deal, she will head one of the **central globalist institutions**. The **WTO** was created in 1995 to **advance the Davos agenda of globalization**, arguably one of the most economically **destructive agendas** in history. WTO rules on agriculture trade were drafted by the agribusiness cartel companies led by Cargill to force open agriculture markets in the developing countries to agribusiness products from the global food cartel companies. Rather than eliminate food subsidies in the North American and EU producer countries, subsidies of **over 40%** on key products have allowed giant agribusiness companies like Unilever to flood local markets in Africa and Asia which bankrupt local small producers, forcing them to flood into urban centers for cheap labor. As one analyst put it, reforms demanded by the WTO have destroyed guaranteed prices and state-sponsored extension services, and governments of the Global South have had to **dismantle programs for food security** and rural assistance in favor of those that would help them meet WTO mandates.

With her ties to **Bill Gates**, to the World Bank, the World Economic Forum, to international finance and even Twitter, Ngozi Okonjo-Iweala is well-suited to supervise the planned imposition of the totalitarian agenda of the Gates-WEF Great Reset. That she will owe her election to WTO to the backing of African and other developing country governments is a bitter commentary on the cynical manipulations of the Powers That Be in today's world.

F. William Engdahl is strategic risk consultant and lecturer, he holds a degree in politics from Princeton University and is a best-selling author on oil and geopolitics, exclusively for the online magazine ["New Eastern Outlook"](#)

10.9 The Global Capitalist Cage and the Corona Crisis: "Solutions"³⁸

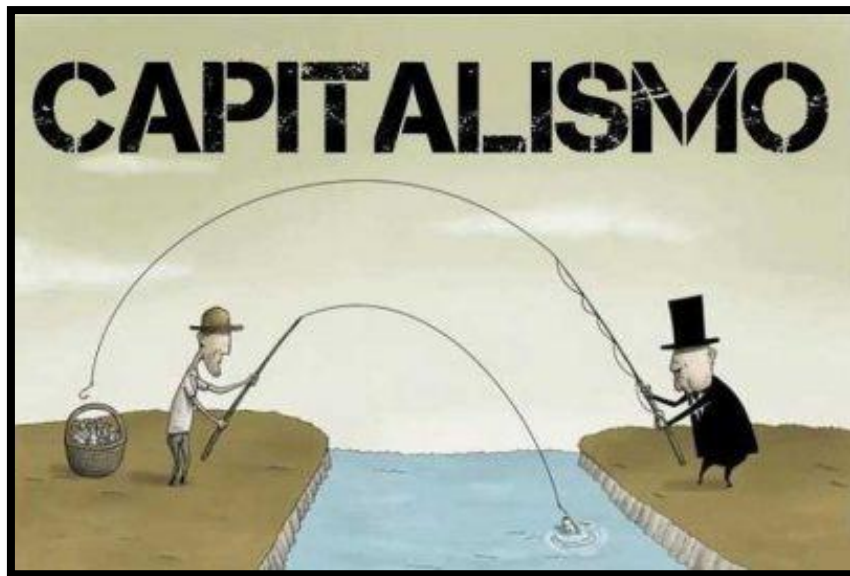
The Global Capitalist Cage and the Corona Crisis: "Solutions" by Those Who Have Created "The Problems"

By [Hiroyuki Hamada](#)

Global Research, November 17, 2020

Global Research 23 October 2020

Theme: [Media Disinformation](#), [Police State & Civil Rights](#), [Poverty & Social Inequality](#), [Science and Medicine](#)



*It's hard to talk about the myriad issues piled in our society in a cohesive way, and when we try, we often get the same response: "What is your solution?" People get frustrated and demand an instant solution to the structural problem they are very much a part of. The very insistence on a single, cure-for-all-answer betrays their unwillingness to see the structural and systematic nature of the problem. **Meanwhile they allow themselves "solutions" which are concocted by those who have created the problems.***

*Those "solutions" are bound to be **strictly incremental and reformist**, otherwise the self-serving nature of the overall trajectory becomes blatantly obvious. Confrontation with the flaws of the "solutions" triggers an emotional response: A clear indication that the criticism points to the obvious flaws of the system itself, which in turn resonates as a criticism against the self. The emotional burst and the denial to recognize the system for what it is are indications of pathological adherence to abusive power. This is the condition that forces many American people to prop up the capitalist hierarchy and continue to prove their allegiance to it.*

The real solution must involve a structural change. The **feudal hierarchy** which structurally imposes extortion schemes of money and violence on people by domesticating their humanity, to be harvested over and over within the capitalist framework, is inhumane and destructive to our species. Such an idea must not be brushed aside as untenable idealism if we are to live harmoniously with one another and with our environment.

³⁸ <https://www.globalresearch.ca/the-global-capitalist-cage-and-the-corona-crisis-solutions-by-those-who-have-created-the-problems/5727349>

Capitalist Cage

In the vastness of space and unimaginable span of geological time, our presence is small: smaller than a spec of dust on a whole planet. As conscious beings, we have created narratives and theories to explain what it means to be in this mysterious sea of matter and time. Such ideas are central to our social organization as well as how we relate ourselves to it. They very much affect how we perceive things as individuals and as collectives. Those ideas can take the shape of religion, history, ideology, tradition, myth and so on, constituting parts of the individual psyche as well as the collective psyche.

Those ideas are supposed to be promoted and perpetuated by the community members because they serve them by validating the given social order which serves their best interests. They are supposed to give us ways to reconcile with the unknown in collective manners, by which we find ways to accept the mystery of life with reverence and awe.

But do they?

As we are born into the social order, where those ideas are reinforced and physically manifest as social framework, we internalize those ideas, we become a part of the social mechanism and the ideas become "reality".

But strictly speaking this "reality" is somewhat different from what is inherently real in a material sense. What we perceive as "reality" is our interpretation of matter which has been shaped by the imperatives of the social order.

For example, in a capitalist society, a fact can deviate from material reality because an institution which specializes in the fact is influenced by the interests of the ruling class. For example, industrial waste material can be dumped as a harmless substance. The effect of the lie increases progressively against the oppressed people since the profits are made with the expense of those who are exploited and subjugated by the lie. People suffer from the erroneous information but to different degrees. Those who suffer the most are subjected to the most strict measures, while those who exploit and subjugate can change the measures according to their needs while being well equipped to face material hardships.

Social institutions under capitalism always have the risk of failing since experts' opinions are necessary to understand a complicated fact. People with bigger platforms can simply dominate the fact because people don't have the time and resources to examine the fact. A louder opinion can simply get its way. The economic hierarchy ensures that those who have dire interests in getting the fact right can not get it right.

Now, this mechanism also works vertically. Different institutions are affected differently by the false fact. A fact twisted by the special interests creates conflicts among institutions. This creates conflicts among the people. However, the degree of the divisions get narrower and narrower as it gets closer to the level of the ruling class, where the lie can create broader benefits to the already wealthy and powerful people as they have the ability to access all moneyed institutions in **creating "reality" that serves them.**

Dangerous policy, dangerous substance, dangerous practice and so on affect those who do not have the means to avoid them, while they can be part of enacting lucrative business schemes for the ruling class. We are put against each other in artificially scarce material conditions where we compete and form hierarchy based on the imperatives imposed by the capitalist framework, instead of according to the material facts.

A few major things happen from the lie. First, the ruling class succeeds in profiting from the exploitation and subjugation and/or succeeds in preserving the capitalist hierarchy. Second, the lie creates divisions among the oppressed. Third, the lie requires more lies to cover it up, depriving people's ability to relate to themselves, to each other and to nature according to material reality.

The dynamic repeats itself in many ways, creating a false reality in which misinformation, disinformation and propaganda merge with facts as institutions are manipulated to serve the interests of the ruling class while the rest of the **people are divided, confused and disempowered**. The Founding Fathers of the US probably knew this mechanism very well when they installed "separation of powers" within the US government. The separation would effectively institutionalize the mechanism, ensuring that the interests of the people are checked and balanced by the ruling class which can have access to all branches of the government.

Moneyed social institutions as well as some "dissidents" and "community activists" can function as a crucial part of the capitalist hierarchy, maintaining and perpetuating the system regardless of their intentions. First, those who neglect to reveal the aims of the ruling class by solely pointing out criminal acts and refusing to recognize the mechanism of exploitation distract the people from what is really happening. Second, those who refuse to see the structural mechanism of exploitation within the capitalist hierarchy can end up protecting their own positions at the expense of the people at the bottom while serving the ruling class. Third, those who fail to recognize the lies or actively repeat them help facts to be subordinated to the capitalist framework while **destroying the credibility and integrity of the social institutions, leading to destabilization of social relations**—making us more susceptible to lies and manipulations. The paralyzed state can be utilized in further privatizing the institutions, resulting in more extensive domestication of humanity and nature.

These are only a few examples of how seemingly constructive social dynamics within the capitalist hierarchy can function to prop up the capitalist hierarchy. The risk of people truly recognizing the nature of the capitalist hierarchy, armed with experts and unity, is real as we observe instances of socialist revolutions across the globe. Capitalist institutions carefully accommodate those people who do not pose fundamental threats to the capitalist framework in maintaining the social structure that serves them.

Parasitic Tendency of Capitalism

Some may wonder, if the system is so fascistic and draconian, why it would allow "dissidents" to play a role in the social structure at all. It is because an authoritarian structure with commands, decrees, and rigid rules and their punitive consequences can not cultivate active social relations to prop itself up. Human minds can not free the potential of creativity to do so under such conditions. **Just enough freedom to move within the cage is necessary for the capitalist hierarchy.** Also, without allowing some degree of "freedom" within its framework, some people might establish communities with a true sense of freedom within the social structure, which can pose a threat to the system. For this reason, the illusion of safety and freedom are allowed within the capitalist framework. Within this environment, people engage in creative activities, the exchange of ideas and products, and the rest of the daily routines. These activities are guided by moneyed social institutions ensuring that the boundaries are set to perpetuate the capitalist framework. Governmental organizations, media, culture organizations, NGOs and so on play significant roles in ensuring that the subject population are domesticated within the framework.

Those organizations' roles center on a moment by moment maintenance of the capitalist hierarchy. But they also curate acceptable "crises" within the structure in order to shift the direction of exploitation and subjugation in combatting unavoidable cyclical economic downturns (they are structurally unavoidable), and to continue deepening their colonization of humanity and nature. A country defying the capitalist hegemony might be called "a deadly threat to humanity" before bombs rain on its people. Population growth in certain countries might be termed "population bomb" before an assortment of colonial measures are implemented against them. The issues that generate profits and help augment the capitalist framework are ignored, or normalized no matter how enormous they are—**cancer epidemic, drug epidemic, mass incarceration and so on and so forth**, until the momentum to fight them becomes useful in perpetuating the capitalist hierarchy.

However, despite the efforts by the ruling class to construct the invisible prison for all, our creative energy can occasionally escape the artificial boundaries set by the capitalist domination. And some individuals could manage to garner the support of a broader population. However, they would be **smeared** by media, be attacked by various social institutions, or even be **killed** by government agencies. The element of fear is crucial in preventing our creative energy from going beyond the capitalist cage.

Fear of unknown must have been an essential perception of ours from the beginning of our species. Our efforts in understanding ourselves and our surroundings stem from it. Our sense of reverence toward nature, spirituality and so on stems from its mystery and unimaginable depth. The momentum to dominate by accumulation of wealth confronts fear of the unknown with its brute force. When capitalists destroy a pristine forest filled with wild lives and their intricate system, they destroy and colonize the natural environment while stealing the fear of unknown. When capitalists destroy cultures and traditions and replace them with a capitalist market, they destroy what they can't steal in order to play God of Money.

Cultivation of fear

A protection racket scheme works the best when the service provider appears to be capable of inflicting the very violence that you wish to avoid. **9/11 is an embodiment** of such a shady marketing strategy.



We are told what happened.

We are told to think accordingly.

But there are **obvious inconsistencies**— the failure of the Air Force to intercept the hijacked airplanes, suspicious lack of actions against the suspected hijackers prior to the attack by intelligence agencies, numerous testimonies indicating the presence of explosives in the 9/11 buildings, circumstantial evidence indicating that an event like 9/11 was necessary to embark on a series of colonial wars against the Middle

East while curtailing the civil and legal rights of the people and so on. The authority itself doesn't deny those points, as if to say "what are you gonna do about it?"

And we are told **"you are either with us, or against us"**.

9/11 has become the go-to justification for colonialism, corporatism and militarism for the empire. Countries that defy the western capitalist hegemony have been destroyed. People who defy it have been ridiculed, excluded, jailed or killed.

The obvious inconsistencies of the state policies simply turn into fear, which in turn strengthens the sale of the imperial protection racket. After all, the empire is armed with the sheer might of 800 military bases across the globe and numerous WMDs.

The absolute power of violence that defeats logic and humanity is the manifestation of wealth and power, which are the essence of the US empire: a feudal hierarchy, inflicting countless structural extortions against its people [24/7](#).

There are many other examples of such events throughout the history of the US empire, which cultivate unspeakable fear among the people while giving the authority blank checks to impose repressive measures. The assassination of a prominent figure can be such an event(1). These and other events are always augmented by disclosures by intelligence agencies confirming that such events can actually take place. These events continue to prevent the subject population from questioning their leap of faith into the destructive system—again, capitalism colonizes our fear of unknown as it establishes itself as God of Money.

Covid-19

It stands to reason that measures appropriate to the risk of the virus should be taken as legitimate medical precautions, just as occasional school closures during a flu season, basic sanitary precautions to avoid getting sick, the protection of vulnerable people, and so on can be considered necessary. But an obvious **restructuring of a society** in ways which would inflict repressive measures of censorship, banning of free assembly, destruction of communities, restriction of human rights, and creation of lucrative business opportunities for the ruling class should raise serious questions. Especially, as the **"new virus"** has turned out to be not so new(2) according to scientists, and it also turns out to be not so deadly(3).



As we undergo Covid-19 lockdown measures, the rich and powerful are showered with bailouts, economic opportunities, political decisions to be "rescued", **making billions and billions**, while the rest of us endure neoliberal restructuring—**losing wages, losing workers' rights, losing legal rights and losing human rights** (4).

The momentum for the Covid measures has been pushed through our society with the same momentum of a protection racket scheme. **Just as 9/11 or JFK's assassination have left numerous undeniable evidence** indicating that the events are pivotal in forwarding economic projects, the Covid panic situates itself within the context of a web of financial interests(5). **Misinformation and disinformation** and crucial evidence indicating conflicts of interests on the part of large international institutions with strong corporate and military ties—the **World Economic Forum, WHO, Bill & Melinda Gates Foundation**, various prominent NGOs, government agencies, and giant corporate entities—signal to the people that this requires unconditional compliance. Under such circumstances, facts about the virus, inconsistencies, and the rest of the questions become fuel for doubt. The doubt opens the door for the possibility that those who claim to protect you are in fact the perpetrators of the pain and suffering. The people face a catastrophic crisis of their identity: they face a major cognitive dissonance. No amount of facts would convert their positions. In fact, the more they know, the more they become afraid and adamant in sticking to the state-sanctioned Covid rituals.

Germaphobia

Obsessive compulsive behavior manifests to gain a sense of control. It forces physically healthy individuals to engage in **ritual** cleansing of their body parts and their surroundings, so much so that their actions interfere with their daily lives. The action is purely psychological and ritualistic. Germaphobes are not rational, sanitary or healthy. Just as dirty masks are worn over and over. Just as people wear masks on streets, and immediately take them off as soon as they sit down to eat at an enclosed restaurant.

Logic and reason don't matter for those who **engage in rituals** of cleansing in order to escape from facing the ultimate truth about the system and their own positions in it. The ritual behaviors are stipulated by the system —social distancing, wearing masks, no assembly. **Obedience and complacency** are enforced even if the measures might not be effective in reducing the risk of virus and the detrimental effects of the measures can surpass the supposed lethality of the virus (4), (6), (7), (8), (9) and (10). As their behaviors become **habitual** in the daily repetitions, the accompanying slogans **sink into the psyche** of the population. The fear of abuse and pain are pushed under their consciousness as they engage in the rituals. Images of black people getting shot by police officers, whistleblowers mercilessly thrown in prisons, and so on fade as they make sure that their masks are on their faces.

Capitalism preys on the most vulnerable people as the subject population upholds the deadly tendency to protect their own positions in it . Seemingly bright people suddenly acquire a mental block and fail to see the **structural mechanism of economic extortion and exclusion** as soon as the system turns to them and whispers "what can you do about it?". Yet, the very presence of the capitalist hierarchy becomes visible as the population shamelessly **goes along with flimsy official narratives**: "WMDs in Iraq is the biggest threat against humanity", "inner-city minority kids are super predators who need to be brought to heel" , "the Russians are coming", or "a deadly plague is here". Why not? After all, people seem to believe that a country founded by **slave owning** colonizers with **800 military bases** across the globe, which, killing, raping and stealing in a **culture of domination**, is actually a defender of freedom. The fear of the God of Money is in full motion.

Meanwhile, those who refuse to conform are excluded and shamed. The dynamic is actively encouraged to stay within the corporate political framework, invigorating the **illusion of "democracy"** dominated by two US imperial political parties. Narratives are prepared by the party establishments. Positions are stipulated. If you are for this selected issue or that issue, or if you are against them, you are drawn into the **mudslinging** match within a state-sanctioned **ring of acceptable ideas**. This culminates in a ritual fight called the US Presidential election. Seemingly smart people are cornered into

cheering for a gladiator battle between two imperialists who will perpetuate the feudal hierarchy of money and violence. Their scream urging you to vote in order to save the oppressed people is firmly in line with the colonial vestige of manifest destiny. They vote for the very government that kills people in “enemy countries”. They vote for the very government that cages children and incarcerates immigrants. They vote for the government that locks up people who haven’t committed crimes. They vote for the government that kills people for the color of their skin. All those people they claim to save cannot vote. They don’t have to vote because the saviors—American people—will vote to determine their fate. US corporate politics provides some of the main **rituals** for the God of Money.

Even those dissidents, activists and so on, who are generally insightful and aware have also contracted this condition, attacking their fellow comrades for **questioning** the lethality of the virus, effectiveness of mask wearing, validity of various lockdown measures and so on for the reasons already described above. However, it should also be noted that those who subscribe to various sorts of **fascist ideologies** actively align themselves with the restrictive measures of the state as well. For those people, the structural consequences of the capitalist hierarchy and its deceptions do not pose any problem. The momentum of fascism is always useful in **eliminating the anti-capitalist and anti-imperialist** momentum in times of “crisis”.

The mechanism of conformity and compliance is in place working with a full imperial force [24/7](#), creating an imperial gravity that lifts those who go along with the establishment, while putting weights on those who don’t. The people are forced to form groups gathered at various levels on the hierarchy, aimed to protect their own existences along with the structural layers of the caste order. Their own values, beliefs and norms are formed to serve themselves but they are built within the capitalist framework. They may oppose those who are above or below but ultimately their worst enemies are those who do not conform to the hierarchy itself. Anti-capitalists and anti-imperialists are often eliminated by the authoritarian momentum within the social networks which must exist within each layer in order to float at the particular position—the imperial gravity permeates throughout the hierarchy at all times.

Pathological conditions have been cultivated among people to cope with the situation: addictive behaviors, obsessive compulsive behaviors, depression, anger, and suicidal ideation. Mental health problems among minors are skyrocketing as well. However, those are not the main concerns of the establishment. Meanwhile, **those who refuse to wear masks are openly called psychopaths**, just as enslaved people who escaped were said to have a mental illness called drapetomania, or women who could not bear ruthless gender discrimination were said to have hysteria.

Meanwhile, the **unconditional authoritarian hierarchy** constantly turns minds under the spell of **learned helplessness**. Some are wrapped up in acute cynicism refusing to consider any possible alternatives. The pain of abuse and neglect force children to internalize abusiveness as a defense mechanism, forcing them to cultivate abusers in their psyche to overcome their traumas, turning them into good candidates for enforcers of pain within the capitalist hierarchy. The God of Money **destroys those who defy**, while colonizing those who obey at psychological levels.

Organically grown communities that help to connect people harmoniously are forced into the framework of Covid measures to be divided, nullified and assimilated into the capitalist framework. Covid measures **alienate people by removing our tools of intimacy, communication, organizing**, and etc., while digitizing them into commodifiable data. Those who can afford “the new normal” within their gated communities are blessed with the time to reflect, appreciate art and nature and embrace their fantasy world of a dystopic now, at the expense of the people who are domesticated within the strict measures of structural extortion regimes. Visits to the doctor become online chats based on profit incentives. **Education becomes digital indoctrination** without the intricacy of sharing and depth of creative pursuit. Small businesses which can foster community

values are replaced with global corporations with **imperial values**. Oppressive measures continue to concentrate among those who are already oppressed. The result of lacking healthcare, **weakened immunity**, and prevailing health issues manifest as justifications to entangle them with more lockdown measures and financialization of their sufferings.

10.10 Capitalism: A Serial Arsonist by Night, A Brave Firefighter by Day

The head of the World Economic Forum, **Klaus Schwab**, writes(11)

"COVID-19 lockdowns may be gradually easing, but anxiety about the world's social and economic prospects is only intensifying. There is good reason to worry: a sharp economic downturn has already begun, and we could be facing the worst depression since the 1930s. But, while this outcome is likely, it is not unavoidable. To achieve a better outcome, the world must act jointly and swiftly to revamp all aspects of our societies and economies, from education to social contracts and working conditions. Every country, from the United States to China, must participate, and every industry, from oil and gas to tech, must be transformed. In short, we need a "Great Reset" of capitalism."

Independent researcher **Cory Morningstar** writes(12):

"Schwab refers to the COVID-19 crisis as a watershed moment for fourth industrial revolution technologies. And while people are distracted with masks and COVID-positive cases reported incessantly in order to sow anxiety and compliance, the global consolidation of power is happening in real time. In servitude to the power elite, World Economic Forum founder and CEO Klaus Schwab is advancing "a new global architecture", upheld by a new "global governance". [May 18, 2018](#): the World Bank partners with the United Nations. [June 13, 2019](#): the World Economic Forum partners with the United Nations. [Oct 18, 2019](#): a high [stimulation](#) exercise, modeling a fictional coronavirus pandemic, was held by the Johns Hopkins Center for Health Security, [5] in partnership with the in partnership with the World Economic Forum and the Bill and Melinda Gates Foundation. Approximately five months later, on [March 11, 2020](#): the World Economic Forum partners with the World Health Organization (a UN body) launching the COVID Action Platform, a coalition of [200+](#) of the world's most powerful corporations. (By May 6, 2020 this number had swelled to over 1,106.) On this same day, [March 11, 2020](#), the World Health Organization classified COVID-19 as a pandemic.

On March 26, 2020, with 87% of the world's student population affected by COVID-19 school closures, the [Global Education Coalition](#) was announced as a means to accelerate the transition to a global fourth industrial revolution digitalized [education](#) fueled by [emerging markets \(SDGs\)](#). Founding [partners](#) include Microsoft, Google, and Facebook. Other partners include BBC, McKinsey, IBM, the Johns Hopkins Institute for Education Policy, and the [Global Business Coalition for Education](#). [Global Business Coalition for Education [Advisory Board Members](#) and [Founding Members](#)] This is the global commodification of children, as data commodities, a new class asset. An emerging market, under the guise of SDGs (presided over by the World Economic Forum), built on child data surveillance and human capital assets. [April 15, 2019: From Billions to Trillions: Investing in the Next Generation]"

Winter Oak straightforwardly describes(13) Klaus Schwab's world view as "fascistic" and describes how Covid-19 can help realize "his great fascist reset":

"21st century fascism has found different political forms through which to continue its core project of reshaping humanity to suit capitalism through blatantly authoritarian means.

This new fascism is today being advanced in the guise of global governance, biosecurity, the "New Normal", the "New Deal for Nature" and the "Fourth Industrial Revolution".

The global capitalist ruling elite have certainly been doing their best to "take advantage of the shock inflicted by the panic", assuring us all since the very earliest days of the outbreak that, for some unfathomable reason, nothing in our lives could ever be the same again.

Schwab and Malleret are, inevitably, enthusiastic in their use of the New Normal framing, despite their admission that the virus was only ever “mild”.

“It is our defining moment”, they crow. “Many things will change forever”. “A new world will emerge”. “The societal upheaval unleashed by COVID-19 will last for years, and possibly generations”. “Many of us are pondering when things will return to normal. The short response is: never”. (97)”

Historian **Luciana Bohne**, writes(14) on her facebook wall:

“Ominous words from the World Bank (see below). They say post-Covid, we’ll have a “different economy.” By “different” they mean “new businesses and sectors.” They mean “the older are being driven to bankruptcy or absorbed into monopolies.” They mean, “You are going to lose your jobs and not many of you will find them in the new sectors because you won’t have the skills.” They blame Covid, but the old economy—that they’re shutting down—well before Covid was in growth ZERO (Germany for example) and most Western-style economies were well below the minimum tolerable 3%. So, Covid didn’t kill it. They drove it to the edge, And now it’s being “restructured,” and “downsized”—it’s NEOLIBERALISM ON STEROIDS. If that is possible, and they think it is.

“In order to reverse this serious setback [Covid] to development progress and poverty reduction, countries will need to prepare for a different economy post-COVID, by allowing capital, labor, skills, and innovation to move into new businesses and sectors.”—World Bank, October 2020 Reportsd”

In the past, we’ve seen the US government engage in destruction of communities by cornering people into destitute poverty, violence, drug epidemic, only to introduce “solutions” which gentrify, incarcerate, murder and steal. We’ve seen western governments engage in destabilization of countries by sanctions, economic embargo, propaganda campaigns and proxy wars, only to declare “so and so must go”, “so and so is killing his own people” and unleash its military might in protecting the western capitalist hegemony. The events surrounding Covid-19 illustrates a text book pattern of events within the capitalist framework in which a concerted momentum of fear, crisis and economic assaults are orchestrated in order to introduce favorable conditions for more exploitation and subjugation.

It must be strongly noted that the urgency of virus measures and their repressive aspects can augment violent strategies against “enemy” in and out of the empire, corporate green schemes against nature, commodification of digitized social relations and financialization of oppressed populations. The human costs as well as environmental costs of plunderings will be enormous. The schemes described by various independent journalists reflect how dangerous those imaginations of domination, which are devoid of material reality, can be.

The active initiatives to replace humanity and nature with an artificial-scape of algorithm, machines, and artificial intelligence are in line with the colonization of humanity and nature by capitalism. Ultimately, digitization of social relations and currency allow the capitalist establishment to put strings on people’s behaviors just as the capitalist hierarchy controls people’s behavior with economic structural extortions (I highly recommend research by Alison McDowell on it below). People’s paths are further atomized and divided without organic social interactions within a rigid framework to be controlled, moderated, and harvested as commodified data. Here are some good materials on the topic and more. Please do look into each materials.

- [COVID-19 AS A WEAPON. THE CRUSHING OF THE DISPOSABLE WORKING CLASS – BY DESIGN](#) (5)

by Cory Morningstar

- [Masks Made Mandatory in the Age of Climate Emergency & Planetary Biodiversity Crisis](#) (12)

By Cory Morningstar

- [Klaus Schwab and His Great Fascist Reset](#) (13)

by Winter Oak

- [All Roads Lead to Dark Winter](#) (15)

By Whitney Webb & Raul Diego

- [Introduction to the Fourth Industrial Revolution & The Covid Economic Reset](#) (16)

By Alison McDowell

- [Episode 383—COVID-911: From Homeland Security to Biosecurity](#) (17)

By James Corbett

“Good Americans”

American people are deeply domesticated people with a grand sense of narcissism as “Americans”. The country has inflicted so much pain and suffering against the world with its colonial policies and wars, yet American people generally perceive themselves as citizens of freedom. Ironically, the more they are cornered into enduring the consequences of their own complacency, the more they cling to the fact that they are at least “Americans”. Because, as it was described above, rejecting their countryhood is a rejection of themselves—the biggest fear of all for the proud Americans.

Such a core value bursts out in the open when we see white people screaming “I’m white!” as they get beaten up by police officers. It’s not that they don’t know the nature of the stratified structure of the caste system when they insist on “diversity” without dismantling the exploitive system of subjugation. Most of them do know it and they do know their positions in it and they want to keep it that way.

That’s why so many people buy the idea that Russians are messing with their “democracy”. It is not that they actually believe that Russians do stuff to them, but they sense the position of Russia in the imperial framework. “How dare Russians get in the way of the United States of America!”. How ironic is it that those who are going through the economic shock therapy now at the hands of those who inflicted an economic shock therapy against the Russian people after the destruction of USSR fail to see what is happening to themselves. Needless to say, imperial gravity is global. Some western proxy powers, on the other hand, are eager to comply and do extra miles in order to hold better positions in the imperial hierarchy. Neoliberal restructuring of their economies, compliance for military strategic necessities, and demonization of “enemy countries” and so on can be more prominent in those countries than the US itself.

China and Covid-19

Now, I feel compelled to discuss briefly why I think China has acted so drastically to the virus situation since this has been raised over and over to either validate western actions on the virus or to demonize the Chinese government for taking such strict measures.

First of all, it should be noted that there are drastic differences between fully for profit measures implemented by the western countries and measures implemented by China which include considerations for job security, wage compensation, viable treatment options and so on. The measures were effective in keeping the fatality at the very minimum. A recent poll shows the level of happiness among the Chinese people to be extremely high compared to that of western countries.

China has been cornered by the imperial forces to realize what it sees as a Marxist Leninist society with a long term plan. There have been a few major lessons for China. **First, industrialized western powers**

have attempted to colonize China multiple times. This has necessitated that China have its own industrialization through centralized planning in order to provide for its population while avoiding being exploited and subjugated by the western capitalist framework.

In order to do so, China has established its Five Principles of Peaceful Coexistence: mutual respect for sovereignty and territorial integrity, mutual non-aggression, non-interference in each other's internal affairs, equality and mutual benefit, and peaceful coexistence. Based on this idea of non-interference, China engages in economic activities with countries that do not share such principles—which include major imperialist powers and proxies.

As a result, China has indeed expanded its economic sphere, successfully pulling countless people out of poverty, while gaining its economic power against the imperial forces. This has attracted criticism among those who see China as an anti-imperial force. "How come China is working with Israel, the US and so on in its economic projects?", they would ask. The answer to me is in its aim of economic development for its people as well as in its non interference policy. As a sovereign country, China is deciding its own path by weighing a particular balance between pragmatism and moving toward its goal within the world in which imperial powers are dominant.

Now, there is another angle we must pay attention to. The introduction of its market economy for China has been another necessity to avoid destruction of its economy, as well as its nationhood, by development of the black market as well as infiltration by the western colonial interests. By allowing free market activities under the framework of the CPC, China ensures its emerging billionaires to follow Chinese agendas instead of the Western imperial framework.

This background helps us to understand China's very active position in Covid-19 measures. If indeed what the global economic powers term as the 4th industrial revolution is a determining factor for their future economic powers, not having a stake in it puts China in a secondary position to the Western imperial hegemony. The Covid situation needs to be seen in this dynamic of the economic struggle between the imperialist forces and the rest of the world since it is an introduction to the 4th industrial revolution in many regards.

China simply sees the medical measures against the virus as well as the 4th industrial revolution as a part of the economic phenomenon that needs to be under the guidance of the CPC. This might be hard to swallow for those who recognize the grave danger of further digitizing our social relations under the corporate framework, as well as its financialization and its associated assortments of exploitation and subjugation. This is understandable but such a judgement should not be made according to the western capitalist history and its contexts.

This point has been fully utilized by the western establishment in erroneously labeling China as leading online censorship and repressive measures associated with new technologies. For one thing, regulations against western political infiltration can not be equated to "censorship" or "human rights abuse" when we look at the history of the western colonial destabilization schemes against subject countries. The Chinese government gets more support from its own people than most western governments do for good reasons. The income inequality as well as the poverty rate is lower in China than the US now. Meanwhile, reality shows us that it has been the US police that kills three people on average everyday, and it is the US government interfering with human rights, imposing mass incarceration, violent police forces, institutional discrimination of various sorts, deprivation of social safety nets, and global surveillance and so on against the people. Credit score, racial demography, and tools of oppression have been used to perpetuate exploitation and subjugation in the US for so long.

It just doesn't make sense to target China when the US is clearly the leading force of exploitation globally, and China to the empire is the biggest obstacle in its path today.

And let's say that the 4th Industrial Revolution is detrimental to the people in the west. Would it make sense to demonize China and demand that it stop developing AI technology, online capabilities and so on? Isn't it like destroying all nuclear weapons of Russia and China during the Cold War?

China has its own problems stemming from its introduction of the market economy, environmental issues and so on. Although the structural issues have emerged from reactions against the imperial forces, needless to say, allowing imperial forces to "solve" them totally defeats the purpose. Those problems are not the white man's burden to be solved by the west. China has its own ways of solving them and it is simply not the business of the imperial west to decide the fate of the Chinese people.

Last but not the least, the imperial forces, including the pre-WW2 imperial Japan, have engaged in bio attacks against China, Korea, Cuba and so on. The US military possesses numerous bio weapon facilities across the globe(18). The preparedness against such attacks is another determining factor in overcoming western imperialism as it is a deterrence against an imperial bio attack. This matter is particularly urgent when the western media, government agencies, corporate entities, NGOs and other political, economic and military forces of the West have been orchestrating various destabilizing projects against China-Uyghur region(19), Hong Kong(20) and blatant lies regarding the Tiananmen Square event(21) to name a few. The empire has been colonizing and co-opting those who defy, and when it fails, it has mercilessly destroyed them.

Understanding these dynamics between China as well as its allies and the Western capitalist hegemony should be a positive step toward our harmonious existence.

Lastly, I would like to sincerely express my gratitude to all of you who stand where imperial gravity is strong. Thank you. Uncovering facts buried in the sea of capitalist propaganda and discerning dynamics rooted in our genuine circumstances and its historical context is important. Because grasping the material reality is a key to remaining human when we are domesticated in the capitalist cage of lies and deceptions.

[Hiroyuki Hamada](#) is an artist. He has exhibited widely in gallery and non-commercial settings alike. Hamada was the recipient of a Pollock-Krasner Foundation grant, twice received New York Foundation for the Arts Fellowships in sculpture, and was awarded a Guggenheim Fellowship in 2018. Alongside his work in the studio, his writings have appeared through various online outlets.

10.12 Part 1: Who controls the British Government response to Covid-19?³⁹

Notes:

- Department of Infectious Disease Epidemiology at Imperial College. VIMC is funded by the Bill and Melinda Gates Foundation and by GAVI
- Gates Foundation has sponsored Imperial College with a whopping \$185 million.
- **Wellcome Trust**, a British research charity which began funding Imperial College prior to Ferguson's FMD débâcle and which, by the end of 2018, had already provided Imperial with over \$400 million in funding.
- The Gates Foundation established the GHLLDVC in collaboration with the WHO, UNICEF and the US National Institute of Allergy and Infectious Diseases (NIAID).
- The Global Vaccine Action Plan... governments, multilateral organizations, civil society, the private sector and philanthropic organizations — and will identify critical policy, resource, and other gaps...vaccines
- The Collaboration's leadership council at the time included the Director-General of the WHO, the Director of NIAID, the Director of UNICEF, the President of Gates Foundation Global Health, and the Chair of the African Malaria Alliance. The steering committee included the Director of Immunisation, the UK Department of Health, and many other representatives from the WHO, UNICEF and associated organisations. It is a cluster of immunisation-focused individuals controlling the policy of world health governing bodies, who claim to be neutral
- The WHO was nominated as the "directing and coordinating authority on international health within the United Nations system"
- UNICEF, the "world's largest provider of vaccines for developing countries" has on-the-ground access to children in over 150 territories and countries (2010).
- We are already seeing the potential for some serious conflict of interest behind the Ferguson model on Covid-19
- GAVI... the World Bank and donor/implementing country governments. The Gates Foundation is a primary sponsor, but is topped by the British Government, which was instrumental in creating GAVI and is its largest donor.
- While many sectors of British society have seen their living standards plummet, with the elderly severely neglected, a National Health Service in decline and homelessness on the increase, the British Government, via UKAID, has pledged £1.44 billion to GAVI for 2016-2020 and will be hosting the 2020 GAVI pledging conference, which is due to take place in June 2020 to "mobilise at least US\$ 7.4 billion in additional resources to protect the next generation with vaccines
- Global vaccination market revenue worldwide is projected to reach \$59.2 billion by 2020; this number may well increase with the arrival of Covid-19.
- The British Government's investment in GAVI alongside vaccine promoter Bill Gates must, again, raise the issue of conflicts of interest.
- Vaccines are set to be a major source of income for the world's largest pharmaceutical corporations, and the British Government is invested in that lucrative future.
- The Global Vaccine Action Plan (GVAP) 2012-2020, endorsed by the 194 member states participating in the World Health Assembly (2012), is led by the same members of the Gates "vaccine decade" consortium, promoted by the WHO, and brings together governments, elected officials, health professionals, academia, manufacturers, global agencies, research and development, civil society, media and the private sector — to promote global immunisation. This is a profit-driven corporate complex harnessing the "humanitarian" sector to lend credence to the claims of philanthropy, or more realistically, philanthrocapitalism.
- Rockefeller Foundation provided ID2020 with seed funding in 2017
- Accenture founding partner 2017
- Microsoft joined ID2020 Jan 2018
- A glance at the partner page of the GAVI website reveals that not only is GAVI heavily invested in immunisation campaigns, it is also closely connected to the Gates, Microsoft and Rockefeller Foundation seed-funded ID2020 project (Digital Identity Alliance), which incorporates Accenture, Microsoft (Gates), Ideo-Org and Rockefeller Foundation into the GAVI alliance, all with ties to the ID2020 initiative.
- ID2020 is promoting the concept that there is a need for universal biometric verification, because "to prove who you are is a fundamental and universal human right,"
- An article by journalist Kurt Nimmo for Global Research dismantles the "humanitarian" alibi for tyranny.
- OffGrid Healthcare explains:
- What they really want is a fully standardized data collection and retrieval format, and cross-border sharing of identities of the entire population of the planet, in order for the stand-alone AI-powered command center to work without a hitch, and for purposes of calculating everyone's potential contribution, and threat to the system.
- Nimmo describes the potential for Covid-19 to be used as cover for mandatory biometric ID. An April article carried by Reuters confirms the suspicion that biometric ID might soon be introduced, ostensibly to "help verify those who already had the infection and ensure the vulnerable get the vaccine when it is launched". This may sound perfectly sensible to those who are buying the government strap-lines on Covid-19 but — as Nimmo warns us — "COVID-19 is the perfect Trojan horse for a control freak state itching to not only micromanage the lives of ordinary citizens but also ferret out critics and potential adversaries and punish them as enemies of the state."
- the harbingers of mandatory vaccination and the inclusion of biometric ID in the "humanitarian" package.
- encourage us to accept digital implants and tracking devices that will enable authorities to keep an eye on us
- UKAID is heavily involved in GAVI
- Rob Laurence, director at UK-based Innovate Identity, presented proposals for the future of digital identity back in June 2019.
- Laurence describes 2020 as the "now-or-never year for government and industry to collaborate" in the creation of an "interoperable digital identity market".
- "boost its ID technology"
- MIT created a "microneedle platform using fluorescent microparticles called quantum dots (QD) which can deliver vaccines and at the same time, invisibly encode vaccination history in the skin
- we are tracked and monitored by our own communication systems
- The scientific clique influencing government decisions is one that is incorporated into a for-profit Big Pharma industrial network which will, undeniably, benefit
- Why are the views of epidemiologists, doctors, scientists, analysts and health advisors who challenge the lockdown being ignored or censored by the media

³⁹ <https://thewallwillfall.org/2020/05/02/who-controls-the-british-government-response-to-covid-19/>

vanessa beeley / May 2, 2020

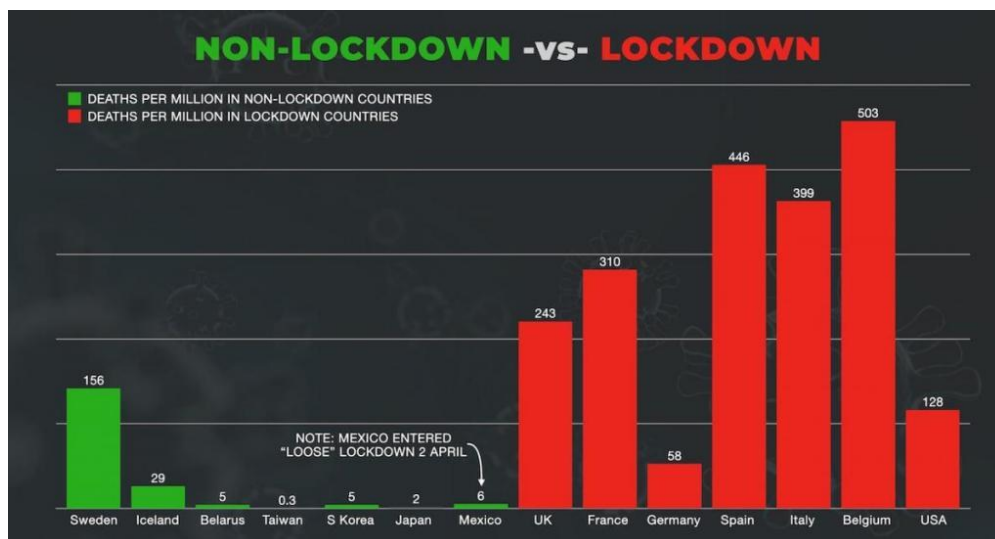
Part one – first published at [UK Column](#)

"The welfare of humanity is always the alibi of tyrants" — [Albert Camus](#)

As Britain hurtles headlong towards neo-feudalist governance with heightened surveillance, micro-management of society and an uptick in fascistic policing of the draconian measures imposed to combat the "threat" of Covid-19, it is perhaps time to analyse the real forces behind this "new normal".

There is now serious doubt over the correlation between lockdown and saving lives. Reality is creeping into the Covid-19 dialogue. It is becoming apparent that people are getting sick because they are being isolated and effectively living under house arrest, condemned as "murderers" if they so much as think about breaking curfew, being snitched on by neighbours for "gathering" more than two people together in their back gardens.

The following graph was produced by UK Column and demonstrates the **lack of correlation** between lockdown and "saving lives":



The numbers game is acting in many instances as a **smokescreen**. It is impossible to rely upon "official" statistics, that vary wildly from one website to another: statistics that rely upon unreliable and sporadic testing procedures, and based upon death certificates that misrepresent the actual cause of death as Covid-19, regardless of pre-existing medical conditions. Statistics, too, that were set in stone very early on in the development stages, when the perspective was limited and compressed, before a true picture could be seen. The [newly emerging statistics](#) are now increasingly undermining initial conclusions and pointing to the futility and negative consequences of lockdown.

It is now accepted that there is a high mortality rate among the elderly in [care homes](#) in the UK and [globally](#) — among the same elderly civilians who are being "asked" to sign DNRs (**Do Not Resuscitate**) forms. This amounts to signing their own death warrant, should they present any of the Covid-19 symptoms. They will be neglected, isolated from their families when at their most vulnerable and left alone to die, even though it is possible that they have not contracted the virus.

Instead of offering proactive and **positive suggestions that will enable our immune systems to combat the disease**, the British Government is ensuring conditions that will **suppress** immune systems to dangerous levels and create the perfect environment for Covid-19 to flourish.

Britain has now received an estimated [1.4 million new benefit claims](#) for welfare payments, "about seven times the normal level". The government has pledged to **bail out "80% of pay of workers** who are temporarily

laid off” but I have personally spoken to self-employed individuals who find themselves falling between the cracks that qualify them for financial support and now face an indefinite period of time without income.

These measures are being imposed in a country that, since 2012, has seen an exponential growth in **child poverty** to potentially sub-Victorian levels. In [March 2019](#), the number of children living in “absolute poverty” grew by a staggering 200,000 in a twelve-month period, to a total of 3.7 million. How will this number be further impacted by lockdown?

How did we arrive at this point? Who steered the UK Government towards this questionable and alarmist lockdown policy? The unexamined assumption is that conclusions were formed on the basis of sound epidemiological analysis and research by doctors and scientists who care about our welfare.

The reality is what we will examine in this article. Neil Ferguson, a professor [at Imperial College](#), was responsible for the modelling of a response to Covid-19. His **virtual model** was recommended by the World Health Organisation (WHO) and it passed through into policy with virtually **no scrutiny**. Ferguson’s dramatic prediction of 500,000 deaths in the UK became the foundation of Boris Johnson’s **U-turn** from herd immunity to collective quarantine.

While some understood that Ferguson later reduced his mortality calculations, he actually doubled down on his projections [on Twitter](#), insisting that without drastic lockdown measures being taken, the numbers would be even higher.

Who is Neil Ferguson?



Ferguson is acting director of the [Vaccine Impact Modelling Consortium](#) (VIMC), which is based at Imperial College in London. According to Ferguson’s biography on the website, “much of [his] work is applied, **informing disease control** policy-making by public and global health institutions.”

The professor who **derailed Johnson’s semblance of “herd immunity” strategy** is no stranger to controversy and is described as having a [“patchy” record of modelling pandemics](#) by one of his academic peers, Professor Michael Thrusfield of Edinburgh University, an expert in animal diseases.

Ferguson was **instrumental** in the modelling of the British Government’s response to **Foot and Mouth Disease (FMD) in 2001**, which Thrusfield describes as “not fit for purpose” (2006) and “seriously flawed” (2012). Thrusfield has highlighted the limitations of Ferguson’s mathematical modelling methods, and applied the

doubts he expressed over FMD to the current Covid-19 “crisis” response.

An estimated **twelve million animals were slaughtered** as a result of Ferguson’s 2001 initiative. The farming community was devastated by suicides and bankruptcies that irretrievably altered the landscape of British agriculture — forcing healthy smallholdings into **agri-corporate mergers** and empowering the **EU central governance** in the agricultural sector.



Image copyright: Nick Green

Insight: Slaughtered on Suspicion, a [documentary made by UK Column](#) in 2015, provides a shocking insight into the suffering precipitated by Ferguson's model and the "new normal" imposed upon Britain's farming community. The following is a statement made by one of the contributors to the programme:

12,000,000 animals [*Meat & Livestock Commission statistic*] were **slaughtered** but that did not include lambs at foot, aborted lambs, calves or piglets. Further, tens of thousands of chickens were slaughtered in the early months — on welfare grounds, apparently. 88% of all animals slaughtered

had **not contracted FMD** [*source: Department for Environment, Food and Rural Affairs*].

Great Orton airfield was used to **slaughter sheep under the "voluntary" cull**: that was anything but voluntary, and farmers not participating were ruthlessly threatened. There was only one mild case of FMD recorded from the thousands of blood tests done at Great Orton [*source: DEFRA*].

There was a travelator that ran from the slaughter tent at Great Orton to the graves. This ran 16 hours a day, transporting "dead" young lambs. Slaughtermen working there told me that many of the lambs were buried alive.

The man that advised Blair during this fiasco was, as many will know, **Prof. Ferguson** of Imperial College. He was [*reportedly*] **sacked by DEFRA** late on during the epidemic, but the damage had been done! Prof Ferguson **was awarded an OBE** in 2002 for his work during FMD 2001." [*Emphasis added*]

In 2002, Ferguson [predicted](#) that up to **50,000 people would die** from variant Creutzfeldt-Jakob disease, better known as "**mad cow disease**", increasing to 150,000 if the epidemic expanded to include sheep. The reality is: "Since 1990, 178 people in the United Kingdom have died from vCJD, according to the [National CJD Research & Surveillance Unit](#) at the University of Edinburgh." (2017)

In 2005, Ferguson claimed that up to **200 million people would be killed by bird-flu** or H5N1. By early 2006, the WHO had only linked [78 deaths to the virus, out of 147 reported cases](#).

In 2009, Ferguson and his team at Imperial College [advised the government](#) that **swine flu** or H1N1 would probably kill 65,000 people in the UK. In the end, swine flu claimed the lives of 457 people in the UK.

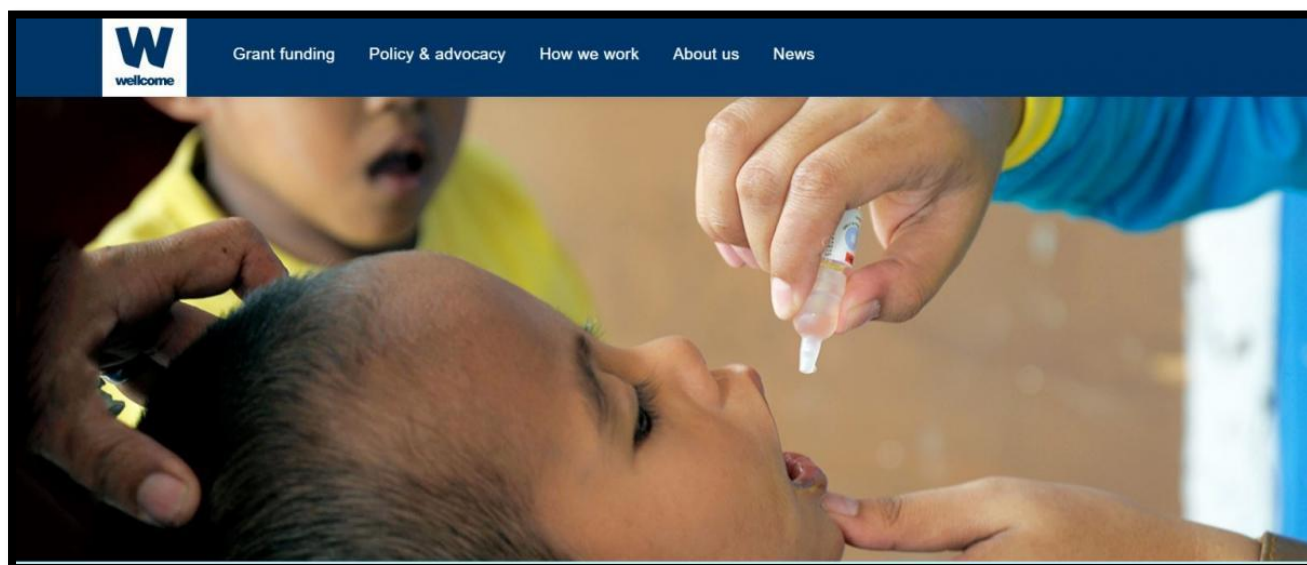
Now, in 2020, Ferguson and Imperial College have released a [report](#) which claims that half a million Britons and 2.2 million Americans may be **killed by Covid-19**. The report has still not been peer-reviewed; despite this and Ferguson's glaring record of mathematical sensationalism, the British Government has adopted the devastating socio-economic lockdown that Ferguson has proposed.

Why is the British Government so quick to follow Ferguson's plan?

1. GAVI and Imperial College

The VIMC is hosted by the [Department of Infectious Disease Epidemiology at Imperial College](#). VIMC is funded by the [Bill and Melinda Gates Foundation](#) and by "GAVI, the vaccine alliance" (GAVI's own title for itself). Bill and Melinda Gates began funding Imperial College in 2006, four years before the Gates Foundation launched the [Global Health Leaders Launch Decade of Vaccines Collaboration](#) (GHLLDVC) and one year after Ferguson had demonstrated his penchant for [overblown projections](#) on mortality numbers from H5N1.

Up to the end of 2018, the Gates Foundation has [sponsored](#) Imperial College with a whopping [\\$185 million](#). That makes Gates the second largest sponsor, beaten to the top spot on the podium by the [Wellcome Trust](#), a British research charity which began [funding](#) Imperial College prior to Ferguson's FMD débâcle and which, by the end of 2018, had already provided Imperial with over \$400 million in funding. I will examine the Wellcome Trust's connections in part two of this series.



Wellcome trust also has a focus on global immunization programmes.

The Gates Foundation established the [GHLLDVC](#) in collaboration with the WHO, UNICEF and the US National Institute of Allergy and Infectious Diseases (NIAID). The following is taken from the Gates Foundation [website](#):

The Global Vaccine Action Plan will enable greater coordination across all stakeholder groups – national governments, multilateral organizations, civil society, the private sector and philanthropic organizations — and will identify critical policy, resource, and other gaps that must be addressed to realize the life-saving potential of vaccines.

The Collaboration's [leadership council](#) at the time included the Director-General of the WHO, the Director of NIAID, the Director of UNICEF, the President of Gates Foundation Global Health, and the Chair of the African Malaria Alliance. The steering committee included the Director of Immunisation, the UK Department of Health, and many other representatives from the WHO, UNICEF and associated organisations. It is a cluster of immunisation-focused individuals controlling the policy of world health governing bodies, who claim to be neutral.

The WHO was nominated as the "directing and coordinating authority on international health within the United Nations system" and was set up to be responsible for "shaping the health research agenda", among other tasks linked to the policy of global immunisation.

UNICEF, the "world's largest provider of vaccines for developing countries" has on-the-ground access to children in over 150 territories and countries (2010).

We are already seeing the potential for some serious conflict of interest behind the Ferguson model on Covid-19, and this will become even more apparent as the connections are now made to an entire pharmaceutical complex potentially protecting its own interests over any genuine concerns for the health and welfare of global populations.

Gavi, the vaccine alliance



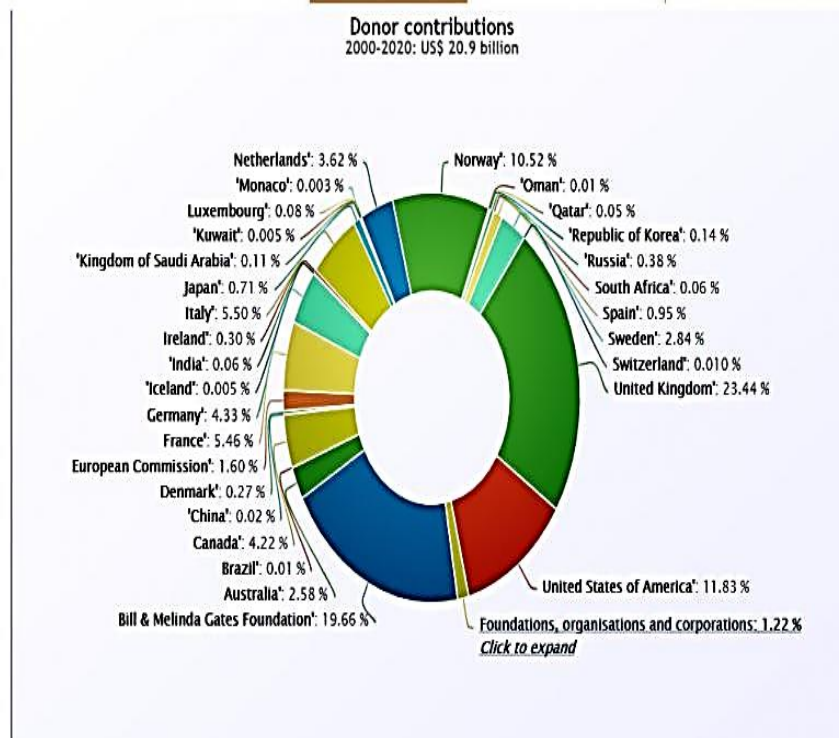
"Gavi is the Vaccine Alliance, which brings together public and private sectors with the shared goal of creating equal access to vaccines for children, wherever they live."

GAVI is funded and partnered by the same network that forms the GHLLDVC, with some noticeable additions: the World Bank and donor/implementing country governments. The Gates Foundation is a primary sponsor, but is topped by the British Government, which was instrumental in creating GAVI and is its largest donor.



OUR ALLIANCE PROGRAMMES & IMPACT **INVESTING IN GAVI** #VACCINESWORK NEWS & RESOURCES

GAVI DONOR CONTRIBUTIONS FOR THE PERIOD 2000-2020



While many sectors of **British society have seen their living standards plummet**, with the elderly severely neglected, a National Health Service in decline and homelessness on the increase, the British Government, via UKAID, has pledged £1.44 billion to GAVI for 2016–2020 and will be [hosting the 2020 GAVI](#) pledging conference, which is due to take place in June 2020 to “mobilise at least [US\\$ 7.4 billion](#) in additional resources to protect the next generation with **vaccines**, reduce disease inequality and create a healthier, safer and more prosperous world.” (Emphasis added)

The conference promises to bring together political leaders, civil society, public and private donors, vaccine manufacturers and governments to support GAVI, the vaccine alliance — which boasts that it has “helped vaccinate almost **half the world’s children** against deadly and debilitating infectious diseases”. This claim will be met with praise from the pro-vaccine lobby but [concerns over the efficacy and safety](#) of these mass vaccination programmes must be taken into account, particularly when being tested in poorer, developing countries.



[Global vaccination market revenue worldwide](#) is projected to reach \$59.2 billion by 2020; this number may well increase with the arrival of Covid-19. **The British Government's investment in GAVI alongside vaccine promoter Bill Gates** must, again, raise the issue of conflicts of interest. To what extent is the British Government **protecting its own assets** in forcing the lockdown upon its population? Vaccines are set to be a major source of income for the world's largest pharmaceutical corporations, and the British Government is invested in that lucrative future.


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When Melinda and I started this work more than a decade ago, we were inspired by the conviction that “all lives have equal value.” So one of the first things we invested in was vaccines, which protect all children who receive them, no matter how rich or poor they may be. In short, vaccines work.

Bill Gates
Co-Chair, The Bill & Melinda Gates Foundation



The GAVI **replenishment conference** is to be hosted by a British Government whose lockdown policy is effectively shattering the domestic economy and is collectively **punishing the most vulnerable** in British society.

When Bill Gates partnered with GAVI twenty years ago, he had been considering where next to focus his philanthropy and was “[increasingly focusing](#) on the power and potential of vaccines”. It was Gates’ substantial sponsorship that launched GAVI, and ten years later Gates launched his own “vaccine decade” plan for the 2010s.

The Global Vaccine Action Plan (GVAP) 2012–2020, endorsed by the 194 member states participating in the World Health Assembly (2012), is led by the same members of the Gates “vaccine decade” consortium, [promoted by the WHO](#), and brings together governments, elected officials, health professionals, academia, manufacturers, global agencies, research and development, civil society, media and the private sector — to promote global immunisation. This is a profit-driven corporate complex harnessing the “humanitarian” sector to lend credence to the claims of philanthropy, or more realistically, philanthrocapitalism.

2. GAVI and ID2020

accenture

A global management consulting and professional services firm, Accenture joined as a founding partner in June 2017. Accenture representatives participate in ID2020's Executive Board and Technical Advisory Committee.

Why the Alliance
Partners
Governance

microsoft

The American multinational technology company joined ID2020 in January 2018 as a founding partner. Members of the Microsoft team sit on ID2020's Technical and Program Delivery Advisory Committees.



Gavi, the Vaccine Alliance brings together public and private sectors with the shared goal of creating equal access to new and underused vaccines for children living in the world's poorest countries. Dr. Seth Berkley, CEO of Gavi, the Vaccine Alliance, sits on our Executive Board.



Created by IDEO, the international design and consulting firm, to design products, services, and experiences to improve the lives of people in poor and vulnerable communities, IDEO.org joined ID2020 in 2018. IDEO.org is represented on our Program Delivery and Ecosystem & Advocacy Advisory Committees.

THE ROCKEFELLER FOUNDATION

Since 1913, the Rockefeller Foundation has sought to improve the well-being of humanity around the world. The Rockefeller Foundation provided ID2020 with seed funding in 2017 and has been an ongoing supporter of ID2020's work.

A glance at the partner page of the GAVI website reveals that not only is GAVI heavily invested in immunisation campaigns, it is also **closely connected** to the Gates, Microsoft and Rockefeller Foundation seed-funded ID2020 project (Digital Identity Alliance), which incorporates Accenture, Microsoft (Gates), Ideo-Org and Rockefeller Foundation into the GAVI alliance, **all with ties** to the ID2020 initiative.

ID2020 is promoting the concept that there is a **need for universal biometric verification**, because "to prove who you are is a fundamental and universal human right," as asserted on the ID2020 website. An article by journalist [Kurt Nimmo](#) for Global Research dismantles the "humanitarian" alibi for tyranny.

[OffGrid Healthcare](#) explains:

What they really want is a fully **standardized data collection and retrieval format**, and cross-border sharing of identities of the entire population of the planet, in order for the **stand-alone AI-powered** command center to work without a hitch, and for purposes of calculating everyone's potential contribution, and threat to the system.

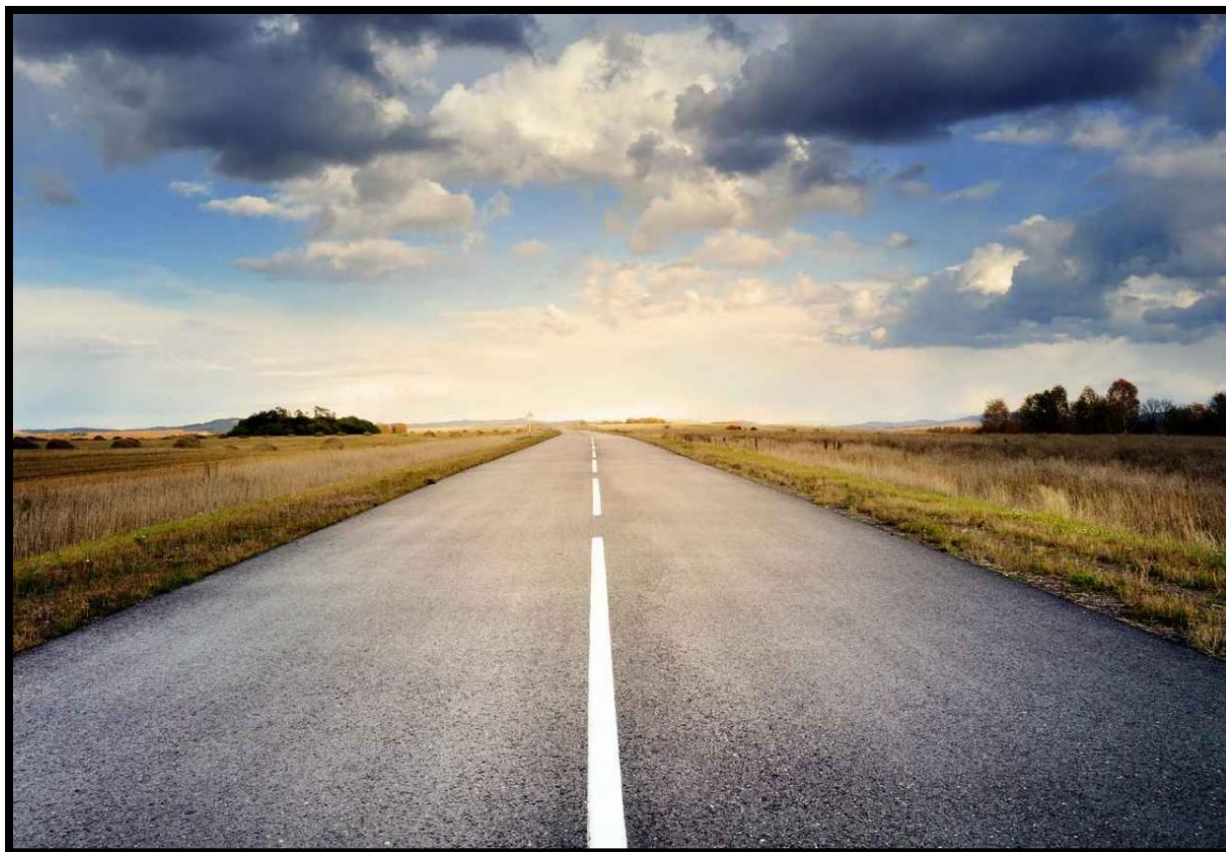
Nimmo describes the potential for **Covid-19 to be used as cover for mandatory biometric ID**. An April [article](#) carried by Reuters confirms the suspicion that biometric ID might soon be introduced, ostensibly to "help verify those who already had the infection and ensure the vulnerable get the vaccine when it is launched". This may sound perfectly sensible to those who are buying the government strap-lines on Covid-19 but — as Nimmo warns us — "COVID-19 is the perfect Trojan horse for a control freak state itching to not only micromanage the lives of ordinary citizens but also ferret out critics and potential adversaries and punish them as enemies of the state."

[Prashant Yadav](#), senior fellow at the US-based Center for Global Development, has said:

Biometric IDs can be a **gamechanger**. They can help governments **target population segments** e.g healthcare professionals or the elderly population, verify people who have received vaccination, and **have a clear record**. *[Emphasis added]*

Such statements can easily be interpreted as the **harbingers** of mandatory vaccination and the inclusion of biometric ID in the "humanitarian" package.

Martin Armstrong of [Armstrong Technologies](#) introduces an even more sinister projection into the mix. Armstrong talks about a **digital certificate that verifies you have been vaccinated**, developed by the Massachusetts Institute of Technology (MIT) and Microsoft, which will **merge** with ID2020. Covid-19 will be exploited to encourage us to accept digital implants and tracking devices that will enable authorities to keep an eye on us. Armstrong argues that just as 9/11 conditioned us to accept X-ray booths at airports, now we will be chipped alongside our dogs and cats.



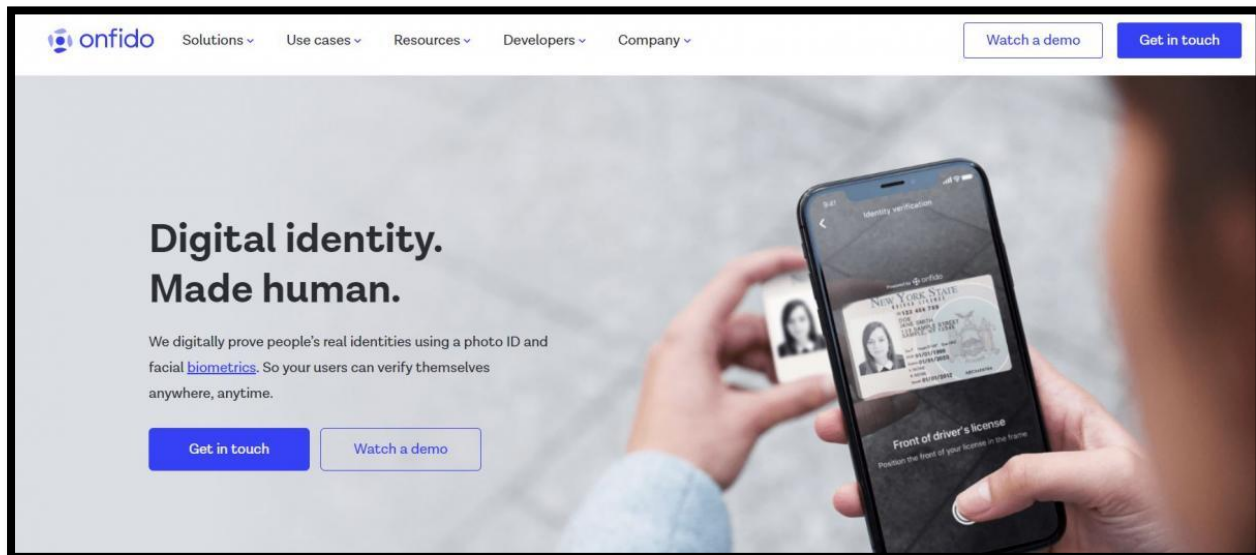
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The road to 2020 – the future for digital identity in the UK. (Title of Innovate Identity article June 2019)

At this point, it is worth remembering that UKAID is heavily involved in GAVI, and one presumes they are on board with the digital ID2020 project. [Rob Laurence](#), director at UK-based Innovate Identity, presented proposals for the future of digital identity back in [June 2019](#). The UK Government [Verify scheme](#) was identified as a fledgling version of the future of digital ID.

Laurence describes the digital ID “ecosystem” that is emerging: Oliver Dowden, Minister for Implementation at the Cabinet Office (the British Government’s co-ordinating department), will form a new Digital ID Unit to “pave the way for the government to consume digital identities from the private sector”. Laurence describes 2020 as the “now-or-never year for government and industry to collaborate” in the creation of an “interoperable digital identity market”.

Covid19 provides the opportunity that might just fulfil these predictions.



It is no coincidence that a British start-up — Microsoft-funded [Onfido](#) — has recently raised \$100 million to “boost its ID technology” to enable the creation of “immunity passports” for governments “battling coronavirus”.

In December 2019, researchers at MIT created a “[microneedle platform](#) using [fluorescent microparticles](#) called [quantum dots](#) (QD) which can deliver vaccines and at the same time, invisibly encode vaccination history in the skin”: the QDs can be detected by specially adapted smartphones. The “new normal” will mean we are tracked and monitored by our own communication systems to an even greater and more intrusive extent.

The future is being modelled — but not for our benefit

In part one of this two-part series, my intention has been to raise questions over who is driving the British Government response to Covid-19. Those who have influenced the lockdown policy have very clear conflict of interest question marks over their agenda.

The [scientific clique influencing government](#) decisions is one that is incorporated into a for-profit Big Pharma industrial network which will, undeniably, benefit from the measures being taken by the British Government — a government that is financially embedded in the same complex.

Why are the views of [epidemiologists, doctors, scientists, analysts and health advisors](#) who challenge the lockdown being [ignored or censored](#) by the media and by government? Why is the government not widening the circle of advisors to take into account these opposing perspectives that might bring an end to the misery that is a consequence of enforced quarantine? *Off-Guardian* has recorded these views [here](#), [here](#) and [here](#). It is also worth following [Swiss Propaganda Research](#) for regular updates on emerging analysis and statistics that you will not always find in the mainstream media.

Lockdown is the world's biggest psychological experiment - and we will pay the price



[World Economic Forum report on the psychological experiment that is the Covid19 lockdown.](#)

Instead, the British Government is effectively endorsing the breeding of distrust in society, the erosion of public assembly, the isolation and state-sanctioned euthanasia of the elderly, the emerging police state, snitch lines, loss of dignity and livelihoods, greater dependency upon the state for survival, depression, suicide and voluntary incarceration.

31 Deaths: Toll at Quebec Nursing Home in Pandemic Reflects Global Phenomenon

Investigators are examining accusations of gross negligence after dozens of deaths at a residence where health care staff fled amid a coronavirus outbreak.



[An article in New York Times reports on the death toll in care homes which "reflect a global phenomenon" in a world under lockdown.](#)

The UN has [issued a warning](#) that the economic downturn could "kill hundreds of thousands of children in 2020". Gates, the WHO, the British Government and UNICEF are focused on global immunisation for a

“pandemic” that is not living up to the alarmist virtual projections sponsored by Gates and the Big Pharma complex, while children really will start to die from malnutrition, neglect and a myriad of consequence of extreme poverty generated by the “steepest downturn since the Great Depression of the 1930s” (IMF).

In part two, I will delve deeper into the interlocking interests of state and private corporate sectors that should not be interfering in policies which affect the welfare of British citizens. I will reveal how the same players are influencing the media response and ensuring that their interests are given the most powerful platforms to promote their agenda.

The questions must be asked: Who is really in charge of the Covid-19 response? Who benefits most? Who will suffer most from the long term consequences? And who will provide respite from those consequences when the “pandemic” has disappeared from view?

10.13 Who Controls The British Government Response To COVID-19, Part 2

A later British Medical Journal (BMJ) report deemed that GSK and health authorities had failed to warn the public of the vaccine's alarming "safety signal". The vaccine was developed by GSK and patented in September 2006. Pandemrix contained a flu strain recommended by the WHO. After reports of brain damage began to emerge, the WHO revised their advice to urge "restricted use" for people under the age of 20. Pandemrix is no longer licensed for use, but at the time, the Gordon Brown-led Labour government had granted GSK indemnity. Details of that agreement have never been made public.

In a recent interview, Neil Ferguson **defended** his Covid-19 predictions, which now appear to have been greatly exaggerated.

Ferguson reinforced the message that Britons:

cannot go completely back to normal, until we have a vaccine there will be a degree of social distancing in place."

Ferguson also confirmed the UK Government's track-and-trace policy [emphasis added]:

Longer-term social distancing will be required, not at the levels we have today, if we have contact tracing in place."

With numbers not adding up to Ferguson's alarmist projections, the subsequent lockdown of the economy, and now the UK Government's potential roll-out of mandatory vaccinations and biometric surveillance of the workforce, we could be forgiven for suspecting that the **overarching agenda** was always the increased **surveillance and control** of the majority of the population.

CEPI

Who are CEPI? CEPI is the Coalition for Epidemic Preparedness Innovations. CEPI was launched at Davos in 2017 by the governments of Norway and India, the **Bill & Melinda Gates Foundation**, the British-based Wellcome Trust global health "charity", and the World Economic Forum.

CEPI is described as an "innovative partnership between public, private, philanthropic and civil organisations", to which I would add governments: **the coalition has received investment from the governments of Germany, Japan, Australia, the UK, Belgium and Canada**. Their primary role in relation to Covid-19 is the "development of platforms that can be used for rapid vaccine development against unknown pathogens" (2018).

The Gates Foundation has promoted AGRA as an "African initiative" and put itself as far as possible in the background. **The new chairman** of AGFA since August 2019 is Hailemariam Desalegn, **Former Prime Minister of Ethiopia**. Desalegn, former chairman of the Chair of the Ethiopian People's Revolutionary Democratic Front (EPRDF), the dictatorial ruling party where **WHO head Tedros was also a Politburo member, was forced to resign in 2018 following mass protests**. Less public board members of AGRA include two leading executives of the **agribusiness giant, Unilever**, and two senior officials of the Gates Foundation, as well as from the Rockefeller-founded **CGIAR**- Consultative Group on International Agricultural Research. Other board members include a member of the Rockefeller Foundation trustees and a former Africa partner for the French bank, **Rothschild & Cie**. As well, the **new President of the Rockefeller Foundation**, the founding perpetrator of the AGRA agenda, Dr. Rajiv J. Shah, is on the AGRA board. Shah left his earlier position with the Gates Foundation and was named USAID director under Obama. USAID not surprisingly became a partner of AGRA. In 2017 Shah moved from USAID to be tapped as President of the Rockefeller Foundation. Small world. The same Rockefeller Foundation is deeply involved in the **World Economic Forum Great Reset**. Shah just released a Rockefeller report, **Reset the Table: Meeting the Moment to Transform the US Food System**. It is a precursor to a major global "reset" of the food system being prepared by the **circles around Gates and Rockefeller** and the UN. More on that [another time](#).

Gates Foundation is Also Destroying Africa's Food

To further that "Africa-led" impression, Gates **hired the former UN Secretary General, Ghana's Kofi Annan**. Annan had just retired amid an Iraq oil-for-food corruption scandal at the UN involving his son. Annan was to be the front face, the chairman of AGRA. In reality the Gates Foundation ran things, with their guy, **Rajiv "Raj" Shah**, directing implementation of policies in African target countries. When initial attempts to **push Monsanto GMO seeds and pesticides on GMO-free African farmers met with great resistance**, they shifted instead to sell conventional but Monsanto-owned seeds along with costly chemical fertilizers and pesticides.

Bill Gates History of Vaccine Corruption Inflicting Harm and Death on Unsuspecting People in Poor Countries

...It appears that all is not well and that India may be losing confidence in Gates' vaccination programs. Because in 2017, it was reported that **India had decided to cut some of its funding** ties with the foundation. See: **India cuts some funding ties with Gates Foundation on immunization**.

In December 2012, in the small village of Gouro, Chad, Africa, situated on the edge of the Sahara Desert, five hundred children were **locked into their school and threatened that if they did not agree to being force-vaccinated with a meningitis A vaccine, they would receive no further education**. These children were vaccinated **without their parents' knowledge**. This vaccine was an unlicensed product still going through the third and fourth phases of testing. **Gates Commits Crimes Against the Children of India. (court)** Resource Centre for Women in India, filed a writ petition with the Supreme Court of India under Article 32 of The Constitution of India for Women. The petition was filed against: Drug Controller General of India; Indian Council of Medical Research (funded by Gates Foundation); State of Andhra Pradesh; State of Gujarat; PATH International (funded by Gates Foundation); GlaxoSmithKline Asia Private Limited; MSD Pharmaceuticals also known as Merck Private Limited.

A recent **petition** asking for the U.S. government to investigate the Bill and Melinda Gates Foundation for crimes against humanity, already signed by over a **half of a million people**, shows that the activities of Bill and Melinda GatesThe petition outlined a series of serious allegations regarding the HPV vaccines Gardasil® and Cervarix). Petitioners Kalpana Mehta, Nalini Bhanot and Dr. Rukmini Rao reported that the two HPV vaccines were illegally brought into the states of Andhra Pradesh and Gujarat and subsequently were administered to thousands of young, vulnerable Indian children before the vaccines were known to be safe. The three petitioners told the court that even though the Indian government and the above organizations knew the HPV vaccines were of dubious value and of speculative benefits, they continued to allow a trial using both the Gardasil® and Cervarix® vaccines without regard to the potential endangerment of the lives of adolescent girls. The **petition** outlined how the above organizations vaccinated tens of thousands of vulnerable girls aged between 10-14 years and then abandoned them without providing any information on potential **adverse reactions, scheduling follow-up examinations, or offering post-vaccine treatment**.

Petitioners stated that the unlicensed HPV vaccines only became licensed midway All girls were vaccinated by the U.S.-based NGO (Non-Government Organization) and **PATH** (Program for Appropriate Technology in Health). (**poor postmortem, no signatures**) "The dates of postmortems were poorly documented and inaccurate and instead of being written on hospital stationary many had been written on plain paper without signatures."

"In 1988, the **World Health Assembly** resolved to eradicate poliomyelitis worldwide. One of the main tools used in polio eradication efforts has been the live, attenuated oral poliovirus vaccine (OPV). This inexpensive vaccine is administered easily by mouth, makes recent recipients resistant to infection by wild polioviruses (WPVs), and provides long-term protection against paralytic disease through durable humoral immunity. Nonetheless, rare cases of vaccine-associated paralytic poliomyelitis can occur both among

immunologically normal OPV recipients and their contacts and among persons who are immunodeficient. In addition, vaccine-derived polioviruses (VDPVs) can emerge to cause polio outbreaks in areas with low OPV coverage and can replicate for years in persons who are immunodeficient.”

In a paper published in the *Medical Journal of Medical Ethics*, authors **Neetu Vashishi and Jacob Puliyel** stated that: “... while India has been polio-free for a year, there has been a **huge increase in non-polio acute flaccid paralysis (NPAFP)**. In 2011, there were an extra 47,500 new cases of NPAFP. Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received. Though this data was collected within the **polio surveillance system**, it was not investigated. The principle of primum-non-nocere was violated.” With numbers of this size being reported, you would think that someone, somewhere, would have tried to stop the devastation. However, instead of realizing what was happening and **stopping the vaccination program** in its tracks, governments worldwide, have instead, continued to support Bill Gates. However, it appears that all is not well and that India may be losing confidence in Gates’ vaccination programs. Because in 2017, it was reported that **India had decided to cut some of its funding** ties with the foundation.

See: **India cuts some funding ties with Gates Foundation on immunization. Tetanus Vaccines Laced with Hormones Known to Cause Miscarriage:** The groups behind this project were **PATH, WHO, UNICEF, and the Gates Foundation**, and during Vactruth’s investigations, it was discovered that in fact the whole project was run by the Bill and Melinda Gates Foundation. Full story: **African Women Injected With Vaccines Laced with Anti-fertility Hormones** Sadly, by September of 2017, **MG Modern Ghana** reported that more than 500,000 young girls and women had become infertile, following the tetanus vaccine administered by the government in 2014 and 2015

Gates Globalist Vaccine Agenda: A Win-Win for Pharma and Mandatory Vaccination

Promising his share of \$450 million of \$1.2 billion to **eradicate polio**, Gates took control of India’s National Technical Advisory Group on Immunization (**NTAGI**), which mandated up to 50 doses (Table 1) of polio vaccines through overlapping immunization programs to children before the age of five. Indian doctors blame the Gates campaign for a devastating non-polio acute flaccid paralysis (NPAFP) epidemic that paralyzed 490,000 children beyond expected rates between 2000 and 2017. In 2017, the Indian government dialed back Gates’ vaccine regimen and **asked Gates and his vaccine policies to leave India**. NPAFP rates dropped precipitously.

In 2017, the World Health Organization (WHO) reluctantly admitted that the **global explosion in polio** is predominantly vaccine strain. The most frightening epidemics in **Congo, Afghanistan, and the Philippines**, are all linked to vaccines. In fact, by 2018, 70% of global polio cases were **vaccine strain**.

A 2017 study (Morgenson et. al. 2017) showed that WHO’s popular **DTP vaccine is killing more African children than the diseases it prevents**. DTP-vaccinated girls suffered 10x the death rate of children who had not yet received the vaccine. **WHO has refused to recall** the lethal vaccine, which it forces upon tens of millions of African children annually.

But Gates’ view on **childhood mortality** contribution to population growth is increasingly discussed in the scientific literature and is still subject to debate. What is not up to debate are the intentions of the Bill and Melinda Gate’s Foundation with regard to vaccines and population growth, as articulated by Bill and Melinda Gates in their Foundation’s 2017 Annual Letter:

Melinda: Saving children’s lives is the goal that launched our global work. It’s an end in itself. But then we learned it has all these other benefits as well. If parents believe their children will survive — and if they have the power to time and **space their pregnancies** — they choose to have fewer children.

Bill: When a mother can choose how many children to have, her children are healthier, they’re better nourished, their mental capacities are higher — and parents have *more time and money* to spend on each child’s **health and schooling**. That’s how families and countries get out of poverty. This link between saving lives, a lower birthrate, and **ending poverty** was the most important early lesson Melinda and I learned

about global health...This is obviously a far cry from, as Your News Wire.com put it, having Bill Gates tell us "how we must all consent to a **'kill the humans' strategy**, to 'save the planet' from the carbon dioxide we make."

10.14 TOTT: The Gates Family, Eugenics and COVID-19

Supporters of eugenics believe people inherit mental illness, criminal tendencies and even poverty, and that these conditions can be 'bred out' of the human gene pool through forced sterilization. Not surprisingly, 'undesirable' traits were concentrated in poor, uneducated and minority populations. Many professionals in the scientific and biological fields rigorously researched ways to 'improve the human race' through means of eliminating these 'negative traits', and the movement would soon garner widespread political support — particularly in **Australia**....

The **Rockefeller Foundation** heavily financed the modern **eugenics movement** and think-tanks such as the Tavistock Institute would give birth to many influential individuals and 'social' organisations. **Huxley** adeptly associated the 'new and modern' eugenics movement with a range of reformist ideologies, such as the popularisation of birth control, the decriminalisation of **homosexuality and abortion** law reform. He described this process as "eugenic modernisation"....The basic premise remained the same, however: it is far easier to eliminate the poor and the suffering, than it is to eliminate the complex and tenacious sources of their poverty or their suffering....

Bill Gates' father, William H. Gates, Sr., was a prominent **banker and a lawyer** in Preston Gates & Ellis. He also presided over many bar associations, organisation boards and started the Technology Alliance — a regional push to expand **technology-based** jobs throughout the 20th century. Importantly, Gates Sr. served on the board of **Planned Parenthood** (PP) during the group's infancy — a re-branded organisation birthed out of the **American Eugenics Society**. The company spread from beginnings in Cold Spring Harbor **genetics and virology labs** on Long Island and Berlin, to today become one of the largest organisations in the **US. Rockefeller-Bayar Co., BASF and Hoechst** petrochemical-pharmaceutical consortium were all initial funders of the group.

Make no mistake: Planned Parenthood was built on **population control schemes** — allied with the same groups who wanted genetic hierarchy laws to 'preserve' humanity and who sought to 'beautify' countries by stopping the "unfit" from reproducing. In their 2014 Annual Report, the pro-abortion and anti-family group reported seeing over 2.5 million patients in over 4 million clinical visits, including **324,000 abortions**.

In 2017, the Gates Foundation pledged another \$375 million for '**family planning**', with the goal of providing contraception to 120 million women across the world, particularly in developing countries. This emphasis on blanketing developing countries with **artificial contraception** for which women aren't asking for reeks of social engineering and paternalistic eugenicist thinking. The fact that couples in developing countries often desire and value large families means nothing to many Western elitist philanthropists: the not-so-subliminal underlying presumption is that women who desire large families simply don't know what's good for them. As such, they need to be educated and 'encouraged' with large-scale, foreign-funded advertising companies and coercion. Now that we have explored the history of the Gates family, influences and aims of philanthropist philosophies and modern eugenics programs across the world, let's explore the relatable picture.

The Models, the Tests and Now the Consequences

More recently, the **forecast models** being used to justify the unprecedented lockdown measures across the United States have been developed at the **University of Washington Institute for Health Metrics and Evaluation (IHME)** in Seattle. Its **COVID-19 model forecasts deaths** and the use of hospital resources such as hospital beds, ICU beds and ventilators.

At the end of March the model from IHME also "**predicted**" up to **2.2 million American coronavirus deaths** unless drastic lockdown measures were followed.

By April 7 IHME models revised that down to up to **200,000 deaths**.

Their last down revision puts deaths at just over **60,000**.

The claim is that the down revisions are informed by actual data. Yet the wildly inaccurate projections were the ones used to impose catastrophic social and economic restrictions across the USA...

Like Neil Ferguson at the Imperial College London, the University of Washington's **IHME** is another project of the Gates Foundation. It was created in 2007 with a major grant from the Bill & Melinda Gates Foundation. In May 2015 IHME and the World Health Organization signed a major agreement to collaborate on data used to estimate world health trends.

Then in 2017 IHME got an additional \$279 million from the Gates Foundation to expand its work over the next decade. That, in addition to another a \$210 million gift in 2016 from the Bill & Melinda Gates Foundation to fund construction of a new building to house several UW units working in population health, including IHME. In other words, IHME has been a crucial piece of the Gates global health strategy for more than 13 years.

APCO is a media PR company. APCO has handled the crisis for **Merck** & Co's withdrawal of Vioxx from the market. Kazakhstan's President Nursultan Nazarbayev hired APCO to extricate himself from a four-year-long dispute with his former son-in-law Rakhmat Aliyev.... APCO's Maggie Brown received the **CleanTech Alliance** Chairman's Award in 2017

Anti-Vax links: February 10th, 2017 – VAXXED The Movie Press Release: Despite Censorship by Paris Mayor Anne Hidalgo, Factions in European Parliament & U.K. Theatre, American Documentary Vaxxed: From Cover-up To Catastrophe Premieres in Europe

Are Immunity Passports and 'Vaccine Tattoos' Coming?

ID2020: The '**ID2020 Summit**' was held at the United Nations headquarters in **New York in June 2017**. Microsoft and attended, as well as 'humanitarian' groups including the **World Food Programme and the UN Refugee Agency**. The meeting discussed creating **digital identification for every person on the planet**. One that is tied to fingerprints, birth certificates, medical records, education, travel, bank accounts and more. Working with the United Nations High Commissioner for Refugees (UNHCR), the ID2020 group soon drafted a formal articulation of their perspective on 'ethical approaches' to digital identity. The stage was set, but just how will this team achieve such an objective and deliver on the **Agenda 2030 plan**? To answer, we must look to projects subsequently announced by the group. ID2020 is now playing a key role in live digital identification programs, including currently advising the government of Bangladesh on the development of a vaccination records system

10.15 The Lies of Our Times: Professor William Schaap

William Schaap, world-renowned legal scholar, author, and university professor, did much to expose the role of CIA in popular culture, showing that it spent **one-third of its budget on media propaganda operations**. As publisher of **The Lies of Our Times**, Schaap showed CIA owned 250 different media networks: radio, television, and newspapers.

NWO is using the media to shape coverage of the Coronavirus (COVID-19), a bioweapon they created so they can drive us to false solutions.

The virus has a mortality rate of three percent at most. COVID-19 has killed a few thousand people, taking out the very old and the very young. What else kills people? 25,000 people starve to death every day, as 9,000,000 die per year. 1,250,000 people die in car wrecks every year. 34,000 Americans died from the flu last year. None of these things inspire the media furore or the government response of Coronavirus.

The World Health Organization (WHO) has conspired with Google to ensure that they control the story. Director General Tedros Adhanom Ghebreyesus told the opening of WHO's executive board meeting on Monday that social media platforms such as Twitter, Facebook, Tencent and TikTok have taken steps to limit the spread of "misinformation." "To that end, we have worked with Google to make sure people searching for information about coronavirus see WHO information at the top of their search results," he said.

Mark Zuckerberg says Facebook will give the World Health Organization free ads and remove "false claims and conspiracy theories" about the Coronavirus.

I suppose one of the things she would like to criminalize is the information put out by Professor Francis Boyle, the author of the US Biowarfare Act, in which he uncovers four separate studies to show the Wuhan Coronavirus known as COVID-19 is an engineered bioweapon.

The United States military has a long history of employing germ warfare, in secret, against the American people.

So does the Central Intelligence Agency.

In OPERATION BIG CITY, a.k.a. OPERATION OPEN AIR, **CIA sprayed Americans with unknown substances** using aerosol devices mounted in suitcases and in the exhaust of a specially modified 1953 **Mercury**.

In OPERATION BIG BUZZ, the **U.S. Army bred 1,000,000 mosquitos**, and they dispersed over 300,000 of the insects over Georgia.

In OPERATION DROP KICK, the U.S. Army Chemical Corps **released 600,000 mosquitos** over Florida.

In OPERATION MAY DAY, the military released **yellow fever mosquitos** over Georgia.

No wonder the **Zika Virus was a false flag** that involved the weaponized use of mosquitos, which showed up in Florida.

In OPERATION BIG ITCH, the military released **300,000 fleas over Utah** from its base at Dugway Proving Ground, the top secret bioweapons facility where workers handle some of the most dangerous chemical and biological agents on the planet.

Likewise NWO may use **weaponized ticks** to infect us with **Lyme Disease** or as cover for other attacks.

[Lyme Disease – A Symptom of MK-ULTRA?](#)

In OPERATION LAC (LARGE AREA COVERAGE), the U.S. Army Chemical Corps **sprayed microscopic particles** over the United States and Canada to test dispersal patterns and the geographic range of chemical or biological weapons. Earlier tests were conducted in San Francisco to determine the feasibility of attacking a seaport city with biological aerosol agents sprayed from a ship offshore, in South Carolina and Georgia under OPERATION DEW, and in Minnesota.

It's not that different from CIA PROJECT CLOVERLEAF and USAF INDIGO SKY FOLD, which facilitate NSA PROJECT **ECHELON**, by spraying us with **nanotechnology, fungus, barium, strontium, and aluminum**.

[Chemtrails – Look Up! You are being Sprayed with Poison!](#)

The Army has a **long history of releasing diseases** against our own people.

You can learn more about OPERATION VEGETARIAN, involving **anthrax**, OPERATION CAULDRON, involving weaponized **plagues**, OPERATION TUNNELS/WATERBUCKET II, involving **CS gas**, PROJECT DORK, involving aerosolized BZ, and OPERATION SEA SPRAY, involving clouds of bacteria, below.

The United States government injected Guatemalans with **syphilis**.

The United States government injected Americans with syphilis.

Affiliated research institutions and hospitals like **Vanderbilt University poisoned pregnant women** and their babies with **radioactive iron**.

Children were spoonfed **radioactive oatmeal**, as the United States government poisoned its own citizens.

Engineered bioweapons are the way of the future.

There seems to be particular focus on **man-made viruses**.

The Deep State lies behind the **creation of the AIDS virus**, as does Fort Detrick.

HIV is some sort of bioweapon.

That's why the **Illuminati took out Nipsey Hussle**, who was making a documentary about **Dr. Sebi**.

The Liberian press, which CIA does not control, has accused the United States government of manufacturing **AIDS and Ebola**.

Like AIDS, Lyme Disease, and the Coronavirus, **Ebola is a bioweapon**. You can listen to Dr. Leonard Horowitz discuss these forms of germ warfare below.

Like the Coronavirus, Ebola was a **false flag attack**. The United States government even holds a **patent** for it.

[Ebola Patent Held by US Government – US20120251502](#)

The Zika Virus, which spread from Brazil to Florida, was **linked to genetically modified mosquitos** developed by the British biotech company **OXITEC**, which is funded by the **Bill and Melinda Gates Foundation**.

Over 4,000 babies with **shrunk brains** have been born in Brazil over the last four years, as this birth defect has increased by **approximately 13,000 percent** (130x). It's not clear what causes microcephaly, as soldiers spray toxic insecticides around pregnant women. Is it the disease? Or is it the cure?

The **Zika Virus** is a false flag to justify more chemical fumigation, more vaccines, and more genetically engineered mosquitos—and to cover up birth defects caused by Monsanto, Gates, and their affiliates. Big companies get rich, while they destroy people's lives.

Coronavirus is the same sort of thing, and it is designed to drive us to **socialized medicine, forced vaccinations**, and a **partnership** between big business and big government to **ruin our lives**.

Just look at the site where **COVID-19 originated**. It's only **twenty miles** from the Wuhan Institute of Virology, which recently opened the first biosafety level 4 (BSL-4) laboratory to be built in mainland China. The Institute contains the **Center for Emerging Infectious Disease, the Chinese Virus Resources and Bioinformatics Center, the Center of Applied and Environmental Microbiology, the Department of Analytical Biochemistry and Biotechnology, and the Department of Molecular Virology**. No wonder they were the first to identify, analyze and name the genetic sequence of the Coronavirus. They probably invented it.

Nonetheless, Chinese diplomat **Lijan Zhao** suggested that the US **military** brought the disease to Wuhan.

Likewise, Major General Hossein Salami, the Head of Iran's Revolutionary Guards, speculated that Coronavirus was a bioweapon employed by the United States.

That's not as crazy as it might sound. Nearly 10,000 military personnel from 110 countries were all in Wuhan at the same time, for the **Military World Games**, only weeks before the outbreak began.

Even more suspicious is EVENT 201, a war game held last October in which a pandemic simulation focused specifically on the Coronavirus three months before the outbreak. The exercise, hosted by Johns Hopkins, the World Economic Forum, and the Bill and Melinda Gates Foundation, **projected 65,000,000** deaths worldwide, as it purported to show the necessity of public/private partnerships to respond to pandemics—like between Bill Gates and our government.

No wonder **Bill Gates predicted** an outbreak like that of COVID-19, on NETFLIX, saying that it would come from a wet market in China.

The prediction of the 2020 launch of COVID-19 (Wuhan-400) in **The Eyes of Darkness**, by Dean Koontz, pales in comparison.

The whole thing is a false flag attack. It is designed to drive us to a response. As Bill Gates says, "We have no time to waste."

After the Chinese government announced the outbreak on the **Illuminati holiday of New Year's Day**, Chinese stock prices plummeted.

Asian markets were hit hard.

A sense of urgency was created, as the New York Stock Exchange suffered its worst day since 1987.

The Federal Reserve, which is neither federal nor a reserve, but rather a **cabal of internationalist bankers** who print money from thin air and charge us interest on it, deliberately worsened the situation, slashing the fed funds rate from 1.5% to 1.0% on March 3, in its first emergency rate move and biggest one-time cut since the 2008 financial crisis. This fueled another panic sell-off. Exasperated commentators on CNBC

wondered what the Fed was thinking because they started with the premise that the Fed wants to help our economy. But when you see the Fed for the Illuminist organization it is, a pack of **satanists** out to get us, the move makes total sense.

Meanwhile, although **12,469 people died from swine flu in 2009**, which led to no negative publicity for NWO darling, Barack Hussein Obama, the media blamed President Trump.

If Trump continues tariffs against a nation suffering an epidemic, he will look like a monster.

Coronavirus, an engineered disease that does not pose a serious threat, is being overblown in the media to crash markets, smear the president, and promote vaccines. I wonder why that is...

11.0 TESTING FOR CORONAVIRUS INACCURATE: RT-PCR TEST

11.1 Dr Kary Banks Mullis Inventor of the PCR Test

Discussion:

A now famous statement of Kary Mullis is - "this test should not be used to diagnose infectious disease". This statement alone is **definitive**. It is stated that Kary died of pneumonia. It seems suspicious a few months before the release of SARS-CoV-2. He ridiculed both Dr Fauci and Dr Lipkin given he was part of a group reassessing HIV-Aids and indicating HIV doesn't cause Aids. So he was controversial with the Medical Industrial Complex and would have debunked scientists and dissuaded people from using the PCR test. Had he been alive, would the lockdown have happened without the PCR tests that in reality do not pick up SARS-CoV-2? Doubtful. He would have spoken publicly that the tests are inaccurate. He would have provided a solution that ran counter to the RNA technology advanced by big Pharmaceutical companies. Would his invention of Chemically Programmable Immunity been a cure? This is what he explained about his invention to kill pathogens, this is in the public interest: "...Mullis' language skills developed and so did his idea. This led to the formation of his latest venture, Altermune LLC, and his most recent patent application, which covers an approach for instantly mobilizing the immune system to neutralize invading pathogens and toxins. ***"We are altering the target of an immune response by using specific synthetic chemical linkers that divert an immune response from its nominal target to something completely different, which you would right now like to be temporarily immune to,"*** explains Mullis and gives an example: ***"Let's say you just got exposed to a new strain of the flu. You're already immune to alpha-1,3-galactosylgalactose bonds. All humans are. Why not divert a fraction of those antibodies to the influenza strain you just picked up? A chemical linker synthesized with an alpha-1,3-gal-gal bond on one end and a DNA aptamer devised to bind specifically to the strain of influenza you have on the other end, will link anti-alpha-Gal antibodies to the influenza virus and presto, you have fooled your immune system into attacking the new virus."*** Sounds simple enough, but developing this chemical linker is not. ***"Doing this is a lot harder than I envisioned it when I first thought about it. There are a lot of people involved unlike PCR, where I could do it myself,"*** sighs Mullis. With his team of organic chemists, influenza and poultry specialists and immunologists, he is currently testing the **Altermune method** in chickens against a strain of flu called H3M2. Most humans are already immune to this typical laboratory strain, but Mullis' vision includes H5M1, which is likely to prove disastrous. ***"The flu has been living with humans for a long time. And it looks like about every once or twice every century, there is an epidemic. If there is going to be a worldwide epidemic of H5M1, it's just a matter of time – and this time is likely to be worse than last time,"*** is Mullis' grim prediction..." It is noteworthy he sees a worldwide epidemic not a pandemic. Is he fighting those investing in disease? Was his death from *natural causes or deliberate*? The same question is asked of SARS-CoV-2?

This statement is very important and is not been promoted around the world with these vaccines that cause immune responses. This is what Kary states: ***"...Altermune linkers are an antibiotic, they act like one,"*** says Mullis and points out that humans would **not develop a new immunity**. ***"You would use an old one. That's really important from the point of view of immunology. Every time you make a brand new immune response, there is some little minor damage done to your body. You are going to kill cells even though they are completely innocent. If you use an immune response that you already have, this makes sense to me."*** However, it would take the body some time to bridge an acquired immunity with a new pathogen, during which time the body might start an immunity response. ***"You may end up being immune to the pathogen as a mop up process, so that next time the disease comes along, you will already have the memory cells of an immune response,"*** hopes Mullis. He stated: ***"Nothing in nature is similar to the Altermune linkers. It will be hard for bacteria and the flu to deal with them. It really has great potential but it's going slow. I'm trying to keep Altermune a small operation although we are now realizing that more people need to be involved."***

Mullis is now actively seeking more professionals to take on the Altermune project. He is not about technology, nor being directed from management he is empowering his own rhythm, this is the profile of an **independent scientist loving science**. **He is not a technocrat or businessman. He is a wayshower**, he shows another way. This is the calibre of scientist we need in the future. He says: **"As I learn more, I see that there are better ways to do it. You don't have to go to some big cumbersome machine, because they'll say: 'Write it all up, we'll meet and talk about it in a month or two'. That is very frustrating for me. I like to be able to decide on my own schedule and take advice from everybody who works for me. But as of right now, that's just been changed,"** Mullis says with a wink. Mullis is anticipating the first in vivo experiments to yield results this summer. This will tell him how sensitive H3M2 is in chickens. Then the Altermune linkers will be tested in mice against a different strain of influenza. The strain of influenza that works well in mice and attacks people doesn't attack chickens. Altermune linker prepared that would ... be effective... against the laboratory stream but against H5M1.

If there is an emergency, Mullis thinks it is possible that the FDA might use his invention without it being tested in humans. **"If there are people dying they will have to give it a shot. But I don't know what would actually happen. Whether or not it will ever be used in my life I don't know. But you have to start somewhere and the flu is not going to go away."**

Sounds a similar narrative to the biotech industry in 2020/2021. Instead of Dr Mullis we got Pfizer and DNA/RNA Technologies tricking the immune system but NOT drawing existing immunity antibodies but instead evoking cytokine storms which can kill people. Love is the difference between Altermune and CoraVacs. His death may have paved the way for big Pharma and big Biotech to implement ONE Health and globalisation to implement a global takeover. Time will tell whether humanity is immune to toxic cultures or allows the pathogen to take over. That is the accurate analogy.

11.2 Why the Inventor of The "Corona Test" Would Have Warned Us Not To Use It To Detect A Virus

Note: This article provides the background to Dr Kary Mullis and drives to the core of the COVID-19 problem. It is the reason these reports are being written. Truly saving lives is about being honest about the problem and not being driven by the almighty dollar or compromise. There is no higher calling then service to humanity. That is where the real wealth is, Dr Kary Mullis was unknown to the public, his voice is louder than ever, Scientists must wake up!. This is how Dr Mullis, a Nobel Peace Prize winning scientist is described "Of Mullis' invention, Polymerase Chain Reaction, the London Observer wrote: "Not since James Watt walked across Glasgow Green in 1765 and realized that the secondary steam condenser would transform steam power, an inspiration that set loose the industrial revolution, has a single, momentous idea been so well recorded in time and place." Dr Mullis states: "Scientists are doing an awful lot of damage to the world in the name of helping it. I don't mind attacking my own fraternity because I am ashamed of it." –Kary Mullis, Inventor of Polymerase Chain Reaction. The technocracy that is emerging is using science as the next 4th industrial revolution but there is good science and bad science. The author of the article makes this statement: "...Every day I wake up and work at shedding one more layer of ignorance —by listening carefully. I got lucky with scientists many years ago; Epic, incredible scientists, happening to cross my path when nobody else wanted to talk to them. Now their names are emerging, their warnings and corrections crystallizing. True "science" (the nature of the natural world) is never bad news. Globalist science is nothing but bad news..." The Globalist misadventure is revealing the greed behind "following the science".

The author suggests we are safe: "...You don't have to shout, "Stay safe!" to your neighbors. We are safe. We have an immune system that is a miracle like The Sistine Chapel. It withstands toxic, microbial inundation on a grand scale at all times, while operating a super-highway of adaptive life-sustaining genetic information, on cellular bridges, emitting telegrams of vital evolutionary code, slandered as "viruses" or "retroviruses." ... We've been hijacked by our technologies, but left illiterate about what they actually mean. In this case, I am in the rare position of having known, spent time with, and interviewed the inventor of the method used in the presently available Covid-19 tests, which is called PCR, (Polymerase Chain Reaction.)..."

*Ironically 1984 is symbolic in this: "...Like so many great scientific discoveries, the idea for PCR came suddenly, as if by direct transmission from another realm. It was during a late-night drive in 1984, the same year, ironically, that HIV was announced to be the "probable" cause of AIDS.... Mullis kept scribbling calculations, right there in the car, until the formula for DNA amplification was complete. The calculation was based on the concept of "reiterative exponential growth processes," which Mullis had picked up from working with computer programs. After much table-pounding, he convinced the small California biotech company he was working for, Cetus, that he was on to something. Good thing they finally listened: They sold the patent for PCR to Hoffman-LaRoche for the **staggering sum of \$300 million** – the most money ever paid for a patent. Mullis meanwhile received a \$10,000 bonus.*

The author describes meeting Dr Mullis as follows: "...His name was Kary B. Mullis, and he was one of the warmest, funniest, most eclectic-minded people I ever met, in addition to being a staunch critic of HIV "science," and an unlikely Nobel Laureate, i.e. a "genius." One time, in 1994, when I called to talk to him about how PCR was being weaponized to "prove," almost a decade after it was asserted, that HIV caused AIDS, he actually came to tears... The people who have taken all your freedoms away in recent weeks, they're social engineers, politicians, globalist thought leaders, bankers, WHO fanatics, and the like. Their army is composed of "mainstream media," which is now literally a round-the-clock perfect propaganda machine for the Gates-led Pandemic Reich... Kary Mullis was a scientist. He never spoke like a globalist, and said once, memorably, when accused of making statements about HIV that could endanger lives: "I'm a scientist. I'm not a lifeguard." That's a very important line in the sand. Somebody who goes around claiming they are "saving lives," is a very dangerous animal, and you should run in the opposite direction when you encounter them. Their weapon is fear, and their favorite word is "could." They entrap you with a form of bio-debt, creating simulations of every imaginable thing that "could" happen, yet hasn't. Bill Gates has been waiting a long time for a virus with this much, as he put it, "pandemic potential." But Gates has a problem, and it's called PCR... PCR played a central role in the HIV war (a war you don't know about, that lasted 22 years, between Globalist post-modern HIV scientists and classical scientists.) The latter lost the war. Unless you count being correct as winning. The relentless violence finally silenced the opposition, and it seemed nobody would ever learn who these scientists were, or why they fought this thing so adamantly and passionately. And PCR, though its inventor died last year, and isn't here to address it, plays a central role in Corona terrorism... "PCR has also had a great impact on the field of AIDS, or rather, HIV research. PCR can, among other things, detect HIV in people who test negative to the HIV antibody test... Mullis, like his friend and colleague Dr. Peter Duesberg, does not believe that AIDS is caused by the retrovirus HIV... He is a long-standing

member of the Group for the Reappraisal of the HIV-AIDS Hypothesis, the 500-member protest organization pushing for a re-examination of the cause of AIDS... One of Duesberg's strongest arguments in the debate has been that the HIV virus is barely detectable in people who suffer from AIDS. Ironically, when PCR was applied to HIV research, around 1989, researchers claimed to have put this complaint to rest. Using the new technology, they were suddenly able to see viral particles in the quantities they couldn't see before. Scientific articles poured forth stating that HIV was now 100 times more prevalent than was previously thought. But Mullis himself was unimpressed. "PCR made it easier to see that certain people are infected with HIV," he told Spin in 1992, "and some of those people came down with symptoms of AIDS. But that doesn't begin even to answer the question, 'Does HIV cause it?'"

When ABC's "Nightline" approached Mullis about participating in a documentary on himself, he instead urged them to focus their attention on the HIV debate. "That's a much more important story," he told the producers, who up to that point had never acknowledged the controversy. In the end, "Nightline" ran a two-part series, the first on Kary Mullis, the second on the HIV debate. Mullis was hired by ABC for a two-week period, to act as their scientific consultant and direct them to sources. The show was superb, and represented a historic turning point, possibly even the end of the seven-year media blackout on the HIV debate. But it still didn't fulfill Mullis' ultimate fantasy.

"What ABC needs to do," says Mullis, "is talk to [Chairman of the National Institutes of Allergy and Infectious Diseases (NIAID) Dr. Anthony] Fauci and [Dr. Robert] Gallo [one of the discoverers of HIV] and show that they're assholes, which I could do in ten minutes."

But I point out, Gallo will refuse to discuss the HIV debate, just as he's always done.

*"I know he will," Mullis shoots back, anger rising in his voice. "But you know what? I would be willing to chase the little bastard from his car to his office and say, 'This is Kary Mullis trying to ask you a goddamn simple question,' and let the cameras follow. If people think I'm a crazy person, that's okay. But here's a Nobel Prize-winner trying to ask a simple question from those who **spent \$22 billion and killed 100,000 people**. It has to be on TV. It's a visual thing. I'm not unwilling to do something like that." He pauses, then continues. "And I don't care about making an ass of myself because most people realize I am one."*

The Corona Simulation Machine: Why the Inventor of The "Corona Test" Would Have Warned Us Not To Use It To Detect A Virus

What do we mean when we say somebody has 'tested positive' for the Corona Virus? The answer would astound you. But getting this "answer" is like getting to a very rare mushroom that only grows above 200 feet on a **Sequoia tree in the forbidden forest**.

I say that for dramatic effect, but also because I wound up, against all odds, finding it.

Every day I wake up and work at **shedding one more layer of ignorance** —by listening carefully. I got lucky with scientists many years ago; Epic, incredible scientists, happening to cross my path when nobody else wanted to talk to them. Now their names are emerging, their warnings and corrections crystallizing. True "science" (the nature of the natural world) is never bad news. Globalist science is nothing but bad news.

The reason Bill Gates wants you to believe a Corona Virus will exterminate over 450 million people is that he hates nature, God, and you. (A subjective interpretation.)

Why is that? You'd have to ask his psychiatrist.

But let's talk about the latest terror bomb detonated by Global Atheist PC Creeps upon your perfectly good, free life as a US citizen in 2020, governed by a President who does not think backwards.

How many of us are "infected" with this novel Corona virus, and how scared should we be?

First, a spiritual law: Anything that tries to frighten you comes from "**opposition**," in spiritual battle. It's not the Holy Spirit, period. Ignore its threats and keep your wits about you. You don't have to shout, "Stay safe!" to your neighbors. We *are* safe. We have an immune system that is a miracle like The Sistine Chapel. It withstands toxic, microbial inundation on a grand scale at all times, while operating a super-highway of adaptive life-sustaining genetic information, on cellular bridges, emitting telegrams of vital evolutionary code, slandered as "viruses" or "retroviruses."

People die—yes. But people don't die the way **Bill Gates** would have you believe, at the mercy of malicious, predatory pathogens, "lurking" on every surface, and especially other humans. That's not "science." That's social engineering. Terrorism.

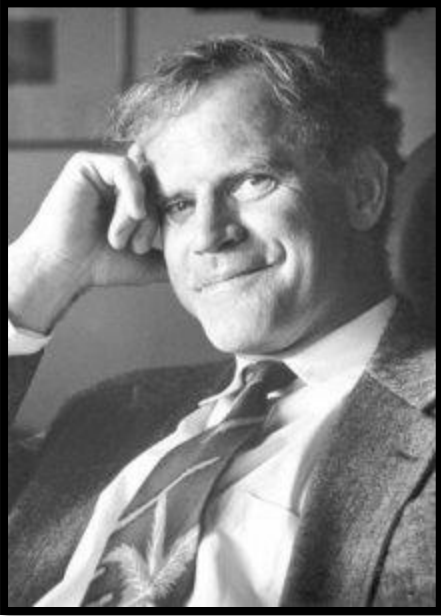
Let's proceed.

What do we mean when we say a **person "tests positive" for Covid-19?**

We **don't actually mean** they have been found to "have" it.

We've been **hijacked by our technologies**, but left **illiterate** about what they actually mean. In this case, I am in the rare position of having known, spent time with, and interviewed the inventor of the method used in the presently available Covid-19 tests, which is called PCR, (Polymerase Chain Reaction.)

His name was Kary B. Mullis, and he was one of the **warmest, funniest**, most eclectic-minded people I ever met, in addition to being a staunch **critic of HIV "science,"** and an unlikely Nobel Laureate, i.e. a "genius."



One time, in 1994, when I called to talk to him about how PCR was being **weaponized** to “prove,” almost a decade after it was asserted, that HIV *caused* AIDS, he actually came to tears.

The people who have **taken all your freedoms away** in recent weeks, they’re social engineers, politicians, globalist thought leaders, bankers, WHO fanatics, and the like. Their army is composed of “mainstream media,” which is now literally a round-the-clock perfect propaganda machine for the **Gates-led Pandemic Reich**.

Kary Mullis was a *scientist*. He never spoke like a globalist, and said once, memorably, when accused of making statements about HIV that could endanger lives: **“I’m a scientist. I’m not a lifeguard.”** That’s a very important line in the sand. Somebody who goes around claiming they are “saving lives,” is a very dangerous animal, and you should run in the opposite direction when you encounter them. Their weapon is fear, and their favorite word is “could.” They entrap you with a form of bio-debt, creating simulations of every imaginable thing that “could”

happen, yet hasn’t. **Bill Gates has been waiting a long time for a virus** with this much, as he put it, “pandemic potential.” But Gates has a problem, and it’s called PCR.

Of Mullis’ invention, Polymerase Chain Reaction, the *London Observer* wrote:

“Not since James Watt walked across Glasgow Green in 1765 and realized that the secondary steam condenser would transform steam power, an inspiration that set loose the industrial revolution, has a single, momentous idea been so well recorded in time and place.”

What does HIV have to do with Covid-19?

PCR played a central role in the HIV war (a war you don’t know about, that lasted 22 years, between Globalist post-modern HIV scientists and classical scientists.) The latter lost the war. Unless you count being correct as winning. The relentless violence finally silenced the opposition, and it seemed nobody would ever learn who these scientists were, or why they fought this thing so adamantly and passionately.

And PCR, though its inventor died last year, and isn’t here to address it, plays a central role in Corona terrorism.

Here is an outtake from an article I published in SPIN, in 1994, about Kary Mullis, PCR, HIV and...Tony Fauci:

“PCR has also had a great impact on the field of AIDS, or rather, HIV research. PCR can, among other things, detect HIV in people who test negative to the HIV antibody test.

*The word “eccentric” seems to come up often in connection with Mullis’ name: His first published scientific paper, in the premier scientific journal Nature in 1986, described how he viewed the universe while on LSD – pocked with black holes containing antimatter, for which **time runs backward**. He has been known to show photographs of nude girlfriends during his lectures, their bodies traced with Mandelbrot **fractal** patterns. And as a side project, he is developing a company which sells lockets containing the DNA of rock stars. But it is his views on AIDS that have really set the scientific establishment fuming.*

*Mullis, like his friend and colleague Dr. Peter Duesberg, does not believe that **AIDS is caused by the retrovirus HIV**. He is a long-standing member of the **Group for the Reappraisal of the HIV-AIDS Hypothesis**, the 500-member protest organization pushing for a re-examination of the cause of AIDS.*

One of Duesberg's strongest arguments in the debate has been that the HIV virus is barely detectable in people who suffer from AIDS. Ironically, when **PCR was applied to HIV research, around 1989**, researchers claimed to have put this complaint to rest. Using the new technology, they were **suddenly able to see viral particles in the quantities they couldn't see before**. Scientific articles poured forth stating that HIV was now 100 times more prevalent than was previously thought. But Mullis himself was unimpressed. "PCR made it easier to see that certain people are infected with HIV," he told Spin in 1992, "and some of those people came down with symptoms of AIDS. But that doesn't begin even to answer the question, 'Does HIV cause it?'"

Mullis then went on to echo one of Duesberg's most controversial claims. "Human beings are full of **retroviruses**," he said, "We don't know if it is hundreds or thousands or hundreds of thousands. We've only recently started to look for them. But they've never killed anybody before. People have always survived retroviruses."

Mullis challenged the popular wisdom that the **disease-causing mechanisms of HIV are simply too "mysterious" to comprehend**. "The mystery of that damn virus," he said at the time, "has been generated by the \$2 billion a year they spend on it. You take any other virus, and you spend \$2 billion, and you can make up some great mysteries about it too."

Like so many great scientific discoveries, the idea for **PCR came suddenly**, as if by direct transmission from another realm. It was during a **late-night drive in 1984**, the same year, ironically, that HIV was announced to be the "probable" cause of AIDS.

"I was just driving and thinking about ideas and suddenly I saw it," Mullis recalls. "I saw the polymerase chain reaction as **clear as if it were up on a blackboard in my head**, so I pulled over and started scribbling." A chemist friend of his was asleep in the car, and, as Mullis described in a recent special edition of Scientific American: "Jennifer objected groggily to the delay and the light, but I exclaimed I had discovered something fantastic. Unimpressed, she went back to sleep."

Mullis kept **scribbling calculations**, right there in the car, until the formula for **DNA amplification** was complete. The calculation was based on the concept of "reiterative exponential growth processes," which Mullis had picked up from working with computer programs. After much table-pounding, he convinced the small California biotech company he was working for, Cetus, that he was on to something. Good thing they finally listened: **They sold the patent for PCR to Hoffman-LaRoche** for the staggering sum of \$300 million – the most money ever paid for a patent. Mullis meanwhile received a \$10,000 bonus.

Mullis's mother reports that as a child, her lively son got into all kinds of trouble – shutting down the house's electricity, building rockets, and blasting small frogs hundreds of feet into the air. These days, he likes to surf, rollerblade, take pictures, party with his friends – most of whom are not scientists – and above all, he loves to write.

Mullis is notoriously difficult to track down and interview. I had left several messages on his answering machine at home but had gotten no response. Finally, I called him in the late evening, and he picked up, in the middle of bidding farewell to some dinner guests. He insisted he would not give me an interview, but after a while, a conversation was underway, and I asked if I couldn't just please turn my tape recorder on. "Oh, what the hell," he gruffed. "Turn the fucker on."

Our talk focused on AIDS. Though Mullis has not been particularly vocal about his HIV skepticism, his convictions have not, to his credit, been muddled or softened by his recent success and mainstream acceptability. He seems to revel in his newly acquired power. "**They can't pooh-pooh me now**, because of who I am," he says with a chuckle – and by all accounts, he's using that power effectively.

When ABC's "Nightline" approached Mullis about participating in a documentary on himself, he instead urged them to **focus their attention on the HIV debate**. "That's a much more important story," he told the producers, who up to that point had never acknowledged the controversy. In the end, "Nightline" ran a two-part series, **the first on Kary Mullis, the second on the HIV debate**. Mullis was hired by ABC for a two-week period, to act as their scientific consultant and direct them to sources.

The show was superb, and represented a **historic turning point**, possibly even the end of the seven-year media blackout on the HIV debate. But it still didn't fulfill Mullis' ultimate fantasy. "What ABC needs to do," says Mullis, "is talk to [Chairman of the National Institutes of Allergy and Infectious Diseases (NIAID) Dr. Anthony] Fauci and [Dr. Robert] Gallo [one of the discoverers of HIV] and show that they're assholes, which I could do in ten minutes."

But I point out, **Gallo will refuse to discuss the HIV debate**, just as he's always done.

"I know he will," Mullis shoots back, anger rising in his voice. "But you know what? I would be willing to chase the little bastard from his car to his office and say, 'This is Kary Mullis trying to ask you a goddamn simple question,' and let the cameras follow. If people think I'm a crazy person, that's okay. But here's a Nobel Prize-winner trying to ask a simple question from **those who spent \$22 billion and killed 100,000 people**. It has to be on TV. It's a visual thing. I'm not unwilling to do something like that."

He pauses, then continues. "And I don't care about making an ass of myself because most people realize I am one."

While many people, even within the ranks of the **HIV dissidents**, have of late tried to distance themselves from the controversial Duesberg, Mullis defends him passionately and seems genuinely concerned about his fate. "I was trying to stress this point to the ABC people" he says, "that Peter has been **abused seriously** by the scientific establishment, to the point **where he can't even do any research**. Not only that, but his whole life is pretty much in disarray because of this, and it is only because he has **refused to compromise** his scientific moral standards. There ought to be some goddamn private foundation in the country, that would say, 'Well, we'll move in where the NIH [National Institutes of Health] dropped off. We'll take care of it. You just keep right on saying what you're saying, Peter. We think you're an asshole, and we think you are wrong, but you're the only dissenter, and we need one, **because it's science, it's not religion**.' And that was one of the reasons why I cooperated with ABC."

"**I am waiting to be convinced that we're wrong**," Mullis continues. "I know it ain't going to happen. But if it does, I will tell you this much – I will be the first person to admit it. A lot of people studying this disease are looking for the clever little pathways they can piece together, that will show how this works. Like, 'What if this molecule was produced by this one and then this one by this one, and then what if this one and that one induces this one' – that stuff becomes, after two molecules, conjecture of the rankest kind. People who sit there and talk about it don't realize that **molecules themselves are somewhat hypothetical**, and that their interactions are more so, and that the biological reactions are even more so. You don't need to look that far. You don't discover the cause of **something like AIDS by dealing with incredibly obscure things**. You just look at what the hell is going on. Well, here's a bunch of people that are practicing a new set of behavioral norms. Apparently, it didn't work because a lot of them got sick. That's the conclusion. You don't necessarily know why it happened. But you start there."

http://aidswiki.net/index.php?title=Document:Farber_interviews_Mullis

That was a historical detour, shared in hopes of rooting this conversation historically.

When you see the word "cases" on your TV screen, in this world that has now been hijacked by one single event, one dread, one Idol, you will be forgiven for thinking those are *cases* of Covid-19.

The number of "cases" is often a very big number, back-lit in red. Today for example, the number of "total cases," in the US, according to Worldometer, is 309,728. The total death figure is 8,441. "Active cases," is 286,546, of which 8,206 are "Serious, Critical." The number of "new deaths" is 1,037, and the number of "total recovered" is 14,741.

I'm not clear what an "active" case is. Does that mean fully symptomatic? Partially symptomatic? If the latter, it surely encompasses influenza/pneumonia, which has magically, as many have observed, dropped off a cliff for 2020.

In China, generally, they diagnose 'Corona' with CT scans and one or two positive PCR tests. In the US, it's difficult to find out what makes a "case," ie what the case definition is. Absent CT scans, we are in a bio-tech free-fall. One website offers this distressingly unclear definition: "The novel coronavirus, or COVID-19, has been spreading worldwide, resulting in growing numbers of infected individuals since late 2019 and increased mortality numbers since early 2020. So far, experts have seen that while there are severe cases, the infection is usually mild with non-specific symptoms. And there are no trademark clinical features of COVID-19 infection."

There are no trademark clinical features? What then, collapsed the world? I sure hope this isn't all riding on a "test," as bio-tech Oracle.

A few graphs down, my fears are confirmed: "Diagnosis of COVID-19 involves laboratory tests. Once someone has been diagnosed with the coronavirus, additional diagnostic tests may be done to determine the severity of the infection."

I accept that "something is going on" that overlaps with flu, but reportedly worse than a normal flu. That's what we're hearing. It involves an acute lack of oxygen, for reasons unclear. People can't breathe. Intubation is a serious, potentially dangerous procedure that begs many questions—but that's for a future article.

What is the relationship between the spread of testing and the "spread" of a new virus? How do we know what we are experiencing, in comparison to what we are assuming we are experiencing? One study in Austria found that increased testing correlated with, no surprise, increased "cases."

In an email discussion between a group of international scientists, academics and MD's, the question was posed whether the daily number of new cases would track with the daily number of tests.

"Yes, they do," wrote Austrian MD Christian Fiala. "Here are the data from Austria. In other words if they want to further increase the number of 'infected' people, they have to also increase the number of tests. However, that is physically impossible.

Another aspect: during the first weeks most tests were done on sick people. Therefore, the percentage of positive tests was relatively high. But there are not so many sick people and with the general roll out of tests, the vast majority of those tested will be healthy. Consequently, the percentage of positive tests will be low, and most will be false positive.

In other words, it is impossible to continue the increase of positive test results."

In the US, we have all but abandoned classical diagnostic medicine in favor of biotech, or lab result medicine. This has been going on for a long time and is a dangerous turning. The "Corona test" is named with characteristic tech-tedium: "CDC 2019-nCoV Real-Time RT-PCR Diagnostic Panel." That means it is a needle in a DNA haystack test. A PCR test.

It finds fragments, nucleic acids. From an email from Kary Mullis, to the widow of boxer Tommy Morrison, whose career and life were destroyed by an "HIV test," and who litigated ferociously for years, against test manufacturers, Dr. Mullis wrote, on May 7, 2013:

"PCR detects a very small segment of the nucleic acid which is part of a virus itself. The specific fragment detected is determined by the somewhat arbitrary choice of DNA primers used which become the ends of the amplified fragment. "

If things were done right, "infection" would be a far cry from a positive PCR test.

"You have to have a whopping amount of any organism to cause symptoms. Huge amounts of it," Dr. David Rasnick, bio-chemist, protease developer, and former founder of an EM lab called Viral Forensics told me. "You don't start with testing; you start with listening to the lungs. I'm skeptical that a PRC test is ever true. It's a great scientific research tool. It's a horrible tool for clinical medicine. 30% of your infected cells have been killed before you show symptoms. By the time you show symptoms...the dead cells are *generating* the symptoms."

I asked Dr. Rasnick what advice he has for people who want to be tested for COVID-19.

"Don't do it, I say, when people ask me," he replies. "No healthy person should be tested. It means nothing but it can destroy your life, make you absolutely miserable."

One of the countless head-spinning mysteries of this whole Corona Situation has been the advent of famous people, from Tom Hanks and his wife, to Sophie Trudeau, to Prince Charles announcing they had "tested positive" for COVID-19 and were self-quarantining. In all these famous-powerful people cases, the symptoms were either non-existent or mild. Why, one wondered, did they make such hay about it? The British Royals, especially, seemed to contradict their ethos of secrecy in this case. So what did it mean? It signaled, if anything, that COVID-19 is not all that deadly. That the virus can be present without causing the disease. That host factors matter. And that being "positive" for COVID-19 is neither a PR death sentence nor an actual death sentence. Maybe in their elite and esoteric language, it means some kind of prestige, or sacrament to a Pagan Virus Deity. Who knows? In the case of the Trudeau, Sophie tested positive, and had symptoms, while her husband Justin, the Prime Minister, never got sick, and was never tested. (He didn't want to appear privileged; Not everybody can get tested in Canada, you must have symptoms.)

We do live now in a world dominated by a Corona virus, as my friend Kevin Corbett, a retired nurse in the UK puts it, "with knobs on it." Shrek-Green is the color that was chosen. We're lost in a simulation, seeking to grab hold of "truth" and reality. One way that I do that is to grab hold of words, slow them down, and analyze them. Globalists love to weaponize words and make spells out of them. Hypnotics. To this end, they invent new words, and force you to use them and live them. Words like "Corona Virus," and "Social Distancing." "COVID-19." "Tested Positive."

Whether we realize it or not, this phrase is an echo of HIV-think, which I swam through for most of my so-called career in journalism, choking and spitting all the way out. The globalists write *code*. They encode "viruses" and give them a weaponized, video-game identity. In this video game, you lose all your freedoms, and must display gratitude and servitude. Viral code trumps all other forms of politics. Nothing can counter it. Especially not "science." The virus is also a sweeping metaphor for the spread of "misinformation," which means anything outside their religious doctrines, not recognizable by classical virology.

The code, the potential scenarios, the mysticism and superstition about how the virus spreads, must not be questioned, If you wish to remain a person, as opposed to an un-person. It's a form of post-globalist environmental socialism gone malignant: Demand that all people submit to an equal chance to be killed by a virus. Act out the theatrics of worshiping the virus with fear as the measure of inverted faith. This is why celebrities love this kind of thing. It gives them a chance to debase themselves, to self-flagellate as fellow sufferers. As I write this, from my window in New York City, at 7 pm every evening, people are heard

hollering, clapping, and blowing horns from their windows, to show solidarity to the health care workers on the front lines. Was any such thing ever devised for the mass deaths from opioids? No, they weren't significant deaths for the global elites. It's not "death," this play is about. It's socialist contagion theology. You can't go to the grocery store without encountering new displays of Corona Heroica. Only *viruses* interest these people, these haters of liberty. Yet they refuse to learn the first thing about the natural life of viruses and humans. If they did peer into this world, they would find beauty, truth, and wonder. They would find that viruses are rarely deadly, always misunderstood, and actually trying to protect us. The reason the globalists are obsessed with "spread" and "viruses" is because they want to shut down all forms of communication and information exchange that threatens their New World Order.

"Every time somebody takes a swab, a tissue sample of their DNA, it goes into a government database. It's to track us," says David Rasnick. "They're not just looking for the virus. Please put that in your article."

Technocracy

In HIV, the death spell (code) came to people in the form of two antibody tests called ELISA and Western Blot, initially. Not PCR tests—they came later, to measure "viral load," and were specifically *not* to be used for diagnosing HIV. Rather, to stress people out about their "surrogate markers," said to represent where they stood in their battle against HIV. (Did people really need to be in a "battle" against HIV? This was the trillion-dollar question.)

In any case, those tests were not built on a "gold standard" which means purification of an actual virus. Purification means the pathogen has been separated from all else. HIV co-discoverer and Nobel Laureate Luc Montagnier famously told journalist Djamel Tahi in an interview: "[I repeat, we did not purify.](#)"

HIV was never "separated from everything else." It was and is a laboratory artifact, a set of lab-tortured antigens around which a "test" was built—a test which shattered countless millions of lives, because people watched TV and believed what they were told. They didn't get a chance to hear what Kary Mullis or dozens of other real scientists had to say about the supposedly deadly retrovirus, HIV.

Nothing was proven before it was asserted. This became the norm, paving the way for the situation we are in now. Global viral communism. We all dreaded this would happen, but we never dreamed they would choose a cold virus. A Corona virus.

In the early 1990's, PCR, (Polymerase Chain Reaction) came into popular use, and Kary Mullis was awarded the Nobel Prize for it in 1993. PCR, simply put, is a thermal cycling method used to make up to billions of copies of a specific DNA sample, making it large enough to study. As it correctly says on PCR's [Wikipedia page](#), PCR is an "...indispensable technique" with a "broad variety" of applications, "...including biomedical *research* and criminal forensics." [Italics mine.] The page goes on to say, to my dismay, that one of the applications of PCR is "...for the diagnosis of infectious diseases."



PCR is a needle in a haystack technology that can be extremely misleading in "the diagnosis of infectious diseases." The first conflict between this revolutionary technology and human life happened on the battlefield

of AIDS, and Mullis himself came to the front line arguing *against* PCR as diagnostic tool. In 1987, esteemed Berkeley cancer virologist Peter Duesberg had doomed his funding and "career" by issuing a broadside in a paper published in *Cancer Research* to the growing and promiscuous assertions made for cancer viruses, including at least one he stood to gain a Nobel Prize for had he not diffused its significance himself.

His main argument was that the Gallo/Montagnier fusion "virus" that came to be called 'HIV' was (like all viruses in its class) barely capable of infecting cells. It infected so few cells that Duesberg likened the pathogenic model to thinking you can conquer China by killing 3 soldiers a day. There was simply not enough "there-there" in the form of cell death. "It's a pussycat," he said. He even said he wouldn't mind being injected with it. (though not if it came from Gallo's lab.)

With PCR's rise, the HIV Industrial Complex weaponized it to assert that *now* they could see HIV more abundantly, hence their maligned foe Peter Duesberg was toast. And it was Kary Mullis, himself an HIV dissenter, who rose to Duesberg's defense and said, "No he isn't."

I conducted a two-hour interview with David Crowe— Canadian researcher, with a degree in biology and mathematics, host of *The Infectious Myth* podcast, and President of the think-tank *Rethinking AIDS*. He broke down the problems with the PCR based Corona test in great detail, revealing a world of unimaginable complexity, as well as trickery.

"The first thing to know is that the test is not binary," he said. "In fact, I don't think there are any tests for infectious disease that are positive or negative."

The next part of his explanation is lengthy and detailed, but let's push through:

"What they do is they take some kind of a continuum and they arbitrarily say this point is the difference between positive and negative."

"Wow," I said. "That's so important. I think people envision it as one of two things: Positive or negative, like a pregnancy test. You "have it" or you don't."

"PCR is really a manufacturing technique," Crowe explained. "You start with one molecule. You start with a small amount of DNA and on each cycle the amount doubles, which doesn't sound like that much, but if you, if you double 30 times, you get approximately a billion times more material than you started with. So as a manufacturing technique, it's great. What they do is they attach a fluorescent molecule to the RNA as they produce it. You shine a light at one wavelength, and you get a response, you get light sent back at a different wavelength. So, they measure the amount of light that comes back and that's their surrogate for how much DNA there is. I'm using the word DNA. There's a step in RT- PCR test which is where you convert the RNA to DNA. So, the PCR test is actually not using the viral RNA. It's using DNA, but it's like the complimentary RNA. So logically it's the same thing, but it can be confusing. Like why am I suddenly talking about DNA? Basically, there's a certain number of cycles."

This is where it gets wild.

"In one paper," Crowe says, "I found 37 cycles. If you didn't get enough fluorescence by 37 cycles, you are considered negative. In another, paper, the cutoff was 36. Thirty-seven to 40 were considered "indeterminate." And if you got in that range, then you did more testing. I've only seen two papers that described what the limit was. So, it's quite possible that different hospitals, different States, Canada versus the US, Italy versus France are all using different cutoff sensitivity standards of the Covid test. So, if you cut off at 20, everybody would be negative. If you cut off a 50, you might have everybody positive."

I asked him to pause so I could exclaim my astonishment. And yet, it was Déjà vu all over again. Just like in the HIV battle—people were never told that the “HIV test” had different standards in different countries, and within countries, from lab to lab. The highest bar (the greatest number of HIV proteins) was in Australia: five. The Lowest was Africa: 2. In the US it is generally 3-4.

We used to joke that you could rid yourself of an “HIV diagnosis” by flying from either the US or Australia, to Africa. But for many years, “AIDS” in Africa was diagnosed without any tests whatsoever. Just a short list of symptoms that tracked precisely with symptoms of most tropical diseases, such as fever, cough, and shortness of breath.

David, in his quiet Canadian way, dropped a bombshell in his next statement:

“I think if a country said, “You know, we need to end this epidemic,” They could quietly send around a memo saying: “We shouldn’t be having the cutoff at 37. If we put it at 32, the number of positive tests drops dramatically. If it’s still not enough, well, you know, 30 or 28 or something like that. So, you can control the sensitivity.”

Yes, you read that right. Labs can manipulate how many “cases’ of Covid-19 their country has. Is this how the Chinese made their case load vanish all of a sudden?

“Another reason we know this is bogus,” Crowe continued, “is from a remarkable series of graphs published by some people from Singapore in JAMA. These graphs were published in the supplementary information, which is an indication that nobody’s supposed to read them. And I think the authors probably just threw them in because they were interesting graphs, but they didn’t realize what was in them. So, they were 18 graphs of 18 different people. And at this hospital in Singapore, they did daily coronavirus tests and they grasped the number of PCR cycles necessary to detect fluorescence. Or if they couldn’t detect fluorescence by...37 cycles, they put a dot on the bottom of the graph, signifying a negative.”

“So, in this group of 18 people, the majority of people went from positive, which is normally read as “infected,” to negative, which is normally read as “uninfected” back to positive—infected again. So how do you interpret this? How do you have a test if a test act is actually, you know, 100% positive for detecting infection, then the negative results must’ve been wrong? And so, one way to solve that is to move the point from 37 to say 36 or 38. You can move this, this cycle of numbers. It’s an arbitrary division up or down. But there’s no guarantee that if you did that, you wouldn’t still have the same thing. It would just, instead of going from, from 36 to undetectable and back to 36 or back to 45, it might go from 33 to undetectable to 30 or something like that. Right? So, you can’t solve the problem by changing this arbitrary binary division. And so basically this says that the test is not detecting infection. Because if it was, like if you’re infected, and then you’re uninfected, and you’re in a hospital with the best anti-infective precautions in the world, how did you get re-infected? And if you cured the infection, why didn’t you have antibodies to stop you getting re-infected? So, there’s no explanation within the mainstream that can explain these results. That’s why I think they’re so important.”

I couldn’t believe my ears. And yet I could. Have you ever tried to read the package insert for a “Corona” PCR test? You begin to feel after a while that the technobabble is some kind of spell, or bad dream. An alien language from another dimension, that could not possibly—whatever else it may do—help a single human being have a better life. It’s not “English.” I don’t know what it is.

“I’ve been quoting, Alice in Wonderland a lot recently,” David says, “because it’s the only way I can wrap my head around it. Alice said: “Sometimes I can believe six impossible things before breakfast!”

One of the ways to distinguish truth from deception in contemporary "science" is to track what gets removed. For example, David tells me, there was apparently an English abstract online at PubMed out of China that rendered the entire COVID testing industrial complex baseless and absurd.

"There was a famous Chinese paper that estimated that if you're testing asymptomatic people, up to 80% of positives could be false positive. That was kind of shocking, so shocking that PubMed had to withdraw the abstract even though the Chinese paper appears to still be published and available. I actually have a translation with a friend. I translated it into English and it's a really, standard calculation of what they call positive predictive value. The abstract basically said that in asymptomatic populations, the chance of a positive coronavirus test being a true positive is only about 20%. 80% will be false positive."

"Doesn't that mean the test means nothing?" I asked.

"The Chinese analysis was a mathematical analysis, a standard, the standard analysis that's been done a million times before. There's no reason to withdraw the paper for any reason. There's nothing dramatic about the paper. It's a really boring analysis. It's just that they did the standard analysis and said, in some populations, like they estimated 1% of people are actually infected in the population. You could have 80% false positive. Uh, they couldn't do a real analysis of false positives in terms of determining whether a test is correct or not because that requires a gold standard and the only gold standard is purification of the virus. So, we get back to the fact that the virus is not being purified. If you could purify the virus, then you could take a hundred people who tested positive and you could search for the virus in them. And if you found the virus in 50 out of a hundred and not in the other 50, you could say that the test is only accurate 50% of the time. But we have no way to do that because we haven't yet purified the virus. And I don't think we ever will."

Dave Rasnick has had exchanges with David Crowe about this, and concurs, "To my knowledge, they have not yet purified this virus."

In a previous interview I did with him a few weeks ago, he said this, about PCR tests and the fallacies of thinking less is more, or smaller is better, or more "sensitive" means more accurate:

"It's like fingerprints. With PCR you're only looking at a small number of nucleotide. You're looking at a tiny segment of gene, like a fingerprint. When you have regular human fingerprints, they have to have points of confirmation. There are parts that are common to almost all fingerprints, and it's those generic parts in a Corona virus that the PCR test picks up. They can have partial loops but if you only took a few little samples of fingerprints you are going to come up with a lot of segments of RNA that we are not sure have anything to do with corona virus. They will still show up in PCR. You can get down to the levels where its biologically irrelevant and then amplify it a trillion-fold."

"The primers are what you know. We already know the strings of RNA for the Corona family, the regions that are stable. That's at one end. Then you look at the other end of the region, for all Corona viruses. The Chinese decided that there was a region in those stable areas that was unique to their Corona virus. You do PCR to see if that is true. If it is truly unique it would work. But they're using the SARS test because they don't really have one for the new virus."

"SARS isn't the virus that stopped the world," I offer.

"That's right."

"PCR for diagnosis is a big problem," he continues. "When you have to amplify it these huge numbers of time, it's going to generate massive amounts of false positives. Again, I'm skeptical that a PCR test is ever true."

Crowe described a case in the literature of a woman who had been in contact with a suspect case of Corona (in Wuhan) they believed was the index case. "She was important to the supposed chain of infection because of this. They tested her 18 times, different parts of the body, like nose, throat—different PCR tests. 18 different tests. And she tested negative every time. And then they—because of her epidemiological connection with the other cases, they said: "We consider her infected. So, they had 18 negative tests and they said she was infected."

"Now why was she important? Well there was only one other person who could have theoretically transmitted the virus if the original patient, outside the family was who they thought it was. But secondly, she had the same exact symptoms as everybody else. Right? So, four people in his family came down with fever and cough and headaches, fatigue and all these kinds of big symptoms. So, if she could get those symptoms without the virus, then you, you've got to say, well, why couldn't everybody else's symptoms be explained by whatever she had? I mean, maybe they, they ate some bad seafood or something and so they all got sick, but it had nothing to do with the coronavirus. But because three out of the four, tested positive, then they were, they were all considered infected and out of the same paper.

Another interesting thing is that they did a lot of tests. The first person in the list of people tested, he was positive on three out of 11 tests. So again, they took nose and throat samples and you know, different methods and all this kind of stuff. And they got 11 separate tests and only three were positive. And of course, all you need to be considered infected is one positive test. They could test you 20 times and if you test positive once, then you're infected. So, a positive test is meaningful. A negative test. It's like, eh. Not so much."

I asked Crowe what he thought Kary Mullis would say about this explosion of PCR insanity.

"I'm sad that he isn't here to defend his manufacturing technique," he said. "Kary did not invent a test. He invented a very powerful manufacturing technique that is being abused. What are the best applications for PCR? Not medical diagnostics. He knew that and he always said that."

Our conversation went in many different directions and I plan to publish the entire audio interview. I asked David what he thought was happening here, at the most core level.

"I don't think they understand what they're doing," he said. "I think it's out of control. They don't know how to end this. This is what I think what happened: They have built a pandemic machine over many years and, and as you know, there was a pandemic exercise not long before this whole thing started."

"I just want to identify who sponsored that simulation conference, 6 weeks before the first news broke out of Wuhan," I interjected. "It was the Bill and Melinda Gates foundation, Johns Hopkins Center For Health Security, and the World Economic Forum. Incidentally, all the stats, projections and modeling you see in the media are coming out of Johns Hopkins."

"Right. So, this beautiful pandemic machine is a lot like...let's use an example of an aircraft simulator. Okay. So, so pilots are tested on an aircraft simulator. So if you're flying along in an airplane and there's a loud bang and you see smoke coming from an engine on the right hand side, this is probably the first time a pilot has ever been in an airplane that had an engine failure. But he's tested this scenario 25 times on an aircraft simulator. So, he knows exactly what to do without being told. He goes through the procedure. He doesn't have to think, he just does the steps that he's been taught through the, the aircraft simulator and he successfully lands the airplane with one engine. So, a pandemic simulator is just like that. You sit down at the computer, you see the virus going around the world, um, and you say, okay, so what we need to do is we need to dress everybody in protective clothing."

"We need to quarantine everybody who's positive. Next step. We need to do social isolation. It's a *mathematical* model. And at the end you always win, right? So, in the end, the good guys win, and the pandemic is defeated. But there's, there's never been like an actual real pandemic since they built this machine. So, there's this huge machine, it's got a red button on it and it's like if you ever detect a pandemic starting, you press the red button. We don't know exactly what happened, but I think the Chinese government was embarrassed cause they were being accused of covering up a pandemic. They said, okay, you know, we want Western approval for our medical system so we're going to press the goddamn red button. Or they did. And then everything followed from that. The problem is that the simulation was never based on reality."

In another part of our conversation, he said something unforgettable:

"So, we've essentially been taken over by the medical Taliban, if you like."

I pressed him one last time:

"David, in conclusion, finish this sentence: "The PCR test for Corona is as good as..."

His reply made me laugh. I didn't know I still could laugh.

"It's as good as that Scientology test that detects your personality and then tells you need to give all your money to Scientology. "

Celia Farber is half Swedish, raised there, so she knows "socialism" from the inside. She has focused her writings on freedom and tyranny, with an early focus on the pharmaceutical industry and media abuses on human liberties. She has been under ferocious attack for her writings on HIV/AIDS, where she has worked to document the topic as a psychological operation, and rooted in fake science. She is a contributor to UncoverDC and The Epoch Times, and has in the past written for Harper's, Esquire, Rolling Stone and more. Having been gravely injured in legacy media, she never wants to go back. She is the recipient of the Semmelweis International Society Clean Hands Award For Investigative Journalism, and was under such attack for her work, she briefly sought protection from the FBI and NYPD. She is the author of "Serious Adverse Events: An Uncensored History of AIDS," and the editor of The Truth Barrier, an investigative and literary website. She co-hosts "The Whistleblower Newsroom" with Kristina Borjesson on PRN, Fridays at 10am.

Twitter: [@CeliaFarber](#) Web: www.truthbarrier.com FB: [Celia Ingrid Farber](#)

11.3 Kary Mullis and Altermune

Dr. Kary Banks Mullis
1944-2019

Note: Did Dr Mullis know that a planned pandemic was going to happen. His Altermune approach was to use the immune system antibodies to trick the DNA to kill the pathodgen. He is not changing the DNA.



[Interview with Julia Puppe](#)

Groundbreaking discoveries of the past and the future
Eccentric, intellectual maverick, surfer – Kary Mullis has been given lots of names. The man who has been described in the press as possessing a "creative

nonconformity that verges on the lunatic” may not be your typical scientist; he sure is a Nobel Prize winner. Let us therefore concentrate on his winning invention of the polymerase chain reaction and his current efforts: developing a chemical tool that could be used like an **antibiotic for the flu**.

By Julia Puppe

It is true, on the day Kary Mullis **won the 1993 Nobel Prize for Chemistry**, he went surfing. This has nothing to do with his groundbreaking discovery of the polymerase chain reaction (PCR). However, it has earned Mullis the reputation of **not being your typical scientist**, which, Mullis admits, is probably true – not because he likes surfing, but in comparison to the typical scientist of the 21st century. **“They are generally extremely specialized, and they are much more businesslike than I am.** If you, on the other hand, take the typical scientist of the **17th century, I fit the bill perfectly**”, Mullis laughs, and adds: “That’s where the real rules of scientific discipline were established, people like **Isaac Newton and the Royal Society.**”

Mullis sees science in a way people in the 17th or 18th century saw it, which, he explains, is **not broken up into hundreds of little subspecialties**. “I see things like physics, magnetism, gravity, chemistry, and also history as all being **linked**.” This could be called a **holistic approach** to science, but Mullis shakes his head. “That sounds hokey. And Newton would have said no, that’s just what science is.” How can you disagree with someone whose invention was awarded with the Nobel Prize? Yet, Mullis remarks, getting behind the concept of PCR was surprisingly simple once he had got over “that one little hump in there.” It was the **vision of an organic chemist** rather than that of a molecular biologist that helped him. “When I thought of DNA, I thought of it in the most detailed way that I reasonably could. In my mind, I drew it as though it were an **organic chemical**. I noticed that when the molecular biologists made diagrams of DNA molecules, they always drew them as **straight lines**. But they really are little twisted structures that would better be drawn as two parallel lines, bearing in mind that they are actually **antiparallel** with complementary sequences. If you can see it that way then PCR is almost tautological.”

The invention of PCR replaced the tedious manual preparation of standard DNA samples in many laboratories all over the world – a “repetitive” and plain “boring” process, according to Mullis. “Beginning with a single molecule of DNA, the PCR can generate **100 billion similar molecules in an afternoon**. The reaction requires no more than a test tube, a few simple reagents and a source of heat. The **DNA** may come from a hospital tissue specimen, from a single human hair, from a drop of dried blood at the scene of a crime, from the tissues of a mummified brain or from a 40,000-year-old woolly mammoth frozen in a glacier,” says Mullis. Still it took some time for people to see just how important PCR would turn out to be.

In fact, Mullis’ invention **met a lot of resistance** at first – not surprisingly, he believes. “If you were a trained molecular biologist and someone from the chemistry department came over and said: ‘What you do in six months we can do in 12 hours’, wouldn’t you laugh at that? Most of the molecular biologists didn’t particularly care for chemistry. So they resisted it for a little while.” Mullis didn’t think of it as a problem because he knew that the skeptics would slowly come across. And they did. “Some of the people who have published books on PCR methodology were the very same people who walked out of my first lecture about it,” says Mullis, not even trying to suppress a smile.

Learning a new language

Mullis likes a challenge. The harder it is for him to understand a phenomenon immediately, the more interesting it is. “You look at something and ask yourself: ‘Why is this that way?’ In order to figure that out you need to read everything other scientists have said about it. This requires you to learn a whole new language.” Over the last 10 years, Mullis got interested in immunology and learned the language immunologists speak. “I had an idea about how to tackle infectious diseases. When a new pathogen enters your body, the reaction is a new immune response. However, it can take a month before your immune system is really up and running. During that process a fast pathogen can wipe you out. So I thought: ‘Why not use an old immune response, just refit it?’ But in order to even start to do something about it, I had to learn the language of immunology.”

Mullis’ language skills developed and so did his idea. This led to the formation of his latest venture, **Altermune LLC**, and his most recent patent application, which covers an approach for **instantly mobilizing the immune system to neutralize invading pathogens and toxins**. “We are altering the target of an immune response by using specific synthetic chemical linkers that divert an immune response from its nominal target to something completely different, which you would right now like to be temporarily immune to,” explains Mullis and gives an example: “Let’s say you just got exposed to a **new strain of the flu**. You’re already immune to alpha-1,3-galactosylgalactose bonds. All humans are. Why not divert a fraction of those antibodies to the influenza strain you just picked up? A chemical linker synthesized with an alpha-1,3- gal-gal bond on one end and a DNA aptamer devised to bind specifically to the strain of influenza you have on the other end, will link anti-alpha-Gal antibodies to the influenza virus and presto, you have fooled your immune system into attacking the new virus.”

Sounds simple enough, but developing this chemical linker is not. “Doing this is a lot harder than I envisioned it when I first thought about it. There are a lot of people involved unlike PCR, where I could do it myself,” sighs Mullis. With his team of organic chemists, influenza and poultry specialists and immunologists, he is currently testing the Altermune method in chickens against a strain of flu called H3M2. Most humans are already immune to this typical laboratory strain, but Mullis’ vision includes H5M1, which is likely to prove disastrous. “The flu has been living with humans for a long time. And it looks like about every once or twice every century, there is an epidemic. If there is going to be a worldwide epidemic of H5M1, it’s just a matter of time – and this time is likely to be worse than last time,” is Mullis’ grim prediction.

A chemical tool

Unfortunately, the bad news does not end there; there is also **staphylococcus aureus** to be worried about. “We have been killing it with antibiotics since the early 20th century but strains of it have become resistant. More and more organisms will become resistant to antibiotics, so we need new ones. In a way, our **Altermune linkers are an antibiotic**, they act like one,” says Mullis and points out that humans would not develop a new immunity. “You would use an old one. That’s really important from the point of view of immunology. Every time you make a brand new immune response, there is some little minor damage done to

your body. You are going to **kill cells** even though they are completely innocent. If you use an **immune response that you already have**, this makes sense to me.” However, it would take the body some time to bridge an acquired immunity with a **new pathogen**, during which time the body might start an immunity response. “You may end up being immune to the pathogen as a mop up process, so that next time the disease comes along, you will already have the **memory cells** of an immune response,” hopes Mullis.

Unlike Penicillin, the **Altermune antibiotic is human generated**, it is a chemical tool. Developing resistance against it will be harder for strains of bacteria than it has been in the **case of Penicillin**, named after the mould *Penicillium notatum*, which was found in fungi. Resistant strains of bacteria already existed when Penicillin was discovered by Alexander Fleming in 1929 because fungi have long made use of the antibacterial effect. “**Nothing in nature is similar to the Altermune linkers**. It will be **hard for bacteria and the flu to deal with them**. It really has great potential but it’s going slow. We are not part of a huge drug company,” says Mullis and admits that although he does not like the word he is, in fact, a bit of a maverick: “I like to have my fingers in all the little pieces I am working on. I know I need help from all kinds of specialties but I don’t want to go to meetings every week for three hours and talk it all over. If you are really good at doing something, large organizations just keep promoting you up to where you have nothing more to do with your original project. I’m trying to **keep Altermune a small operation** although we are now realizing that more people need to be involved.”

Of mice and chickens

Mullis is now actively seeking more professionals to take on the Altermune project. “As I learn more, I see that there are **better ways** to do it. You don’t have to go to some big cumbersome machine, because they’ll say: ‘Write it all up, we’ll meet and talk about it in a month or two’. That is very frustrating for me. I like to be able to **decide on my own schedule** and **take advice** from everybody who works for me. But as of right now, that’s just been changed,” Mullis says with a wink.

Mullis is anticipating the first in vivo experiments to yield results this summer. This will tell him how **sensitive H3M2 is in chickens**. Then the Altermune linkers will be tested in mice against a different strain of influenza. “The chemically defined molecules we are making are the same. But there is a big difference between chickens and mice. The strain of influenza that works well in mice and attacks people **doesn’t attack chickens**.” Another problem is that the mice Mullis needs for his experiment will have to be bred first, which will take up to three months. “That’s how biology is,” says Mullis and shrugs his shoulder. “It’s a complicated process. Hopefully, by summer, we will have an Altermune linker prepared that would not only be **effective** against the laboratory stream but **against H5M1**. Chickens have the **same immunity against the alpha-Gal epitope as humans do**, so if we develop something that works in chickens, like H5M1, it will probably work in humans.”

If there is an emergency, Mullis thinks it is possible that the FDA might use his invention without it being tested in humans. “If there are people **dying** they will **have to give it a shot**. But I don’t know what would actually happen. Whether or not it will ever be used in my life I don’t know. But you have to start somewhere and the **flu is not going to go away**.” Luckily, Mullis says, major scientific

advances in the field of immunology are being made because of more biological fields becoming more and more chemically sophisticated. "Biology has been chemicalized. Biologists who don't understand chemistry are becoming fewer and fewer as they age and the younger population of biologist who know their chemistry are starting to become old enough to become professors. It's an exciting time for the biological scientist and for medicine."

Note: This extract is highlighting the calling of a scientist. He is not a technologist.

BOXOUT 1

"Every November when I was young, my mother would give my brothers and me a pile of catalogues and let us pick what we wanted for Christmas. It was in one of those catalogues that I found a Gilbert Chemistry Set. Something about tubes filled with things with exotic names intrigued me. My objective with that set was to figure out what things I might put together to cause an explosion."

From: "Dancing Naked in the Mind Field", 1998

BOXOUT 2

"I discovered that whatever chemicals might be missing from the set could be bought at the local drugstore. In the 1950s in Columbia, South Carolina, it was considered okay for kids to play with weird things. We could go down to the hardware store and buy 100 feet of dynamite fuse, and the clerk would just smile and say, 'What are you kids going to do? Blow up the bank?'"

From: "Dancing Naked in the Mind Field", 1998

Note: This is freedom to choose, to follow your own impulses. The brave new world won't have this type of freedom as kids are on devices and information is delivered not discovered. The mind is controlled not freed to follow curious questions.

BOXOUT 3

"We were fortunate to have the Russians as our childhood enemies. We practiced hiding under our desks in case they had the temerity to drop a nuclear weapon on Columbia, South Carolina, during school hours. In 1957 the Russians launched the space race by putting Sputnik I into orbit around Earth. It was only twenty-three inches in diameter, but it revolutionized the American educational system. The government poured millions of dollars into science education. It was a fortuitous time to be young and in love with science."

From: "Dancing Naked in the Mind Field", 1998

Note: He says he is love with science. Love and science go together. That is the only reason you get in to it, not because STEM is the only choice and universities are transformed in to smart cities. Where there is no choice. The Russians inspired the US into science that is not a cold war but warming to peace. War uses scientists for destructive purposes, peace inspires the expansion of humanity. That is potential unlocked.

11.4 Dr Mullis: Chemically Programmable Immunity

Note: Why did Dr Mullis die in 2019? Perhaps his discovery was a threat? The PCR is used to justify lockdowns, I do not think Dr Mullis would have agreed with the use of PCR nor the shutdown of the global community. Dr Mullis was not a business man he was a scientist exploring science to benefit humanity. Below is his Immune therapy.

Dr. Kary Banks Mullis
1944-2019

Altermune

The History of Disease

Early stages in major advancements are never heralded or even noticed. It is years or decades before things that will dominate a field are obvious to careful observers. Successful investors are lucky or prescient.

Altermune is a distinct change in direction for the medical treatment of microbial infections, metabolic disorders, cancer, any number of problems where surgical procedures are too crude, present chemical interventions are losing out to resistant strains, and yet some kind of molecular intervention is necessary and still makes sense.

The vertebrate immune system was evolved to deal with molecular and organismal problems. Most of what kills us is too tiny for us to notice with our unaided eyes. Cell to cell combat, molecule to molecule interactions are where we live or die in this epoch. Big animals, even humans, are not our problem.

Our **immune system** has been performing remarkably while our population has grown immensely and the mathematics of infectious disease alone ignoring for the time being cancer and metabolic disorders associated with an abundance of unhealthy food does not favor numerically successful species.

This is reasonable, for biology is exquisitely balanced. But I don't care to see my offspring come to an untimely end before my eyes. Infectious disease is therefore something I think about.

In 1917-1918, influenza brought down a particular mixture, not the infants or the very old, but the young and the strong. We don't know exactly why. We can speculate about immunities, but it becomes obvious rather quickly that we don't know why. Next time it may be the same or it may be the opposite.

Humans have this system of immunity, which **recognizes novel structures, possible problems, in our fluids**. We are standing creatures with brains and arms, not formless pools of microbial mush, because of that system. It has kept us intact in spite of our distinct resemblance to universal food. But **our immune system is overworked**. Too many of us are **passing too many things around** and the planet has virtually shrunk to the size of a 747's daily range.

We have immensely increased the rate at which our immune system has to deal with new things. Perhaps just by luck or was it destiny, we are now in possession of things like nuclear magnetic resonance spectroscopy, electron microscopes, sequencers of proteins and nucleic acids, chemical reagents of dazzling complexity and the multitude of us now becomes an advantage. There are lots of chemists in the world. We communicate electronically at the speed of light using satellites; **we are a force to be reckoned with**.

We have been slowly developing chemistry, the art of dealing, using instruments we devise, with things that are much too small for us to see. They have plus and minus charges on them that we can't feel; they have oily places on them much too tiny for us to notice oil and they have water-loving patches too small for us to see oil droplets beading up on the water. **Microbes** need all of these things, specific types of them, in fact, to survive, and none of them are beyond the scope of our instruments and our synthetic tools. That's our advantage. Just in this last century we have come to know these things the way we used to know javelins and swords.

How can we help our immune system?

Altermune has a shot at it.

Give its antibodies, its workhorse molecules, bionic arms, little chemical extensions that allow an old antibody to do new tricks. **Altermune, LLC**, in collaboration with **Ron Cook** of Biosearch in Novato, CA, re-directed **antibodies** whose job used to be **binding to something** called the alpha-Gal epitope or galactose-alpha-1,3-galactosyl-beta-1,4-N-acetyl glucosamine, to **influenza using DNA aptamers** attached to the alpha-Gal epitope. These linkers can **tightly seize an influenza virion**, and turn it over to a hungry human macrophage. The change was accomplished with a drug which can be **inhaled**. The virus never saw it coming.

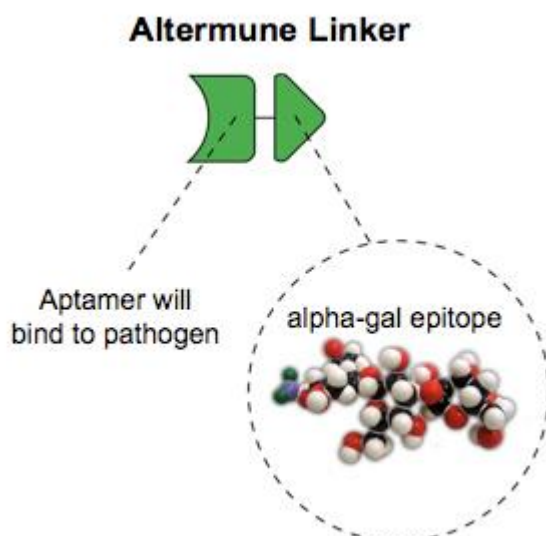
What else can we do with this system **besides cure the flu**? There are bacteria like the famous E. coli out there that have learned how to outwit our cherished antibiotics. We need to deal with them, and resistant strains of Staphylococcus aureus, that can rot you away in front of your doctors and family in the finest hospitals in America. And no surprise, other **resistant bacteria are on the rise**. Resistance to antibiotics was already in the world when Alexander Fleming discovered **penicillin** England in 1929. His advisor, Almroth Wright, predicted antibiotic resistance before it was even noticed experimentally. After all, Fleming had only borrowed penicillin from a **mold**, which had been using it to kill bacteria for at least a **hundred million years**. Some bacteria had come up with an antidote, penicillinase, which in 1929 no one knew was coded on a **plasmid** that could be transferred from bacterium to bacterium as needed. But, it only took about fifty years before the enzyme was transferred to a bacterium with a taste for warm blood.

The story is about the same for all of our antibiotics.

We need to make our own from **first principles, new compounds** that have never been seen on this planet. **The Altermune method**, taking advantage of the **evolutionary skill of our immune system** for killing micro-organisms once their structure has identified them as being enemies, is developing the process of building bionic arms for antibodies, which once the offending microorganism is identified, can grab it. The process already is quick and efficient, and shockingly so for the microbes, who are used to the slow creep of biology, and know nothing of nuclear magnetic resonance or high resolution mass spectroscopy.

About Altermune

An example of a linker between a pathogen and antibodies to the alpha-Gal epitope



Special Report

Groundbreaking discoveries of the past and the future

Julia Puppe spoke with Nobel Prize winner Kary Mullis about PCR and a potential antibiotic for the flu.

[. . .]

Mullis likes a challenge. The harder it is for him to understand a phenomenon immediately, the more interesting it is. "You look at something and ask yourself: "Why is this that way?" In order to figure that out you need to read everything other scientists have said about it. This requires you to learn a whole new language." Over the last 10 years, Mullis got interested in immunology and learned the language immunologists speak. "I had an idea about how to tackle infectious diseases. When a new pathogen enters your body, the reaction is a new immune response. However, it can take a month before your immune system is really up and running. During that process a fast pathogen can wipe you out. So I thought: "Why not use an old immune response, just refit it?". But in order to even start to do something about it, I had to learn the language of immunology."

*Mullis' language skills developed and so did his idea. This led to the formation of his latest venture, Altermune LLC, and **his most recent patent application**, which covers an approach for instantly mobilizing the immune system to neutralize invading pathogens and toxins. "**We are altering the target of an immune response** by using specific **synthetic chemical linkers** that divert an immune response from its nominal target to something completely different, which you would right now like to be temporarily immune to," explains Mullis and gives an example: "Let's say you just got exposed to a **new strain of the flu**. You're already immune to alpha-1,3-galactosyl-galactose bonds. All humans are. Why not **divert a fraction** of those antibodies to the influenza strain you just picked up? A chemical linker synthesized with an alpha-1,3-gal-gal bond on one end and a **DNA aptamer** devised to bind specifically to the **strain of influenza** you have on the other end, will link anti-alpha-Gal antibodies to the influenza virus and presto, you have fooled your immune system into attacking the new virus."*

*Sounds simple enough, but developing this chemical linker is not. "Doing this is a lot harder than I envisioned it when I first thought about it. There are a **lot of people involved unlike PCR**, where I could do it myself," sighs Mullis. With his team of organic chemists, influenza and poultry specialists and immunologists, he is currently testing the Altermune method in chickens against a strain of flu called H3N2. Most humans are already immune to this typical laboratory strain, but Mullis' vision includes H5N1, which is likely to prove disastrous. "The flu has been living with humans for a long time. And it looks like about every once or twice every century, there is an **epidemic**. If there is going to be a worldwide epidemic of H5N1, it's just a matter of time - and this time is likely to be worse than last time," is Mullis' grim prediction ...*

...

11.5 Kary Mullis dies August 7, 2019 at age 74

Note: Dr Kary Mullis died aged 74 with pneumonia which is interesting given COVID-19 pandemic happened some months after. Had he died after the start would they call it COVID-19?

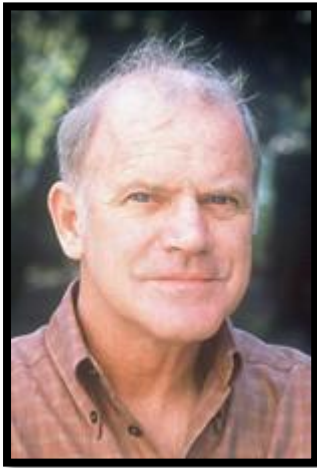
Boehringer Ingelheim said this about COVID and pneumonia at the beginning of the pandemic: "...In the face of the outbreak of pneumonia caused by novel coronavirus, Boehringer Ingelheim quickly made a number of donation decisions... Furthermore, Boehringer Ingelheim has donated Mucosolvan (ambroxol hydrochloride) ampoules worth 4 million RMB (~ 577.000 US-\$) to help treat patients with the new pneumonia.... Boehringer Ingelheim has decided to donate 1 million RMB, Chinese Yuan (~ 144.000 US-\$) to the China Red Cross Foundation to purchase protective clothing, goggles and other medical protective materials for hospitals in Wuhan and other cities in Hubei. This helps local front-line medical staff involved in their fight against the epidemic to treat patients more safely..."

This extract provides background: "...Mullis was born in Lenoir, North Carolina, in 1944. He received a bachelor's degree in chemistry from the Georgia Institute of Technology in 1966 and a PhD in biochemistry from the University of California, Berkeley, in 1972. He joined Cetus in 1979. In 1986, he became the director of molecular biology at Xytronyx. And starting in 1987, he worked as a consultant on nucleic acid chemistry for multiple companies....Kary B. Mullis, Nobel Laureate in Chemistry, died Aug. 7 2019 of pneumonia at the age of 74. He won the 1993 Nobel Prize in Chemistry for his invention of the polymerase chain reaction (PCR) method for copying and amplifying DNA. Mullis invented the PCR method in 1983 as a chemist at Cetus Corporation. The original version of PCR that Mullis developed uses repeated cycles of elevated temperatures to separate DNA strands, which are then copied by a heat-stable DNA polymerase. Repeating the cycle many times leads to an exponential increase in the quantity of DNA. In this way, even traces of DNA can be amplified into amounts that can be easily sequenced or quantified...."

This extract is very revealing and provides a rationale for a potential motive for his death. Given he is the inventor of PCR and that is the primary tool for generating cases and diagnosis. The larger agenda is to promote climate as the big issue to unify the world around globalisation and this totalitarian state via a digital grid, his death in 2019 is very suspicious: "...Beyond his work on PCR, Mullis was also known for his controversial views disputing humans' role in climate change and HIV's role in AIDS..." He clearly believes it is natural, this takes out the impetus of global voices blaming the public for climate change and thus justifying the great Global Reset. If it is due to cosmic events, which others have said before, then no matter what is done the climate will change. The AIDS issue is very directly related to Dr Anthony Fauci and Dr Robert Gatto, it has been discussed by Dr Judy Mikovits in this report given she worked on HIV collaborating with Dr Luc Montaigner. Dr. Mullis does not think HIV causes Aids. The controversy with Dr Mikovits was as follows: "...It started really when I was 25 years old I was part of the team that isolated HIV from the saliva and blood of the patients from France where Luc Montaigner had originally isolated the virus. This was a confirmatory study but Tony Fauci and Robert Gallo were working together to spin the story in another way. Dr Rosetti was out of town. Tony Fauci says we understand you have a paper in press we want a copy of it. Yes there is a paper in press and it is confidential and no I will not give you a copy. He started screaming at me and said give us the paper right now or you will be fired for insubordination. I said I am sure when Dr Rosetti comes back you can have the conversation. Frank comes back several weeks later and he is really bullied into giving Fauci the paper. Fauci holds up the publication of the paper for several months while Robert Gallo writes his own paper and gets all the credit, and of course patents are involved, this delay of the confirmation literally led to spreading the virus around killing millions...."

Biochemist received Nobel Prize for invention of PCR and attracted controversy for positions on climate change and AIDS

by Celia Henry Arnaud
Chemical & Engineering News



Credit: Alamy Kary Mullis

Kary B. Mullis, Nobel Laureate in Chemistry, died Aug. 7 of **pneumonia** at the age of 74. He won the 1993 Nobel Prize in Chemistry for his invention of the polymerase chain reaction (PCR) method for copying and amplifying DNA. Mullis invented the PCR method in 1983 as a chemist at Cetus Corporation.

The original version of PCR that Mullis developed uses repeated cycles of elevated temperatures to separate DNA strands, which are then copied by a heat-stable DNA polymerase. Repeating the cycle many times leads to an **exponential increase in the quantity of DNA**. In this way, even traces of DNA can be amplified into amounts that can be easily sequenced or quantified.

PCR amplification played a **key role in the Human Genome Project**, in which most of the DNA blueprint of one person was sequenced.

"The initial scientific goals of the Human Genome Project were actually established before PCR had become a routine laboratory method," says **Eric D. Green**, director of the National Human Genome Research Institute at the National Institutes of Health and participant in the Human Genome Project. "In retrospect, the widespread development of **PCR-based methods ultimately turned out to be critical**—in many ways essential—for the Project's success."

PCR also made its mark in **forensic science**. "Prior to the development of the PCR, forensic scientists utilized very awkward and insensitive techniques" to identify people from DNA samples, says Bruce McCord, a professor of forensic chemistry at Florida International University. "The development of the PCR revolutionized **forensic DNA testing**. Suddenly there was **no need for radioactivity or chemiluminescence**-based detection, as the PCR could produce millions of copies of DNA from only a few cells."

Beyond his work on PCR, Mullis was also known for his **controversial views disputing humans' role in climate change and HIV's role in AIDS**. He also was open about taking hallucinogenic drugs like LSD and synthesizing some when in graduate school.

Mullis was born in Lenoir, North Carolina, in 1944. He received a bachelor's degree in chemistry from the Georgia Institute of Technology in 1966 and a PhD in biochemistry from the University of California, Berkeley, in 1972. He joined Cetus in 1979. In 1986, he became the director of molecular biology at Xytronyx. And starting in 1987, he worked as a consultant on nucleic acid chemistry for multiple companies.

He is survived by his wife, three children, and two grandchildren.

<https://cen.acs.org/static/about/aboutus.html>

This entry was posted in [Uncategorized](#). Bookmark the [permalink](#).

← [WEATHER WARFARE IN THE GULF: Is Hurricane Delta yet another geoengineered weather weapon aimed at the conservative Deep South??](#)

VIDEO LINKS

Kary Mullis explains PCR <https://youtu.be/ZmZft4fXhQQ>

Kary Mullis PCR Inventor **Calls Dr Fauci a Fraud** https://youtu.be/cTWN_PJ8t2o

11.6 Clinton AMP Covid-19 PCR TESTS

Note: There are a range of COVID-19 Tests available which can be used to do tests and collect data. It also provides statistical data which is what decisions are based on. How can they be accurate if the inventor Kary Mullis indicated they couldn't pick up viruses just viral fragments. So why are they using PCR tests? It is the cases they want. Perhaps they are gathering DNA data profiles. There will be money in the devices and if the focus is on cases not deaths then testing becomes important.

Arkansas is ending the month of **September with more than 287,000 COVID-19 performed** throughout the state.

In total, there have been 287,843 tests performed during September. This total combines the number of **PCR and antigen tests** performed in Arkansas.

However, this total, provided by the **Arkansas Department of Health**, does not appear to count the tests performed on Sept. 30.

The PCR test total is 265,224, and the antigen test total is 22,619. This is an increase of 8,184 PCR tests from yesterday and an increase of 1,405 antigen tests.

On Wednesday, Sept. 30, the Department of Health **reported 942 new COVID-19 cases**, bringing the state's total to 83,697. There are 80,610 cumulative confirmed cases with 3,087 probable cases.

Confirmed active cases currently total 6,373, and there are **636 probable active cases**. This brings the total number of active cases to 7,009, an increase of 49 from yesterday.

"Today's numbers show a continued decline in our 7-day positivity rate with consistently high testing numbers each day. We have administered over **1 million COVID-19 tests since March** and we have the infrastructure and supplies to increase our capacity as needed," Gov. Asa Hutchinson said in a statement.

[READ MORE: Arkansas Remains COVID-19 Red Zone According to White House Report](#)

11.6.1.1 BOMBHELL: WHO Coronavirus PCR Test Primer Sequence is Found in All Human DNA

Primers and probes

Name	Sequences (5'-3')	Length (bases)	PCR product size	Ref.
RdRp gene / nCoV_IP2				
nCoV_IP2-12669Fw	ATGAGCTTAGTCTGTG	17	108 bp	1
nCoV_IP2-12759Rv	CTCCCTTTGTTGTGTTGT	18		
nCoV_IP2-12696bProbe(+)	AGATGTCTTGTGCTGCCGGTA [5']Hex [3']BHQ-1	21		
RdRp gene / nCoV_IP4				
nCoV_IP4-14059Fw	GGTAACTGGTATGATTTTCG	19	107 bp	1
nCoV_IP4-14146Rv	CTGGTCAAGGTTAATATAGG	20		
nCoV_IP4-14084Probe(+)	TCATACAAACCACGCCAGG [5']Fam [3']BHQ-1	19		
E gene / E_Sarbeco				
E_Sarbeco_F1	ACAGGTACGTTAATAGTTAATAGCGT	18	125 bp	2
E_Sarbeco_R2	ATATTGCAGCAGTACGCACACA	20		
E_Sarbeco_P1	ACACTAGCCATCCTTACTGCGCTTCG [5']Fam [3']BHQ-1	20		

1/ National Reference Center for Respiratory Viruses, Institut Pasteur, Paris.

2/ Corman et al. Eurosurveillance¹

<https://pieceofmindful.com/2020/04/06/bombshell-who-coronavirus-pcr-test-primer-sequence-is-found-in-all-human-dna/>

This was important enough that I wanted to get it out immediately. My research into the NCBI database for nucleotide sequences has lead to a stunning discovery. One of the WHO primer sequences in the PCR test for SARS-CoV-2 is found in **all** human DNA!

The sequence "CTCCCTTTGTTGTGTTGT" is an 18-character **primer** sequence found in the **WHO coronavirus PCR testing protocol document**. The primer sequences are what get **amplified** by the PCR process in order to be detected and designated a **"positive"** test result. It just so happens this *exact same* 18-character sequence, verbatim, is **also found on Homo sapiens chromosome 8!** As far as I can tell, this means that the WHO test kits should **find a positive result in all humans**. Can anyone explain this otherwise?

I really cannot overstate the significance of this finding. At minimum, it should have a notable impact on test results.

[Download](#) ▾
 [GenBank](#)
[Graphics](#)
 Sort by: ▾

Homo sapiens chromosome 8, GRCh38.p12 Primary Assembly

Sequence ID: [NC_000008.11](#) Length: **145138636** Number of Matches: **3**

Range 1: [63648346 to 63648363](#)
[GenBank](#)
[Graphics](#)
▾ [Next Match](#) ▲ [Previous Match](#)

Score	Expect	Identities	Gaps	Strand
36.2 bits(18)	0.098	18/18(100%)	0/18(0%)	Plus/Plus

Features:
[438640 bp at 5' side: YTH domain-containing family protein 3 isoform X2](#)
[932428 bp at 3' side: class E basic helix-loop-helix protein 22](#)

```

Query    1          CTCCTTTGTTGTGTTGT    18
          |||
Sbjct    63648346  CTCCTTTGTTGTGTTGT    63648363
    
```

Homo sapiens chromosome 8, GRCh38.p12 Primary Assembly
 Sequence ID: NC_000008.11 Length: 145138636
 Range 1: 63648346 to 63648363 is "CTCCCTTTGTTGTGTTGT"

Update: After some effort, I have finally discovered a way to display proof (beyond my screenshots) that human chromosome 8 has this exact same 18-character sequence. Please try the link below. The sequence is shown at the bottom of the page.

[https://www.ncbi.nlm.nih.gov/nucleotide/NC_000008.11?report=genbank&log\\$=nuclalign&from=63648346&to=63648363](https://www.ncbi.nlm.nih.gov/nucleotide/NC_000008.11?report=genbank&log$=nuclalign&from=63648346&to=63648363)

11.6.2 The COVID-19 RT-PCR Test: How to Mislead All Humanity⁴⁰

It is time for everyone to come out of this negative trance, this collective hysteria, because famine, poverty, massive unemployment will kill, mow down many more people than SARS-CoV-2!

By Dr. Pascal Sacré

Global Research, November 15, 2020

Theme: Science and Medicine



Introduction: using a technique to lock down society

All **current propaganda** on the COVID-19 pandemic is based on an assumption that is considered obvious, true and no longer questioned:

Positive RT-PCR test means being sick with COVID. This assumption is misleading.

Very few people, including doctors, understand how a PCR test works.

RT-PCR means Real Time-Polymerase Chain Reaction.

In French, it means: *Réaction de Polymérisation en Chaîne en Temps Réel*.

In medicine, we use this tool mainly to **diagnose** a viral infection.

Starting from a clinical situation with the presence or absence of particular symptoms in a patient, we consider different diagnoses based on tests.

In the case of certain infections, particularly viral infections, we use the RT-PCR technique to confirm a diagnostic hypothesis suggested by a clinical picture.

We do not routinely perform RT-PCR on any patient who is overheated, coughing or has an inflammatory syndrome!

It is a laboratory, molecular biology technique of **gene amplification** because it looks for **gene traces** (DNA or RNA) by amplifying them.

⁴⁰ <https://www.globalresearch.ca/covid-19-rt-pcr-how-to-mislead-all-humanity-using-a-test-to-lock-down-society/5728483>

In addition to medicine, other fields of application are genetics, research, industry and forensics.

The technique is carried out in a **specialized laboratory**, it cannot be done in any laboratory, even a hospital. This entails a certain cost, and a delay sometimes of several days between the sample and the result.

Today, since the emergence of the new disease called COVID-19 (COrona VIRus Disease-2019), the RT-PCR diagnostic technique is used to define positive cases, confirmed as SARS-CoV-2 (**coronavirus responsible for the new acute respiratory distress syndrome called COVID-19**).

These positive cases are **assimilated** to COVID-19 cases, some of whom are hospitalized or even admitted to intensive care units.

Official postulate of our managers: positive RT-PCR cases = COVID-19 patients. [1]

This is the starting postulate, the premise of all official **propaganda**, which justifies all restrictive government measures: isolation, confinement, quarantine, mandatory masks, color codes by country and travel bans, tracking, social distances in companies, stores and even, even more importantly, in schools [2].

This misuse of RT-PCR technique is used as a relentless and intentional strategy by some governments, supported by scientific safety councils and by the dominant media, to justify excessive measures such as the **violation of a large number of constitutional rights, the destruction of the economy with the bankruptcy of entire active sectors of society**, the degradation of living conditions for a large number of ordinary citizens, under the **pretext** of a pandemic based on a number of positive RT-PCR tests, and **not on a real number of patients**.

Technical aspects: to better understand and not be manipulated

The PCR technique was developed by **chemist Kary B. Mullis in 1986**. Kary Mullis was awarded the **Nobel Prize in Chemistry in 1993**.

Although this is disputed [3], Kary Mullis himself is said to have criticized the interest of PCR as a diagnostic tool for an infection, especially a viral one.

He stated that if PCR was a good tool for research, it was a **very bad tool in medicine**, in the clinic [4].

Mullis was referring to the **AIDS virus** (HIV retrovirus or HIV) [5], before the COVID-19 pandemic, but this opinion on the **limitation of the technique in viral infections** [6], by its creator, cannot be dismissed out of hand; it must be taken into account!

PCR was perfected in 1992.

As the analysis can be performed in real time, continuously, it becomes RT (Real-Time) – PCR, even more efficient.

It can be done from any molecule, including those of the living, the nucleic acids that make up the genes:

DNA (deoxyribonucleic acid)

RNA (Ribonucleic Acid)

Viruses are not considered as "living" beings, they are packets of information (DNA or RNA) forming a genome.

It is by an **amplification technique** (multiplication) that the molecule sought is highlighted and this point is very important.

RT-PCR is an amplification technique [7].

If there is DNA or RNA of the desired element in a sample, it is not identifiable as such.

This DNA or RNA **must be amplified** (multiplied) a certain number of times, sometimes a very large number of times, **before it can be detected**. From a minute trace, up to **billions of copies** of a specific sample can be obtained, but this does not mean that there is all that amount in the organism being tested.

In the case of COVID-19, the element sought by RT-PCR is **SARS-CoV-2, an RNA virus** [8].

There are DNA viruses such as Herpes and Varicella viruses.

The most well known RNA viruses, in addition to coronaviruses, are Influenza, Measles, EBOLA, ZIKA viruses.

In the case of SARS-CoV-2, RNA virus, an additional specific step is required, a transcription of RNA into DNA by means of an enzyme, Reverse Transcriptase.

This step precedes the amplification phase.

It is not the whole virus that is identified, but sequences of its viral genome.

This does not mean that this gene sequence, a fragment of the virus, is not specific to the virus being sought, but it is an important nuance nonetheless:

RT-PCR does not reveal any virus, but only parts, specific gene sequences of the virus.

At the beginning of the year, the SARS-CoV-2 genome was sequenced.

It consists of about **30,000 base pairs**. The nucleic acid (DNA-RNA), the component of the genes, is a sequence of bases. In comparison, the human genome has more than 3 billion base pairs.

Teams are continuously monitoring the evolution of the SARS-CoV-2 viral genome as it evolves [9-10-11], through the mutations it undergoes. Today, there are **many variants** [12].

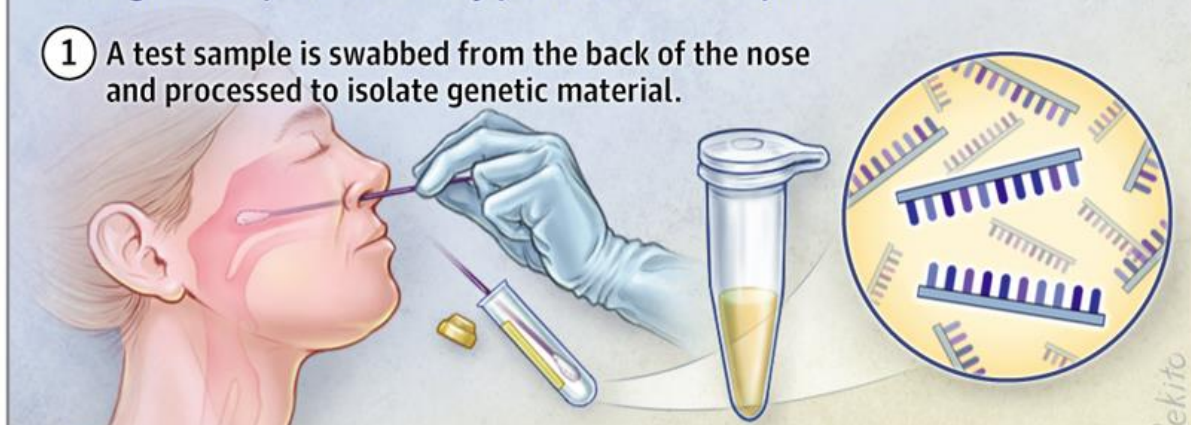
By taking a **few specific genes** from the SARS-CoV-2 genome, it is possible to initiate RT-PCR on a sample from the respiratory tract.

For COVID-19 disease, which has a nasopharyngeal (nose) and oropharyngeal (mouth) entry point, the sample should be taken from the upper respiratory tract as deeply as possible in order to avoid contamination by saliva in particular.

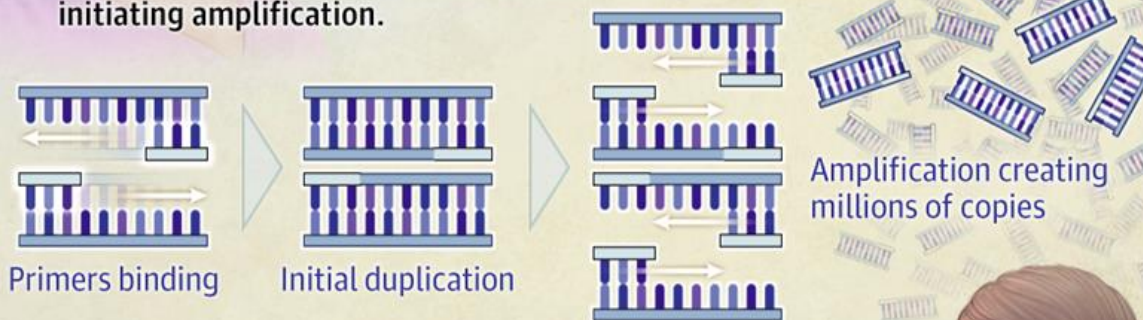
How does PCR testing for COVID-19 work?

Polymerase chain reaction (PCR) testing can detect even very small amounts of viral genetic material in a sample by duplicating it many times over through a complex laboratory process called amplification.

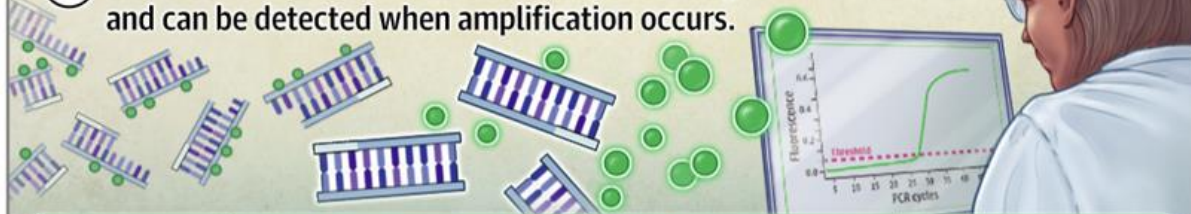
- 1 A test sample is swabbed from the back of the nose and processed to isolate genetic material.



- 2 Small pieces of specifically engineered genetic material, called primers, are introduced and bind to the isolated viral genetic material, initiating amplification.



- 3 Fluorescent markers bound to the copies during PCR are released and can be detected when amplification occurs.



Positive result : When there is viral genetic material in the sample, amplification occurs, releasing enough fluorescent markers to be detected.

Negative result : If there is no viral genetic material in the sample, amplification will not occur and no fluorescent markers will be detected.

All the people tested said that it is very painful [13].

The Gold Standard (preferred site for sampling) is the nasopharyngeal (nasal) approach, the most **painful** route.

If there is a contraindication to the nasal approach, or preferably to the individual being tested, depending on the official organs, the oropharyngeal approach (through the mouth) is also acceptable. The test may trigger a nausea/vomiting reflex in the individual being tested.

Normally, for the result of an RT-PCR test to be considered reliable, amplification from 3 different genes (primers) of the virus under investigation is required.

"The primers are single-stranded DNA sequences specific to the virus. They guarantee the specificity of the amplification reaction. » [14]

"The first test developed at La Charité in Berlin by Dr. Victor Corman and his associates in January 2020 allows to highlight the RNA sequences present in 3 genes of the virus called E, RdRp and N. To know if the sequences of these genes are present in the RNA samples collected, it is necessary to amplify the sequences of these 3 genes in order to obtain a signal sufficient for their detection and quantification. »[15].

The essential notion of Cycle Time or Cycle Threshold or Ct positivity threshold [16].

An RT-PCR test is **negative** (no traces of the desired element) or **positive** (presence of traces of the desired element).

However, even if the desired element is present in a **minute, negligible quantity**, the principle of RT-PCR is to be able to finally highlight it by **continuing the amplification** cycles as much as necessary.

RT-PCR can **push up to 60 amplification cycles**, or even more!

Here is how it works:

Cycle 1: target x 2 (2 copies)

Cycle 2: target x 4 (4 copies)

Cycle 3: target x 8 (8 copies)

Cycle 4: target x 16 (16 copies)

Cycle 5; target x 32 (32 copies)

Etc exponentially up to 40 to 60 cycles!

When we say that the Ct (Cycle Time or Cycle Threshold or RT-PCR positivity threshold) is equal to 40, it means that the laboratory has used 40 amplification cycles, i.e. obtained 2^{40} copies.

This is what underlies the **sensitivity** of the RT-PCR assay.

While it is true that in medicine we like to have high specificity and sensitivity of the tests to avoid false positives and false negatives, in the case of **COVID-19 disease**, this hypersensitivity of the RT-PCR test caused by the number of amplification cycles used has **backfired**.

This over-sensitivity of the RT-PCR test is **deleterious and misleading!**

It detaches us from the medical reality which must remain based on the real clinical state of the person: is the person ill, does he or she have symptoms?

That is the most important thing!

As I said at the beginning of the article, in medicine we always **start from the person**: we examine him/her, we collect his/her **symptoms** (complaints-anamnesis) and objective clinical signs (examination) and on the basis of a clinical reflection in which scientific knowledge and experience intervene, we make diagnostic hypotheses.

Only then do we prescribe the most appropriate tests, based on this clinical reflection.

We constantly **compare** the test results with the patient's clinical condition (symptoms and signs), which **takes precedence** over everything else when it comes to our decisions and treatments.

Today, our governments, supported by their scientific safety advice, are **making us do the opposite** and put the test first, followed by a clinical reflection necessarily influenced by this prior test, whose weaknesses we have just seen, particularly its hypersensitivity.

None of my clinical colleagues can contradict me.

Apart from very special cases such as genetic screening for certain categories of populations (age groups, sex) and certain cancers or family genetic diseases, we always work in this direction: from the person (symptoms, signs) to the appropriate tests, never the other way around.

This is the conclusion of an article in the Swiss Medical Journal (RMS) published in 2007, written by **doctors Katia Jaton and Gilbert Greub microbiologists from the University of Lausanne** :

PCR in microbiology: from DNA amplification to result interpretation:

"To interpret the result of a PCR, it is essential that clinicians and microbiologists share their experiences, so that the analytical and clinical levels of interpretation can be combined."

It would be indefensible to give everyone an electrocardiogram to screen everyone who might have a heart attack one day.

On the other hand, in certain clinical contexts or on the basis of specific evocative symptoms, there, yes, an electrocardiogram can be beneficial.

Back to RT-PCR and Ct (Cycle Time or Cycle Threshold).

In the case of an infectious disease, especially a viral one, the notion of contagiousness is another important element.

Since some scientific circles consider that an asymptomatic person can transmit the virus, they believe it is important to test for the presence of virus, even if the person is asymptomatic, thus extending the indication of RT-PCR to everyone.

Are RT-PCR tests good tests for contagiousness? [17]

This question brings us back to the notion of **viral load** and therefore Ct.

The relationship between contagiousness and viral load is disputed by some people [18] and no formal proof, to date, allows us to make a decision.

However, common sense gives obvious credence to the notion that the more virus a person has inside him or her, especially in the **upper airways** (oropharynx and nasopharynx), with symptoms such as coughing and sneezing, the **higher the risk** of contagiousness, proportional to the viral load and the importance of the person's symptoms.

This is called common sense, and although modern medicine has benefited greatly from the contribution of science through statistics and Evidence-Based Medicine (EBM), it is still based primarily on common sense, experience and empiricism.

Medicine is the art of healing.

No test measures the amount of virus in the sample!

RT-PCR is qualitative: positive (presence of the virus) or negative (absence of the virus).

This notion of **quantity, therefore of viral load**, can be estimated indirectly by **the number of amplification cycles (Ct) used to highlight the virus sought.**

The lower the Ct used to detect the virus fragment, the **higher the viral load** is considered to be (high).

The higher the Ct used to detect the virus fragment, the **lower the viral load** is considered to be (low).

Thus, the French National Reference Centre (CNR), in the acute phase of the pandemic, estimated that the peak of viral shedding occurred at the onset of symptoms, with an amount of virus corresponding to approximately **10⁸ (100 million) copies of SARS-CoV-2 viral RNA on average** (French COVID-19 cohort data) with a variable duration of shedding in the upper airways (from 5 days to more than 5 weeks) [19].

This number of 10⁸ (100 million) copies/μl corresponds to a **very low Ct.**

A Ct of 32 corresponds to 10-15 copies/μl.

A Ct of 35 corresponds to about 1 copy/μl.

Above Ct 35, it becomes **impossible to isolate a complete virus sequence** and culture it!

In France and in most countries, Ct levels above 35, even 40, are still used even today!

The French Society of Microbiology (SFM) issued an opinion on **September 25, 2020** in which it does not recommend quantitative results, and it recommends to make positive **up to a Ct of 37 for a single gene** [20]!

With 1 copy/ μ l of a sample (Ct 35), without cough, without symptoms, one can understand why all these **doctors and scientists say that a positive RT-PCR test means nothing**, nothing at all in terms of medicine and clinic!

Positive RT-PCR tests, without any mention of Ct or its relation to the presence or absence of symptoms, are used as is by our governments as the exclusive argument to apply and **justify their policy of severity, austerity, isolation and aggression of our freedoms, with the impossibility to travel, to meet, to live normally!**

There is no medical justification for these decisions, for these governmental choices!

In an article published on the website of the New York Times (NYT) on Saturday, August 29, American experts from **Harvard University are surprised** that RT-PCR tests as practiced can serve as tests of contagiousness, even more so as evidence of pandemic progression in the case of SARS-CoV-2 infection [21].

According to them, the threshold (Ct) considered results in **positive diagnoses** in people who **do not** represent any risk of transmitting the virus!

The binary "yes/no" answer is not enough, according to this epidemiologist from the Harvard University School of Public Health.

"It's the amount of virus that should dictate the course of action for each patient tested. »

The amount of virus (viral load); but also and above all the clinical state, symptomatic or not of the person!

This calls into question the use of the **binary result of this RT-PCR** test to determine whether a person is contagious and must follow strict isolation measures.

These questions are being raised by many physicians around the world, not only in the United States but also in France, Belgium (**Belgium Health Experts Demand Investigation Of WHO For Faking Coronavirus Pandemic**), France, Germany, Italy, the United Kingdom, the United States and the United Kingdom. in Germany, Spain...

According to them: "*We are going to put tens of thousands of people in **confinement**, in isolation, for nothing.* » [22]. 22] And inflict suffering, anguish, economic and psychological dramas by the thousands!

Most RT-PCR tests set the Ct at 40, according to the NYT. Some set it at **37**.

"*Tests with such high thresholds (Ct) may not only detect live virus but also gene fragments, remnants of an old infection that do not represent any particular danger,*" the experts said.

A virologist at the University of California admits that an RT-PCR test with a Ct greater than 35 is too sensitive. "A more reasonable threshold would be between 30 and 35," she adds.

Almost no laboratory specifies the Ct (number of amplification cycles performed) or the number of copies of viral RNA per sample μ l.

Here is an example of a laboratory result (approved by Sciensano, the Belgian national reference center) in an RT-PCR negative patient:

Analyse	Résultat
Biologie moléculaire	
Respiratoire - Aspiration nasopharyngée	
RT-qPCR SARS-CoV-2	• Non détecté ^[a]
<i>[a] Nouvelle méthode à partir du 30/07/2020</i>	
Remarques	
<p>• [1]</p> <p>[1] RECHERCHE DU SARS-CoV-2 PAR AMPLIFICATION GÉNIQUE</p> <p>Si résultat POSITIF: Présence du virus SARS-CoV-2 détectée dans le prélèvement; patient potentiellement contagieux.</p> <p>Si NON DETECTABLE: absence du virus dans le prélèvement.</p> <p>Causes éventuelles de faux-négatifs :</p> <ol style="list-style-type: none"> 1. La sécrétion variable du virus au niveau le nasopharynx au long de la journée peut entraîner des résultats faussement négatifs. En cas de forte suspicion clinique une confirmation sur un nouvel échantillon peut être réalisée. 2. Le virus peut devenir indétectable une à deux semaines après le début des symptômes 3. L'échantillon de prédilection est le frottis nasopharyngé profond. <p>Laboratoire reconnu par Sciensano (Institut de Santé Publique Belge) pour la réalisation d'analyses PCR SARS CoV-2.</p>	

No mention of Ct.

In the NYT, experts compiled three datasets with officials from the states of Massachusetts, New York and Nevada that mention them.

Conclusion?

"Up to 90% of the people who tested positive did not carry a virus. »

The Wadsworth Center, a New York State laboratory, analyzed the results of its July tests at the request of the NYT: 794 positive tests with a Ct of 40.

"With a Ct threshold of 35, approximately half of these PCR tests would no longer be considered positive," said the NYT.

"And about 70% would no longer be considered positive with a Ct of 30! "

In Massachusetts, between 85 and 90% of people who tested positive in July with a Ct of 40 would have been considered negative with a Ct of 30, adds the NYT. And yet, all these people had to isolate themselves, with all the dramatic psychological and economic consequences, while they were not sick and probably not contagious at all.

In France, the Centre National de Référence (CNR), the French Society of Microbiology (SFM) continue to push Ct to 37 and recommend to laboratories to use only one gene of the virus as a primer.

I remind you that from Ct 32 onwards, it becomes very difficult to culture the virus or to extract a complete sequence, which shows the completely artificial nature of this positivity of the test, with such high Ct levels, above 30.

Similar results were reported by researchers from the UK Public Health Agency in an article published on August 13 in Eurosurveillance: *"The probability of culturing the virus drops to 8% in samples with Ct levels above 35."* [23]

In addition, currently, the National Reference Center in France only evaluates the sensitivity of commercially available reagent kits, not their specificity: serious doubts persist about the possibility of cross-reactivity with viruses other than SARS-CoV-2, such as other benign cold coronaviruses. [20]

It is potentially the same situation in other countries, including Belgium.

Similarly, mutations in the virus may have invalidated certain primers (genes) used to detect SARS-CoV-2: the manufacturers give no guarantees on this, and if the AFP fast-checking journalists tell you otherwise, test their good faith by asking for these guarantees, these proofs.

If they have nothing to hide and if what I say is false, this guarantee will be provided to you and will prove their good faith.

We must demand that the RT-PCR results be **returned mentioning the Ct used** because beyond Ct 30, a positive RT-PCR test means nothing.

We must listen to the scientists and doctors, specialists, virologists who recommend the use of adapted **Ct, lower, at 30**. An alternative is to obtain the number of copies of viral RNA/ μ l or /ml sample. [23]

We need to go back to the patient, to the person, to his or her clinical condition (presence or absence of symptoms) and from there to judge the **appropriateness of testing** and the best way to interpret the result.

Until there is a better rationale for PCR screening, with a known and appropriate Ct threshold, an asymptomatic person should **not be tested in any way**.

Even a symptomatic person should not automatically be tested, as long as they can place themselves in isolation for 7 days.

Let's stop this debauchery of RT-PCR testing at too high Ct levels and return to clinical, quality medicine.

Once we understand how RT-PCR testing works, it becomes impossible to let the current government routine screening strategy, inexplicably supported by the virologists in the safety councils, continue.

My hope is that, finally, properly informed, more and more people will demand that this strategy be stopped, because it is all of us, enlightened, guided by real benevolence and common sense, who must **decide our collective and individual destinies**.

No one else should do it for us, especially when we realize that those who decide are no longer reasonable or rational.

Summary of important points :

The RT-PCR test is a laboratory diagnostic technique that is **not well suited to clinical medicine**.

It is a binary, qualitative diagnostic technique that confirms (positive test) or not (negative test) the presence of an element in the medium being analyzed. In the case of SARS-CoV-2, the element is a **fragment** of the viral genome, **not the virus itself**.

In medicine, even in an epidemic or pandemic situation, **it is dangerous to place tests, examinations, techniques above clinical evaluation** (symptoms, signs). It is the opposite that guarantees quality medicine.

The main limitation (weakness) of the RT-PCR test, in the current pandemic situation, is its extreme **sensitivity (false positive)** if a suitable threshold of positivity (Ct) is not chosen. Today, experts recommend using a maximum Ct threshold of 30.

This Ct threshold must be informed with the positive RT-PCR result so that the physician knows how to interpret this positive result, especially in an asymptomatic person, in order to avoid unnecessary isolation, quarantine, psychological trauma.

In addition to mentioning the Ct used, laboratories must continue to ensure the specificity of their detection kits for SARS-CoV-2, taking into account its most recent mutations, and must continue to use three genes from the viral genome being studied as primers or, if not, mention it.

Overall Conclusion

Is the obstinacy of governments to use the current disastrous strategy, systematic screening by RT-PCR, due to ignorance?

Is it due to stupidity?

To a kind of cognitive trap trapping their ego?

In any case, **we should be able to question them**, and if among the readers of this article there are still honest journalists, or naive politicians, or people who have the possibility to **question our rulers**, then do so, using these clear and scientific arguments.

It is all the more incomprehensible that our rulers have surrounded themselves with some of the most experienced specialists in these matters.

If I have been able to gather this information myself, shared, I remind you, by competent people above all suspicion of conspiracy, such as H  l  ne Banoun, Pierre Sonigo, Jean-Fran  ois Toussaint, Christophe De Brouwer, whose intelligence, intellectual honesty and legitimacy cannot be questioned, then the Belgian, French and Quebec scientific advisors, etc., know all this as well.

So?

What's going on?

Why continue in this distorted direction, obstinately making mistakes?

It is not insignificant to reimpose confinements, curfews, quarantines, reduced social bubbles, to shake up again our shaky economies, to plunge entire families into precariousness, to sow so much fear and anxiety generating a real state of post-traumatic stress worldwide, to reduce access to care for other pathologies that nevertheless reduce life expectancy much more than COVID-19! [24]

Is there intent to harm?

Is there an intention to use the alibi of a pandemic to move humanity towards an outcome it would otherwise never have accepted? In any case, not like that!

Would this hypothesis, which modern censors will hasten to label "conspiracy", be the most valid explanation for all this?

Indeed, if we draw a straight line from the present events, if they are maintained, we could find ourselves once again confined with hundreds, thousands of human beings forced to remain inactive, which, for the professions of catering, entertainment, sales, fairgrounds, itinerants, canvassers, risks being catastrophic with bankruptcies, unemployment, depression, suicides by the hundreds of thousands. [25-26-27-28]

The impact on education, on our children, on teaching, on medicine with long planned care, operations, treatments to be cancelled, postponed, will be profound and destructive.

"We risk a looming food crisis if action is not taken quickly." [29].

It is time for everyone to come out of this negative trance, this collective hysteria, because famine, poverty, massive unemployment will kill, mow down many more people than SARS-CoV-2!

Does all this make sense in the face of a disease that is declining, over-diagnosed and misinterpreted by this misuse of overly sensitively calibrated PCR tests?

For many, the continuous **wearing of the mask** seems to have become a new norm.

Even if it is constantly downplayed by some health professionals and fact-checking journalists, other doctors warn of the harmful consequences, both medical and psychological, of this hygienic obsession which, maintained permanently, is in fact an **abnormality!**

What a hindrance to social relations, which are the true foundation of a physically and psychologically healthy humanity!

Some dare to find all this normal, or a lesser price to pay in the face of the pandemic of positive PCR tests.

Isolation, distancing, masking of the face, impoverishment of emotional communication, fear of touching and kissing even within families, communities, between relatives...

Spontaneous gestures of daily life hindered and replaced by mechanical and controlled gestures ...

Terrified children, kept in permanent fear and guilt...

All this will have a deep, lasting and negative impact on human organisms, in their physical, mental, emotional and representation of the world and society.

This is **not normal!**

We cannot let our rulers, for whatever reason, **organize our collective suicide** any longer.

Translated from French by Global Research. Original source: Mondialisation.ca

Dr Pascal Sacré is a physician specialized in critical care, author and renowned public health analyst, Charleroi, Belgium. He is a Research Associate of the Centre for Research on Globalization (CRG)

Professionals whose references and comments are the basis of this article in its scientific aspect (especially and mainly on RT-PCR):

1) Hélène Banoun

https://www.researchgate.net/profile/Helene_Banoun

PhD, Pharmacist biologist

Former INSERM Research Officer

Former intern at the Paris Hospitals

2) Pierre Sonigo

Virologist

Research Director INSERM, worked at the Pasteur Institute

Heads the Virus Genetics Laboratory in Cochin, Paris.

Participated in 1985 in the sequencing of the AIDS virus.

3) Christophe De Brouwer

PhD in Public Health Science

Honorary Professor at the School of Public Health at ULB, Belgium

4) Jean-François Toussaint

Doctor, Professor of Physiology at the University of Paris-Descartes

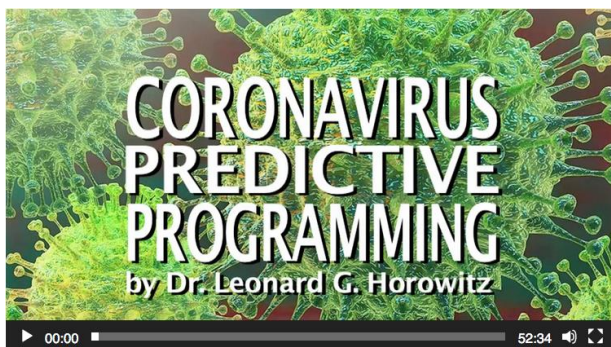
Director of IRMES, Institute for BioMedical Research and Sports Epidemiology

Former member of the High Council of Public Health

11.6.3 Dr Horowitz and Coronavirus Negligence

Note: A leading lab virus expert, Dr. Leonard G. Horowitz, has slammed international "crisis capitalists" for neglecting, downplaying, and misdirecting the media and governments' responses to the coronavirus pandemic that is expanding and risking millions of lives. Neglecting the doctor's accurate and relentless warnings, that the risk to public health and safety of a lab virus out-breaking into a deadly pandemic was immanent, a group of preparedness experts met in October, 2019, to predict what would happen following a coronavirus outbreak that suspiciously occurred two months later. This was the World Economic Forum Event 201. An interesting insight in the article reveals: "...Years ago, the United Nations AIDS Study Group censored Horowitz's scientific publications. Thereby, the U.N. protected vaccine industrialists who were similarly indicted by the doctor's AIDS virus discoveries. Horowitz's Harvard research reviewed scientific evidence showing the earliest hepatitis B vaccines transmitted the first AIDS cases. Since then, the plague has grown to kill more than 40 million people worldwide..." Dr Horowitz indicts the Deep State Big Pharma and alleges they are a criminal cartel risking life.

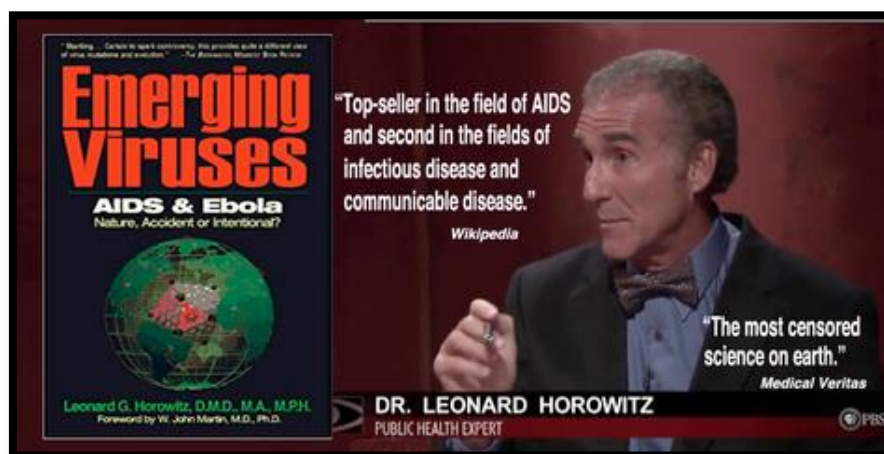
Leading Lab Virus Expert Slams 'Crisis Capitalists' and Governments Over Coronavirus Negligence



Las Vegas, NV—A leading lab virus expert, [Dr. Leonard G. Horowitz](#), has slammed international "crisis capitalists" for neglecting, downplaying, and misdirecting the media and governments' responses to the coronavirus pandemic that is expanding and risking millions of lives.

Accurate predictions were urgently issued over the past quarter century by Horowitz, who is an internationally-renowned Harvard-trained author of the top-selling book in the field of [Emerging Viruses: AIDS & Ebola—Nature, Accident or Intentional?](#) according to Wikipedia and Amazon.

[Accident or Intentional?](#) according to Wikipedia and Amazon.

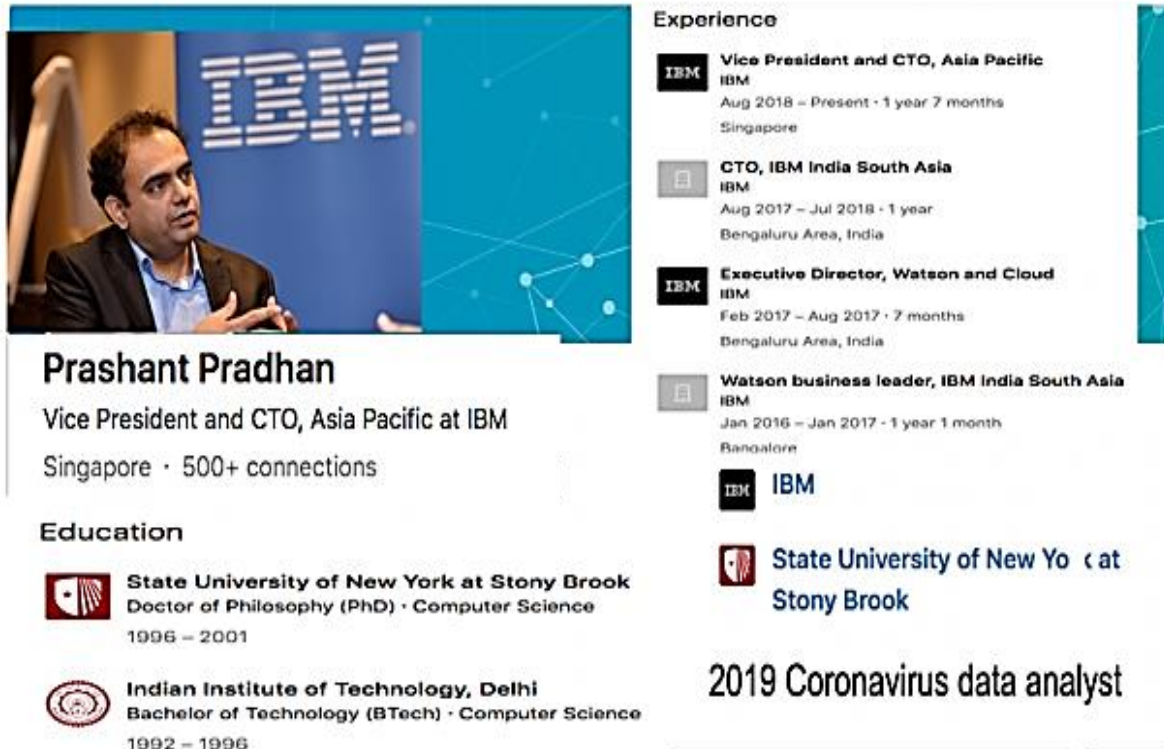


Neglecting the doctor's [accurate and relentless warnings](#), that the risk to public health and safety of a lab virus out-breaking into a deadly pandemic was immanent, a group of preparedness experts met in October, 2019, to predict what would happen following a coronavirus outbreak that suspiciously occurred two months later.

Horowitz has been the world's most prolific, vocal, and generally-censored critic of biotechnology, genetic engineering, and bio-weapons research and development. He has argued in numerous books, films, science papers, and legislative hearings since 1996 that **HIV/AIDS, for instance, broke out from science labs administered by a group of cancer and vaccine industrialists.**

Now, the "reckless negligence" has resulted in a massive number of deaths, just as Horowitz forewarned, as corroborated by [new genetic analyses published](#) by a team of gene-sequencing experts affiliated with the

Indian Institute of Technology (IIT), the University of New Delhi, IBM, and New York University at Stonybrook. The team’s nine experts, led by Prashant Pradham, the Chief Technical Officer for IBM in Asia, used the WATSON computer to identify a ‘smoking-gun’ in the new coronavirus.



Prashant Pradhan
 Vice President and CTO, Asia Pacific at IBM
 Singapore · 500+ connections

Experience

- IBM** **Vice President and CTO, Asia Pacific**
 IBM
 Aug 2018 – Present · 1 year 7 months
 Singapore
- IBM** **CTO, IBM India South Asia**
 IBM
 Aug 2017 – Jul 2018 · 1 year
 Bengaluru Area, India
- IBM** **Executive Director, Watson and Cloud**
 IBM
 Feb 2017 – Aug 2017 · 7 months
 Bengaluru Area, India
- IBM** **Watson business leader, IBM India South Asia**
 IBM
 Jan 2016 – Jan 2017 · 1 year 1 month
 Bangalore

Education

- State University of New York at Stony Brook**
 Doctor of Philosophy (PhD) · Computer Science
 1996 – 2001
- Indian Institute of Technology, Delhi**
 Bachelor of Technology (BTech) · Computer Science
 1992 – 1996

2019 Coronavirus data analyst

The IIT study found an AIDS-virus envelope gene that could only have joined the coronavirus through **genetic mutations** engineered in a lab, such as the one in Wuhan.

Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag

Prashant Pradhan^{\$1,2}, Ashutosh Kumar Pandey^{\$1}, Akhilesh Mishra^{\$1}, Parul Gupta¹, Praveen Kumar Tripathi¹, Manoj Balakrishnan Menon¹, James Gomes¹, Perumal Vivekanandan^{*1} and Bishwajit Kundu^{*1}

¹Kusuma School of biological sciences, Indian institute of technology, New Delhi-110016, India.

²Acharya Narendra Dev College, University of Delhi, New Delhi-110019, India

^{\$}Equal contribution

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vperumal@bioschool.iitd.ac.in

Abstract:

We are currently witnessing a major epidemic caused by the 2019 novel coronavirus (2019-nCoV). The evolution of 2019-nCoV remains elusive. We found 4 insertions in the spike glycoprotein (S) which are unique to the 2019-nCoV and are not present in other coronaviruses. Importantly, amino acid residues in all the 4 inserts have identity or similarity to those in the HIV-1 gp120 or HIV-1 Gag. Interestingly, despite the inserts being discontinuous on the primary amino acid sequence, 3D-modelling of the 2019-nCoV suggests that they converge to constitute the receptor binding site. The finding of 4 unique inserts in the 2019-nCoV, all of which have identity /similarity to amino acid residues in key structural proteins of HIV-1 is unlikely to be fortuitous in nature. This work provides yet unknown insights on 2019-nCoV and sheds light on the evolution and pathogenicity of this virus with important implications for diagnosis of this virus.

"There's now no doubt the 2019 coronavirus is a lab virus," Dr. Horowitz says, vindicated against [skeptics](#) by Pradham's study.

Censoring Coronavirus Intelligence

Coronavirus Predictive Programming is a 52-minute docu-commentary freely viewable online at RevolutionTelevision.net. The public education production is presented courtesy of award-winning filmmaker Horowitz in association with Medical Veritas International Inc.

[**Editor’s Note:** Facebook censored a link and discussion about this film, as shown in the adjacent screenshot. Therefore, we ask you to help spread this video.]



Your comment goes against our Community Standards on spam

No one else can see your comment. We have these standards to prevent things like false advertising, fraud and security breaches.

See More ∨



Sherri Kane

Christy Fritz-Parker <https://revolutiontelevision.net/video/coronavirus-predictive-programming/>



on T **Coronavirus Predictive Programming**
revolutiontelevision.net



The facts presented in *Coronavirus Predictive Programming* condemn officials' "reckless negligence" and ongoing censorship.

Coronavirus censorship is not only "un-American" but also genocidal as Dr. Horowitz explains in the film.

Several previous lab virus outbreaks, and the expanding risk of "mutigenic" germs recombining and intertwining their DNA with deadlier germs (also enabling cross-species jumping), is now proven to have happened to generate the coronavirus pandemic, as Horowitz and few others forewarned.

"The establishment, or 'ruling elite,' properly called the 'Deep State,' has placed civilization at **risk of extinction**," Dr. Horowitz evidences.

"The censorship surrounding this subject is unconscionable and criminal," he adds.

Coronavirus Predictive Programming

Media requests prompted the doctor to conduct a detailed analysis of the coronavirus planning conference held in New York in October, 2019, called *Event 201*. That "exercise" was sponsored by the World Economic Forum, Bill & Melinda Gates Foundation, and Johns Hopkins University.



Each sponsor was **financed by corporations** profiting from genetically-engineered vaccines, anti-viral drugs, and plagues.

In *Coronavirus Predictive Programming*, Horowitz condemns those who **profit from misinforming** citizens as well as "brain-washed" health officials complicit with disease planners and profiteers. Combined, they commit '*pan-genocide*.'

"People are dying as a result of officials who recklessly neglect common sense and scientific evidence, **undermining** humanity's health and safety.

"The message in this film is you'd have to be an idiot or imbecile to trust leading health officials who jeopardize humanity for multinational corporate payoffs."

Industry-wide Scientific Censorship is Criminal

18 U.S. Code § 1519 criminalizes covering-up or falsifying evidence known to be important in current or pending investigations.

This law states, "Whoever knowingly alters, destroys, mutilates, conceals, covers up, falsifies, or makes a false entry in any record, document, or tangible object with the intent to impede, obstruct, or influence the investigation or proper administration of any matter within the jurisdiction of any department or agency of the United States . . . or in relation to or contemplation of any such matter or case, shall be fined under this title, imprisoned not more than 20 years, or both."

Given this law, it clear that the **Event 201 sponsors**, planners, and administrators, along **with Internet censors** including Facebook's Mark Zuckerberg, should be **indicted by a grand jury** for:

- (1) willfully concealing the most dangerous and damaging source of modern plagues—labs and lab viruses;
- (2) willfully concealing the fact that genetically-engineered lab viruses are highly unstable, and as bioweapons they readily jump species and recombine with other potentially more deadly viruses; and
- (3) willfully concealed that in this modern age of terrorism and bioterrorism, saboteurs release viruses or deadly bacteria for geopolitical and financial gains.

Concealing this intelligence makes these agents complicit in the global genocide.

Event 201 officials, like Facebook officials, intended to **conceal these facts** in order to keep their jobs. As 'submissive' and 'evil obedient' agents of the **Deep State's drug cartel**, they are part of the enterprise that aids-and-abets industry profits and humanity's suffering. By willful blindness they advance profitable depopulation programs, products and services.

"That's the commercial equivalent of selling your soul to the devil," Horowitz explains.

The Event 201 officials committed these acts and the aforementioned evidence tampering to protect their paymasters.

The Event 201 officials correctly predicted the coronavirus pandemic. They knowingly published their conference proceedings, knowing it was being recorded for use in official investigations, trials, or proceedings. They were aware that by omitting, neglecting, censoring, and obscuring this evidence, their officials, companies, and agencies would be "safe-harboring" devil-doing, and financially benefiting the event's sponsors, by concealing the most substantive facts.

Concealing evidence is profitable, politically-influential, and committed by officials and media propagandists to secret '**crisis capitalists**,' their hidden agendas, and their saboteurs.

Damage Caused by Scientific Evidence Tampering

The damage caused by this criminal cartel is unprecedented. It strains credulity. This global enterprise controls the mega-businesses and intelligence agencies internationally.

Case in point: Years ago, the United Nations AIDS Study Group censored Horowitz's scientific publications. Thereby, the U.N. protected vaccine industrialists who were similarly indicted by the doctor's AIDS virus discoveries.

Horowitz's Harvard research reviewed scientific evidence showing the earliest hepatitis B vaccines transmitted the first AIDS cases. Since then, the plague has grown to kill more than 40 million people worldwide.

Imagine the toll this genocide has taken on the victims families, on communities and society, on the global economy—losing that many people, precluding their productivity and service to others.

Horowitz's AIDS original research was independently corroborated by dermatology expert, [Alan Cantwell](#), who began studying the first AIDS patients presenting with the never-before-seen leukemia-lymphoma-sarcoma cancer complex.

"The only question is which lab created it?" Horowitz asks, referencing the "novel" coronavirus.

"We can't presume the virus was produced by China, even though it was wrongly said to have sourced from a seafood market in Wuhan," Horowitz discerned.

"Now, with Pradham's study, we can dismiss much 'counter-intelligence' including the snake and bat suspects."

All that appears to have been **'fake news' broadcast to divert from the lab virus origin of the new coronavirus.**

And this fake news compounds evidence of official Deep State malfeasance demonstrated by the **unprecedented quarantining of millions of people**, unlike typical flus. Authorities are obviously concerned about this coronavirus like never before.

Why?

Because it is unstable, mutates readily and rapidly, jumps between many species, and can pick up genes from more deadly viruses, such as H5N1, to potentially kill more than half of those infected. **Minorities and impoverished people without access** to resources and quality care would be doomed by such a mutation.

"That's what officials are concealing by their actions that speak louder than their words," Horowitz concludes.

Dr. Horowitz's conclusions, comments and questions follow a controversial report by [G News](#) that alleged Chinese officials would "admit that the real source of the coronavirus is from 'a lab in Wuhan (China)' **linked to its covert biological weapon programs.**" That article was deemed "false" by [Politifact](#).

Yet, serious questions remain unanswered.

Dr. Horowitz produced *Coronavirus Predictive Programming* for [MedicalVeritas.org](#) to teach people to **distrust** 'fake news' media pundits, network liars, and recklessly negligent government officials who **spread fear for profit rather than giving life-saving advice to boost natural immunity.**

Besides spreading viruses and misinformation, Dr. Horowitz says, "**Simple self-care instructions and low cost solutions that could save millions of lives** are recklessly neglected."

-End-

11.7 Why Do 500+ Medical Doctors say the Pandemic is a Crime?

Note: As we know the new COVID-19 disease appeared in China towards the end of 2019. Therefore it was named COVID-19 which is an acronym for Corona Virus Disease 2019. Data from the World Integrated Trade Solution, however, shows something astonishing: "in 2017 and 2018 – two years before COVID-19 – hundreds of millions of test kits for COVID-19 were distributed worldwide." The author asks: "Why do these 500+ medical doctors say the pandemic is a global crime? What do they know, that we don't? 'Covid-19 is a false pandemic created for political purposes. This is a world dictatorship with a sanitary excuse. We urge doctors, the media and political authorities to stop this criminal operation, by spreading the truth.'... Furthermore: "...In the USA a documentary called PLANDEMIC, exposes COVID-19 as a criminal operation, is supported by over 27,000 medical doctors!". The film is featured in this report.

Why Do these 500+ medical doctors say the pandemic is a global Crime?

Germany and Spain are just two examples. Similar large groups of hundreds of medical experts exist in countries across the world.

In the USA a documentary called PLANDEMIC, which exposes COVID-19 as a criminal operation, is supported by over 27,000 medical doctors!

Why are these thousands of medical professionals worldwide saying the pandemic is a crime? What information do they have access to, that we are not getting from the mainstream media?

I invite you to look at the following facts with an open mind and then come to your own conclusions...

Millions Of COVID-19 Test Kits Sold In 2017 And 2018

As we know the new COVID-19 disease appeared in China towards the end of 2019. Therefore it was named **COVID-19 which is an acronym for Corona Virus Disease 2019.**

Data from the [World Integrated Trade Solution](#), however, shows something astonishing:

"in 2017 and 2018 – two years before COVID-19 – hundreds of millions of test kits for COVID-19 were distributed worldwide."

Zoom in for closer look. It appears the COVID-19 was already named in 2017 if this data is accurate and the COVID-19 test kits were shipped to key countries such as EU, USA, Germany, Japan, China and Hong Kong. It is the same product code. The kits are called COVID-19 Diagnostic Test instruments and apparatus for amounts ranging from \$647,604,660,000 (\$647,604, 66K ('000)) to \$2,646,826.94K ('000). These amounts are in the **billions**. They seem very large amounts. Unless it was a way of **funding (payoff)** the countries as exports. If we look at the next patent it says it is a **investment project financing**. The countries who received huge payments were: European Union, United States, Germany, Japan, China (including Hong Kong). If we look at the US and the per unit price (kits, apparatus, instruments) it is \$2,311,980,000/2,628,910=\$879. So they ordered over 2 million kits, was this to pilot test during the US flu season? If we look at HK \$608,274/6,962,400=0.087 per unit. Why the difference? US \$879 per unit for presumably the same product and HK 0.087 (8 cents). Same product code. Why was the order higher for Hong Kong? It seems to align with the population size. A pilot on Hong Kong? SARS was a lab created virus.

Could Hong Kong have something to do with the democracy protests? Practicing electronic tracing of protestors, how they respond to totalitarianism, how they organise, the tactics. It is noteworthy that a Chinese warship floated into Sydney Harbour without warning on the day of Tiananmen Square anniversary. So democracy is the enemy?

2017 was the year that Dr Anthony Fauci said there would definitely be pandemics in the future. Another question is the partner "World" The World Economic Forum?

COVID-19 Diagnostic Test instruments and apparatus (902780) exports by country in 2017

Additional Product information: Instruments used in clinical laboratories for In Vitro Diagnosis. Colorimetric end tidal CO2 detector, sizes compatible with child and adult endotracheal tube. Single use.

Category: COVID-19 Test kits/ Instruments, apparatus used in Diagnostic Testing

In 2017, Top exporters of COVID-19 Diagnostic Test instruments and apparatus are European Union (\$2,646,826.94K), United States (\$2,311,980.25K, 2,628,910 Item), Germany (\$2,152,116.86K), Japan (\$1,176,454.27K), China (\$647,604.66K).

COVID-19 Diagnostic Test instruments and apparatus Imports by country in 2017

Reporter	TradeFlow	ProductCode	Product Description	Year	Partner	Trade Value 1000USD	Quantity	Quantity Unit
European Union	Export	902780	COVID-19 Diagnostic Test instruments and apparatus	2017	World	2,646,826.94		
United States	Export	902780	COVID-19 Diagnostic Test instruments and apparatus	2017	World	2,311,980.25	2,628,910	Item
Germany	Export	902780	COVID-19 Diagnostic Test instruments and apparatus	2017	World	2,152,116.86		
Japan	Export	902780	COVID-19 Diagnostic Test instruments and apparatus	2017	World	1,176,454.27		
China	Export	902780	COVID-19 Diagnostic Test instruments and apparatus	2017	World	647,604.66		
Hong Kong, China	Export	902780	COVID-19 Diagnostic Test instruments and apparatus	2017	World	608,274.17	6,962,400	Item

This baffling data was discovered by someone on **September 5, 2020**, who posted it on social media. The next day it went viral all over the world.

On September 6 the WITS suddenly changed the original designation 'COVID-19' into the vague 'Medical Test Kits'.

This is not allowed in trade, because you always have to be specific. There are many types of test kits for different diseases.

The fact that they removed the specification 'COVID-19', after this data became known worldwide, **proves that they don't want anyone to know** about it.

They however forgot to delete one detail: the product code for these 'Medical Test Kits' is **300215 which means: 'COVID-19 Test Kits'**.

In 2015 a 'System and Method for Testing for COVID-19' was patented by **Richard Rothschild**, with a **Dutch** government organisation.

Note: Environmental and Social Risk Classification: SUBSTANTIAL

Did you catch that? In 2015 – **four years before the disease even existed** – a testing method for COVID-19 was developed. (2B)

source | documents1.worldbank.org/curated/en/993371585947965984/pdf/World-COVID-19-Strategic-Preparedness...

Country(ies)	Project Name	
World	COVID-19 Strategic Preparedness and Response Program (SPRP)	
Project ID	Financing Instrument	Environmental and Social Risk Classification
P173789	Investment Project Financing	Substantial
Financing & Implementation Modalities		
<input checked="" type="checkbox"/>	Multiphase Programmatic Approach (MPA)	Emergency Response Component (CERC)
<input type="checkbox"/>	Series of Projects (SOP)	
<input type="checkbox"/>	Disbursement-linked Indicators (DLIs)	
<input type="checkbox"/>	Financial Intermediaries (FI)	
<input type="checkbox"/>	Project-Based Guarantee	
<input type="checkbox"/>	Deferred Drawdown	Human-made Disaster
<input type="checkbox"/>	Alternate Procurement Arrangements (APA)	
Expected Project Approval Date	Expected Project Closing Date	Expected Program Closing Date
02-Apr-2020	<u>31-Mar-2025</u>	31-Mar-2025
Bank/IFC Collaboration		
No		



There it is readers you will have to put up with the **Coronahoax until at least 2025**, that is of course unless you take the matter into your own hands.....

11.8 Corona Extra Parliamentary Inquiry: “We Have A Lot of Evidence That It’s A Fake Story All Over The World” – German Doctors on COVID-19

Note: Doctors are coming out to counter the World Health Organisation to find their views are being shutdown. The misinformation then appears to be coming from those in authority. Notable extracts from the article: “...Why are so many professionals and experts in the field being censored, ridiculed and shut down by organizations like the WHO? Should we not have the right to examine information openly, freely, and transparently? Is this article ‘fake news?’ No, because the statement in the title that reads “we have a lot of evidence that it’s a fake story all over the world” is an actual quote from a representative of the group discussed in the article. The statement was said. Whether or not what the quote says is true, on the other hand, is up for you to decide or according to multiple governments, is up for the World Health Organization (WHO) to decide. Is the title misleading or inaccurate? No, again, it’s a direct quote and represents the opinion of multiple health professionals. Are these health professionals implying that COVID-19 is a fake virus? No, they are simply implying that it’s not as dangerous as it’s being made out to be, and I summarize some of that information below that has them coming to that conclusion. These doctors and scientists are being heavily censored across all social media platforms, and those who write about them are experiencing the same. Many of the claims these doctors make have been ‘debunked’ by mainstream media, federal health regulatory agencies and ‘fact-checkers’ that are patrolling the internet. Any information that does not come from the (WHO) is not considered reliable, truthful or accurate... As the Corona-Extra-Parliamentary Inquiry Committee, we will investigate why these restrictive measures were imposed upon us in our country as part of COVID-19, why people are suffering now and whether there is proportionality of the measures to this disease caused by the SARS-COV-2 virus. We have serious doubts that these measures are proportionate. This needs to be examined, and since the parliaments – neither the opposition parties nor the ruling parties – have not convened a committee and it is not even planned, it is high time that we took this into our own hands. We will invite and hear experts here in the Corona speaker group. These are experts from all areas of life: Medicine, social affairs, law, economics and many more. (source)...

I also think it’s important to mention that a report published in the British Medical Journal has suggested that quarantine measures in the United Kingdom as a result of the new coronavirus may have already killed more UK seniors than the coronavirus has during the peak of the virus...titled “Physicians for Informed Consent (PIC) Compares COVID-19 to Previous Seasonal and Pandemic Flu Periods.” According to them, the infection/fatality rate of COVID-19 is 0.26%. You can read more about that and access their resources and reasoning here.

John P. A. Ioannidis, a professor of medicine and epidemiology at Stanford University has said that the infection fatality rate “is close to 0 percent” for people under the age of 45 years old. You can read more about that here. He and several other academics from the Stanford School of Medicine suggest that COVID-19 has a similar infection fatality rate as seasonal influenza, and published their reasoning in a study last month. You can find that study and read more about that story here.

Michael Levitt, a Biophysicist and a professor of structural biology at Stanford University criticized the WHO as well as Facebook for censoring different information and informed perspectives regarding the Coronavirus and has claimed that, with regards to lockdown measures, that “the level of stupidity going on here is amazing.” You can read more about this here.

Dr. Sucharit Bhakdi, a specialist in microbiology and one of the most cited research scientists in German history is also part of Corona Extra-Parliamentary Inquiry Committee mentioned above and has also expressed the same thing, multiple times early on in the pandemic all the way up to today.


Implementation of the current draconian measures that are so extremely restrict fundamental rights can only be justified if there is reason to fear that a truly, exceptionally dangerous virus is threatening us. Do any scientifically sound data exist to support this contention for COVID-19? I assert that the answer is simply, no. – Bhakdi. You can read more about him here.

We have to ask ourselves, why are so many experts in the field being completely censored. Why is there so much information being shared that completely contradicts the narrative of our federal health regulatory agencies and organizations like the WHO? Why are these experts being heavily censored, and why are alternative media platforms being censored, punished and demonetized for sharing such information? Is there a battle for our perception happening right now? Is our consciousness being manipulated? Why is there so much conflicting information if everything is crystal clear? Why are alternative treatments that have shown tremendous amounts of success being completely ignored and ridiculed? What’s going on here, and how much power do governments have when they are able to silence the voice of so many people? Should we not be examining information openly, transparently, and together?...”



Published

On August 17, 2020

By [Arjun Walia](#) 



The Facts:

More than 500 German doctors & scientists have signed on as representatives of an organization called the "Corona Extra-Parliamentary Inquiry Committee" to investigate what's happening on our planet with regards to COVID-19.

Reflect On:

Why are so many professionals and **experts in the field being censored, ridiculed and shut down** by organizations like the WHO? Should we not have the right to examine information openly, freely, and transparently?

Is this article 'fake news'? No, because the statement in the title that reads "we have a lot of evidence that it's a fake story all over the world" is an **actual quote from a representative of the group** discussed in the article. The statement was said. Whether or not what the quote says is true, on the other hand, is up for you to decide or according to multiple governments, is up for the World Health Organization (WHO) to decide. Is the title misleading or inaccurate? No, again, it's a direct quote and represents the opinion of multiple health professionals. Are these health professionals implying that COVID-19 is a fake virus? No, they are simply implying that **it's not as dangerous as it's being made out to be**, and I summarize some of that information below that has them coming to that conclusion.

These **doctors and scientists are being heavily censored** across all social media platforms, and those who write about them are experiencing the same. Many of the claims these doctors make have been 'debunked' by mainstream media, federal health regulatory agencies and 'fact-checkers' that are patrolling the internet. Any information that does not come from the (WHO) is not considered reliable, truthful or accurate, and that would include the information presented in this article and information shared by these experts in the field. People are being encouraged to visit the WHO's website for real and accurate information about COVID-19 instead of listening to doctors and scientists who oppose the narrative of these health authorities.

What Happened: More than 500 German doctors & scientists have signed on as representatives of an organization called "Außerparlamentarischer Corona Untersuchungsausschuss." Außerparlamentarischer Corona Untersuchungsausschuss stands for the **"Corona Extra-Parliamentary Inquiry Committee** and was

established to investigate all things that pertain to the new coronavirus such as the severity of the virus, and whether or not the actions taken by governments around the world, and in this case the German government, are justified and not causing more harm than good.

As the Corona-Extra-Parliamentary Inquiry Committee, we will investigate why these restrictive measures were imposed upon us in our country as part of COVID-19, why people are suffering now and whether there is proportionality of the measures to this disease caused by the SARS-COV-2 virus. We have serious doubts that these measures are proportionate. This needs to be examined, and since the parliaments – neither the opposition parties nor the ruling parties – have not convened a committee and it is not even planned, it is high time that we took this into our own hands. We will invite and hear experts here in the Corona speaker group. These are experts from all areas of life: Medicine, social affairs, law, economics and many more. (source)

You can access the full english transcripts on the organizations website if interested.

This group has been giving **multiple conferences in Germany**, in one of the most recent, Dr. Heiko Schöning, one of the organizations leaders, stated that “We have a lot of evidence that it (the new coronavirus) is a fake story all over the world.” To put it in context, he wasn’t referring to the virus being fake, but simply that it’s no more dangerous than the seasonal flu (or just as dangerous) and that there is no justification for the measures being taken to combat it.

I also think it’s important to mention that a report published in the **British Medical Journal** has suggested that quarantine measures in the United Kingdom as a result of the new coronavirus may have already killed more UK seniors than the coronavirus has during the peak of the virus.

Below is a press conference held by representatives of the group that took place last month, you can find more important information below that.

Why This Is Important: It can be confusing for many people to see so many doctors and many of the world’s **most renowned scientists and infectious disease experts oppose** so much information that is coming from the WHO and global governments.

Many scientists and doctors in North America are also expressing the same sentiments. For example, **The Physicians For Informed Consent (PIC)** recently published a report titled “Physicians for Informed Consent (PIC) Compares COVID-19 to Previous Seasonal and Pandemic Flu Periods.” According to them, the infection/fatality rate of COVID-19 is 0.26%. You can read more about that and access their resources and reasoning here.

John P. A. Ioannidis, a professor of medicine and epidemiology at Stanford University has said that the infection fatality rate “is close to 0 percent” for people under the age of 45 years old. You can read more about that here. He and several other academics from the Stanford School of Medicine suggest that COVID-19 has a similar infection fatality rate as seasonal influenza, and published their reasoning in a study last month. You can find that study and read more about that story here.

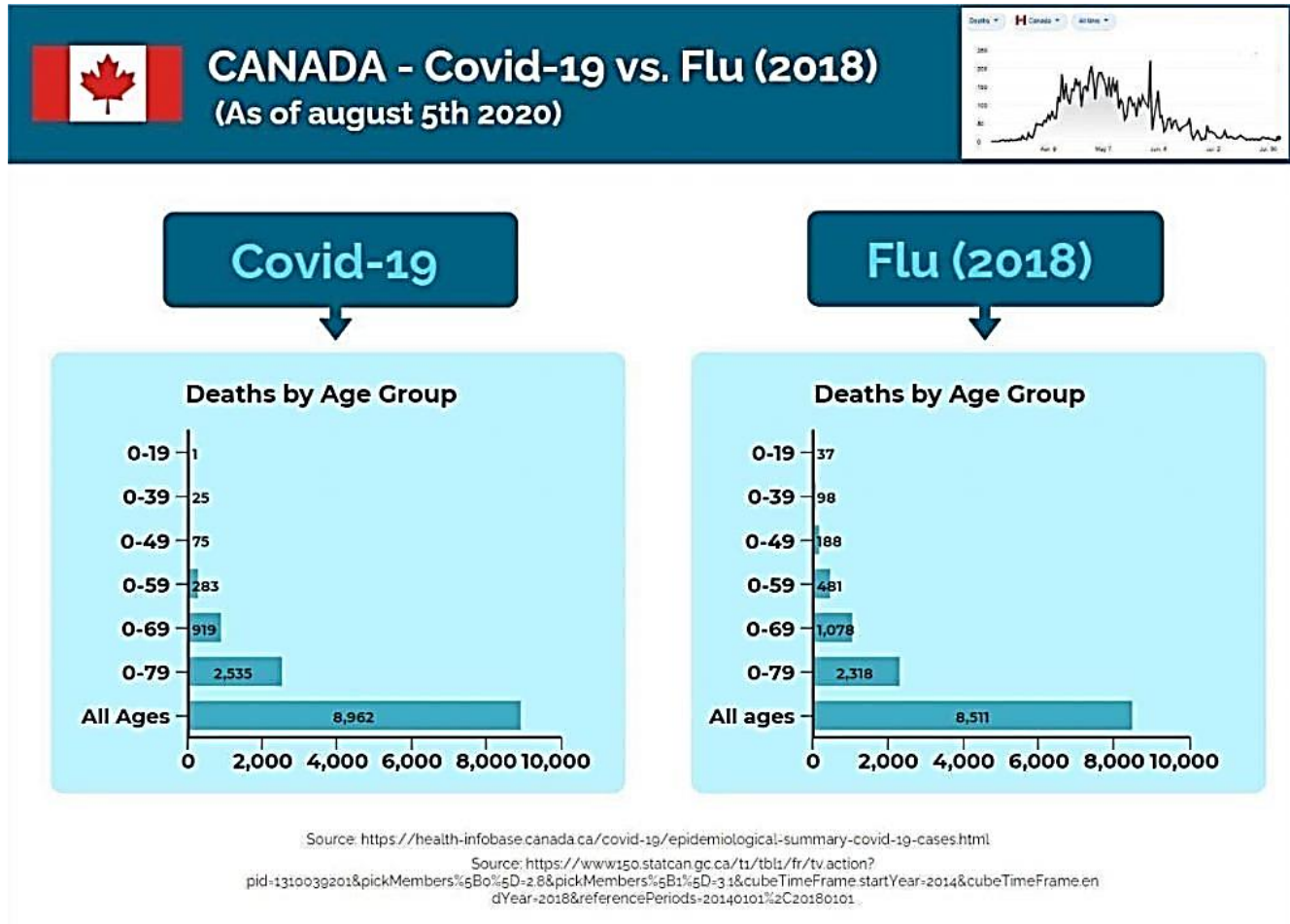
Michael Levitt, a Biophysicist and a professor of structural biology at Stanford University criticized the WHO as well as Facebook for censoring different information and informed perspectives regarding the Coronavirus and has claimed that, with regards to lockdown measures, that **“the level of stupidity going on here is amazing.”** You can read more about this here.

Dr. Sucharit Bhakdi, a specialist in microbiology and one of the most cited research scientists in German history is also part of Corona Extra-Parliamentary Inquiry Committee mentioned above and has also expressed the same thing, multiple times early on in the pandemic all the way up to today.

*Implementation of the current **draconian** measures that are so extremely restrict fundamental rights can only be justified if there is reason to fear that a truly, exceptionally dangerous virus is threatening us. Do any scientifically sound data exist to support this contention for COVID-19? I assert that the answer is simply, no. – Bhakdi. You can read more about him here.*

Below are some interesting statistics from Canada. (source)

Below are some interesting statistics from Canada. (source)



The Takeaway

We have to ask ourselves, why are so many experts in the field being completely censored. Why is there so much information being shared that completely contradicts the narrative of our federal health regulatory agencies and organizations like the WHO? Why are these experts being heavily censored, and why are alternative media platforms being censored, punished and demonetized for sharing such information? Is there a battle for our perception happening right now? Is our consciousness being manipulated? Why is there so much conflicting information if everything is crystal clear? Why are alternative treatments that have shown tremendous amounts of success being completely ignored and ridiculed? What’s going on here, and how much power do governments have when they are able to silence the voice of so many people? Should we not be examining information openly, transparently, and together?

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ALTERNATIVE NEWS**11.9 President Trump Says No To Bill Gates' Backed "COVAX" Vaccine Alliance**

Note: This article discusses Donald Trump's move to not back COVAX Vaccine alliance and his concerns about WHO. This is backed up by doctors and scientists around the world expressing concerns about the power of pharmaceutical companies and clearly the dangers this presents to the public. Key extracts as follows: "...With such a lack of transparency on our planet, it's hard to know what's really going on.

Why This Is Important: Vaccines are often portrayed as a miracle medicine, but vaccines are not a one sized fits all product. This is evident by the fact that nearly \$4 billion has been paid out to families of vaccine injured children via the National Childhood Vaccine Injury Act (NCVIA). As astronomical as the monetary awards are, they're even more alarming considering that only an estimated 1% of vaccine injuries are even reported to the Vaccine Adverse Events Reporting System (VAERS). There are multiple issues with different vaccines. For example, multiple lawsuits have been filed against Merck for their HPV vaccine. This vaccine has caused multiple disabilities and deaths, and according to the act mentioned above, it's responsible for at least 64,000 adverse reactions in the United States alone. You can read more about that here. As of 2/5/19, the cumulative raw count of adverse events from measles, mumps, and rubella vaccines alone was: 93,929 adverse events, 1,810 disabilities, 6,902 hospitalizations, and 463 deaths. (VAERS) A 2010 HHS pilot study by the Federal Agency for Health Care Research (AHCR) found that 1 in every 39 vaccines causes injury, a shocking comparison to the claims from the CDC of 1 in every million. You can access that and read more about it here. Big media also seems to portray the idea that the majority of doctors and scientists support vaccinations. This simply isn't true either, as was emphasized at the World Health Organizations (WHO) conference on vaccine safety. Professor Heidi Larson, a Professor of Anthropology and the Risk and Decision Scientist Director at the Vaccine Confidence Project emphasized at the conference that: The other thing that's a trend, and an issue, is not just confidence in providers but confidence of health care providers, we have a very wobbly health professional frontline that is starting to question vaccines and the safety of vaccines. One study (of many) published in the journal EbioMedicine outlines this point, stating in the introduction:

Over the past two decades several vaccine controversies have emerged in various countries, including France, inducing worries about severe adverse effects and eroding confidence in health authorities, experts, and science (Larson et al., 2011). These two dimensions are at the core of the vaccine hesitancy (VH) observed in the general population. VH is defined as delay in acceptance of vaccination, or refusal, or even acceptance with doubts about its safety and benefits, with all these behaviors and attitudes varying according to context, vaccine, and personal profile, despite the availability of vaccine services (Group, 2014, Larson et al., 2014, Dubé et al., 2013). VH presents a challenge to physicians who must address their patients' concerns about vaccines and ensure satisfactory vaccination coverage. The Physicians for Informed Consent recently put out some excellent downloadable PDF's with regards to the MMR vaccine...."



Published

9 hours ago

on

September 4, 2020

By

Arjun Walia 



IN BRIEF

The Facts:

The Trump administration has had the **United States opt out of the COVAX alliance**, an initiative spearheaded by the Bill Gates global vaccine alliance called **Gavi** to produce and distribute a coronavirus vaccine.

Reflect On:

Why is our world filled with a lack of transparency? Why has science become so politicized? How come it's become so hard to tell what's really going on, and how come there is a 'fact checker' going around the internet censoring information?

What Happened: During the summer, US president Donald Trump “donated more to Gavi, the Vaccine Alliance, to prevent the spread of infectious diseases worldwide.” He did so in [a statement of support for Gavi at the public Gavi pledge conference](#), which was hosted by the United Kingdom, on June 4th. Bill and Melinda Gates co-founded the Gavi alliance in the year 2000, it's a public-private partnership that claims to support “global health-system strengthening and vaccine deployment for infectious diseases worldwide.” ([source](#)) [Here's a video clip](#) of Trump talking about his decision.

Now, it has come to our attention that president Trump and his administration **will not** participate in a collaborative global initiative to develop and distribute a coronavirus vaccine that's headed by the COVAX initiative. The COVAX initiative is spearheaded by Gavi, and according to their [website](#):

The ACT Accelerator is a ground-breaking global collaboration to accelerate the development, production, and equitable access to COVID-19 tests, treatments, and vaccines. COVAX is co-led by Gavi, the Coalition for Epidemic Preparedness Innovations (CEPI) and WHO. Its aim is to accelerate the development and manufacture of COVID-19 vaccines, and to guarantee fair and equitable access for every country in the world.

It's not quite clear if president Trump is halting his initial payment to Gavi mentioned above, or simply choosing not to participate in the COVAX effort that is being led by the Gavi alliance.

Multiple media outlets are reporting that Trump is opting out OF THE COVAX **effort because the organization is tied to the World Health Organization (WHO)**, who Trump and multiple other world 'leaders' have criticized for the way they've handled the Covid-19 pandemic.

Not only have some politicians been quite critical of the WHO during the pandemic, a number of **scientists and doctors** have been as well. For example, Michael Levitt, a Biophysicist and a professor of structural biology at Stanford University, [criticized](#) the WHO as well as Facebook for censoring different information and informed perspectives regarding the Coronavirus. YouTube is also actively banning any content that contradicts anything that the World Health Organization (WHO) with regards to the new coronavirus.

A documentary called “**trustWHO**” explores the **influence that the pharmaceutical industry, among others, has on the World Health Organization**. It was recently banned by Vimeo. The documentary has been fact-

checked and approved by lawyers, experts in the medical field and even by key executives of the WHO itself. The documentary simply investigated how efficiency and transparency of the WHO are undermined by corporate influences. You can read more about that [here](#).

I also recently published a [piece](#) about [Wikileaks](#) regarding recent posts they made pertaining to [documents](#) they released nearly a decade ago. The documents highlight the influence that pharmaceutical companies have on health policy set by the World Health Organization (WHO).

More than 500 German doctors & scientists have signed on as representatives of an organization called the "Corona Extra-Parliamentary Inquiry Committee" to investigate what's happening on our planet with regards to COVID-19 because they are coming across information and data that also contradicts that of the WHO. You can read more about that story [here](#).

The Bulgarian Pathology Association has taken the stance that the testing used to identify the new coronavirus in patients is "**scientifically meaningless.**" This comes after the president of the Bulgarian Pathology Association, Dr. Stoian Alexov, said that European pathologists haven't identified any antibodies that are specific for SARS-CoV-2.

Again, I just wanted to provide a few of many examples of what you never hear within the mainstream with regards to the WHO. These organizations are **independent**, they have no oversight and nobody is 'watching' and 'auditing' them. They hold a **tremendous amount of power** and influence and are portrayed as our most trusted body when it comes to global health matters. The issue for many is the fact that the modern day world of medicine and health care is now dominated by big pharmaceutical interests, money and profit often come before health, at least according to to my research.

Why would information coming from some of the **world's most respected scientists** in the field be **censored** simply because it contradicts what we are getting from the WHO?

With such a lack of transparency on our planet, it's hard to know what's really going on.

Why This Is Important: Vaccines are often portrayed as a miracle medicine, but vaccines are not a one sized fits all product. This is evident by the fact that nearly \$4 billion has **been paid out** to families of vaccine injured children via the National Childhood Vaccine Injury Act (NCVIA). As astronomical as the monetary awards are, they're even more alarming considering that only an **estimated 1% of vaccine injuries are even reported** to the **Vaccine Adverse Events Reporting System (VAERS)**.

There are multiple issues with different vaccines. For example, multiple lawsuits have been filed against Merck for their HPV vaccine. This vaccine has caused multiple disabilities and deaths, and according to the act mentioned above, it's responsible for at least 64,000 adverse reactions in the United States alone. You can read more about that [here](#).

As of 2/5/19, the cumulative raw count of adverse events from measles, mumps, and rubella vaccines alone was: 93,929 adverse events, 1,810 disabilities, 6,902 hospitalizations, and 463 deaths. (VAERS)

A 2010 HHS pilot study by the Federal Agency for Health Care Research (AHCR) found that **1 in every 39 vaccines causes injury**, a shocking comparison to the claims from the CDC of 1 in every million. You can access that and read more about it [here](#).

Big media also seems to portray the idea that the majority of doctors and scientists support vaccinations. This simply isn't true either, as was emphasized at the World Health Organizations (WHO) conference on vaccine safety.

Professor Heidi Larson, a Professor of Anthropology and the Risk and Decision Scientist Director at the Vaccine Confidence Project emphasized at the conference that: The other thing that's a trend, and an issue, is not just confidence in providers but confidence of health care providers, we have a very wobbly health professional frontline that is starting to question vaccines and the safety of vaccines.

You can access a link to that conference and read more about it [here](#).

One study (of many) published in the journal [EbioMedicine](#) outlines this point, stating in the introduction:

Over the past two decades several vaccine controversies have emerged in various countries, including France, inducing worries about severe adverse effects and eroding confidence in health authorities, experts, and science (Larson et al., 2011). These two dimensions are at the core of the vaccine hesitancy (VH) observed in the general population. VH is defined as delay in acceptance of vaccination, or refusal, or even acceptance with doubts about its safety and benefits, with all these behaviors and attitudes varying according to context, vaccine, and personal profile, despite the availability of vaccine services (Group, 2014, Larson et al., 2014, Dubé et al., 2013). VH presents a challenge to physicians who must address their patients' concerns about vaccines and ensure satisfactory vaccination coverage.

[The Physicians for Informed Consent](#) recently put out some excellent downloadable PDF's with regards to the MMR vaccine. There are four of them that all present different points presenting information that, again, is real, factual and science based yet never presented to the masses.

[MEASLES: What Parents Need To Know](#)

[MMR VACCINE: Is It Safer Than Measles?](#)

[Waning Immunity & The MMR Vaccine](#)

[FAQ's: The MMR Vaccine versus the Measles](#)

Why doesn't anybody know about these things? When I ask this question to myself, this quote comes to mind:

Even the pharmaceutical companies have been able to purchase congress. They're the largest lobbying entity in Washington D.C.. They have more lobbyists in Washington D.C. than there are congressman and senators combined. They give twice to congress what the next largest lobbying entity is, which is oil and gas... Imagine the power they exercise over both republicans and democrats. They've captured them (our regulatory agencies) and turned them into sock puppets. They've compromised the press... and they destroy the publications that publish real science. – Robert F. Kennedy Jr. ([source](#))

When it comes to the new coronavirus vaccine, not much is known about it and apparently it is utilizing a new method, something that's never been seen before. We already have a large lack of safety testing with the vaccines currently on the schedule, so we can't expect much of that (safety testing) with a coronavirus vaccine. It's going to be interesting to see what happens when it comes out.

The Takeaway: Why does mainstream media label those who question the safety of vaccines as "anti-vax conspiracy theorists" instead of actually addressing the concerns people have with vaccines? Why do they constantly use ridicule, hate and shame? Should we not be free to choose what we do with our own body and what we put into it, especially when the 'medications' being offered aren't put through appropriate safety testing? What's going on here? Why is there a digital fact checker going around the internet censoring information that doesn't fit the frame?

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12.0 GAIN-OF-FUNCTION RESEARCH

12.1 Dr Mikovits says SARS-Cov-2 is not Natural

In an interview with Mickey Willis producer of the film Plandemic, Dr Judy Mikovits informs the public that SARS-CoV-2 is not natural. She points to it as a bioweapon. The following are extracted key points about COVID-19:

"...COVID-19 is not naturally occurring, it is clear it was manipulated, family of viruses, studied, where animals were taken to the lab, this was released whether deliberate or not

They didn't go to a market, get a bat it is not how it works, didn't jump to humans accelerated viral evolution

If natural take it up to 800 years to occur

Occurred from SARS1 within a decade, not naturally occurring

Where? Occurring between North Carolina laboratories, Fort Detrick US Army and Wuhan Lab

National institutes funded Wuhan lab

1999 working at Detrick her to job teach Ebola how to infect human cells without killing.

COPD lungs look like COVID-19

Not tested no evidence of infection, they call it COVID-19

Linking pneumonia then diagnose COVID-19

Pressured to add COVID

Increase the numbers

Why skew?

Fear is a great way to control people

People become paralysed when fearful

Use my head and think for myself that is what America is about

If someone dies with COVID-19 we count it

Dr Mikovits says "You don't die with an infection you die FROM an infection"

Doctors admitted to being Incentivised to list people sick or died with COVID-19

Medicare: \$13,000 from Medicare if you call it COVID-19

If COVID-19 on a ventilation 33,000

Killed them with the ventilator gave wrong treatment

Why in Italy so high?

Old population, sick with inflammatory disorders, beginning of 2019 untested form of influenza vaccine, 4 strains, highly pathogenic H1N1, dogs have coronavirus

Hydroxychloroquine tablets. Effective medication to treat a virus. AMA doctors will lose licence if they use hydroxychloroquine. It is effective against families of viruses. It I a essential medicine, keep it from the people.

Not storytelling if you have data

Autism - 100 year old drug on WHO list of essential medicines, gave kids a voice, a life

Monsanto Bayer took it away, take away a medicine

FDA, CDC, Tony Fauci

Give it to the victims on this Plague of Corruption

Shut down no profit, natural remedies, that is what is going on

Game is to prevent the therapies until everyone is infected, push vaccines

Flu vaccine push odds by 36% of getting COVID-19

Where data come from: Military publication, military vaccinated by influenza (shots) more susceptible to coronaviruses. Coronaviruses are in every animal

Flu vaccine were injected with coronavirus then put on a mask

Microbiology, immunology

Strong immune system

Immune response developed

Take away, my immune system drops

Hand washing, washing counters, not immune, deficient

Mask and gloves reduces your bacteria flora, protects you from other diseases

Opportunistic infections

When reopen – there will be a huge amount illness rampant

Building blocks of immune system is virus and bacteria

Getting sick by own reactivated (virus and bacterias)

SARS-Cov-2

Why close beach – microbes in saltwater that is insanity

Pollute our bodies

Manipulate the masses

Other people shutting down other citizens

Hating each other..."

This information has not been addressed in the media, by the government or even the medical establishment. Yet many will know this information. Why has it been withheld? The public have a right to know.

12.2 Indian Institute of Technology, 4 Inserts

Note: This section is extracted from the Corruption Report refer Dr Horowitz and Coronavirus Negligence.

Now, the “reckless negligence” has resulted in a massive number of deaths, just as Horowitz forewarned, as corroborated by [new genetic analyses published](#) by a team of gene-sequencing experts affiliated with the Indian Institute of Technology (IIT), the University of New Delhi, IBM, and New York University at Stonybrook. The team’s nine experts, led by Prashant Pradham, the Chief Technical Officer for IBM in Asia, used the WATSON computer to identify a ‘smoking-gun’ in the new coronavirus.

Prashant Pradhan
 Vice President and CTO, Asia Pacific at IBM
 Singapore · 500+ connections

Education

- State University of New York at Stony Brook**
 Doctor of Philosophy (PhD) · Computer Science
 1996 – 2001
- Indian Institute of Technology, Delhi**
 Bachelor of Technology (BTech) · Computer Science
 1992 – 1996

Experience

- IBM** **Vice President and CTO, Asia Pacific**
 IBM
 Aug 2018 – Present · 1 year 7 months
 Singapore
- IBM** **CTO, IBM India South Asia**
 IBM
 Aug 2017 – Jul 2018 · 1 year
 Bengaluru Area, India
- IBM** **Executive Director, Watson and Cloud**
 IBM
 Feb 2017 – Aug 2017 · 7 months
 Bengaluru Area, India
- IBM** **Watson business leader, IBM India South Asia**
 IBM
 Jan 2016 – Jan 2017 · 1 year 1 month
 Bangalore

IBM **IBM**

State University of New York at Stony Brook

2019 Coronavirus data analyst

The IIT study found an AIDS-virus envelope gene that could only have joined the coronavirus through **genetic mutations** engineered in a lab, such as the one in Wuhan.

Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag

Prashant Pradhan^{\$1,2}, Ashutosh Kumar Pandey^{\$1}, Akhilesh Mishra^{\$1}, Parul Gupta¹, Praveen Kumar Tripathi¹, Manoj Balakrishnan Menon¹, James Gomes¹, Perumal Vivekanandan*¹ and Bishwajit Kundu*¹

¹Kusuma School of biological sciences, Indian institute of technology, New Delhi-110016, India.

²Acharya Narendra Dev College, University of Delhi, New Delhi-110019, India

^{\$}Equal contribution

* Corresponding authors- email: bkundu@bioschool.iitd.ac.in

vperumal@bioschool.iitd.ac.in

Abstract:

We are currently witnessing a major epidemic caused by the 2019 novel coronavirus (2019-nCoV). The evolution of 2019-nCoV remains elusive. We found 4 insertions in the spike glycoprotein (S) which are unique to the 2019-nCoV and are not present in other coronaviruses. Importantly, amino acid residues in all the 4 inserts have identity or similarity to those in the HIV-1 gp120 or HIV-1 Gag. Interestingly, despite the inserts being discontinuous on the primary amino acid sequence, 3D-modelling of the 2019-nCoV suggests that they converge to constitute the receptor binding site. The finding of 4 unique inserts in the 2019-nCoV, all of which have identity /similarity to amino acid residues in key structural proteins of HIV-1 is unlikely to be fortuitous in nature. This work provides yet unknown insights on 2019-nCoV and sheds light on the evolution and pathogenicity of this virus with important implications for diagnosis of this virus.

"There's now no doubt the 2019 coronavirus is a lab virus," Dr. Horowitz says, vindicated against [skeptics](#) by Pradham's study.

Add in: professor Luc Mon, Nobel Peace Price Winner said

Some key words in respect to hybrid viruses. It is interesting to note that Chimaeric (hybrid virus) infected airway of cell. Is this what caused the shortness of breath.

- Chimera (Dr Mikovits)
- Chimaeric (hybrid virus) infected airway of cell (Pirbright Patent)
- Glycoprotein (s)
- Argument for biosecurity rests on no cure

The Pirbright Institute patented in September 9, 2014 a Chimaeric protein.

[Chimaeric protein](#)

Patent number: 8828407

Abstract: The present invention provides a **chimaeric coronavirus S protein** which is based on an S protein from a coronavirus strain with restricted tissue tropism, but which comprises at **least part of the S2 subunit** from a coronavirus strain with extended tissue tropism, such that a virus comprising the chimaeric S protein has extended tissue tropism. The present invention also **provides a virus comprising such a chimaeric S protein.**

Type: Grant

Filed: July 5, 2010

Date of Patent: September 9, 2014

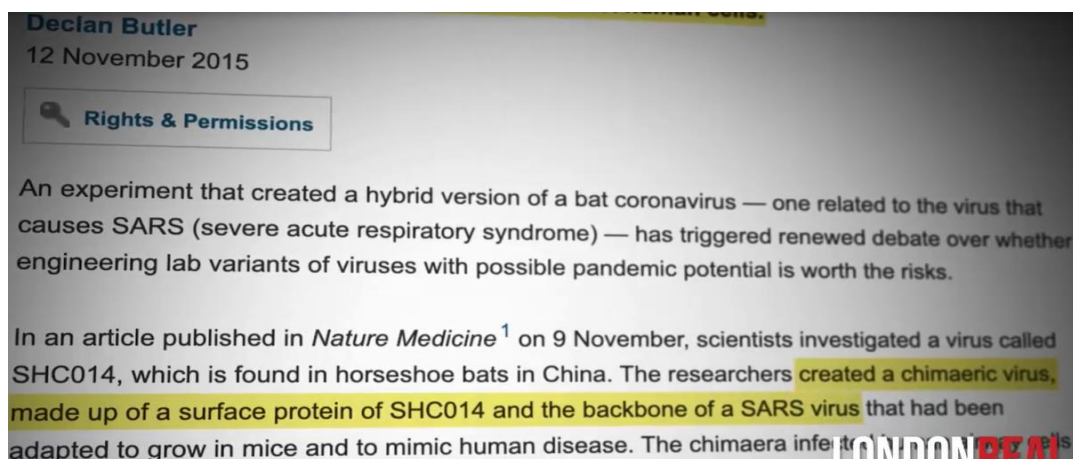
Assignee: The Pirbright Institute

Inventors: Paul Britton, Erica Bickerton, Maria Armesto

October 17, 2014 – Moratorium on Gain of Function Research. This grant was an exception

Ralph S. Baric, PhD, Project Leader at North Carolina and Chapel Hill received a letter from Dr. Fauci's organisation NIAID it is noted the research is covered under the pause: Project 1: Role of Uncharacterised Genes in High Pathogenic Human Coronavirus Infection. Specific Aim 2. Novel functions in virus replication in vitro. Specific Aim 3. Novel functions in virus pathogenesis in vivo. Dr Fauci's organisation allowed the research: "NIAID has determined that the above referenced grant MAY INCLUDE Gain of Function research that is subject to the recently announced U.S. Government funding pause issued on October 17, 2014."

12 November, 2015. In reference to the Ralph Baric experiment at North Carolina that created a hybrid version of a bat coronavirus – one related to the virus that causes SARS **triggered renewed debate over whether engineering lab variants of viruses with possible pandemic potential is worth the risk.** In an article published in Nature Medicine on 9 November, 2015 scientists investigated a virus called SHC014 which is made up of a surface protein of SHC014 and the backbone of a SARS virus to grow in mice to mimic human disease



Then it is evident Peter Daszak, Project Leader was researching the risk of bat Coronavirus Emergence. This research stated in 2015 until 2019 and funded by NIAID, Dr. Fauci's organisation. The CSIRO was involved also.

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Project Information

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DESCRIPTION DETAILS RESULTS **HISTORY** SUBPROJECTS SIMILAR PROJECTS NEARBY PROJECTS BETA LINKS NEWS AND MORE

Project Number: 1R01AI110964-01 Contact PI / Project Leader: DASZAK, PETER
 Title: UNDERSTANDING THE RISK OF BAT CORONAVIRUS EMERGENCE Awardee Organization: ECOHEALTH ALLIANCE, INC.

Total project funding amount for 6 projects is **\$3,378,896***
 * Only NIH, CDC, and FDA funding data.

Project Number	Sub #	Project Title	Contact PI / Project Leader	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC
2R01AI110964-06		UNDERSTANDING THE RISK OF BAT CORONAVIRUS EMERGENCE	DASZAK, PETER	ECOHEALTH ALLIANCE, INC.	2019	NIAID	NIAID	\$292,161
5R01AI110964-05		UNDERSTANDING THE RISK OF BAT CORONAVIRUS EMERGENCE	DASZAK, PETER	ECOHEALTH ALLIANCE, INC.	2018	NIAID	NIAID	\$581,646
5R01AI110964-04		UNDERSTANDING THE RISK OF BAT CORONAVIRUS EMERGENCE	DASZAK, PETER	ECOHEALTH ALLIANCE, INC.	2017	NIAID	NIAID	\$597,112
5R01AI110964-03		UNDERSTANDING THE RISK OF BAT CORONAVIRUS EMERGENCE	DASZAK, PETER	ECOHEALTH ALLIANCE, INC.	2016	NIAID	NIAID	\$611,090
5R01AI110964-02		UNDERSTANDING THE RISK OF BAT CORONAVIRUS EMERGENCE	DASZAK, PETER	ECOHEALTH ALLIANCE, INC.	2015	NIAID	NIAID	\$611,090

12.3 Professor Luc Montagnier

Luc Montagnier, awarded a Nobel Prize as co-discoverer of the HIV virus, also says COVID-19 is man-made, and sheds light on why the Indian paper was withdrawn. As Gilmore Health News reports: "According to Professor Luc Montagnier, winner of the Nobel Prize for Medicine in 2008 for "discovering" HIV as the cause of the AIDS epidemic together with Françoise Barré-Sinoussi, the SARS-CoV-2 is a virus that was manipulated and accidentally released from a laboratory in Wuhan, China, in the last quarter of 2019.... "With my colleague, bio-mathematician Jean-Claude Perez, we carefully analyzed the description of the genome of this RNA virus," explains Luc Montagnier, interviewed by Dr Jean François Lemoine for the daily podcast at Pourquoi Docteur, adding that others have already explored this avenue: Indian researchers have already tried to publish the results of the analyses that showed that this coronavirus genome contained sequences of another virus. The HIV virus (AIDS virus), but they were forced to withdraw their findings as the pressure from the mainstream was too great.

12.4 Dr Meryl Nass Biological Weapons Expert

Q. I was reading people mentioned that in some way this reflects has elements of the some version of AIDS virus, is that accurate or inaccurate?

- Not clear to me if that is accurate or not.
- Montagnier Nobel Peace winner from France has said **this is the case**. Now in the United States virologists **are not examining** those parts of the genome of the coronavirus, not clarified yet. The areas that Luc Montagnier that have been **inserted** are short, there is a possibility they could have arisen through natural mutations. It is also possible, it would be very easy with the tools that are now available to **create a virus like this**. A number of labs around the world which **collaborate with each other are in fact creating viruses like this**.
- Those labs were in: United States (multiple places), China, Japan, Europe and Australia. Scientists went back and forth and worked in each other's labs. Most of the technology if not all of it was **already published** to create something like this.
- There is a story from China that several miners who were cleaning up a cave, its unclear why they were clearing this cave up to me, came with an illness about 8 years ago and that a **virus was found in the miners and the cave that was almost identical to this current coronavirus**. If that is true. The Chinese have produced some **questionable evidence** of that. Some evidence looks strong some looks weak. If that is true, then maybe that is the same virus or a natural derivative of it.
- On the other hand **people in many labs may have seen this virus** and may have fiddled around with it a little more. Because it is possible to **make these viruses more contagious** or to get into more type of cells or to do other things. We know how to do that.

*Q. I understand Shi Zhengli who was at the Wuhan lab. Do you make anything of the possibility of her involvement and the outbreak that occurred? Also set a lot of folks ajar in terms of the conclusions they can reach was the Chinese reaction, there had been a **sense of corruption**, then they wanted to bring the curtain down and not let folks know exactly what is happening. How did you analyse all of that.*

- **Dr Shi Zhengli was the head of coronavirus research** basically in China and certainly at the Wuhan lab. She wasn't the Director of the whole WIV she was the **director of coronavirus research and particularly bat coronavirus**.
- Shi herself said *I didn't sleep for days*, had to go through my lab books to make sure this had not escaped from our lab. Yes the Chinese initially seemed to provide the **genomic structure** of the virus very quickly. Then certain Chinese scientists were **silenced**. Now think about if this had happened in the United States particularly in light of the censorship we are seeing in the media. I am pretty sure the scientists who work on coronavirus would have been instructed to keep **very quiet** and not speak to the media and pass things through federal minders etc. the implications of one lab or one country being responsible for this worldwide pandemic that is costing trillions of dollars is huge. A lot of effort is going to be made to obscure the role of any country in this.
- The other thing is that the lab in Chinese was partly **financed by the US by federal grants** some came from the defence department. The lab was **partly financed by the Europeans**. It is very confusing these different countries were doing coronavirus research funding each other, sharing scientists, sharing techniques and yet **these techniques were creating organisms that had significant pandemic potential**.

(see Corruption Report)

12.5 Challenges of Human Gene Patents and Genetic Testing

Note: It is noted that they do not refer to the changing of the DNA blueprint as a extinction event! We see what we want to or are paid to see.

Refer Attachments: HumanGenePatentsandGeneticTesting pdf

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Introduction

Since the start of the **Human Genome Project**, the patenting of human genetic material has been the focus of a great deal of **social controversy**. Concerns have ranged from claims that such patents infringe human dignity, to a possible adverse impact on the research environment. Despite the ongoing controversies, gene patents continue to be granted in jurisdictions throughout the world and those with an eye toward economic growth insist that they are an important element in the innovation and technology transfer process.

This chapter provides an overview of the gene patenting controversy, particularly emphasizing how gene patents may impact, for better or worse, the development and provision of **genetic testing technologies**. The chapter begins with a discussion of **benefits and social concerns** often associated with human gene patents. This is followed by an analysis of gene patents in the health care context and the related patent reform recommendations that have been proposed by various policy-making entities.

Benefits from patents

Note: Think coronavirus patent! Note this is biological life. How does this impact sustainability and resiliency?

Patents are meant to benefit society by encouraging innovation through granting the inventor an **exclusive monopoly over the invention**. This monopoly, which generally lasts **20 years**, gives the inventor the ability to **control the use of the invention**, thus putting the inventor in a **position to profit**. Specifically, the patent holder may **prevent** anyone else from **making, constructing, emulating, using, or selling** the patented invention, or any other invention that achieves the same result in substantially the same manner. However, patents are also meant to ensure that the details of the invention are disclosed to the public. Indeed, one of the criteria for obtaining a patent is that the invention is described in a sufficient fashion so that an individual with reasonable skill in the relevant art or technical field would have the ability to replicate the invention. This disclosure of information is meant to facilitate the advancement of further innovation and the avoidance of wasteful, duplicative research (ALRC, 2004).

Patents are viewed as an increasingly **important part of the world economy**. Many commentators have suggested that the world now lives in an era where ideas and innovation have come to dominate the new, **knowledge-based economy**. Just as the **industrial revolution** changed the way in which wealth was generated, in a similar fashion areas such as **information technology, computers, biotechnology, and, perhaps one day, nanotechnology are opening new exciting market opportunities**. In such fields, where **ideas**, as opposed to tangible goods, are often the **primary commodity**, intellectual property protection is perceived to be fundamentally important to **economic growth**. Some commentators have gone so far as to suggest that the **ability of a nation to generate patents is a strong indicator of the health and long-term prospects of the region's economy**. For example, Juan Enriquez (2001) has suggested that "patents are a good window (although not the only window) on who might triumph and who might lose over the course of the next two decades".

Few other industries rely on patent protection as much as the biotechnology sector (Straus, 1998; Cook-Deegan and McCormack, 2001; Scherer, 2002; Stott and Valentine, 2003). Often, patents are the only assets that biotechnology companies have, and because potential products can take years to bring to market, investors believe they need strong intellectual property protection in order to provide a small sense of long-term security. The perceived importance of patents to the biotechnology sector is well illustrated by the way in which investment seems to follow strong intellectual property protection frameworks. When a rough map of the human genome was completed in 2000, US President Clinton and British Prime Minister Blair made a joint announcement suggesting that the "gene map belongs to all" (Evenson, 2000). The statement was not meant to implicate patent policy. Nevertheless, the fear that the two leaders would seek to diminish intellectual property protection sent stocks in biotechnology companies tumbling (Schehr and Fox, 2000). Similarly, when the Supreme Court of Canada held that a genetically modified mouse, known as the oncomouse, was not patentable (Harvard College vs. Canada (Commissioner of Patents), 2002), a case that makes Canada the only developed nation that has explicit jurisprudence not allowing the patenting of "higher life forms", there were many predictions that the decision would have dire consequences on the Canadian biotechnology sector (Abraham, 2002). For example, one Canadian commentator noted that: "While the technical impact of the decision will likely be minor, the negative effect on future biotechnology could be huge" (Gervais, 2002).

Although most in the biotechnology industry have strong views about the importance of patenting to the strength of the biotechnology sector, some commentators have noted that there is, in fact, little systematic research to support the claim. For example, Richard Gold and colleagues have noted that: "Despite the assumption within intellectual property systems that they are necessary to encourage research and development, there is only a modest body of empirical evidence to support this in the biotechnology industry" (Gold et al., 2000, 2002a).

Patentability

Though the patenting of human genetic material has been the source of social controversy, there have never been any significant legal barriers to the patenting of human genetic material. Ever since the famous US Supreme Court case of **Diamond v. Chakrabarty [447 US 303 (1980)]**, there have been few legal obstacles to the patenting of biologically based "inventions". In the Chakrabarty case, the plaintiff challenged the US Patent Office after a patent on an oil-eating bacterium had been refused. The Patent Office took the position that the bacterium was not an invention but a product of nature. The Supreme Court sided with Chakrabarty, noting that whether an organism was alive or not was deemed irrelevant for the application of the law, and as long as an element of human inventiveness was involved, the innovation could be patented.

Since the Chakrabarty case, the boundaries of patent law have been pushed even further. In the USA, for example, numerous patents have been awarded on plants and animals (Kevles and Berkowitz, 2001). The patenting of human genes is consistent with this trend in the jurisprudence. From the perspective of patent offices in Europe, Japan, the USA, and Canada, human gene inventions are patentable as long as they satisfy the basic criteria of national patent regimes: the invention must be new, non-obvious, and useful. Though many may view human gene inventions as the mere discovery of something that already exists in nature, if a degree of human inventiveness has been applied, such as isolating the gene to make it useful, the gene is potentially patentable. Just as a naturally occurring chemical can be patented if an inventor has devised a method of purifying and making the chemical useful, so too are human gene sequences.

As summarized by Demaine and Fellmeth (2003), "the [US] Patent and Trademark Office and federal courts now routinely hold discovered natural substances patentable if they are 'isolated and purified' or otherwise **insubstantially modified**. Naturally occurring **DNA and protein biomolecules** have, consequently, become the subject of patent applications." Similarly, the European Patent Office Guidelines state that to "find a substance freely occurring in nature is also a mere discovery and therefore unpatentable. However, if a substance found in nature has first to be isolated from its surroundings and a process for obtaining it is developed, that process is patentable. Moreover, if the substance can be properly characterized either by its structure, by the process by which it is obtained or by other parameters and is 'new' in the absolute sense of having no previously recognized existence, then the substance per se may be patentable" (Bostyn, 2003).

Gene patenting reached its peak in the USA **around the mid-1990s**. During this period, the National Institutes of Health filed patent applications for 6,800 expressed sequence tags. Although these applications would subsequently be withdrawn, the general trend continued. In 1996, Incyte Pharmaceuticals filed patent applications for as many as 400,000 expressed sequence tags (Holman and Munzer, 2000). Concurrently, a promising discipline amalgamating genomics and pharmaceutical science termed "pharmacogenomics" caught the eye of the biotechnology business community, which led to the first patent applications on single nucleotide polymorphisms (Joly, 2003). **As of the year 2000, over 25,000 DNA-based patents have been issued in the USA alone** (Cook-Deegan and McCormack, 2001). Gene patenting never reached the same level of effervescence elsewhere as it did in the USA. Thomas and colleagues (2002) found that between 1996 and 1999, out of 6,786 DNA patents filed, the majority were filed in the USA (62%). Given that the major part of the biotechnology industry remains concentrated in this country, these figures are hardly surprising (OECD, 2006). In the case of patents on fundamental genetic research tools, there has been a change in outlook in recent years. These patents have recently become more difficult to obtain and to enforce in both North America and Europe. In North America, the enactment of Utility Examination Guidelines, validated by the US Court of Appeals for the Federal Circuit in the landmark *In Re Fisher vs. Lalgudi* case, introduced the requirement that in order to be eligible for patent protection, DNA patents should have a substantial utility demonstrable through specific benefits (Joly, 2006). In Europe, a restrictive application of the patentability criteria made by the **European Patent Office Board of Appeals** has led to similar results in practice (Hopkins et al., 2007). Moreover, the value of these patents, as well as the surrounding commercial hype around biotechnology patenting, seems to have somewhat diminished (Gura, 2002).

General concerns

Human gene patents have become the source of a great deal of social controversy. Indeed, the appropriateness and potential impact of patents on human genetic material has emerged as one of the dominant social and ethical concerns in the area of human genetics. Jeremy Rifkin (1998), one of the most vocal opponents of human gene patents, has stated, **"the debate over life patents is one of the most important issues ever to face the human family. Life patents strike at the core of our beliefs about the very nature of life and whether it is to be conceived of as having intrinsic or mere utility value."**

Many commentators have suggested that patenting human genes has the potential to facilitate the commodification of humans generally. **The Australian Law Reform Commission** recently summarized this concern stating:

"Another objection to patents on genetic materials is that they may engender a lack of respect for human life and dignity"

(ALRC, 2004). On this view, to grant a patent – a proprietary right – on something suggests that it is a fit subject for such rights. Consequently, patents on genetic materials are thought to **commodify** parts of human beings by **treating them as objects**, or as something to be placed in the stream of commerce for financial gain. Commercialisation of **parts of human beings** is seen as ethically problematic because it might affect how we value people" (Resnik, 2004).

Likewise, it has been suggested that the human genome should be **considered a natural resource, part of the common heritage of humankind** and, as such, should **not belong to any one individual or corporation** (Rifkin, 1998). Similarly, it has been put forward that genetic information is a global public good whose benefit should accrue to everyone (Thorsteinsdóttir et al., 2003). These ideas have gained a degree of traction with some policy-making entities. For example, the Human Genome Organization (HUGO) Ethics Committee has suggested that **human genomic databases are global public goods** whose benefit should be shared by all (HUGO, 2002). Additionally, UNESCO's 1997 Universal Declaration on the **Human Genome and Human Rights** states that "the human genome in its **natural state** shall not give rise to financial gains" (UNESCO, 1997). However, considering the human genome at the level of the species as a common heritage, or genetic information as a global public good, does not preclude granting of individual patents (Knoppers and Joly, 2007). Consequently, these policy declarations have had very little practical impact on domestic patent law. In other words, they have not affected how individual patent offices view the patentability of human genetic material.

The patenting of biological substances has also been associated with the notion of "**biopiracy**" (Rifkin, 1998; Sheremeta and Knoppers, 2007). In general, this concern relates to the **exploitation** of one region's genetic heritage or genetic resources by researchers or industry from another region. This may include, for example, researchers from a developed country using genetic samples from a developing nation without appropriate consent or authorization.

Concern about this kind of phenomenon led the **HUGO Ethics Committee** to recommend that organizations or individuals who profit from genetic research should have an obligation to return a percentage (1–3%) of the gross profit to the region and/or community involved in the research (HUGO, 2000). In Newfoundland (Canada), a recent report released at the request of the provincial government has recommended the adoption of a mandatory approbation model for every commercial genetic research in human genetics. This model would require sponsors of any research project with commercial potential to submit a motivated benefit-sharing proposition along with the research protocol (Pullman and Latus, 2003).

Though the stimulation of **innovation** is one of the stated goals of the patent system, there has also been a long-standing concern that the patenting process may, paradoxically, **hurt research** by promoting a more **secretive and less collaborative research environment**. Research conducted by Blumenthal and colleagues (1997, 2002, 2006) suggests academic–industry collaborations are "significantly associated with the tendency to **withhold the results of research**". They also found that the most commonly cited reason for the delay in publication was the need to allow time for filing a patent application.

Similarly, many commentators have suggested that "upstream" patents, for example, on gene sequences of unclear function may hinder the development of research on "downstream", clinically useful inventions, such as genetic tests or therapies. This concern is closely related to what has been called the "tragedy of the anti-commons". First articulated by Heller and Eisenberg (1998), this theory suggests that patents may hurt innovation in the context of gene research because they may create a disincentive to research.

Researchers may avoid investigating a particular gene or gene region for fear of infringing an existing patent, thus stifling what may be useful research (Andrews, 2002a, b). In addition, patents may increase the cost of research by compelling researchers to agree to pay licensing fees to use the patented invention. This latter concern is particularly problematic given the uncertainty surrounding the application of the research exemption in most relevant jurisdictions.

For example, the recent US case of *Madey vs. Duke University* in 2002 has severely limited the research exemption in that country. The court held that the research exemption is applicable only if the research is done "solely for amusement, to satisfy idle curiosity, or for strictly philosophical inquiry". The exemption does not apply if the alleged offender has a legitimate business interest in the patented invention. The US Supreme Court has recently refused to review this decision. Despite the frequent articulation of similar con-

cerns, very little in the way of substantial patent reform has occurred in any jurisdiction. Indeed, many of these issues were identified over a decade ago by commentators like Hubbard and Wald (1993) who stated, "It is important not to lose sight of the fact that the pieces of DNA being sequenced are part of our bodies; they are not being invented by these researchers. If the base sequences of the DNA can be patented, rather than remaining in the public domain, the rights to the commercial use of these sequences will belong to the NIH or to companies that buy them from the MRC. In the end, consumers will be the losers. They will first pay the costs of the research and patenting with their taxes, then pay prices inflated by monopolies."

Nevertheless, the rules applying to the patenting of human genetic material have remained largely unchanged since the start of the Human Genome Project. The emerging evidence might justify this cautious approach to a biotechnology influenced patent reform (Caulfield et al., 2006). Recent studies (Walsh et al., 2003, 2005; Nicol and Nielsen, 2003; Nagaoka, 2006; Hansen et al., 2006; see also <http://www.oecd.org/dataoecd/36/22/1817995.pdf>) have demonstrated that the patent system has not, so far, created widespread problems of access to genetic research tools. However, the available evidence is still limited and some of these same studies also recommend careful monitoring of the situation for the next few years in order to avoid the formation of parasitic patent thickets capable of delaying the progress of science in broad research areas.

Consequently, some authors still favor a legislative solution to the issue of gene patenting (Gold et al., 2007; Herder and Johnston, 2008). In response to some of these concerns, in 2007, US congressman Becerra introduced a draft bill (Genomic Research and Accessibility Act 2007) that would prohibit patents on nucleotide sequences. However, it is unlikely that the bill will gain the necessary support from other congressmen to be enacted into law. This is not the first legislative attempt in this country to limit genetic patents and it likely won't be the last (Holman, 2007). After a transition period, the patent system might have adapted itself to the challenge posed by genetic research tools' patents. However, new challenges are emerging in the field of stem cell research, where broad patents, such as that of the Wisconsin Alumni Research Foundation (WARF), could potentially threaten the progress of science (Loring and Campbell, 2006). Issues, often linked to overbroad patents or inadequate licensing practices, have also surfaced in the area of genetic testing.

Concerns related to the provision of health care

As more and more genetic technologies move from the laboratory toward clinical use, new patent controversies have started to emerge. Specifically, that patenting may drive up the cost of health care and impede availability of new medical innovations (Henry et al., 2002). Of course, concern about the potential impact of patents on health care systems is not unique to genetic technologies and services.

In a recent report on the Canadian Health Care system, the problem was discussed in the context of pharmaceuticals: "On the one hand, [a patent] protects the intellectual property of pharmaceutical companies and helps offset the considerable investment they make in researching and developing new drugs. On the other hand, it delays the introduction of low cost generic drugs" (Romanow, 2002).

However, several **high-profile controversies** have caused policy makers throughout the world to focus on the potential adverse implications of gene patenting in the context of health systems (Andrews, 2002a, b). As previously noted, patents give the **inventor a monopoly over the use and control of the invention**. This allows the patent holder to **charge a premium** for the use of the invention. Indeed, the ability to reap substantial rewards for the use of the invention is the primary incentive that is meant to encourage innovation. However, this monopoly also means that there are **few ways to control costs**. Unless a country has some kind of formal **price control** schemes in place, patent holders are well within their rights to charge whatever they deem appropriate. The downside of this loss of control is most readily apparent in countries, such as Canada, that have a **publicly funded health care system** where global budgets may not be able to accommodate the demanded monopoly price. In such situations, **the patent may result in a loss of public access to a necessary health care service**. This can happen either because the administrators

of the public system decide that **they will not pay** for the patented test, or because the patent holder simply refuses to allow access (Caulfield et al., 2000, 2002). The practical impact of this situation is well illustrated by the controversy surrounding **Myriad Genetics** in Canada, though there have been, of course, a number of similar patenting controversies, including the patenting and **exclusive licensing** of the **Canavan gene** in Florida (Hahn, 2003), and the **patenting of the SARS genome** (Gold, 2003). Indeed, Williams-Jones (2002) characterized the case as follows: "The Myriad case is a harbinger of an increasing number of instances where gene patents provide companies with monopolies on the development, marketing, and provision of genetic tests and therapeutics. Not surprisingly, this case has become a focal point in Canada and Europe for debates about the **social and ethical implications of DNA patenting** and the commercialization of genetic tests."

Myriad Genetics **controls the patents for the BRCA1/genes** and for the related testing processes. These genes are associated with predisposition to **breast and ovarian cancer**. Though there is still an ongoing debate regarding the clinical utility of **testing for BRCA1/2 gene mutations** (Healy, 1997), the provision of the test has become the standard of care in many regions throughout the world (Gold et al., 2002b). In Canada, various provinces provided the test part of the public health care system for a relatively reasonable cost, though there was a degree of variation in testing and sequencing techniques. In the summer of 2001, Myriad Genetics decided take steps to **enforce its patents** over the BRCA1/2 genes. **Provincial health care ministries in Canada received cease and desist letter from Myriad**. They were told that all future genetic testing that utilizes the BRCA1/2 genes **must be done** through Myriad's laboratories. The Myriad test is **quite expensive** as compared to the testing process already being done in Canada. The Myriad test would **cost approximately 3,800 Canadian dollars per test**. In some cases, this was more than **four times** the cost of the testing being done within the provincial system. As a result, number of Canadian provincial health ministers stated that the **public system could not afford** the Myriad test. Some provinces decided to ignore the patent and continue testing; others, at least temporarily, simply stopped offering the test (Williams-Jones and Burgess, 2004). In Europe, the situation grew even more contentious. **Myriad's patents were perceived by a considerable number of geneticists and the general population as a threat not only to public health, but also to scientific development and personal privacy well**. Consequently, European-wide opposition procedures were engaged against all three of Myriad's BRCA1 gene patents. These procedures eventually resulted in one **Myriad's patents being revoked** and the two others limited in scope (Matthijs and Halley, 2002; Cassier and Stoppa-Lyonnet, 2005; Matthijs, 2006).

Following the conclusion of the Myriad saga, another patented test, using the JAK2 gene as an indicator myeloproliferative disorders, was **licensed** exclusively Canada in 2007 and threatened to raise similar issues again. However, this time around, the parties were offered a forum at a governmental workshop to peacefully **discuss their differences** before the story got too litigious. Interestingly, during the event, both parties were able to quickly and collaboratively solve the problems of access (Gold, 2008). This encouraging resolution of the story seems to suggest that the main issues with respect to the Myriad Genetics case were likely related to the **lack of communication and openness** between the parties as well as to the impact the overly negative portrayal of the debate in the media (Caulfield et al., 2007; Gold, 2008).

These controversies highlighted a number of interesting policy issues. First, the Myriad dilemma illustrated the potential conflict between two key governmental priorities, access to affordable health care and the promotion of innovation and the economy (Caulfield, 2003). Over the past few decades, containing the cost of publicly funded health care systems has been a key policy issue for most OECD countries (Flood, 2000). The Myriad story stood as an example of how patents, at least initially, might drive up costs. However, as noted previously, patents are also viewed as an essential component of the commercialization process. Thus, for those in industry and government interested in economic growth, diminishing the strength of patent protection is hardly an attractive option. On the contrary, within universities and in many sectors of the government, the obtainment of biotechnology patents is aggressively promoted. As such, a strange policy paradox has emerged where explicitly pro-biotechnology politicians, such as Ontario's former Premier Mike Harris, argued against gene patents. For example, shortly after the Myriad story broke, Premier Harris suggested: "The benefits of a world-wide effort such as the Human Genome Project should not be the property of a handful of people or companies. Our **genetic heritage belongs to everyone**. We must share the benefits fairly and do what we can to make genetic tests and therapies affordable and accessible" (Benzie, 2001). One wonders what his position would have been if Myriad Genetics was located in Ontario.

Second, there is also concern that gene patents might inhibit the development of cheaper or more efficient and effective ways of doing the same testing. For example, there are those who believe that the Myriad test may not be the most comprehensive procedure for the determination of BRCA1/2 gene mutations, though this remains controversial (Gold et al., 2002a). Researchers at the Institute Curie in France, and the **Erasmus University Medical Center in the Netherlands**, claim that the Myriad technique misses 10% to 20% of expected mutations, seriously jeopardizing the quality of test results and usefulness of this information for patient care (Williams-Jones, 2002; Matthijs and Halley, 2002). If true, and there are more efficient and effective procedures available, the current Myriad patents would block their use. Again, this could result in increased costs to the health care system. Recently, Cho and colleagues (2003) analyzed many of these concerns. In that study, researchers interviewed directors of genetic laboratories throughout the USA. They asked the directors various questions about the impact of gene patenting and licensing on clinical practice. The results showed that, in general, laboratory directors had a negative impression of gene patents. Indeed, the researchers noted that "It was striking that virtually no respondents, including those from commercial laboratories, thought the effects of patents and licenses on the costs, access, and development of genetic tests have been positive".

Moreover, their findings are also consistent with concerns that "**patents are inhibiting commercialization of genetic tests**". Given that one of the justifications for patents is facilitate the commercialization process and the dissemination of useful technologies, these findings raise interesting questions about the utility and effectiveness of the current patent regime in the context of genetic innovations. Cho and colleagues (2003) summarize their findings thus: "We conclude that patents and licenses have a significant negative effect on the ability of clinical laboratories to continue to perform already developed genetic tests, and that these effects have not changed substantially throughout the past 3 years. Furthermore, the development of new genetic tests for clinical use, based on published data on **disease-gene associations**, and information sharing between laboratories, seemed to be **inhibited**."

Interestingly, there is some evidence that the public has similar concerns about the impact of gene patents on access to health care services. The public has the same divided view of patents as that represented in much of the literature. A survey of the Canadian public found that few of those surveyed had moral or religious objections to the patenting of human genes and a majority (63%) saw more benefits than risks associated with the patenting process (Pollara, 2000). However, in focus groups, it was found that there were major concerns based on issues of access and equity. In the context of health care, at least in Canada, access seems to be the dominant public consideration. Another concern associated with patents, and the commercialization process in general, is a possible impact on utilization and uptake. The individuals and organizations that hold patents have a natural and understandable desire to see their invention utilized by as broad market as possible. However, some have argued that this market pressure may cause commercial labs to offer their services to an inappropriately broad sector of the population (the broader the

definition of at-risk population, the larger the market; Martone, 1998; Caulfield et al., 2001). Companies that control a patent for a particular disease gene may inappropriately stress the seriousness of a disorder in order to encourage people to get tested (Loeben et al., 1998; Biesecker and Marteau, 1999). Such an approach may conflict with a more dispassionate assessment of the clinical utility for a given genetic service. For example, if one compares Myriad Genetics' indications for BRCA tests with those recommended by an independent body, one finds that the latter **excludes women without a family history of breast or ovarian cancer**, whereas Myriad's guidelines include these lower risk women (Willison and MacLeod, 2002). Naturally, this kind of market pressure could create inappropriate utilization and unnecessary costs for the health care system. Controlling the dissemination and uptake of new technologies has always been a challenge, particularly because few health care systems have the necessary framework to make system-wide implementation policies. Utilization and uptake are the result of a complex mix of professional decision making, market pressure, and patient preference and, in most countries, coverage by the public system. However, as research and health care become increasingly privatized, the market seems likely to have an increasingly important impact on the introduction of genetic tests into clinical practice. Blancquaert (2000) summarizes the problem as such: "Not only will commercialization increase public demand and affect the availability of genetic tests and services, it will certainly have an impact on the financial and human resources of national health care systems as well." It should not be forgotten that if, as it is often predicted, pharmacogenetics and multiplex testing become a reality, then many of the previously noted concerns could be amplified (Evans and Relling, 1999). This is because the use of both pharmacogenetics and multiplex testing – that is, testing for many mutations at the same time – could implicate numerous, **perhaps dozens, of patented gene sequences**. As such, obtaining the necessary **licenses** to provide the genetic service could be a tremendous challenge. For example, pharmacogenetics is premised on the idea that we will be able **to "individualize" pharmaceutical treatments** to maximize effectiveness and minimize adverse events (Shah, 2003, see also Chapter 22). However, this will necessarily involve testing an individual for the presence or absence of a variety of gene sequences. If these sequences are owned by another company or, more likely, several companies, the development of pharmacogenetic clinical protocols could become a complicated and expensive venture. The use of pharmacogenetics by drug companies to revive old patents by marketing the "rejuvenated" drug, sometime along with a genetic test, to a specific genotype or racial category (such as was attempted in the BiDil case) is also a concern.

Suggested reforms

Over the past few years, partly as a result of the previously noted controversies, a variety of governmental and policy entities have been seen to take on the gene patenting issues. Even though the UK Nuffield Council supported the use of patents on diagnostic tests as a means of "rewarding the inventor", they concluded that "in the future, the granting of patents that assert **rights over DNA sequences** should become the exception rather than the norm", and went on to make a number of specific reform suggestions, including applying existing patenting criteria more stringently (Nuffield Council, 2002). In addition, and perhaps most controversial, the Council also suggested that "in the case of patents that have been granted for diagnostic tests based on genes, compulsory licensing may be required to ensure reasonable licensing terms are available to enable alternative tests to be developed" (Nuffield Council, 2002). Another interesting UK report, which explicitly endorses the Nuffield Council's recommendations, was issued in July of 2003 (Cornish et al., 2003). **This report was commissioned by the UK Department of Health because of emerging "serious concern about the impact of intellectual property upon research and the use of novel developments in genetics affecting health care"**. The authors provide a series of recommendations including the suggestion that the Department of Health should consider "a robust central policy for 'licensing in' designed to moderate excessive demands by licensors by considering, as possible options, the use of **compulsory licensing, competition law and Crown use**". In what appeared to be a direct response to the Myriad controversy (Caulfield et al., 2006), the Ontario government struck a policy group to examine the potential adverse social implications of gene patenting. The government's 2002 Report to the Premiers made a number of similar recommendations from those of the Nuffield Council. The Ontario report – which, on January 25, 2002 was adopted by the Premiers from all the Canadian provinces

at the Premiers Conference on Healthcare in Vancouver – recommends inter alia, a clarification of patent criteria in relation to **human genes**, the exclusion of broad-based genetic patents covering multiple uses, a clarification of the experimental and non-commercial exceptions, and an expansion of the methods of medical treatment exclusion. The Ontario government has also decided to become an **intervener** in a plant patent case in hopes of raising issues associated with the impact of gene patents on health care policy. It was reported that the Ontario affidavit to the Supreme Court says the case “has important implications for the development of public policy in Ontario including the delivery of health care to its residents” (Bueckert, 2003). The Ontario report was followed in 2006 by a report from the Canadian Biotechnology Advisory Committee on Human Genetic Materials, Intellectual Property and the Health Sector (CBAC, 2006). The highlights of the proposed recommendations were: some clarification to the wording of the Patent Act, the elaboration of a statutory research exemption, as well as the development of licensing guidelines that could be adopted by national Canadian research granting agencies. As of 2008, the Canadian government has yet to implement the suggested substantive changes to the Canadian Patent Act. **The Australian Law Reform Commission (ALRC) has also conducted a major inquiry on the topic of gene patenting and human health.** It released a final report containing its recommendations for improving the Australian patent system (ALRC, 2004) in **2004**. The proposed avenues of reform are relatively **narrow** in nature, involving administrative changes and the adoption of technical guidelines, rather than substantial changes in the law. The few statutory changes that were discussed included the introduction of a research exemption for experimental use and the drafting of more refined crown use and compulsory licensing provisions.

There are a number of common themes that run through these and other policy documents. **Tightening** patent criteria, clarifying exemptions, and the use of compulsory licensing are all suggestions that consistently emerge. Another common suggestion is to introduce a mechanism that would allow **social and ethical issues to be considered** in the assessment of patents (Gold and Caulfield, 2002). This could, for example, be similar to Article 53(a) of the European Patent Convention, which allows the **rejection** of inventions, the publication or exploitation of which would be contrary to *ordre public* or morality. Some worry, however, that such an approach would introduce too much uncertainty into a system that was never meant to address ethical issues. Crespi (2003), for example, emphasizes:

“Most professional patent practitioners are somewhat dubious as to the wisdom or appropriateness of introducing ethical and moral questions into a law which is primarily based on the assessment of originality, innovativeness, and practical advances in science and technology.” Given that the morality exception has been interpreted very broadly by the EPO to deny the patenting of embryonic stem cells at the regional level in Europe, there are certainly some grounds for concern with this approach from a commercial standpoint (Plomer, 2006). But not all proposed solutions imply an in-depth reform of the patent system. A recent initiative led by the OECD was intended to promote the adoption of more informed and less restrictive licensing policies that would foster a broader use of patented genetic inventions. As a consequence, the OECD developed model-licensing guidelines to be adapted and enforced at the national level by member countries. According to these guidelines, **“It is important that licensors and licensees are encouraged to consider the possible impact of their license arrangements on the healthcare system and on patients. Licensors and licensees should, while meeting their economic needs, design their licensing arrangements so that patients have access to new health products and services and so that healthcare system administrators have reasonable flexibility to determine how best to implement new healthcare services and products”** (OECD, 2001, 2006). The American NIH took a similar stand in 2005 (NIH, 2005). Other less exacting solutions to the challenge raised by genetic patent include the creation of patent pools or patent clearinghouses as well as the use of open source schemes of peer productions to ensure greater access to both research tools and health care products (Sheremeta and Gold, 2003; Ebersole et al., 2005; Joly, 2007; Hope, 2008).

Conclusions

Despite the continued articulation of concerns regarding the impact of gene patents and the publication of numerous policy recommendations, there are many reasons why altering the existing system will remain a challenge. International trade agreements, for example, have the potential to create technical barriers for those seeking patent reform. **Trade related Intellectual Property Rights (TRIPS)** agreement of the World Trade Organization, which came into effect in 1995 and currently involves 151 nations, was envisioned as a mechanism for creating and maintaining strong patent protection within all member countries. Patent reform, which greatly alters or appears to erode patent protection, may be subject to challenge. At a minimum, existing international treaties add an element of uncertainty to the policy-making process (Caulfield and von Tigerstrom, 2006). Moreover, the **momentum of the biotechnology sector**, and the imbedded perception that **patent protection is crucially important to economic development**, rightly or not, will create political barriers to significant patent reform. Finally, only the best possible evidence should inform any reform process. Currently, there is still limited empirical data available on the actual benefits and risks of patents. Thus, further research is clearly warranted. As intellectual property becomes a more significant part of our social landscape, new challenges will undoubtedly emerge. Does the current patent system possess the flexibility needed to confront the challenges set by human genetics patents? Policy makers throughout the world must strive to make the necessary adjustments to create an intellectual property regime that balances a variety of laudable social goals, including the stimulation of the economy, the encouragement of innovation, and the facilitation of access to reasonably priced health care technologies.

12.6 Coronavirus Patents Causing Disease, Mutants?

Are these patents involved in the SARS-CoV-2 virus, mutants etc.

12.6.1 2019:cChicken cells for improved virus production

[Chicken cells for improved virus production](#)

Note: It was the Chinese ophthalmologist who stated SARS came from chickens. Could viruses be passed through avian cells in humans? Meaning could latent viruses be placed in an avian cells as a vector? Do they enhance replication?

Patent number: 10202578

Abstract: The present Invention provides as avian cell in which the expression or activity of one or more of the following genes, or a homologue thereof: Chicken IFITM 1 (SEQ ID No. 1); Chicken IFITM2 (SEQ ID No. 2) and Chicken IFITM3 (SEQ ID No. 3) **is reduced**. The invention also provides methods for **passaging viruses** in avian cells, embryos and/or avian cell lines which have **reduced expression** of one or more IFITM genes and methods which involve investigating the sequence of one or more of the following genes, or a homologue thereof: Chicken IFITM1 (SEQ ID No. 1); Chicken IFITM2 (SEQ ID No. 2) and Chicken IFITM3 (SEQ ID No. 3).

Type: Grant

Filed: June 3, 2014

Date of Patent: February 12, 2019

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Mark Fife, Mark Gibson

12.6.2 2018: Coronavirus Pirbright [Coronavirus](#)

Patent number: 10130701

Abstract: The present invention provides a **live, attenuated coronavirus** comprising a **variant replicase gene** encoding polyproteins **comprising a mutation** in one or more of **non-structural protein(s)** (nsp)-10, nsp-14, nsp-15 or nsp-16. The coronavirus may be used as a **vaccine** for treating and/or preventing a disease, such as infectious bronchitis, in a subject.

Type: Grant

Filed: July 23, 2015

Date of Patent: November 20, 2018

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Erica Bickerton, Sarah Keep, Paul Britton

12.6.3 2018: Mutant Spike Protein Extending the Tissue Tropism of Infectious Bronchitis virus (IBV)

[Mutant spike protein extending the tissue tropism of infectious bronchitis virus \(IBV\)](#)

Patent number: 9969777

Abstract: The present invention provides an **infectious bronchitis virus (IBV) spike protein** (S protein) which is based on an S protein from an IBV strain with **restricted tissue tropism**, but which comprises the sequence XBBXB in the part of the S2 protein corresponding to residues 686 to 691 of the sequence given as SEQ ID No. 2, where B is a **basic residue and X is any amino acid**; and which comprises at least one of the following amino acid substitutions with reference to the position numbering of SEQ ID NO:2: Leucine (L) to Phenylalanine (F) at position 578 Asparagine (N) to Serine (S) at position 617 Asparagine (N) to Serine (S)

at position 826 Leucine (L) to Phenylalanine (F) at position 857 and Isoleucine (I) to Valine (V) at position 1000 such that an IBV virus comprising the S protein has **extended tissue tropism**. The present invention also provides a **virus comprising such an S protein**.

Type: Grant

Filed: May 1, 2014

Date of Patent: May 15, 2018

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Paul Britton, Erica Bickerton

12.6.4 2010: SARS CORONAVIRUS, FUSION PROTEINS OF RECOMBINANT STRUCTURAL PROTEINS, THEIR PRODUCTION AND USES

Publication number: 20100150923

Abstract: Fusion proteins of recombinant SARS coronavirus structural proteins, their production and uses are provided. An optimized SARS coronavirus S protein gene which can be highly expressed in the mammalian cell strains and **SARS coronavirus S protein variants** comprising deletion, modification or mutation amino acids 318-510 corresponding to SARS coronavirus S protein are also provided.

Type: Application

Filed: June 13, 2006

Publication date: June 17, 2010

Applicant: Chinese Academy of Medical Sciences, Institute of Basic Medical Sciences

Inventors: Chengyu Jiang, Feng Guo, Shuan Rao, Bing Guan, Yi Huan, Peng Yang

12.7 Coronavirus Patents of Potential Treatments

12.7.1 2020: Method of Treating Coronavirus

Publication number: 20200179367

Abstract: In one aspect, a coronavirus is treated by administering a pharmaceutical composition containing a therapeutically effective amount of isomyosmine or a pharmaceutically acceptable salt thereof. In another aspect, oxidative stress is reduced in an individual suffering from a coronavirus by administering a pharmaceutical composition containing a therapeutically effective amount of isomyosmine or a pharmaceutically acceptable salt thereof. In another aspect, mitochondrial reactive oxygen species (mtROS) are inhibited in an individual suffering from a coronavirus by administering a pharmaceutical composition containing a therapeutically effective amount of isomyosmine or a pharmaceutically acceptable salt thereof. In one example, the coronavirus is Covid-19.

Filed: February 17, 2020

Publication date: June 11, 2020

Inventor: Jonnie R. Williams

12.7.2 2020: PREFUSION CORONAVIRUS SPIKE PROTEINS AND THEIR USE

Publication number: 20200061185

Abstract: Coronavirus S ectodomain trimers stabilized in a prefusion conformation, nucleic acid molecules and vectors encoding these proteins, and methods of their use and production are disclosed. In several embodiments, the coronavirus S ectodomain trimers and/or nucleic acid molecules can be used to generate an immune response to coronavirus in a subject. In additional embodiments, the therapeutically effective amount of the coronavirus S ectodomain trimers and/or nucleic acid molecules can be administered to a subject in a method of treating or preventing coronavirus infection.

Filed: October 25, 2017

Publication date: February 27, 2020

Applicants: The United States of America, as represented by the Secretary, Department of Health and Human Service, The Scripps Research Institute⁴¹, Trustees of Dartmouth College

Inventors: Barney Graham, Jason McLellan, Andrew Ward, Robert Kirchdoerfer, Christopher Cottrell, Michael Gordon Joyce, Masaru Kanekiyo, Nianshuang Wang, Jesper Pallesen, Hadi Yassine, Hannah Turner, Kizzmekia Corbett

12.7.3 2010: PEPTIDE COMPOUNDS FOR DETECTING OR INHIBITING SARS CORONAVIRUS AND APPLICATION THEREOF

Publication number: 20100304363

Abstract: Disclosed herein are peptide compounds and the application thereof to the detection and inhibition of SARS coronavirus. Composed of dipeptides, the compounds for detecting and inhibiting SARS coronavirus can be readily synthesized and produced at low cost. In addition, they can be stored safely for a long period of time. The dipeptide compounds are useful as inhibitors of SARS coronavirus as well as acting as excellent capturing materials of SARS coronavirus.

Filed: May 26, 2010

Publication date: December 2, 2010

Applicant: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

Inventors: Soo-Hyung LEE, Hyo-Bong Hong, Tao-Wan Kim, Myung-Ae Chung, Sung-Woo Sohn, Seoung-Min Yoo

⁴¹ The Scripps Research Institute receive grant funding from Bill & Melinda Gates Foundation. Also a member Public Health Alliance for Genomic Epidemiology.

12.7.4 2016: CORONAVIRUS PROTEINS AND ANTIGENS

Publication number: 20160339097

Abstract: Disclosed herein are embodiments of a **method for collecting, extracting or eluting proteins and antigens from cells infected with coronavirus**. The coronavirus may be a **porcine coronavirus**, such as **porcine epidemic diarrhea virus** (PEDV) or **porcine delta coronavirus** (PDCoV). Also disclosed are embodiments of a composition comprising the coronavirus proteins and antigens, and embodiments of a method of using such a composition. Applications for the composition include, but are not limited to, use in the **preparation of antibodies against the proteins and antigens**, use as reference markers for coronavirus proteins, and/or use in an immunogenic composition, such as in a **vaccine composition**.

Type: Application

Filed: August 4, 2016

Publication date: November 24, 2016

Applicant: MJ Biologics, Inc.

Inventor: Byoung-Kwan Kim

12.7.5 2016: Coronavirus proteins and antigens

Note: Why would the same patented on the same date, by same inventor but a different company be passed 3 years later in May 2019?? Is this legal?

Patent number: 10280199

Abstract: Disclosed herein are embodiments of a method for collecting, extracting or eluting proteins and antigens from cells infected with coronavirus. The coronavirus may be a porcine coronavirus, such as porcine epidemic diarrhea virus (PEDV) or porcine delta coronavirus (PDCoV). Also disclosed are embodiments of a composition comprising the coronavirus proteins and antigens, and embodiments of a method of using such a composition. Applications for the composition include, but are not limited to, use in the preparation of antibodies against the proteins and antigens, use as reference markers for coronavirus proteins, and/or use in an immunogenic composition, such as in a **vaccine composition**.

Type: Grant

Filed: August 4, 2016

Date of Patent: May 7, 2019

Assignee: Phibro Animal Health Corporation

Inventor: Byoung-Kwan Kim

12.7.6 2011: Compositions And Methods For Detecting Severe Acute Respiratory Syndrome Coronavirus

Publication number: 20110223659

Abstract: The invention provides compositions and methods for detecting the presence of SARS-coronavirus, for **screening anti-SARS coronavirus agents and vaccines**, and for reducing infection with plus-strand RNA viruses such as SARS-coronavirus.

Type: Application

Filed: December 7, 2010

Publication date: September 15, 2011

Inventors: David R. Scholl, Joseph D. Jollick, Laura Gillim-Ross, Jill Taylor, David E. Wentworth

12.7.7 2010: Ribozyme to cleave coronavirus gene

Publication number: 20100273997

Abstract: Provided is a **ribozyme to cleave a coronavirus gene** and a therapeutic agent for a coronavirus infectious disease. A common base sequence in coronaviruses such as SARS-CoV and **MHV** was searched to design a ribozyme including a base sequence complementary thereto. Moreover, a therapeutic agent for a coronavirus infectious disease including such ribozyme was obtained.

Filed: August 9, 2006

Publication date: October 28, 2010

Inventors: Noboru Fukuda, Takahiro Ueno, Akiko Fukushima, Kazumichi Kuroda

CORONAVIRUS PATENTS COMMERCIAL FOR PROFIT

13.1 Bill & Melinda Gates Funding The Pirbright Institute

The grants from the Gates Foundation are as follows:

(Source: Gates Foundation website)

<u>Wellcome Sanger Institute</u>	2019	Malaria	Global Health	\$13,854,455
<u>The Pirbright Institute</u>	2019	Agricultural Development	Global Growth & Opportunity	\$5,530,900

<u>GRANTEE</u>	<u>YEAR</u>	<u>ISSUE</u>	<u>PROGRAM</u>	<u>AMOUNT</u>
<u>The Pirbright Institute</u>	2019	Agricultural Development	Global Growth & Opportunity	\$1,474,103
<u>The Pirbright Institute</u>	2019	Agricultural Development	Global Growth & Opportunity	\$5,530,900
<u>The Pirbright Institute</u>	2019	Malaria	Global Health	\$3,589,679
<u>The Pirbright Institute</u>	2018	Support Innovative Technology Solutions	Global Health	\$599,945
<u>The Pirbright Institute</u>	2018	Agricultural Development	Global Growth & Opportunity	\$2,999,745
<u>The Pirbright Institute</u>	2016	Agricultural Development	Global Growth & Opportunity	\$837,704
<u>The Pirbright Institute</u>	2016	Discovery and Translational Sciences	Global Health	\$385,144
<u>The Pirbright Institute</u>	2015	Agricultural Development	Global Growth & Opportunity	\$1,494,536
<u>The Pirbright Institute</u>	2013	Agricultural Development	Global Growth & Opportunity	\$189,232
<u>The Pirbright Institute</u>	2013	Agricultural Development	Global Growth & Opportunity	\$90,023

13.2 Extract from The Pirbright Report (2018-2019)

Information about The Pirbright Institute is provided in their annual report (see Preparedness Report). **The CEO and Director is Professor Charleston**. Refer [Submission Attachments](#) for report pdf. Note Foot and Mouth disease was traced to the Pirbright Institute. They indicate that Pirbright has continuous research into African Swine Fever (flu?). They claim they are a global leader in animal and human health (disease?).

Emerging diseases, particularly viruses that have the potential to cause pandemics in animals and humans, are a growing concern, and international disease control agencies quite rightly recognise the need for funding in scientific research to combat these threats. The viral diseases Pirbright studies pose some of the world's biggest threats, not just to animal health, but to food and economic security, so impacting on human health.

Pirbright's unique combination of high containment laboratories and animal facilities, and expertise in biosafety and research enables us to study many highly infectious viruses, their hosts and the interaction between the two. Foot-and-mouth disease virus (FMDV), a highly infectious disease affecting cloven-footed animals, has a huge impact globally and our research is facilitating the development of a safer, cheaper and effective vaccine against multiple strains of the disease, designed to improve animal and human health.

In 2018-19 African swine fever (ASF), a deadly haemorrhagic disease of pigs, swept through Eastern Europe and China resulting in the death of at least 150 million animals so far, threatening global food supplies and causing economic hardship. It is still spreading throughout Asia. There is no vaccine or cure and since this highly infectious virus can remain viable in the environment for many weeks, controlling the disease relies on strict biosecurity measures and culling.

Pirbright is one of the few laboratories in the world that has continued research into ASF over the past 20 years and we are currently working to develop a vaccine as well as testing antivirals for this devastating disease. This highlights our position as a global leader in the field of animal and human health, where our knowledge and expertise inform policy on disease prevention and control around the world.

The Institute has undergone significant change over the past ten years and has received over £350 million of capital investment from BBSRC UKRI to ensure it has the capacity to respond swiftly and effectively to these global threats. We are now seeing the benefits of this investment as new specialist buildings come on stream and construction commences on a high containment large animal laboratory and a pathogen-free poultry facility. We continue to operate efficiently and cost-effectively compared to similar high containment research facilities, delivering good value for UK Government.

Our new laboratories will give us the flexibility to respond to new and emerging diseases, particularly those that spread between animals and people (zoonoses). In preventing and controlling viral diseases of animals we are playing a key role in protecting human health and furthering research in these viruses and tools to combat their spread, fulfilling the 'One Health' agenda.

The Institute studies four zoonotic viruses highlighted by the World Health Organization as a priority for research – Crimean-Congo haemorrhagic fever, Nipah, Rift Valley fever,

and Zika – as well as carrying out research on their livestock hosts and insect vectors. All have epidemic potential and insufficient control measures, and our research will support the drive to be ready to respond. Work has already begun on developing a vaccine against Nipah for pigs; trials are underway to test a more effective vaccine against Rift Valley fever, and we continue to develop genetic engineering solutions to control the spread of diseases like Zika and dengue by the *Aedes aegypti* mosquito.

Much of our work is done in collaboration with partners, both commercial and academic, and we are proud of the fact that in 2018-19 we were involved in 154 partnerships and networks across 53 countries.

Our collaborative approach in sharing our scientific expertise is highlighted further with the launch of the immunological toolbox, a web-based repository for antibodies, reagents and information to advance veterinary vaccine development through knowledge exchange and working together.

Working with partners and engaging with the public and key stakeholders globally remains a top priority to ensure we are well positioned to respond rapidly and effectively to outbreaks and protect the world's health, food and economic security.

Professor Bryan Charleston
Director and CEO
The Pirbright Institute

13.3 Coronavirus Patents Were Filed BEFORE the Wuhan Outbreak

Note: How can different companies patent the coronavirus? Why do they need to own the coronavirus? What do they change to make it novel in order to patent it? How much money do they make? How do they control markets?

01/22/2020 BY [JUSTIN DESCHAMPS](#) 9 COMMENTS

by [Justin Deschamps](#),

The Coronavirus outbreak has reportedly claimed 17 lives and is being widely covered by mainstream newsletters. [Conspiracy](#) realists-are hot on the case, searching the internet for anything strange—and they weren't disappointed. There were 19 different Coronavirus patents that were filed well before the outbreak started last week—some going back to 1984. Is this proof of a false flag or manufactured outbreak?

Historically, the Deep State and big pharma seem to find a new virus, or two, every year to drum up an ocean of fear, paranoia, and anxiety. Do you remember SARS, ZIKA, and Avian Flu?

Is there a precedent that drug companies make gobs of money from health scares like this?

In her 1994 book, [Disease Mongers](#), Lynn Prayers makes the case that the for-profit healthcare business, from food to doctors, to insurance, to drug companies, work hand-in-glove to ensure **big profits**.

How?

By creating **fear around a health issue** so you go out and buy what they're selling.

How do they do this?

Through mass media.

Book [Big Pharma, Big Agri, Big Conspiracy](#): A New World Order Spin on Drugs and GMOs

For example, [Science Daily](#), which I argue is propaganda outlet for the Deep State, regularly posts man-made climate change and anti-vax propaganda (with glaring bias), had three articles about Coronavirus posted within 2 hours of each other ([here](#), [here](#), and [here](#)).

As a long-time researcher and watcher of the powers that be my gut tells me this smells fishy.

I was alerted to the fact Corona Patents were filed *before* the outbreak took place last week.

Here's he list of 19 I discovered, courtesy of [usahitman.com](#):

Below is a quick list of patents which deal with this 'new' coronavirus. Well there is a pretty recent patent as of July 4th, 2019 with this coronavirus. We know how most of these viruses are lab created and this provides some more reach or information to research!

13.4 "Pirbright" Search of the US Patent Office database

Search Patents

[Justia](#) [Patents](#) Search Patents

13.4.1 2019: Stabilised FMDV Capsid

[Stabilised FMDV Capsids](#)

Publication number: 20190135874

Abstract: The present invention relates to the stabilisation of foot-and-mouth disease virus (FMDV) capsids, by specific substitution of amino acids in a specific region of FMDV VP2. The invention provides stabilised FMDV capsids and vaccines against FMD.

Type: Application

Filed: January 17, 2019

Publication date: May 9, 2019

Applicant: Pirbright Institute

Inventors: Abhay Kotecha, David Stuart, Elizabeth Fry, Robert Esnouf

13.4.2 2019: Chicken cells for improved virus production

[Chicken cells for improved virus production](#)

Patent number: 10202578

Abstract: The present Invention provides as avian cell in which the expression or activity of one or more of the following genes, or a homologue thereof: Chicken IFITM 1 (SEQ ID No. 1); Chicken IFITM2 (SEQ ID No. 2) and Chicken IFITM3 (SEQ ID No. 3) **is reduced**. The invention also provides methods for **passaging viruses** in avian cells, embryos and/or avian cell lines which have **reduced expression** of one or more IFITM genes and methods which involve investigating the sequence of one or more of the following genes, or a homologue thereof: Chicken IFITM1 (SEQ ID No. 1); Chicken IFITM2 (SEQ ID No. 2) and Chicken IFITM3 (SEQ ID No. 3).

Type: Grant

Filed: June 3, 2014

Date of Patent: February 12, 2019

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Mark Fife, Mark Gibson

13.4.3 2018: [Coronavirus](#)

Patent number: 10130701

Abstract: The present invention provides a **live, attenuated coronavirus** comprising a **variant replicase gene** encoding polyproteins **comprising a mutation** in one or more of **non-structural protein(s)** (nsp)-10, nsp-14, nsp-15 or nsp-16. The coronavirus may be used as a vaccine for treating and/or preventing a disease, such as infectious bronchitis, in a subject.

Type: Grant

Filed: July 23, 2015

Date of Patent: November 20, 2018

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Erica Bickerton, Sarah Keep, Paul Britton

1/28/2020 Patent Database Search Results: AN/Pirbright in US Patent Collection

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AN/Pirbright: 11 patents.

Hits 1 through 11 out of 11

[ASSIGNEE:

THE PIRBRIGHT INSTITUTE (Woking GB Great Britain); funded by WELLCOME TRUST (UK), EU, DARPA, BILL & MELINDA GATES FOUNDATION] See attached PIRBRIGHT

2019 annual report.

Jump To

Refine Search AN/Pirbright

PAT. NO.	Title
1 10,507,237	Attenuated African swine fever virus vaccine
2 10,294,277	Stabilised FMDV capsids
3 10,202,578	Chicken cells for improved virus production
4 10,130,701	Coronavirus

13.4.4 2018, Mutant Spike Protein Extending the Tissue Tropism of Infectious Bronchitis virus (IBV)

[Mutant spike protein extending the tissue tropism of infectious bronchitis virus \(IBV\)](#)

Patent number: 9969777

Abstract: The present invention provides an **infectious bronchitis virus (IBV) spike protein** (S protein) which is based on an S protein from an IBV strain with **restricted tissue tropism**, but which comprises the sequence XBBXB in the part of the S2 protein corresponding to residues 686 to 691 of the sequence given as SEQ ID No. 2, where B is a **basic residue and X is any amino acid**; and which comprises at least one of the following amino acid substitutions with reference to the position numbering of SEQ ID NO:2: Leucine (L) to Phenylalanine (F) at position 578 Asparagine (N) to Serine (S) at position 617 Asparagine (N) to Serine (S) at position 826 Leucine (L) to Phenylalanine (F) at position 857 and Isoleucine (I) to Valine (V) at position 1000 such that an IBV virus comprising the S protein has **extended tissue tropism**. The present invention also provides a **virus comprising such an S protein**.

Type: Grant

Filed: May 1, 2014

Date of Patent: May 15, 2018

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Paul Britton, Erica Bickerton

13.4.5 2017: Attenuated African swine fever virus vaccine

Publication number: 20170136114

Abstract: The present invention provides an **attenuated African Swine Fever (ASF) virus** which **lacks a functional version of the following genes**: multigene-family 360 genes 9L, 10L, 11L, 12L, 13L and 14L; and multigene-family 505 genes 1R, 2R, 3R and 4R. The invention further provides an attenuated African Swine Fever (ASF) virus which **lacks a functional version** of the **DP148R gene**. The present invention also provides a vaccine **comprising such an attenuated virus** and its use to prevent ASF. Further, the invention relates to **intranasal** administration of an attenuated ASF virus.

Type: Application

Filed: June 19, 2015

Publication date: May 18, 2017

Applicant: THE PIRBRIGHT INSTITUTE

Inventors: Charles Abrams, Anna-Luisa Reis, Chris Netherton, Linda Dixon, Dave Chapman, Pedro Sanchez-Cordon

13.4.6 2016, Modified foot and mouth disease virus (FMDV) VP1 capsid protein

Patent number: 9457075

Abstract: The present invention provides a foot-and-mouth diseases virus (FMDV) **VP1 capsid protein** which comprises an entity of interest (EOI). The EOI sequence may, for example, be an epitope tag, an **immunomodulatory molecule or a target molecule**. The present invention also provides an FMDV vaccine which comprises such a VP1 capsid protein and its use to prevent FMD.

Type: Grant

Filed: June 26, 2012

Date of Patent: October 4, 2016

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Julian Seago, Nicholas Juleff

13.4.7 2015, Foot and mouth disease virus with increased stability and its use as vaccine

[Foot and mouth disease virus with increased stability and its use as vaccine](#)

Patent number: 9145548

Abstract: The present invention provides a **foot and mouth disease (FMD) virus** having improved stability compared to the **field isolate** of the same subtype, wherein the virus comprises one or more amino acid **mutations** along a line of symmetry of the **capsid structure**. The present invention also relates to a vaccine comprising such an FMD virus and its use to prevent foot and mouth disease.

Type: Grant

Filed: September 8, 2011

Date of Patent: September 29, 2015

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Veronica Fowler, Nick Knowles, Paul Barnett

13.4.8 2014, Peptide

[PEPTIDE](#)

Publication number: 20140219918

Abstract: The present invention provides a **foot-and-mouth diseases virus (FMDV) VP1 capsid protein** which comprises an entity of interest (EOI). The EOI sequence may, for example, be an epitope tag, an immunomodulatory molecule or a target molecule. The present invention also provides an FMDV vaccine which comprises such a VP1 capsid protein and its use to prevent FMD.

Type: Application

Filed: June 26, 2012

Publication date: August 7, 2014

Applicant: THE PIRBRIGHT INSTITUTE

Inventors: Julian Seago, Nicholas Juleff

13.4.9 2013, Diagnose of mycobacterial infections by determination of IFN-gamma

[Diagnose of mycobacterial infections by determination of IFN-gamma](#)

Patent number: 8455201

Abstract: The present invention provides a method for **diagnosing a mycobacterial infection** in a subject, involving the following steps: (i) collection of a sample from the subject; (ii) incubation of the sample from (i) with an antigen preparation for 12 hours or less; and (iii) analysis of γ -IFN in the sample from (ii). The invention also provides a diagnostic kit for use in such a method.

Type: Grant

Filed: August 14, 2007

Date of Patent: June 4, 2013

Assignee: The Pirbright Institute

Inventors: Jayne Hope, Paul Sopp, Chris Howard

13.4.10 2013, Herpes Virus Vector

[Vector](#)

Patent number: 8501466

Abstract: The present invention relates to a **herpes virus vector** which comprises a modified genomic sequence encoding a **microRNA (miRNA) against a target sequence**. The herpes virus vector may be used as or **in a vaccine** to prevent and/or treat a disease.

Type: Grant

Filed: June 11, 2009

Date of Patent: August 6, 2013

Assignee: The Pirbright Institute

Inventors: Venugopal Nair, Luke Lambeth

13.4.11 2013, Vaccine

Publication number: 20130216569

Abstract: The present invention provides a **polypeptide comprising the amino acid sequence** as shown as SEQ ID No. 1 or a homologue or fragment thereof, a nucleic acid capable of encoding such a polypeptide and a **vaccine comprising such a polypeptide/nucleic acid**. The vaccine may be used for the treatment and/or prevention of a disease associated with an apicomplexan parasite.

Type: Application

Filed: August 2, 2011

Publication date: August 22, 2013

Applicant: THE PIRBRIGHT INSTITUTE

Inventors: Damer Blake, Adrian Smith, Martin Shirley

13.4.12 2013, Foot and Mouth Disease Virus and Vaccine

FOOT AND MOUTH DISEASE VIRUS WITH INCREASED STABILITY AND ITS USE AS VACCINE

Publication number: 20130230549

Abstract: The present invention provides a foot and mouth disease (FMD) virus having improved stability compared to the field isolate of the same subtype, wherein the virus comprises one or more amino acid **mutations** along a line of symmetry of the capsid structure. The present invention also relates to a vaccine comprising such an FMD virus and its use to prevent foot and mouth disease.

Type: Application

Filed: September 8, 2011

Publication date: September 5, 2013

Applicant: THE PIRBRIGHT INSTITUTE

Inventors: Veronica Fowler, Nick Knowles, Paul Barnett

13.4.13 2014, Chimaeric protein

Patent number: 8828407

Abstract: The present invention provides a **chimaeric coronavirus S protein** which is based on an S protein from a coronavirus strain with restricted tissue tropism, but which comprises at **least part of the S2 subunit** from a coronavirus strain with extended tissue tropism, such that a virus comprising the chimaeric S protein has extended tissue tropism. The present invention also **provides a virus comprising such a chimaeric S protein.**

Type: Grant

Filed: July 5, 2010

Date of Patent: September 9, 2014

Assignee: The Pirbright Institute

Inventors: Paul Britton, Erica Bickerton, Maria Armesto

13.4.14 2014, Resistance to Bacterial Infection

RESISTANCE TO BACTERIAL INFECTION

Publication number: 20140189898

Abstract: The present invention provides a method of identifying an animal having a **genotype associated with resistance** to bacterial infection comprising the steps of: (a) providing a sample from said animal; (b) determining the alleles at one or more markers of the SAL1 locus to identify the genotype of the marker, wherein said SAL1 locus lies between 54.0 MB to 54.8 MB of chicken Chromosome 5 or an equivalent thereof; and (c) determining whether the genotype is a **genotype associated with resistance to bacterial infection.**

Type: Application

Filed: March 6, 2014

Publication date: July 3, 2014

Applicant: The Pirbright Institute

Inventors: Mark Fife, Peter Kaiser, Nigel Salmon

13.4.15 2016, Construct for Producing Empty Virs Capsids

Patent number: 9243230

Abstract: The present invention provides a construct which, when expressed in a host cell, is capable of producing **empty virus capsids**, the construct comprising: (i) a nucleotide sequence encoding a capsid precursor protein; (ii) a nucleotide sequence **encoding a protease capable of cleaving the** capsid precursor protein; and (iii) a control element which controls the expression of the protease such that, when the construct is present in the host cell, the control element causes the protease to be expressed at a level sufficient to cleave the capsid precursor protein, but not sufficient to induce significant toxicity in the host cell. The invention also provides a **vector** and a host cell comprising such a construct and their use to generate **empty virus capsids**.

Type: Grant

Filed: September 24, 2010

Date of Patent: January 26, 2016

Assignee: THE PIRBRIGHT INSTITUTE

Inventors: Bryan Charleston, Ian Jones

13.4.16 2020, Recombinant Gallid Herpes Virus 3 Vaccines Encoding Heterologous Avian Pathogen Antigens

Publication number: 20200121785

Abstract: The invention relates to a recombinant **Gallid herpesvirus 3** vector encoding heterologous avian pathogen antigens comprising one or more heterologous polynucleotide(s) inserted into the intergenic loci UL3/UL4 and/or UL21/UL22. The invention further relates to **vaccines comprising said recombinant Gallid herpesvirus 3 vector** and optionally a further **Marek's disease virus vector** and to a use of the vaccine for protecting an avian species against one or more avian pathogens. Further methods for treating an avian species for protection against one or more diseases caused by avian pathogens and a method for producing the recombinant Gallid herpesvirus 3 vector encoding heterologous avian pathogen antigens is provided.

Type: Application

Filed: April 20, 2018

Publication date: April 23, 2020

Applicant: The Pirbright Institute

Inventors: Yashar Sadigh, Venugopal Nair

13.5 Other Coronavirus Patents

13.5.1 *2016: CORONAVIRUS PROTEINS AND ANTIGENS

Publication number: 20160339097

Abstract: Disclosed herein are embodiments of a method for collecting, extracting or eluting proteins and antigens from cells infected with coronavirus. The coronavirus may be a porcine coronavirus, such as porcine epidemic diarrhea virus (PEDV) or porcine delta coronavirus (PDCoV). Also disclosed are embodiments of a composition comprising the coronavirus proteins and antigens, and embodiments of a method of using such a composition. Applications for the composition include, but are not limited to, use in the preparation of antibodies against the proteins and antigens, use as reference markers for coronavirus proteins, and/or use in an immunogenic composition, such as in a vaccine composition.

Type: Application

Filed: August 4, 2016

Publication date: November 24, 2016

Applicant: MJ Biologics, Inc.

Inventor: Byoung-Kwan Kim

13.5.2 *2016: Coronavirus proteins and antigens

Patent number: 10280199

Abstract: Disclosed herein are embodiments of a method for collecting, extracting or eluting proteins and antigens from cells infected with coronavirus. The coronavirus may be a porcine coronavirus, such as porcine epidemic diarrhea virus (PEDV) or porcine delta coronavirus (PDCoV). Also disclosed are embodiments of a composition comprising the coronavirus proteins and antigens, and embodiments of a method of using such a composition. Applications for the composition include, but are not limited to, use in the preparation of antibodies against the proteins and antigens, use as reference markers for coronavirus proteins, and/or use in an immunogenic composition, such as in a vaccine composition.

Type: Grant

Filed: August 4, 2016

Date of Patent: May 7, 2019

Assignee: Phibro Animal Health Corporation

Inventor: Byoung-Kwan Kim

13.5.3 *2011: Compositions And Methods For Detecting Severe Acute Respiratory Syndrome Coronavirus

Publication number: 20110223659

Abstract: The invention provides compositions and methods for detecting the presence of SARS-coronavirus, for **screening anti-SARS coronavirus agents and vaccines**, and for reducing infection with plus-strand RNA viruses such as SARS-coronavirus.

Type: Application

Filed: December 7, 2010

Publication date: September 15, 2011

Inventors: David R. Scholl, Joseph D. Jollick, Laura Gillim-Ross, Jill Taylor, David E. Wentworth

13.5.4 2011: Canine respiratory coronavirus (CRCV) spike protein

Patent number: 7981427

Abstract: A canine respiratory coronavirus (CRCV) that is present in the respiratory tract of dogs with canine infectious respiratory disease and which has a low level of homology to the enteric canine coronavirus, but which has a high level of homology to all bovine coronavirus strains (e.g., Quebec and LY138) and human coronavirus strain OC43.

Type: Grant

Filed: September 26, 2008

Date of Patent: July 19, 2011

Assignee: The Royal Veterinary College

Inventors: John Brownlie, Victoria Jane Chalker, Kerstin Erles

13.5.5 *2010: PEPTIDE COMPOUNDS FOR DETECTING OR INHIBITING SARS CORONAVIRUS AND APPLICATION THEREOF

Publication number: 20100304363

Abstract: Disclosed herein are **peptide compounds** and the application thereof to the **detection and inhibition of SARS coronavirus**. Composed of dipeptides, the compounds for detecting and inhibiting SARS coronavirus can be readily synthesized and produced at low cost. In addition, they can be stored safely for a long period of time. The dipeptide compounds are useful as inhibitors of SARS coronavirus as well as acting as excellent capturing materials of SARS coronavirus.

Type: Application

Filed: May 26, 2010

Publication date: December 2, 2010

Applicant: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

Inventors: Soo-Hyung LEE, Hyo-Bong Hong, Tao-Wan Kim, Myung-Ae Chung, Sung-Woo Sohn, Seoung-Min Yoo

13.5.6 2010: Ribozyme to cleave coronavirus gene

Publication number: 20100273997

Abstract: Provided is a **ribozyme to cleave a coronavirus gene** and a therapeutic agent for a coronavirus infectious disease. A common base sequence in coronaviruses such as SARS-CoV and **MHV** was searched to design a ribozyme including a base sequence complementary thereto. Moreover, a therapeutic agent for a coronavirus infectious disease including such ribozyme was obtained.

Type: Application

Filed: August 9, 2006

Publication date: October 28, 2010

Inventors: Noboru Fukuda, Takahiro Ueno, Akiko Fukushima, Kazumichi Kuroda

13.5.7 2010: SARS CORONAVIRUS, FUSION PROTEINS OF RECOMBINANT STRUCTURAL PROTEINS, THEIR PRODUCTION AND USES

Publication number: 20100150923

Abstract: Fusion proteins of recombinant SARS coronavirus structural proteins, their production and uses are provided. An optimized SARS coronavirus S protein gene which can be highly expressed in the mammalian cell strains and **SARS coronavirus S protein variants** comprising deletion, modification or **mutation** amino acids 318-510 corresponding to SARS coronavirus S protein are also provided.

Type: Application

Filed: June 13, 2006

Publication date: June 17, 2010

Applicant: Chinese Academy of Medical Sciences, Institute of Basic Medical Sciences

Inventors: Chengyu Jiang, Feng Guo, Shuan Rao, Bing Guan, Yi Huan, Peng Yang

13.5.8 2009: CANINE RESPIRATORY CORONAVIRUS (CRCV) SPIKE PROTEIN, POLYMERASE AND HEMAGGLUTININ/ESTERASE

Publication number: 20090081780

Abstract: A canine respiratory coronavirus (CRCV) that is present in the respiratory tract of dogs with canine infectious respiratory disease and which has a low **level of homology to the enteric canine coronavirus**, but which has a high level of homology to all **bovine coronavirus strains** (e.g., Quebec and LY138) and **human coronavirus strain OC43**.

Type: Application

Filed: September 26, 2008

Publication date: March 26, 2009

Applicant: The Royal Veterinary College

Inventors: John Brownlie, Victoria Jane Chalker, Kerstin Erles

13.5.9 2008: Compositions and Methods for Detecting Severe Acute Respiratory Syndrome Coronavirus

Publication number: 20080076115

Abstract: The invention provides compositions and methods for detecting the presence of SARS-coronavirus, for screening anti-SARS coronavirus agents and vaccines, and for reducing infection with plus-strand RNA viruses such as SARS-coronavirus.

Type: Application

Filed: November 3, 2004

Publication date: March 27, 2008

Inventors: David R. Scholl, Joseph D. Jollick, Laura Gillim-Ross, Jill Taylor, David E. Wentworth

13.5.10 2007, US Health and Human Services & CDC Coronavirus Patent

The patenting of coronavirus is a global health risk. Firstly it breaches legislation on biological weapons. It changes the DNA of nature and is used for commercial purposes, otherwise it is not patented. Why would a US government Department of Human Services together with the CDC patent the coronavirus? This occurred in 2007 was this preknowledge? Note that in 2008 the global economic collapse happened. Was this meltdown deliberate given the banks created a sub-prime chain reaction? Was 2019 another 2008? We have to critically think around this if we are right we have a real problem, if wrong, that is fine, no problem. Better to err on the side of critique as a hypothesis. Why did it take 3 years?

Here is the patent if was filed **April 12, 2004 and granted May 22, 2007.**

US007220852B1

(12) **United States Patent**
Rota et al.

(10) **Patent No.:** **US 7,220,852 B1**
 (45) **Date of Patent:** **May 22, 2007**

(54) **CORONAVIRUS ISOLATED FROM HUMANS**

FOREIGN PATENT DOCUMENTS

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WO WO 2004/085633 * 10/2004
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 GenBank Accession No. AY278487, "SARS coronavirus BJ02, partial genome," version AY278487.1, Apr. 21, 2003.*
 Genbank Accession No. AY278554, "SARS coronavirus CUHK-W1, complete genome," version AY278554.1, Apr. 18, 2003.*
 GenBank Accession No. AY278491, "SARS Coronavirus HKU-39849, complete genome," version AY278491.1, Apr. 18, 2003.*
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 GenBank Accession No. AY274119, Apr. 14, 2003.
 GenBank Accession No. AY278741, Apr. 21, 2003.
 "Update: Outbreak of Severe Acute Respiratory Syndrome—Worldwide, 2003," *MMWR Weekly* 52:241-248 (2003).
 Emery et al., "Real-Time Reverse Transcription-Polymerase Chain Reaction Assay for SARS-Associated Coronavirus," *Emerg. Infect. Diseases* 10:311-316 (2004).
 Goldsmith et al., "Ultrastructural Characterization of SARS Coronavirus," *Emerg. Infect. Diseases* 10:320-326 (2004).

(73) **Assignee:** **The United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention**, Washington, DC (US)

Ksiazek et al., "A Novel Coronavirus Associated with Severe Acute Respiratory Syndrome," *N. Eng. J. Med.* 348:1953-1966 (2003).
 Luo and Luo, "Initial SARS Coronavirus Genome Sequence Analysis Using a Bioinformatics Platform," *2nd Asia-Pacific Bioinformatics Conference (APBC2004)*, Dunedin, New Zealand (2004).

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

Marra et al., "The Genome Sequence of the SARS-Associated Coronavirus," *Science* 300:1393-1404 (2003).

(21) **Appl. No.:** **10/822,904**

Supplementary Online Material for Marra et al. <<www.sciencemag.org/cgi/content/full/1085953/DC1>>.

(22) **Filed:** **Apr. 12, 2004**

Rota et al., "Characterization of a Novel Coronavirus Associated with Severe Acute Respiratory Syndrome," *Science* 300:1394-1399 (2003).

Supplementary Online Material for Rota et al. <<www.sciencemag.org/cgi/content/full/1085952/DC1>>.

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Related U.S. Application Data

(60) Provisional application No. 60/465,927, filed on Apr. 25, 2003.

Primary Examiner—Mary E. Mosher
 (74) *Attorney, Agent, or Firm*—Klarquist Sparkman LLP

(51) **Int. Cl.**
C12N 15/50 (2006.01)
C12N 7/00 (2006.01)

(52) **U.S. Cl.** 536/23.72; 435/235.1

(58) **Field of Classification Search** 536/23.72; 514/44; 435/235.1, 320.1

See application file for complete search history.

(56) **References Cited**

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ABSTRACT

Disclosed herein is a newly isolated human coronavirus (SARS-CoV), the causative agent of severe acute respiratory syndrome (SARS). Also provided are the nucleic acid sequence of the SARS-CoV genome and the amino acid sequences of the SARS-CoV open reading frames, as well as methods of using these molecules to detect a SARS-CoV and detect infections therewith. Immune stimulatory compositions are also provided, along with methods of their use.

1 Claim, 7 Drawing Sheets

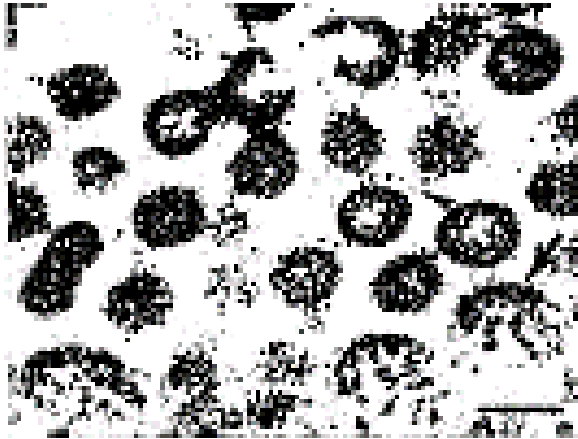


FIG. 2A

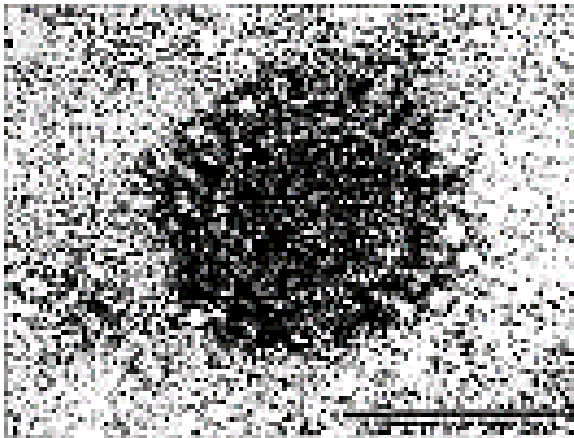


FIG. 2B

Note: The image above looks like the one they show on television. Is this where that image was sourced? The icon gives the impression of solidity at the sub atomic level it is not visible, hence the superfluous nature of masks.

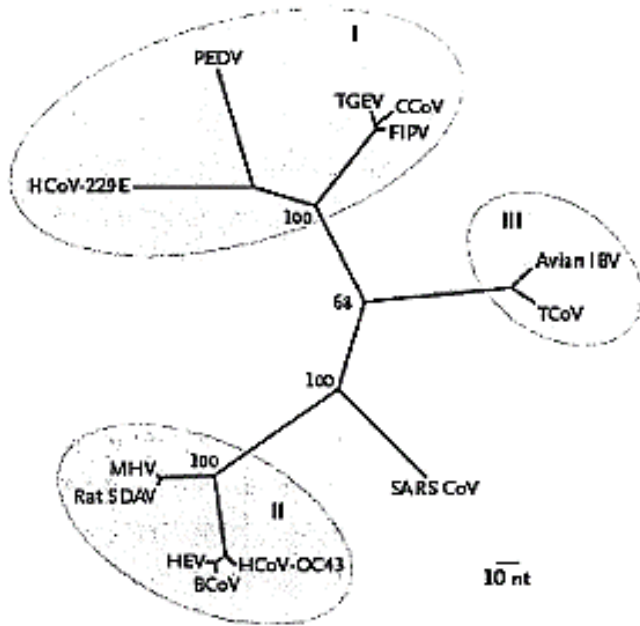


FIG. 3

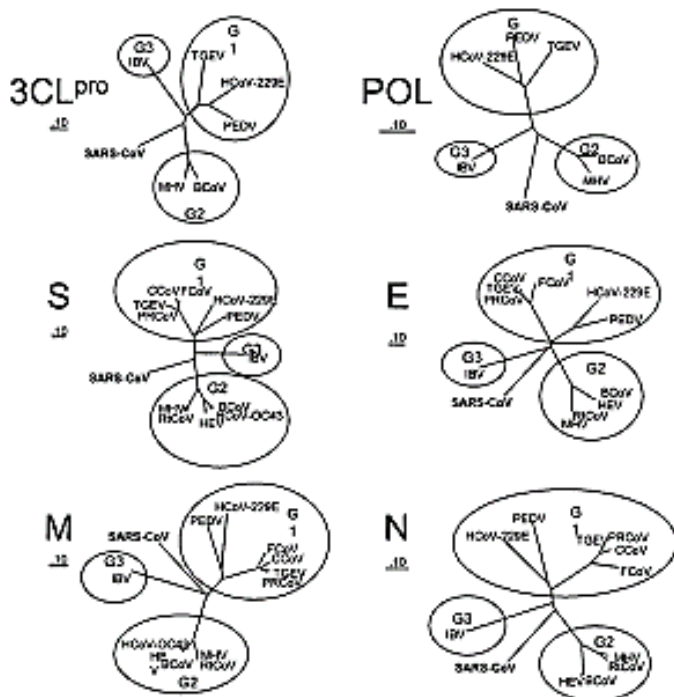


FIG. 4

FIG. 5A

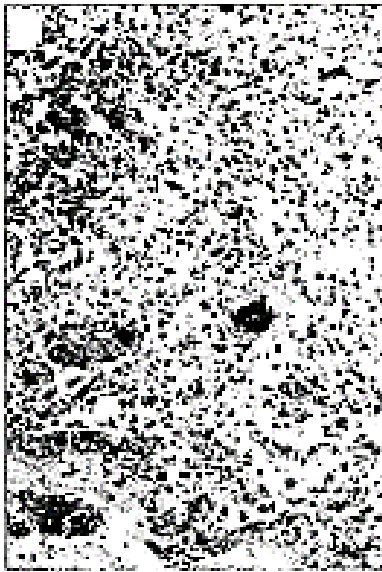


FIG. 5B

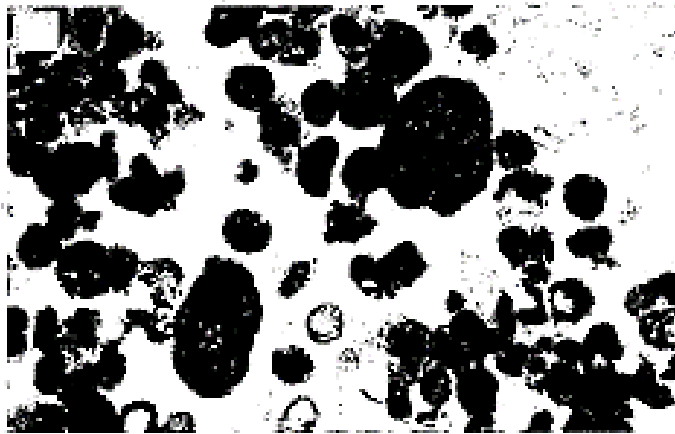


FIG. 5C

CORONAVIRUS ISOLATED FROM HUMANS

PRIORITY CLAIM

This application claims the benefit of U.S. Provisional Patent Application No. 60/465,927 filed Apr. 25, 2003, which is incorporated herein by reference in its entirety.

STATEMENT OF GOVERNMENT SUPPORT

This invention was made by the Centers for Disease Control and Prevention, an agency of the United States Government. Therefore, the U.S. Government has certain rights in this invention.

FIELD OF THE DISCLOSURE

This invention relates to a newly isolated human coronavirus. More particularly, it relates to an isolated coronavirus genome, isolated coronavirus proteins, and isolated nucleic acid molecules encoding the same. The disclosure further relates to methods of detecting a severe acute respiratory syndrome-associated coronavirus and compositions comprising immunogenic coronavirus compounds.

BACKGROUND

The coronaviruses (order *Nidovirales*, family *Coronaviridae*, genus *Coronavirus*) are a diverse group of large, enveloped, positive-stranded RNA viruses that cause respiratory and enteric diseases in humans and other animals. At approximately 30,000 nucleotides (nt), their genome is the largest found in any of the RNA viruses. Coronaviruses are spherical, 100–160 nm in diameter with 20–40 nm complex club shaped surface projections surrounding the periphery. Coronaviruses share common structural proteins including a spike protein (S), membrane protein (M), envelope protein (E), and, in a subset of coronaviruses, a hemagglutinin-esterase protein (HE). The S protein, a glycoprotein which protrudes from the virus membrane, is involved in host cell receptor binding and is a target for neutralizing antibodies. The E and M proteins are involved in virion formation and release from the host cell. Coronavirus particles are found within the cisternae of the rough endoplasmic reticulum and in vesicles of infected host cells where virions are assembled. The coronavirus genome consists of two open reading frames (ORF1a and ORF1b) yielding an RNA polymerase and a nested set of subgenomic mRNAs encoding structural and nonstructural proteins, including the S, E, M, and nucleocapsid (N) proteins. The genus *Coronavirus* includes at least 13 species which have been subdivided into at least three groups (groups I, II, and III) on the basis of serological and genetic properties (deVries et al., *Sci. Prod.* 8:55–47, 1997; Fields et al. eds. *Fields Virology*, 3rd edition, Raven Press, Philadelphia, 1323–1341, 1996; Mahey and Collier eds. *Microbiology and Microbial Infections*, Volume 1 Virology, 9th edition, Oxford University Press, 463–479, 1998).

The three known groups of coronavirus are associated with a variety of diseases of humans and domestic animals (for example, cattle, pigs, cats, dogs, rodents, and birds), including gastroenteritis and upper and lower respiratory tract disease. Known coronaviruses include human Coro-

OC43), bovine coronavirus (BCoV), porcine hemagglutinating encephalomyelitis virus (HEV), rat sialodacryoadenitis virus (SDAV), mouse hepatitis virus (MHV), turkey coronavirus (TCoV), and avian infectious bronchitis virus (IBV-Avian) (Fields et al. eds. *Fields Virology*, 3rd edition, Raven Press, Philadelphia, 1323–1341, 1996; Mahey and Collier eds. *Microbiology and Microbial Infections*, Volume 1 Virology, 9th edition, Oxford University Press, 463–479, 1998).

Coronavirus infections are generally host specific with respect to infectivity and clinical symptoms. Coronaviruses further exhibit marked tissue tropism; infection in the incorrect host species or tissue type may result in an abortive infection, mutant virus production and altered virulence. Coronaviruses generally do not grow well in cell culture, and animal models for human coronavirus infection are lacking. Therefore, little is known about them (Fields et al. eds. *Fields Virology*, 3rd edition, Raven Press, Philadelphia, 1323–1341, 1996). The known human coronaviruses are notably fastidious in cell culture, preferring select cell lines, organ culture, or suckling mice for propagation. Coronaviruses grown in cell culture exhibit varying degrees of virulence and/or cytopathic effect (CPE) depending on the host cell type and culture conditions. The only human or animal coronavirus which has been shown to grow in Vero E6 cells is PEDV, and it requires the addition of trypsin to culture medium for growth in Vero E6 cells. Moreover, PEDV adapted to Vero E6 cell culture results in a strikingly different CPE, with cytoplasmic vacuoles and the formation of large syncytia (Hofmann and Wyler, *J. Clin. Micro.* 26:2235–39, 1988; Kusnagi et al., *J. Vet. Med. Sci.* 55: 313–18, 1991).

Coronaviruses have not previously been known to cause severe disease in humans, but have been identified as a major cause of upper respiratory tract illness, including the common cold. Repeat infections in humans are common within and across serotype, suggesting that immune response to coronavirus infection in humans is either incomplete or short lived. Coronavirus infection in animals can cause severe enteric or respiratory disease. Vaccination has been used successfully to prevent and control some coronavirus infections in animals. The ability of animal-specific coronaviruses to cause severe disease raises the possibility that coronavirus could also cause more severe disease in humans (Fields et al. eds. *Fields Virology*, 3rd edition, Raven Press, Philadelphia, 1323–1341, 1996; Mahey and Collier eds. *Microbiology and Microbial Infections*, Volume 1 Virology, 9th edition, Oxford University Press, 463–479, 1998).

In late 2002, cases of life-threatening respiratory disease with no identifiable etiology were reported from Guangdong Province, China, followed by reports from Vietnam, Canada, and Hong Kong, of severe febrile respiratory illness that spread to household members and health care workers. The syndrome was designated “severe acute respiratory syndrome” (SARS) in February 2003 by the Centers for Disease Control and Prevention (*MMWR*, 52:241–48, 2003).

Past efforts to develop rapid diagnostics and vaccines for coronavirus infection in humans have been hampered by a lack of appropriate research models and the moderate course of disease in humans. Therefore, a need for rapid diagnostic tests and vaccines exists.

SUMMARY OF THE DISCLOSURE

A newly isolated human coronavirus has been identified as the causative agent of SARS, and is tented SARS-CoV.

navirus 229E (HCoV-229E), canine coronavirus (CCoV), feline infectious peritonitis virus (FIPV), porcine transmissible gastroenteritis virus (TGEV), porcine epidemic diarrhea virus (PEDV), human coronavirus OC43 (HCoV-

The nucleic acid sequence of the SARS-CoV genome and the amino acid sequences of the SARS-CoV open reading frames are provided herein.

This disclosure provides methods and compositions useful in detecting the presence of a SARS-CoV nucleic acid in a sample and/or diagnosing a SARS-CoV infection in a subject. Also provided are methods and compositions useful in detecting the presence of a SARS-CoV antigen or antibody in a sample and/or diagnosing a SARS-CoV infection in a subject.

The foregoing and other features and advantages will become more apparent from the following detailed description of several embodiments, which proceeds with reference to the accompanying figures.

BRIEF DESCRIPTION OF THE FIGURES

FIGS. 1A-B are photomicrographs illustrating typical early cytopathic effects seen with coronavirus isolates and serum from SARS patients. FIG. 1A is a photomicrograph of Vero E6 cells inoculated with an oropharyngeal specimen from a SARS patient (x40). FIG. 1B is a photomicrograph of infected Vero E6 cells reacting with the serum of a convalescent SARS patient in an indirect fluorescent antibody (IFA) assay (x400).

FIGS. 2A-B are electronmicrographs illustrating ultrastructural characteristics of the SARS-associated coronavirus (SARS-CoV). FIG. 2A is a thin-section electron-microscopical view of viral nucleocapsids aligned along the membrane of the rough endoplasmic reticulum (arrow) as particles bud into the cisternae. Enveloped virions have surface projections (arrowhead) and an electron-lucent center. Directly under the viral envelope lies a characteristic ring formed by the helical nucleocapsid, often seen in cross-section. FIG. 2B is a negative stain (methylamine tungstate) electronmicrograph showing stain-penetrated coronavirus particle with the typical internal helical nucleocapsid-like structure and club-shaped surface projections surrounding the periphery of the particle. Bars: 100 nm.

FIG. 3 is an estimated maximum parsimony tree illustrating putative phylogenetic relationships between SARS-CoV and other human and animal coronaviruses. Phylogenetic relationships are based on sequence alignment of 405 nucleotides of the coronavirus polymerase gene ORF1b (nucleic acid 15,173 to 15,578 of SEQ ID NO: 1). The three major coronavirus antigenic groups (I, II and III), represented by HCoV-229E, CCov, FIPV, TGEV, PEDV, HCoV-OC43, BCoV, HEV, SDcV, MHV, TCoV, and IBV-Avian, are shown shaded. Bootstrap values (100 replicates) obtained from a 50% majority rule consensus tree are plotted at the main internal branches of the phylogram. Branch lengths are proportionate to nucleotide differences.

FIG. 4 is a pictorial representation of neighbor joining trees illustrating putative phylogenetic relationships between SARS-CoV and other human and animal coronaviruses. Amino acid sequences of the indicated SARS-CoV proteins were compared with those from reference viruses representing each species in the three groups of coronaviruses for which complete genomic sequence information was available [group 1: HCoV-229E (AF304460), PEDV (AF353511), TGEV (AJ271965); group 2: BCoV (AF220295), MHV (AF201929); group 3: infectious bronchitis virus (M95169)]. Sequences for representative strains of other coronavirus species, for which partial sequence information was available, were included for some of the structural protein comparisons [group 1: CCov (D13096),

FCov (AY204704), porcine respiratory coronavirus (Z24675); group 2: HCoV-OC43 (M76373, L14643, M93590); HEV (AY078417); rat coronavirus (AF207551)]. Sequence alignments and neighbor-joining trees were gen-

erated by using ClustalX 1.83 with the Gonnet protein comparison matrix. The resulting trees were adjusted for final output using treeview 2.0.1.

FIGS. 5A-C are photomicrographs illustrating diffuse alveolar damage in a patient with SARS (FIGS. 5A-B), and immunohistochemical staining of SARS-CoV-infected Vero E6 cells (FIG. 5C). FIG. 5A is a photomicrograph of lung tissue from a SARS patient (x50). Diffuse alveolar damage, abundant foamy macrophages and multinucleated syncytial cells are present; hematoxylin and eosin stain was used. FIG. 5B is a higher magnification photomicrograph of lung tissue from the same SARS patient (x250). Syncytial cells show no conspicuous viral inclusions. FIG. 5C is a photomicrograph of immunohistochemically stained SARS-CoV-infected cells (x250). Membranous and cytoplasmic immunostaining of individual and syncytial Vero E6 cells was achieved using feline anti-FIPV-1 ascitic fluid. Immunalkaline phosphatase with naphthol-fast red substrate and hematoxylin counter stain was used.

FIG. 6A-B are electronmicrographs illustrating ultrastructural characteristics of a coronavirus-infected cell in bronchoalveolar lavage (BAL) from a SARS patient. FIG. 6A is an electronmicrograph of a coronavirus-infected cell. Numerous intracellular and extracellular particles are present; virions are indicated by the arrowheads. FIG. 6B is a higher magnification electronmicrograph of the area seen at the arrow in FIG. 6A (rotated clockwise approximately 90°). Bars: FIG. 6A, 1 µm; FIG. 6B, 100 nm.

FIGS. 7A-C illustrate the organization of the SARS-CoV genome. FIG. 7A is a diagram of the overall organization of the 29,727-nt SARS-CoV genomic RNA. The 72-nt leader sequence is represented as a small rectangle at the left-most end. ORF1a and 1b, encoding the nonstructural polyproteins, and those ORFs encoding the S, E, M, and N structural proteins, are indicated. Vertical position of the boxes indicates the phase of the reading frame (phase 1 for proteins above the line, phase two for proteins on the line and phase three for proteins below the line). FIG. 7B is an expanded view of the structural protein encoding region and predicted mRNA transcripts. Known structural protein encoding regions (dark grey boxes) and regions and reading frames for potential products X1-X5 (light grey boxes) are indicated. Lengths and map locations of the 3'-terminal mRNAs expressed by the SARS-CoV are indicated, as predicted by identification of conserved transcriptional regulatory sequences. FIG. 7C is a digitized image of a nylon membrane showing Northern blot analysis of SARS-CoV mRNAs. Poly(A)+ RNA from infected Vero E6 cells was separated on a formaldehyde-agarose gel, transferred to a nylon membrane, and hybridized with a digoxigenin-labeled riboprobe overlapping the 3'-untranslated region. Signals were visualized by chemiluminescence. Sizes of the SARS-CoV mRNAs were calculated by extrapolation from a log-linear fit of the molecular mass marker. Lane 1, SARS-CoV mRNA; lane 2, Vero E6 cell mRNA; lane 3, molecular mass marker, sizes in kb.

SEQUENCE LISTING

The nucleic and amino acid sequences listed in the accompanying sequence listing are shown using standard letter abbreviations for nucleotide bases, and three letter code for amino acids, as defined in 37 C.F.R. 1.822. Only one strand of each nucleic acid sequence is shown, but the complementary strand is understood as included by any reference to the displayed strand. In the accompanying sequence listing:

Note: :see Attachments for patent full information

13.5.11 2007: Canine Respiratory Coronavirus (Crcv) Spike Protein, Polymerase and Hemagglutinin/Esterase

Publication number: 20070248616

Abstract: A canine respiratory coronavirus (CRCV) that is present in the respiratory tract of dogs with canine infectious respiratory disease and which has a low level of homology to the enteric canine coronavirus, but which has a high level of homology to all bovine coronavirus strains (e.g. Quebec and LY138) and human coronavirus strain OC43. The CRCV spike, polymerase and hemagglutinin/esterase cDNA and protein partial sequences are listed in FIGS. (1) to (4), (13) and (14).

Type: Application

Filed: July 1, 2003

Publication date: October 25, 2007

Inventors: John Brownlie, Victoria Chalker, Kerstin Erles

13.5.12 2006: Baric Methods and compositions for infectious cDNA of SARS coronavirus

Publication number: 20060240530

Abstract: The present invention provides a cDNA of a severe acute respiratory syndrome (SARS) coronavirus, recombinant SARS coronavirus vectors, and SARS coronavirus replicon particles. Also provided are methods of making the compositions of this invention and methods of using the compositions as immunogens and/or vaccines and/or to express heterologous nucleic acids.

Type: Application

Filed: January 19, 2006

Publication date: October 26, 2006

Inventors: Ralph Baric, Rhonda Roberts, Boyd Yount, Kristopher Curtis
North Carolina University

13.5.13 2006: Vaccine compositions and methods of treating coronavirus infection

Note: It is interesting that the SARS was caused by the coronavirus. In the media they refer to COVID-19 as coronavirus but infrequently SARS-CoV-2 as the cause of COVID because a coronavirus caused it. So it is two descriptors. This patent words it as: "...The present invention also relates to treatments for severe acute respiratory syndrome caused by a coronavirus, and particularly to treatments that affect the infectivity activity of the SARS-coronavirus.

Publication number: 20060286124

Abstract: The present disclosure relates to compositions and methods for treating or preventing coronavirus infections. For example, compositions are provided that comprise a coronavirus S protein or N protein, fragment, or variant thereof, capable of eliciting a protective humoral and/or cell-mediated immune response, which compositions are useful for treating or preventing infection by coronavirus, such as the causative agent of SARS. Also, coronavirus S protein and N protein immunogen compositions are provided that include an adjuvant, such as Proteosome or Protollin, which may be used for treating or preventing infection caused by a coronavirus, such as a SARS coronavirus.

Type: Application

Filed: June 30, 2005

Publication date: December 21, 2006

Applicant: ID Biomedical Corporation of Quebec

Inventors: David Burt, Mark Reddish, Mary Hu, George Lowell, David Jones

13.5.14 2005: Uncharacterized ORF3 in SARS-coronavirus is a cyclic-AMP-dependent kinase and a target for SARS therapy

Patent number: 7504205

Publication number: 20050276818

Abstract: The present invention relates to **novel methods** for identifying antiviral agents which selectively **interfere with viral proteins** that cause the unique infectivity activity of the SARS-coronavirus in comparison to other **non-SARS strains of coronavirus**. In particular, the present invention relates to screening assays that identify agents which selectively **inhibit cyclic-AMP** dependent protein kinase activity of the SARS-coronavirus ORF3. The present invention also relates to screening assays that **identify agents** which selectively inhibit the interaction between SARS-coronavirus cyclic-AMP dependent protein kinase and a **calcium dependent targeting molecule**. Therefore the agents identified using the assays of the invention may have utility as antiviral agents. The present invention also relates to treatments for severe acute respiratory syndrome caused by a coronavirus, and particularly to treatments that affect the infectivity activity of the SARS-coronavirus.

Type: Grant

Filed: May 17, 2005

Date of Patent: March 17, 2009

Publication date: December 15, 2005

Assignee: The Burnham Institute

Inventors: Adam Godzik, Sergey Sikora

13.5.15 2005: Compositions and methods for detecting severe acute respiratory syndrome coronavirus

Publication number: 20050095582

Abstract: The invention provides compositions and methods for **detecting the presence of SARS-coronavirus**, for screening anti-SARS coronavirus agents and vaccines, and for reducing infection with plus-strand RNA viruses such as SARS-coronavirus.

Type: Application

Filed: November 3, 2003

Publication date: May 5, 2005

Applicants: Diagnostic Hybrids, Inc., Health Research Incorporated

Inventors: Laura Gillim-Ross, Jill Taylor, David Scholl, David Wentworth, Joseph Jollick

13.5.16 2005: Compositions and methods for treating coronavirus infection and SARS

Publication number: 20050002901

Abstract: The present invention provides **methods of treating a coronavirus infection**, and methods of reducing viral load, or reducing the time to viral clearance, or reducing morbidity or mortality in the clinical outcomes, in patients suffering from a coronavirus infection. The present invention further provides **methods of reducing the risk** that an individual will develop a pathological coronavirus infection, that has clinical sequelae. The present invention further provides methods of reducing the risk that an individual will develop SARS. The present invention further provides methods of treating SARS. The methods generally involve administering a therapeutically effective amount of a Type I or Type III **interferon receptor** agonist and/or a Type II interferon receptor agonist for the treatment of a coronavirus infection.

Type: Application

Filed: March 30, 2004

Publication date: January 6, 2005

Inventor: Lawrence Blatt

13.5.17 1986: Inactivated canine coronavirus vaccine

Patent number: 4567042

Abstract: An efficacious parenterally administered **inactivated canine coronavirus vaccine** which provides systemic, humoral protection and also protection of the **intestinal tract in dogs** from infection by **virulent** canine coronavirus is produced. A method for propagation of the canine coronavirus and its attenuation and a method of evaluating the effectiveness of a canine coronavirus vaccine in canines is also disclosed.

Type: Grant

Filed: June 7, 1984

Date of Patent: January 28, 1986

Assignee: American Home Products Corporation

Inventors: William M. Acree, Bobby Edwards, John W. Black

14.0 HIV WEAKENS THE IMMUNE SYSTEM

14.1 Indian Institute of Technology Research and HIV

Note: What is interesting is the researchers find inserts, clearly indicating 2019-Cov is lab created. They indicate an alignment with HIV, as follows: "...We then translated the aligned genome and found that these inserts are present in all Wuhan 2019-nCoV viruses except the 2019-nCoV virus of Bat as a host [Fig.S4]. Intrigued by the 4 highly conserved inserts unique to 2019-nCoV we wanted to understand their origin. For this purpose, we used the 2019-nCoV local alignment with each insert as query against all virus genomes and considered hits with 100% sequence coverage. Surprisingly, each of the four inserts aligned with short segments of the Human immunodeficiency Virus-1 (HIV-1) proteins..." Is the reference to bats the reason why HIV wasn't found before? The researchers advise a thorough investigation as the inserts create cell binding and additional survival and infectivity (SPREAD): "...The current outbreak of 2019-nCoV warrants a thorough investigation and understanding of its ability to infect human beings. Keeping in mind that there has been a clear change in the preference of host from previous coronaviruses to this virus, we studied the change in spike protein between 2019-nCoV and other viruses. We found four new insertions in the S protein of 2019-nCoV when compared to its nearest relative, SARS CoV. The genome sequence from the recent 28 clinical isolates showed that the sequence coding for these insertions are conserved amongst all these isolates. This indicates that these insertions have been preferably acquired by the 2019-nCoV, providing it with additional survival and infectivity advantage. Delving deeper we found that these insertions were similar to HIV-1..." This indicates 2019-Cov (or SARS-CoV-2) has been designed to spread and survive so that the pandemic keeps going. This means future mutants are likely to be lab created. This appears from the research to be a bioweapon that has been designed to remove citizens rights and freedoms as a bio-surveillance system is implemented and our society engineered to become distant from each other, to give up rights and come under a regime that has no hesitation in disrupting the world for profit. Perhaps greed is the real virus here.

Indian Institute of Technology, 4 Inserts

Now, the "reckless negligence" has resulted in a massive number of deaths, just as Horowitz forewarned, as corroborated by [new genetic analyses published](#) by a team of gene-sequencing experts affiliated with the Indian Institute of Technology (IIT), the University of New Delhi, IBM, and New York University at Stonybrook. The team's nine experts, led by Prashant Pradham, the Chief Technical Officer for IBM in Asia, used the WATSON computer to identify a 'smoking-gun' in the new coronavirus.



Prashant Pradhan

Vice President and CTO, Asia Pacific at IBM

Singapore · 500+ connections

Education



State University of New York at Stony Brook
Doctor of Philosophy (PhD) · Computer Science
1996 – 2001



Indian Institute of Technology, Delhi
Bachelor of Technology (BTech) · Computer Science
1992 – 1996

Experience



Vice President and CTO, Asia Pacific
IBM
Aug 2018 – Present · 1 year 7 months
Singapore



CTO, IBM India South Asia
IBM
Aug 2017 – Jul 2018 · 1 year
Bengaluru Area, India



Executive Director, Watson and Cloud
IBM
Feb 2017 – Aug 2017 · 7 months
Bengaluru Area, India



Watson business leader, IBM India South Asia
IBM
Jan 2016 – Jan 2017 · 1 year 1 month
Bangalore



IBM



State University of New York at Stony Brook

2019 Coronavirus data analyst

The IIT study found an **AIDS-virus envelope gene** that could only have joined the coronavirus through **genetic mutations** engineered in a lab, such as the one in Wuhan.

Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag

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Abstract:

We are currently witnessing a major epidemic caused by the 2019 novel coronavirus (2019-nCoV). The evolution of 2019-nCoV remains elusive. We found 4 insertions in the spike glycoprotein (S) which are unique to the 2019-nCoV and are not present in other coronaviruses. Importantly, amino acid residues in all the 4 inserts have identity or similarity to those in the HIV-1 gp120 or HIV-1 Gag. Interestingly, despite the inserts being discontinuous on the primary amino acid sequence, 3D-modelling of the 2019-nCoV suggests that they converge to constitute the receptor binding site. The finding of 4 unique inserts in the 2019-nCoV, all of which have identity /similarity to amino acid residues in key structural proteins of HIV-1 is unlikely to be fortuitous in nature. This work provides yet unknown insights on 2019-nCoV and sheds light on the evolution and pathogenicity of this virus with important implications for diagnosis of this virus.

"There's now no doubt the 2019 coronavirus is a lab virus," Dr. Horowitz says, vindicated against [skeptics](#) by Pradham's study.

Extract from the paper:

Introduction

Coronaviruses (CoV) are **single-stranded positive-sense RNA** viruses that infect animals and humans. These are classified into 4 genera based on their host specificity: **Alphacoronavirus**, **Betacoronavirus**, **Deltacoronavirus** and **Gammacoronavirus** (Snijder et al., 2006). There are seven known types of CoVs that includes 229E and NL63 (Genus Alphacoronavirus), OC43, HKU1, MERS and SARS (Genus Betacoronavirus). While 229E, NL63, OC43, and HKU1 commonly **infect humans**, the SARS and MERS outbreak in 2002 and 2012 respectively occurred when the virus crossed-over from animals to humans causing significant mortality (J. Chan et al., n.d.; J. F. W. Chan et al., 2015). In December 2019, another outbreak of coronavirus was reported from Wuhan, China that also transmitted from animals to humans. This new virus has been temporarily termed as 2019-novel Coronavirus (2019-nCoV) by the World Health Organization (WHO) (J. F. W. Chan et al., 2020; Zhu et al., 2020). While there are several hypotheses about the origin of 2019-nCoV, the source of this ongoing outbreak remains elusive.

The **transmission patterns** of 2019-nCoV is similar to patterns of transmission documented in the previous outbreaks including by bodily or aerosol contact with persons infected with the virus. Cases of mild to severe illness, and death from the infection have been reported from Wuhan. This outbreak has spread rapidly distant nations including France, Australia and USA among others. The number of cases within and outside China are increasing steeply. Our current understanding is limited to the virus genome sequences and modest epidemiological and clinical data. Comprehensive analysis of the available 2019- nCoV sequences may provide important clues that may help advance our current understanding to manage the ongoing outbreak.

The spike glycoprotein (S) of coronavirus is cleaved into two subunits (S1 and S2). The S1 subunit helps in receptor binding and the S2 subunit facilitates membrane fusion (Bosch et al., 2003; Li, 2016). The spike glycoproteins of coronaviruses are important determinants of tissue tropism and host range. In addition the spike glycoproteins are critical targets for vaccine development (Du et al., 2013). For this reason, the **spike proteins** represent the most extensively studied among coronaviruses. We therefore sought to investigate the spike glycoprotein of the 2019-nCoV to understand its evolution, **novel features** sequence and structural features using computational tools.

Methodology

Retrieval and alignment of nucleic acid and protein sequences

We retrieved all the available coronavirus sequences (n=55) from **NCBI viral genome database** (<https://www.ncbi.nlm.nih.gov/>) and we used the GISAID (Elbe & Buckland-Merrett, 2017)[<https://www.gisaid.org/>] to retrieve all available **full-length sequences** (n=28) of 2019-nCoV as on **27 Jan 2020**. Multiple sequence alignment of all coronavirus genomes was performed by using MUSCLE software (Edgar, 2004) based on neighbour joining method. Out of 55 coronavirus genome 32 representative genomes of all category were used for phylogenetic tree development using MEGAX software (Kumar et al., 2018). The closest relative was found to be SARS CoV. The glycoprotein region of SARS CoV and 2019-nCoV were aligned and visualized using Multalin software (Corpet, 1988). The identified amino acid and nucleotide sequence were aligned with whole viral genome database using BLASTp and BLASTn. The conservation of the nucleotide and amino acid motifs in 28 clinical variants of 2019-nCoV genome were presented by performing multiple sequence alignment using MEGAX software. The three dimensional structure of 2019-nCoV glycoprotein was generated by using SWISS-MODEL online server (Biasini et al., 2014) and the structure was marked and visualized by using PyMol (DeLano, 2002).

Results

Uncanny similarity of novel inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag

Our phylogentic tree of full-length coronaviruses suggests that 2019-nCoV is closely related to SARS CoV [Fig1]. In addition, other recent studies have linked the 2019-nCoV to SARS CoV. We therefore compared the spike glycoprotein sequences of the 2019-nCoV to that of the SARS CoV (NCBI Accession number: **AY390556.1**). On careful examination of the sequence alignment we found that the 2019- nCoV spike glycoprotein contains **4 insertions** [Fig.2]. To further investigate if these inserts are present in any other corona virus, we performed a multiple sequence alignment of the spike glycoprotein amino acid sequences of all available coronaviruses (n=55) [refer Table S.File1] in NCBI refseq (ncbi.nlm.nih.gov) this includes one

sequence of 2019-nCoV[Fig.S1]. We found that these 4 insertions [inserts 1, 2, 3 and 4] are **unique** to 2019-nCoV and are **not present in other coronaviruses** analyzed.

Another **group from China had documented three insertions** comparing fewer spike glycoprotein sequences of coronaviruses (Zhou et al., 2020).

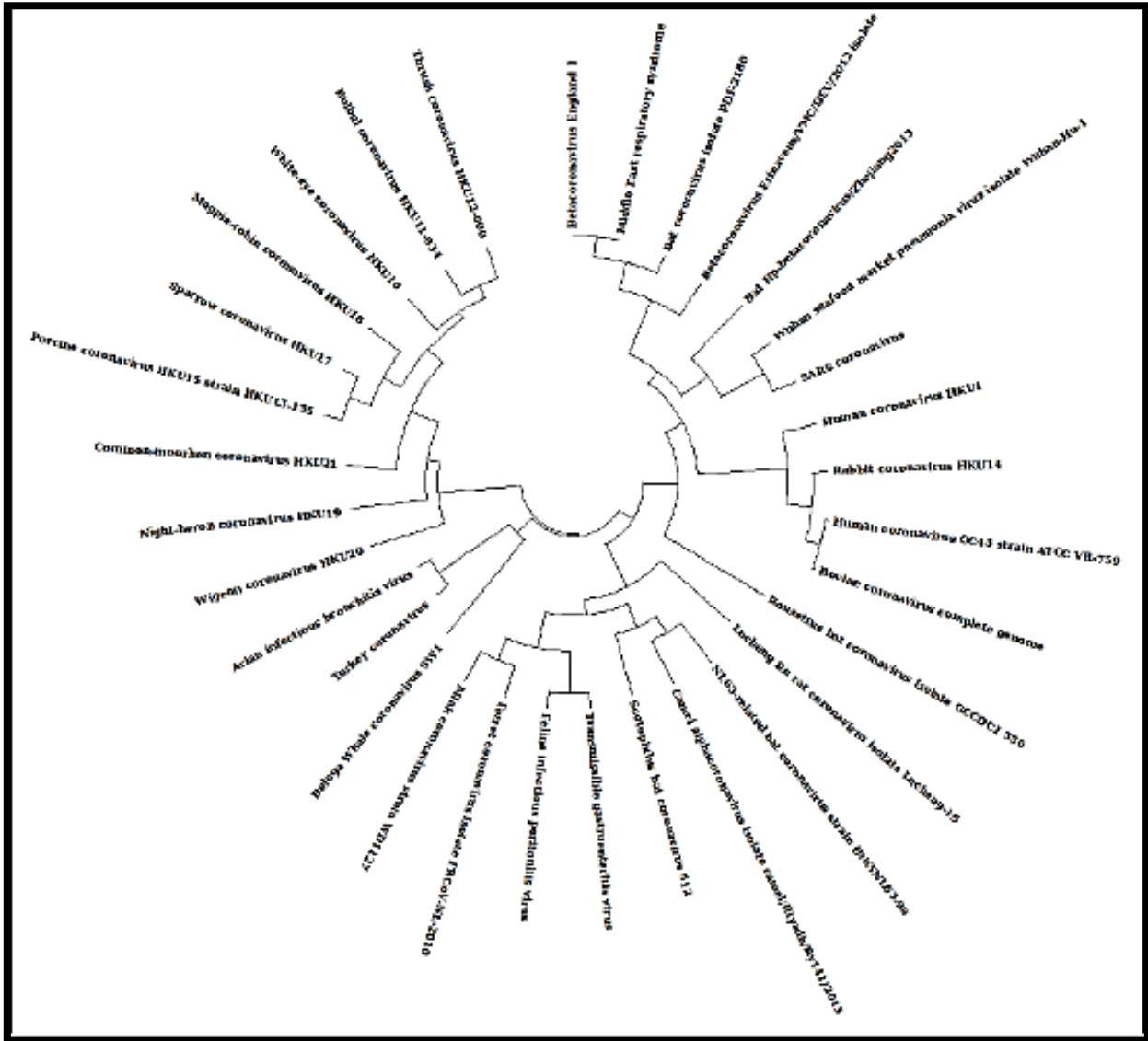


Figure 1: Maximum likelihood genealogy show the evolution of 2019- nCoV: The evolutionary history was inferred by using the Maximum Likelihood method and JTT matrix-based model. The tree with the highest log likelihood (12458.88) is shown. Initial tree(s) for the heuristic search were obtained automatically by applying Neighbor-Join and BioNJ algorithms to a matrix of pairwise distances estimated using a JTT model, and then selecting the topology with superior log likelihood value. This analysis involved 5 amino acid sequences. There were a total of 1387 positions in the final dataset. Evolutionary analyses were conducted in MEGA X.

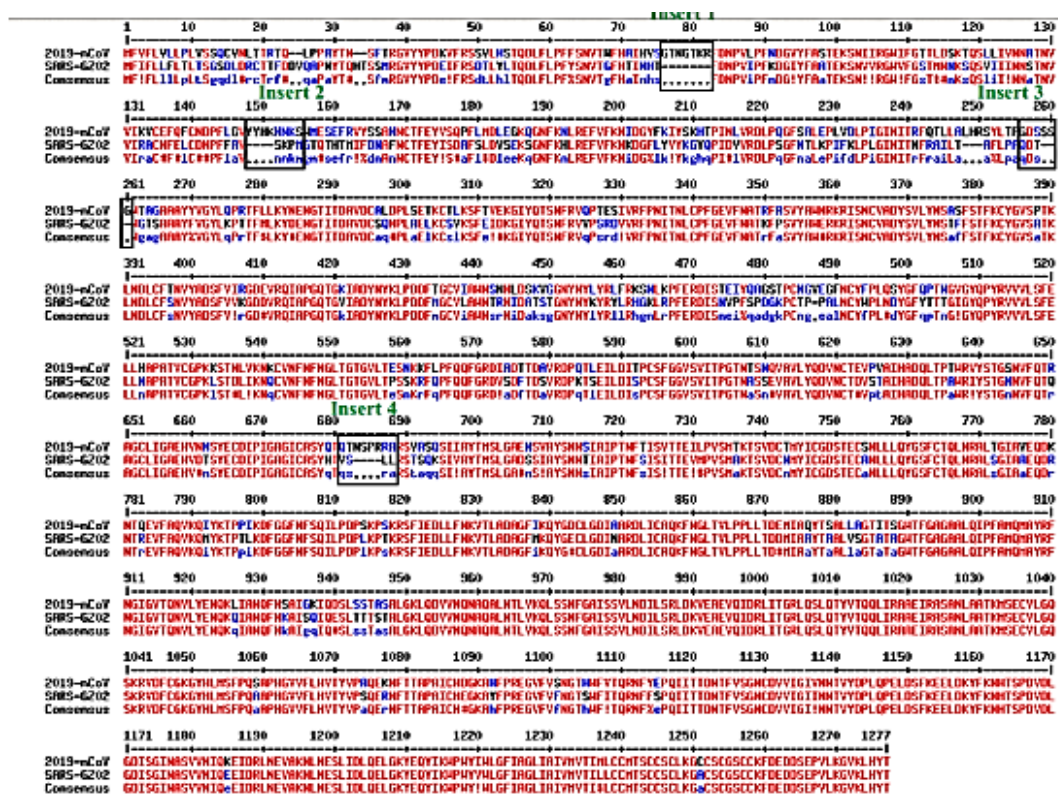


Figure 2: Multiple sequence alignment between spike proteins of 2019-nCoV and SARS. The sequences of spike proteins of 2019-nCoV (Wuhan-HU-1, Accession NC_045512) and of SARS CoV (GZ02, Accession AY390556) were aligned using MultiAlin software. The sites of difference are highlighted in boxes.

We then analyzed all available full-length sequences (n=28) of 2019-nCoV in GISAID (Elbe & Buckland-Merrett, 2017) as on January 27, 2020 for the presence of these inserts. As most of these sequences are not annotated, we compared the nucleotide sequences of the spike glycoprotein of all available 2019-nCoV sequences using BLASTp. Interestingly, all the 4 inserts were absolutely (100%) conserved in all the available 2019-nCoV sequences analyzed [Fig.S2, Fig.S3].

We then translated the aligned genome and found that these **inserts are present in all Wuhan 2019-nCoV viruses except** the 2019-nCoV virus of **Bat** as a host [Fig.S4]. Intrigued by the 4 highly conserved inserts unique to 2019-nCoV we wanted to understand their origin. For this purpose, we used the 2019-nCoV local alignment with each insert as query against all virus genomes and considered hits with 100% sequence coverage. Surprisingly, each of the four inserts aligned with short segments of the Human immunodeficiency Virus-1 (HIV-1) proteins. The amino acid positions of the inserts in 2019-nCoV and the corresponding residues in HIV-1 gp120 and HIV-1 Gag are shown in Table 1. The first 3 inserts (insert 1,2 and 3) aligned to short segments of amino acid residues in HIV-1 gp120. The insert 4 aligned to HIV-1 Gag. The insert 1 (6 amino acid residues) and insert 2 (6 amino acid residues) in the spike glycoprotein of 2019-nCoV are 100% identical to the residues mapped to HIV-1 gp120. The insert 3 (12 amino acid residues) in 2019-nCoV maps to HIV-1 gp120 with gaps [see Table 1]. The insert 4 (8 amino acid residues) maps to HIV-1 Gag with gaps.

Although, the 4 inserts represent discontinuous short stretches of amino acids in spike glycoprotein of 2019-nCoV, the fact that all three of them **share amino acid identity or similarity with HIV-1 gp120 and HIV-1 Gag** (among all annotated virus proteins) suggests that this is not a

random fortuitous finding. In other words, one may sporadically expect a fortuitous match for a stretch of 6-12 contiguous amino acid residues in an unrelated protein. However, it is unlikely that all 4 inserts in the 2019-nCoV spike glycoprotein fortuitously match with 2 key structural proteins of an unrelated virus (HIV-1).

The amino acid residues of inserts 1, 2 and 3 of 2019-nCoV spike glycoprotein that mapped to HIV-1 were a part of the V4, V5 and V1 domains respectively in gp120 [Table 1]. Since the 2019-nCoV inserts mapped to variable regions of HIV-1, they were not ubiquitous in HIV-1 gp120, but were limited to selected sequences of HIV-1 [refer S.File1] primarily from Asia and Africa. The HIV-1 Gag protein enables interaction of virus with negatively charged host surface (Murakami, 2008) and a high positive charge on the Gag protein is a key feature for the host-virus interaction. On analyzing the pI values for each of the 4 inserts in 2019-nCoV and the corresponding stretches of amino acid residues from HIV-1 proteins we found that a) the pI values were very similar for each pair analyzed b) most of these pI values were 10±2 [Refer Table 1] . Of note, despite the gaps in inserts 3 and 4 the pI values were comparable. This uniformity in the pI values for all the 4 inserts merits further investigation.

As none of these 4 inserts are present in any other coronavirus, the genomic region encoding these inserts represent ideal candidates for designing primers that can distinguish 2019-nCoV from other coronaviruses.

Motif	Virus Glycoprotein	Motif Alignment	HIV protein and Variable region	HIV Genome Source Country/ subtype	Number of Polar Residues	Total Charge	pI Value
Insert 1	2019- nCoV (GP) HIV I(GP120)	71 76 TNGTKR TNGTKR 404 409	gp120- V4	Thailand */ CRF01_ AE	5 5	2 2	11 11
Insert 2	2019- nCoV (GP) HIV I(GP120)	145 150 HKNNKS HKNNKS 462 467	gp120- V5	Kenya*/ G	6 6	2 2	10 10
Insert 3	2019- nCoV (GP) HIV I(GP120)	245 256 RSYL----TPGDSSSG RTYLFNE TRGNSSSG 136 150	gp120- V1	India*/C	8 10	2 1	10.84 8.75
Insert 4	2019- nCoV (Poly P) HIV I(gag)	676 684 QTNS-----PRRA QTNSSILMQRSNFKG PRRA 366 384	Gag	India*/C	6 12	2 4	12.00 12.30

Table 1: Aligned sequences of 2019-nCoV and gp120 protein of HIV-1 with their positions in primary sequence of protein. All the inserts have a high density of positively charged residues. The deleted fragments in insert 3 and 4 increase the positive charge to surface area ratio. *please see Supp. Table 1 for accession numbers

The novel inserts are part of the receptor binding site of 2019-nCoV

To get structural insights and to understand the **role** of these insertions in 2019-nCoV glycoprotein, we modelled its structure based on available structure of SARS spike glycoprotein (PDB: 6ACD.1.A). The comparison of the modelled structure reveals that although inserts 1,2 and 3 are at non-contiguous locations in the protein primary sequence, they fold to constitute the part of glycoprotein binding site that **recognizes the host receptor** (Kirchdoerfer et al., 2016) (Figure 4). The insert 1 corresponds to the NTD (N-terminal domain) and the inserts 2 and 3 correspond to the CTD (C-terminal domain) of the S1 subunit in the 2019-nCoV spike glycoprotein. The insert 4 is at the junction of the SD1 (sub domain 1) and SD2 (sub domain 2) of the S1 subunit (Ou et al., 2017). We speculate, that these insertions provide **additional flexibility** to the glycoprotein binding site by forming a hydrophilic loop in the protein structure that may **facilitate** or enhance virus-host interactions.

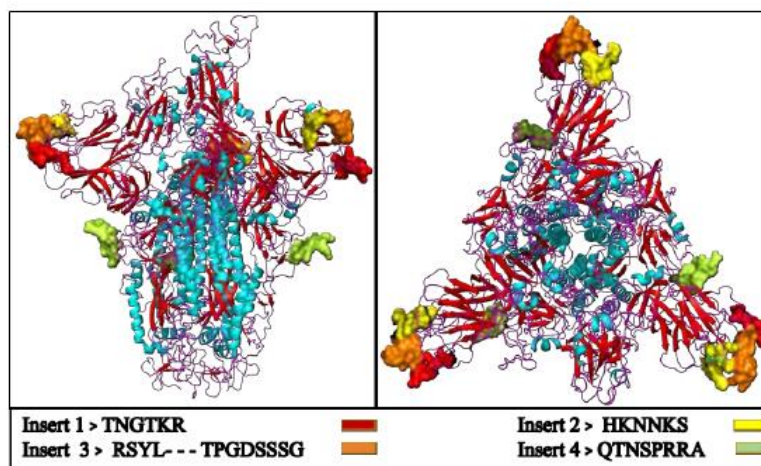


Figure 3. Modelled homo-trimer spike glycoprotein of 2019-nCoV virus. The inserts from HIV envelop protein are shown with colored beads, present at the binding site of the protein.

Evolutionary Analysis of 2019-nCoV

It has been speculated that 2019-nCoV is a **variant** of Coronavirus derived from an **animal** source which got transmitted to humans. Considering the change of specificity for host, we decided to study the sequences of spike glycoprotein (S protein) of the virus. S proteins are surface proteins that **help the virus in host recognition** and attachment. Thus, a change in these proteins can be reflected as a change of host specificity of the virus. To know the alterations in S protein gene of 2019-nCoV and its consequences in structural re-arrangements we performed in-silico analysis of 2019-nCoV with respect to all other viruses. A multiple sequence alignment between the S protein amino acid sequences of 2019-nCoV, Bat-SARS-Like, SARS-GZ02 and MERS revealed that S protein has evolved with closest significant diversity from the **SARS-GZ02** (Figure 1).

Insertions in Spike protein region of 2019-nCoV

Since the S protein of 2019-nCoV shares **closest ancestry with SARS GZ02**, the sequence coding for spike proteins of **these two viruses** were compared using MultiAlin software. We found four new insertions in the protein of 2019-nCoV- “GTNGTKR” (IS1), “HKNNKS” (IS2), “GDSSSG” (IS3) and “QTNSPRRA” (IS4) (Figure 2). To our surprise, these sequence insertions were not only **absent in S protein of SARS** but were also **not observed in any other member of the Coronaviridae family** (Supplementary figure). This is startling as it is quite unlikely for a virus to have acquired such unique insertions naturally in a short duration of time.

Insertions share similarity to HIV

The insertions were observed to be present in **all the genomic sequences** of 2019-nCoV virus available from the recent clinical isolates (Supplementary Figure 1). To know the source of these insertions in 2019-nCoV a **local alignment** was done with BLASTp using these insertions as query with all virus genome. Unexpectedly, **all the insertions got aligned with Human immunodeficiency Virus-1 (HIV-1)**. Further analysis revealed that aligned sequences of HIV-1 with 2019-nCoV were derived from surface **glycoprotein gp120** (amino acid sequence positions: 404-409, 462-467, 136-150) and from **Gag protein** (366-384 amino acid) (Table 1). Gag protein of HIV is involved in host membrane **binding**, packaging of the virus and for the **formation of virus-like particles**. Gp120 plays crucial role in recognizing the host cell by binding to the primary receptor CD4. This binding induces structural rearrangements in GP120, creating a high affinity binding site for a chemokine co-receptor like CXCR4 and/or CCR5.

Discussion

The current outbreak of 2019-nCoV warrants a **thorough investigation** and understanding of its ability to infect human beings. Keeping in mind that there has been a clear change in the preference of host from previous coronaviruses to this virus, we studied the change in spike protein between 2019-nCoV and other viruses. We found four new insertions in the S protein of 2019-nCoV when compared to its nearest relative, SARS CoV. The genome sequence from the recent 28 clinical isolates showed that the **sequence coding** for these insertions are conserved amongst all these isolates. This indicates that these insertions have been **preferably acquired** by the 2019-nCoV, providing it with **additional survival and infectivity advantage**. Delving deeper we found that these insertions were similar to HIV-1. Our results highlight an astonishing relation between the gp120 and Gag protein of HIV, with 2019-nCoV spike glycoprotein. These proteins are critical for the viruses to identify and latch on to their host cells and for viral assembly (Beniac et al., 2006).

Since surface proteins are **responsible for host tropism**, changes in these proteins imply a change in host specificity of the virus. According to reports from China, there has been a gain of host specificity in case 2019-nCoV as the virus was originally known to infect animals and not humans but after the mutations, it has gained tropism to humans as well.

Moving ahead, **3D modelling** of the protein structure displayed that these insertions are present at the binding site of 2019-nCoV. Due to the presence of gp120 motifs in 2019-nCoV spike glycoprotein at its binding domain, we propose that these motif insertions could have provided an **enhanced affinity** towards host cell receptors. Further, this structural change might have also increased the range of host cells that 2019-nCoV can infect. To the best of our knowledge, the function of these motifs is still not clear in HIV and need to be explored. The **exchange of genetic material among the viruses is well known** and such critical exchange highlights the **risk** and the need to investigate the **relations between seemingly unrelated virus families**.

Conclusions

Our analysis of the spike glycoprotein of 2019-nCoV revealed several interesting findings: First, we identified **4 unique inserts in the 2019-nCoV spike glycoprotein** that are not present in any other coronavirus reported till date. To our surprise, all the 4 inserts in the 2019-nCoV mapped to short segments of amino acids in the HIV-1 gp120 and Gag among all annotated virus proteins in the NCBI database. This **uncanny similarity of novel inserts** in the 2019- nCoV spike protein to HIV-1 gp120 and Gag is **unlikely to be fortuitous**. Further, 3D modelling suggests that atleast 3 of the unique inserts which are non-contiguous in the primary protein sequence of the 2019-nCoV spike glycoprotein converge to constitute the key components of the receptor binding site. Of note, all the 4 inserts have pI values of around 10 that may facilitate virus-host interactions. Taken together, our findings suggest unconventional evolution of 2019-nCoV that warrants further investigation. Our work highlights novel evolutionary aspects of the 2019-nCoV and has implications on the pathogenesis and diagnosis of this virus.

14.2 CSL and HIV

*Note: In the situation of COVID-19 cases they are reported as if accurate, yet research reveals that the RT-PCR test doesn't reveal infectious disease. This coupled with cycles over 30 which produces false positives was articulated publicly as positive cases. Not false positive. Below it reads the trials reveal false positive HIV test. Clearly they are not going to stop a billion dollar rollout if it is "false" that is why it is highlighted as positive. This statement is revealing: "...Australian vaccine scientist **Nikolai Petrovsky** had warned the government about the risk of including HIV in a vaccine months before the \$1billion deal was signed..." He is warning about the risk of including it, meaning there has been consideration to allow a vaccine to include HIV. Was it that the scientist discovered it and the risk is to the government as they would reveal it? Why was HIV in the vaccine? CSL is the third largest vaccine manufacturer in the world (see Preparedness Report). Was HIV in the COVID-19 lab created virus? If so is the purpose to genetically include HIV in our DNA so we are more susceptible to disease as this is a billion dollar industry that can be turned on anytime there is a alleged pandemic even when deaths are low. Is the purpose of including HIV in a vaccine to create a threat by injecting a virus that is clearly not the reported genome of SARS-CoV-2. The author states: "...These [spike] proteins are critical for the viruses to identify and latch on to their host cells and for viral assembly. Since surface proteins are responsible for host tropism, changes in these proteins imply a change in host specificity of the virus. According to reports from China, there has been a gain of host specificity in case 2019-nCoV as the virus was originally known to infect animals and not humans but after the mutations, it has gained tropism to humans as well..." Are they mutations or lab inserts? What of the strains mutating internationally, same story? Inserts of HIV will be a threat which catalyses a antibody response. If SARS-CoV-2 was a virus they wouldn't need HIV. This suggests SARS-CoV-2 doesn't exist as a purified virus, it suggests HIV is a likely surrogate inducing an immune response, yet given it is a RNA messenger viral strand it can recombine with the DNA. Opening us to more disease. This is just speculation as we are the lab rats. Professor Luc Montagnier confirmed the Indian study of 4 inserts inclusive of HIV and it is believed the lab created novel 2019-Co coronavirus may have initiated the jump from animals to humans. This indicates a 'bioweapon' not a new disease. As a citizen we are told we are the biosecurity risk whether well or unwell. This means our lives are disrupted by lockdowns when the problem is not the spread, it is lab crated diseases. We, the public are paying private sector foreign companies R&D via taxes and then when HIV is found there is no serious inquiry or legal action plus compensation, why?*

*The article finishes with Pfizer deaths. The Australian Government has just cancelled AstraZeneca for under 50's and replaced it with Pfizer which the article infers is the reason CSL was cancelled due to **6 participants deaths** during Pfizer's COVID vaccine trials..." Why would they order Pfizer when it clearly is not safe?*

Australia Scraps Billion Dollar Coronavirus Vaccine After Participants Test **HIV Positive**

<https://greatgameindia.com/australia-scraps-coronavirus-vaccine/>

December 11, 2020

The Australian Government has **scrapped a billion dollar coronavirus vaccine agreement** with Australian biotech company CSL Limited to supply 51 million doses of a Covid-19 vaccine being developed by the University of Queensland after several trial participants returned false positive HIV test results.

The University of Queensland has abruptly ended its trials for coronavirus vaccine the Australian government had ordered in a \$1 billion deal for 51 million doses. The deal was terminated after participants returned false **positive HIV test** results over fears that vaccine mishap would damage the public's confidence in the COVID-19 vaccination program.

On Friday the Australian prime minister, Scott Morrison, said:

"University of Queensland vaccine **will not be able to proceed based on the scientific advice**, and that will no longer feature as part of Australia's vaccine plan.

Australian vaccine scientist Nikolai Petrovsky had warned the government about the risk of including HIV in a vaccine months before the \$1billion deal was signed.

Mr Petrovsky told The Australian the problem with the **use of HIV was clear** in the 'hamster and mouse data' but his **advice was ignored**. He said the early data suggested the vaccine itself was quite **unstable**.

'Overall it just didn't look like it was going to be a successful vaccine, that's why we were surprised when the government committed millions of dollars to it, it just seemed disproportionate.'

The Covid-19 "**spike protein**" has been the focus of the University of Queensland vaccine, using molecular clamp technology to lock the protein into a shape which allows the immune system to be able to recognise and then neutralise the virus.

Covid's spike proteins, like most surface viral proteins, are fairly unstable. To ensure that the **vaccine induced the right immune response**, the clamp chosen comprises **two fragments** of a protein found in HIV, as those fragments provided the greatest stability to the vaccine.

The vaccine, which used the COVID-19 spike protein and a 'molecular clamp', featured an HIV protein fragment. The fragment was producing a **partial antibody response** in some participants, resulting in **false positive tests for the virus**. CSL said the false positives were caused by so-called 'molecular clamp' antibodies.

After Australian health department secretary Brendan Murphy and acting Chief Medical Officer Paul Kelly reviewed the findings and understood the dangers posed by the vaccine, he recommended **ending the deal**.

As GreatGameIndia reported earlier, in February a **group of Indian scientists discovered that Coronavirus was engineered with AIDS like insertions**. The study concluded that it was unlikely for a virus to have acquired such unique insertions naturally in a short duration of time.

Although the **study was retracted** after it attracted heavy **criticism** from experts on social media, **Luc Montagnier**, the Nobel Prize winning French virologist himself **confirmed the conclusions of the study**.

The study concluded that it is because of these 4 new AIDS like insertions in Coronavirus that the virus **jumped to humans** originally known **only** to infect animals.

These **proteins are critical** for the viruses to identify and latch on to their **host cells** and for viral assembly. Since surface proteins are responsible for host tropism, changes in these proteins imply a change in host specificity of the virus. According to reports from China, there has been a gain of host specificity in case 2019-nCoV as the virus was originally known to **infect animals and not humans** but after the mutations, it has gained tropism to humans as well.

The study gives credence to GreatGameIndia's earlier reports on how **Coronavirus was engineered in a lab and weaponized**. It has now been revealed through emails obtained via public records requests that the "natural origin of Coronavirus" was an orchestrated myth.

Emails obtained by **U.S. Right to Know** show that a statement in **The Lancet authored by 27 prominent public health scientists condemning "conspiracy theories suggesting that COVID-19 does not have a natural origin"** was organized by employees of **EcoHealth Alliance**, a non-profit group that has received millions of dollars of U.S. taxpayer funding to **genetically manipulate coronaviruses** with scientists at the Wuhan Institute of Virology.

The emails show that EcoHealth Alliance President **Peter Daszak** drafted the Lancet statement, and that he intended it to "not be identifiable as coming from any one organization or person" but rather to be seen as "simply a letter from leading scientists". Daszak wrote that he wanted "to avoid the appearance of a political statement".

Meanwhile, **China has started using AIDS drugs for Coronavirus treatment.** China is using AbbVie Inc's HIV drugs as an ad-hoc treatment for pneumonia caused by the novel coronavirus while the global search for a cure continues.

The Australian vaccine termination announcement comes only days after it was revealed in a newly released U.S. Food and Drug Administration document that **6 participants died during Pfizer's COVID vaccine trials.**

For latest updates on the outbreak check out our Coronavirus Coverage.

Send in your tips and submissions by filling out this form or write to us directly at the email provided. Join us on WhatsApp for more intel and updates.

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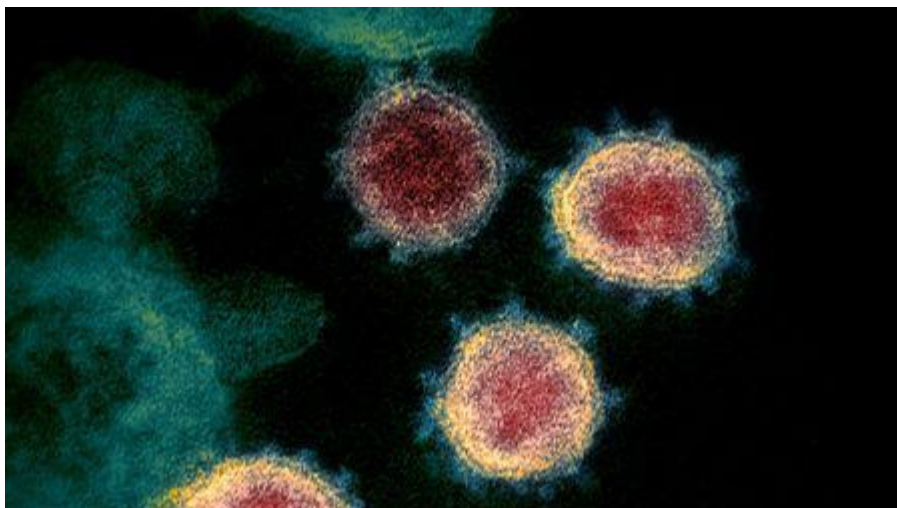
14.3 Coronavirus Gene Combines with DNA to increase Disease

The coronavirus may sometimes slip its genetic material

Note: The research is starting to reveal that the RNA gene therapy's are designed to increase disease not lessen it. The Prime Minister Scott Morrison cancelled the CSL vaccine stating there was a false positive for HIV picked up. The SARS-CoV-2 is a coronavirus which researchers from India indicated had SARS and HIV inserts. This means it causes disease SARS and has a lower immune response thus opening it to the lab created coronavirus. (see Pirbright Patent). The article hints at this although indicates false signals: "...suggests the pandemic pathogen takes a page from HIV and other retroviruses and integrates its genetic code—but, importantly, just parts of it—into people's chromosomes. The phenomenon, if true and frequent, could have profound implications that range from false signals of active infection to misleading results from COVID-19 treatment studies... People who recover from COVID-19 sometimes later test positive for SARS-CoV-2, suggesting their immune systems could not ward off a second attack by the coronavirus or that they have a lingering infection..." The latter statement means that the lingering infection means people are more likely to be infected and when this happens governments can classify them as a biosecurity risk and impose restrictions, quarantine and surveillance. This fits into the theory of SARS-CoV-2 ordering making more sense. The order is a disease then virus and (2). This appears strange when HIV is the virus they say causes Aids (disease) so how can disease create a virus. The above weakening of the DNA by adding a coronavirus gene predisposes to infection as HIV is likely part of the genome. Another very important issue is the coronavirus is patented by The Pirbright Institute funded by Bill & Melinda Gates Foundation, US DARPA (military), Wellcome Trust (MI5, Eugenics, virologists on Board etc.) and European Commission. If a patented gene enters a natural DNA and recombines then the human genome coupled with DNA information can be patented. So they then patent coronavirus + DNA sequence. When it combines it becomes patentable by the owner of introduce the gene. We no longer own our bodies.

A key question arising out of below is does the RT-PCR test actually convert a RNA HIV into DNA during the testing process? Why use a PCR if it doesn't pick up infectious disease. So what is the RT-PCR doing? It is stated: "...To test whether SARS-CoV-2's RNA genome could integrate into the DNA of our chromosomes, the researchers added the gene for reverse transcriptase (RT), an enzyme that converts RNA into DNA, to human cells and cultured the engineered cells with SARS-CoV-2. In one experiment, the researchers used an RT gene from HIV. They also provided RT using human DNA sequences known as LINE-1 elements, which are remnants of ancient retroviral infections and make up about 17% of the human genome. Cells making either form of the enzyme led to some chunks of SARS-CoV-2 RNA being converted to DNA and integrated into human chromosomes, the team reports in their preprint, posted on bioRxiv on 13 December..."

<https://www.sciencemag.org/news/2020/12/coronavirus-may-sometimes-slip-its-genetic-material-human-chromosomes-what-does-mean>



AstraZeneca's COVID-19 vaccine confirmed in a new trial that it provides good protection against the pandemic coronavirus SARS-CoV-2 (shown above).

NIAID

The coronavirus may sometimes slip its genetic material into human chromosomes—but what does that mean?

By [Jon Cohen](#) Dec. 16, 2020 , 6:30 PM

Science's COVID-19 reporting is supported by the Pulitzer Center and the Heising-Simons Foundation.

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People who recover from COVID-19 sometimes later test positive for SARS-CoV-2, suggesting their immune systems **could not ward off a second attack by the coronavirus** or that they have a lingering infection. A study now hints at a different explanation in which the virus hides in an unexpected place. The work, only reported in a preprint, suggests the pandemic pathogen takes a page from **HIV and other retroviruses** and integrates its genetic code—but, importantly, just parts of it—into people's chromosomes. The phenomenon, if true and frequent, could have profound implications that range from **false signals of active infection** to misleading results from COVID-19 treatment studies.

The current study only showed this integration in a lab dish, although it also cites published sequence data from humans infected with SARS-CoV-2 that suggest it has happened. The authors emphasize that their results don't imply that SARS-CoV-2 establishes permanent genetic residence in human cells to keep pumping out new copies, as HIV does.

Development of unique Australian COVID-19 vaccine halted

[See all of our coverage of the coronavirus outbreak](#)

Other scientists are divided about the importance of the new work and its relevance to human health, and some are harshly critical. "There are open questions that we'll have to address," says molecular biologist Rudolf Jaenisch of the Massachusetts Institute of Technology (MIT), who led the work.

Yet a few veteran retrovirologists are fascinated. "This is a very interesting molecular analysis and speculation with supportive data provided," says **Robert Gallo**⁴², who heads the Institute of Human Virology and looked at the newly posted preprint at *Science's* request. "I do not think it is a complete story to be certain ... but as is, I like it and my guess is it will be right."

All viruses insert their genetic material into the cells they infect, but it generally remains **separate from the cell's own DNA**. Jaenisch's team, intrigued by reports of people testing positive for SARS-CoV-2 after recovering, wondered whether these puzzling results reflected something of an artifact from the polymerase chain reaction (PCR) assay, which detects specific virus sequences in biological samples such as nasal swabs, even if they are fragmented and can't produce new viruses. "Why do we have this positivity, which is now seen all over the place, long after the active infection has disappeared?" says Jaenisch, who collaborated with the lab of MIT's Richard Young.

To test whether SARS-CoV-2's RNA genome could integrate into the DNA of our chromosomes, the researchers added the gene for reverse transcriptase (RT), an enzyme that converts RNA into DNA, to human cells and cultured the engineered cells with SARS-CoV-2. In one experiment, the researchers used an **RT gene from HIV**. They also provided RT using **human DNA sequences** known as LINE-1 elements, which are remnants of ancient retroviral infections and make up about 17% of the human genome. Cells making either form of the enzyme led to some chunks of SARS-CoV-2 RNA being converted to DNA and integrated into human chromosomes, the team reports in their preprint, [posted on bioRxiv on 13 December](#).

If the LINE-1 sequences naturally make RT in human cells, SARS-CoV-2 integration might happen in people who have COVID-19. This could occur in people **coinfected** with SARS-CoV-2 and **HIV**, too. Either situation may explain PCR detecting lingering traces of coronavirus genetic material in people who **no longer have a**

42

true infection. And it could **confuse studies** of COVID-19 treatments that rely on PCR tests to indirectly measure changes in the amount of infectious SARS-CoV-2 in the body.

David Baltimore, a virologist at the California Institute of Technology who won the Nobel Prize for his role in discovering RT, describes the new work as “impressive” and the findings as “unexpected” but he notes that Jaenisch and colleagues only show that fragments of SARS-CoV-2’s genome integrate. “Because it is all **pieces** of the coronaviral genome, it can’t lead to infectious RNA or DNA and therefore it is probably biologically a dead end,” Baltimore says. “It is also not clear if, in people, the cells that harbor the reverse transcripts stay around for a long time or they die. The work raises a lot of interesting questions.”

Virologist Melanie Ott, who studies HIV at the Gladstone Institute of Virology and Immunology, says the findings are “pretty provocative” but need thorough follow-up and confirmation. “I have no doubt that reverse transcription can happen in vitro with optimized conditions,” Ott says. But she notes that SARS-CoV-2 RNA replication takes place in specialized compartments in the cytoplasm. “Whether it happens in infected cells and ... leads to significant integration in the cell nucleus is another question.”

Retrovirologist John Coffin of Tufts University calls the new work “believable,” noting that solid evidence shows that LINE-1 RT can allow **viral material to integrate in people**, but he’s not yet convinced. The evidence of SARS-CoV-2 sequences in people, Coffin says, “should be more solid,” and the in vitro experiments conducted by Jaenisch’s team lack controls he would have liked to have seen. “All in all, I doubt that the phenomenon has much biological relevance, despite the authors’ speculation,” Coffin says.

Zandrea Ambrose, a retrovirologist at the University of Pittsburgh, adds that this kind of integration would be “extremely rare” if it does indeed happen. She notes that LINE-1 elements in the human genome rarely are active. “It is not clear what the activity would be in different primary cell types that are infected by SARS-CoV-2,” she says.

One [particularly harsh Twitter critic](#), a postdoctoral researcher in a lab that specializes in retroviruses, went so far as to call the preprint’s conclusions “a strong, dangerous, and largely unsupported claim.” Jaenisch emphasizes that the paper clearly states the integration the authors think happens could not lead to the production of infectious SARS-CoV-2. “Let’s assume that we can really resolve these criticisms fully, which I’m trying to do,” Jaenisch says. “This might be something not to worry about.”

Posted in:

[Health](#)

[Coronavirus](#)

doi:10.1126/science.abg2000



[Jon Cohen](#)

14.4 GlaxoSmithKline and HIV

GlaxoSmithKline's HIV PrEP challenge looms as ViiV's long-acting drug tops Gilead's Truvada in women

<https://www.fiercepharma.com/marketing/gsk-s-hiv-prep-challenge-looms-as-viiv-s-long-acting-drug-tops-gilead-s-truvada-women> by [Angus Liu](#) |

Nov 9, 2020 10:57am



GlaxoSmithKline's ViiV Healthcare showed its injectable drug cabotegravir, given every two months, was 89% more effective at preventing HIV in cisgender women than Gilead Sciences' daily oral Truvada. (Getty/alexkich)

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GlaxoSmithKline's ViiV Healthcare unit has been hoping to launch its PrEP challenger to simultaneously help both men and women prevent HIV. But that plan depended on very optimistic expectations for results from a head-to-head clinical trial against Gilead Sciences' Truvada in women. Now, it has those data.

ViiV's injectable cabotegravir, given every two months, was 89% more effective at preventing HIV in cisgender women than daily oral Truvada, which is the current standard of care, according to data from the HPTN 084 study, the company [revealed](#) Monday.

The landslide clinical win in women came about a year ahead of schedule: After analyzing interim results, an independent data monitoring board recommended stopping the blinded phase of the trial and offering the ViiV injectable to the trial's Truvada recipients.

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It also came just a few months after cabotegravir topped Truvada at preventing HIV among men and transgender women in the HPTN 083 trial. Both studies were run by the National Institute of Allergy and Infectious Diseases under its HIV Prevention Trials Network (HPTN).

“With the combined landmark findings of HPTN 084 announced today and HPTN 083 announced earlier this year, we’ve confirmed that long-acting cabotegravir is a superior HIV prevention option for men and women,” Myron Cohen, M.D., co-principal investigator of the HPTN, said in a statement.

ViiV’s been aiming to file cabotegravir for FDA approval in the first half of 2021 and potentially launch in the first quarter of 2022, ViiV CEO Deborah Waterhouse said in an interview in October. The only moving part to that plan was whether HPTN 084 could read out in time to support its use in women.

RELATED: [GSK's ViiV, touting superior long-acting data, can challenge Gilead in HIV prevention: analyst](#)

HPTN 084 enrolled more than 3,200 participants across seven countries in sub-Saharan Africa. At the interim analysis, 38 women in the study had acquired HIV. Among them, four belonged to the cabotegravir arm and 34 received Truvada. This translated into an HIV infection rate of 0.21% for the ViiV injectable and 1.79% for Truvada.

As for HPTN 083, which enrolled 4,600 subjects, cabotegravir slashed HIV acquisition by 66% compared with Truvada, with a lower infection rate of 0.38%, versus the Truvada group’s 1.21%, according to data unveiled at the virtual International AIDS Conference in July.

Participants’ nonadherence to daily Truvada likely tipped the results in cabotegravir’s favor. But the convenience of reducing dosing to just six times a year from 365 is part of the ViiV med’s inherent appeal.

And still, ViiV said Truvada adherence appeared to be higher in this study than in previous HIV prevention trials. Preliminary assessment in a random subset of 362 HPTN 084 participants showed detectable tenofovir—one of two active ingredients in Truvada—in 64% of women, and 48% of all samples tested showed daily dosing levels. Tenofovir was found in 87% men in HPTN 083. Previous studies have suggested that women need better adherence than men for Truvada to work properly, probably because of differing drug concentrations in genital tissues.

Cabotegravir, if eventually approved, could pose another serious threat to Gilead, which is already facing generic Truvada; Teva launched its copycat version in October. During the company’s third-quarter call a few days ago, Gilead’s chief commercial officer, Johanna Mercier, warned investors to brace for a significant Truvada sales decline in the fourth quarter.

Gilead already has a countermeasure in Descovy. Approved by the FDA in PrEP last fall, Descovy uses a different version of tenofovir that carries lower risks of bone and kidney side effects. As of Q3, Gilead has successfully converted 46% of Truvada takers to Descovy, ahead of the company’s previously stated goal of up to 45%.

RELATED: [Gilead's Truvada faces Teva generics assault amid Descovy switching campaign](#)

As ViiV’s Waterhouse sees it, that kind of conversion rate bodes well for cabotegravir as it shows “there’s a willingness to switch even to a non-inferior product that has some side effect benefit.” Cabotegravir, with its “strong value proposition” based on superior efficacy and convenience, would be able to gain traction, she said.

Now, with data in both men and women, ViiV could go after Truvada in both populations, even though Gilead has historically indicated that women only make up about 10% of Truvada’s PrEP use. Cabotegravir’s “faster time to market and superiority improve the outlook for GSK’s franchise,” SVB Leerink analyst Geoffrey Porges wrote in a July note to clients.

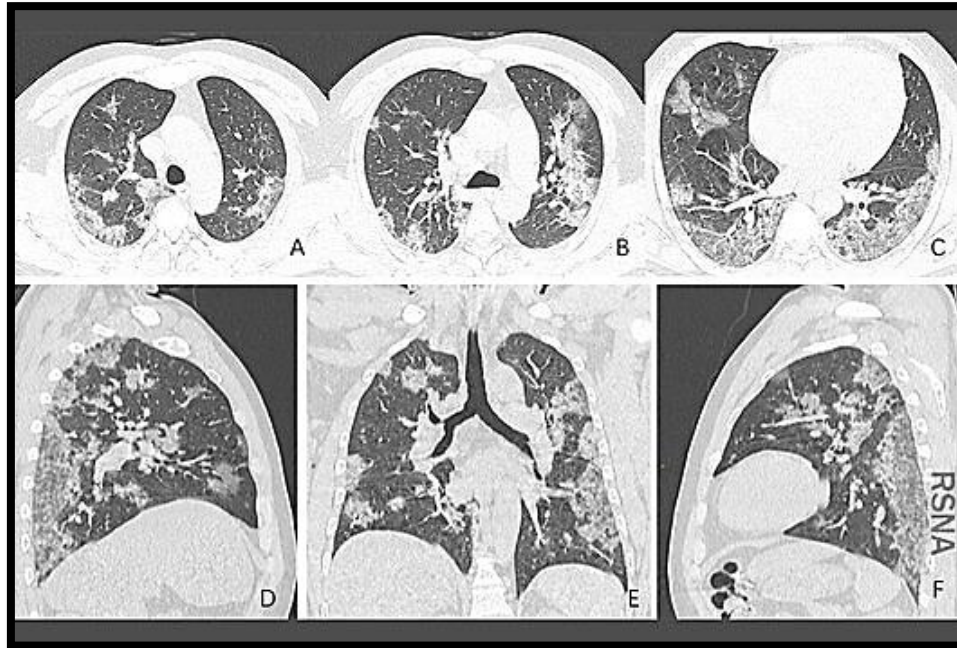
Truvada was approved by the FDA in PrEP in 2012 for all uninfected at-risk individuals despite lacking data in women. That broad approval wasn’t given to Descovy, as the FDA only indicated it for men. Gilead’s now running clinical trials of both drugs, as well as an investigational agent called lenacapavir, in women at risk of HIV.

An injectable combo of cabotegravir and Johnson & Johnson's rilpivirine, known as Cabenuva, has been approved as a once-monthly therapy to treat HIV in infected patients in Canada. GSK's previous application was rejected by the FDA in late 2019 due to manufacturing concerns. A refiling has been accepted with an FDA target decision date set for Jan. 28, 2021. Bi-monthly Cabenuva data have also been positive.

15.0 LUNGS

15.1 Doctors Puzzle Over COVID-19 Lung Problems⁴³

By [Brenda Goodman, MA](#)



April 7, 2020 -- As doctors treat more patients who are severely ill from COVID-19, they're **noticing differences in how their lungs are damaged.**

Some patients coming to the hospital have **very low oxygen** levels in their blood, but you wouldn't necessarily know it from talking to them. They don't seem starved of oxygen. They may be a little confused. But **they aren't struggling to breathe.**

When doctors take pictures of their lungs -- either with a CT scanner or an X-ray machine -- those also look fairly healthy. The lungs may have a few areas of cloudiness and crazing, indicating spots of damage from their infection, but most of the lung is black, indicating that it is filled with air.

[Do COVID-19 Vent Protocols Need a Second Look?](#)

One doctor treating COVID-19 patients in New York says it was **like altitude sickness**. It was "as if tens of thousands of my fellow New Yorkers are stuck on a plane at 30,000 feet and the cabin pressure is slowly being let out. These patients are slowly being starved of oxygen," said [Cameron Kyle-Sidell](#), MD, an emergency room and critical care doctor at Maimonides Medical Center in Brooklyn who has been posting about his experience on social media.

⁴³ <https://www.webmd.com/lung/news/20200407/doctors-puzzle-over-covid19-lung-problems>

"A whole bunch of these patients really have low oxygen, but their lungs don't look all that bad," says Todd Bull, MD, director for the Center of Lungs and Breathing at the University of Colorado School of Medicine, in Aurora.

Doctors in Italy have noticed the same thing. And in some cases, that might mean patients need to be treated a little differently to ensure the best outcome.

In an [editorial](#) in the journal *Intensive Care Medicine*, Luciano Gattinoni, MD, a guest professor of anesthesia and intensive care at the University of Gottingen in Germany, and one of the world's experts in mechanical ventilation, says more than half the patients he and his colleagues have treated in Northern Italy have had this unusual symptom. They seem to be able to breathe just fine, but their oxygen is very low.

According to Gattinoni, about 30% of COVID-19 patients who come to the hospital have more classic symptoms of **acute respiratory distress syndrome**, or ARDS. Their lungs are cloudy on imaging scans, and they're stiff and inflamed, showing that they aren't working well. The patients also have low levels of oxygen in their blood, and they are struggling to breathe. They look like patients with severe pneumonia caused by a virus. This is the **type of lung trouble doctors are more used to seeing with respiratory diseases like influenza and SARS.**

6 Common COVID-19 Symptoms

Gattinoni says doctors need to pay attention to how COVID-19 has affected the lungs and breathing of each patient they're treating before deciding on treatment. Patients with more classic ARDS-type COVID-19 often need mechanical ventilation right away, which forces air into the lungs to increase oxygen.

Patients with respiratory failure who can still breathe OK, but still have very low oxygen, may improve on oxygen alone, or on oxygen delivered through a lower pressure setting on a ventilator.

Gattinoni thinks the trouble for these patients may not be swelling and stiffening of their lung tissue, which is what happens when an infection causes pneumonia. Instead, he thinks the problem may **lie in the intricate web of blood vessels** in the lungs.

Normally, when lungs become damaged, the vessels that carry blood through the lungs so it can be re-oxygenated constrict, or close down, so blood can be shunted away from the area that's damaged to an area that's still working properly. This protects the body from a drop in oxygen.

Gattinoni thinks some COVID-19 patients can't do this anymore. So blood is still flowing to damaged parts of the lungs. **People still feel like they're taking good breaths**, but their blood oxygen is dropping all the same.

This problem with the blood vessels is similar to what happens in a condition called high-altitude pulmonary edema, or HAPE, says Bull.

HAPE patients recover when you bring them down from a high altitude and give them oxygen. They are sometimes also **placed on ventilators** and treated with medicines including diuretics to remove fluid that's flooded their lungs. More research is needed to know if any of those strategies may help COVID-19 patients. Steroids, in particular, have not been shown to help with ARDS and may make it worse.

"Is it possible that there's a problem with how the blood vessels regulate blood flow? That is, I guess, a possibility, which would be different than what we usually see in ARDS," Bull says.

"This is just a **hypothesis** at this point. It has to be proven," he says.

It's also important to note that patients with relatively normal-looking lungs can **progress to ARDS** as the virus attacks their lung tissue, Gattinoni says.

He says these patients with more normal-looking lungs, but low blood oxygen, may also be especially **vulnerable to ventilator-associated lung injury**, where pressure from the air that's being forced into the lungs damages the thin air sacs that exchange oxygen with the blood.

In normal breathing, our lungs expand because of negative pressure. A large thin muscle at the bottom of the lungs, called the diaphragm, pulls down and our lungs expand to fill the increased space. But ventilators work by forcing air into the lungs, which is positive pressure, like what happens when you blow up a balloon. These machines can help people whose lungs have become too weak to work, but they can also **cause damage because they force the lung** to work in a way it wasn't designed to.

"When those pressures get too high, you can **cause trauma** to those little air sacs. Those are very fragile," says Michael Mohning, MD, a pulmonologist and critical care specialist at National Jewish Health in Denver.

Gattinoni says putting a patient like this on a ventilator **under too high a pressure may cause lung damage that ultimately looks like ARDS**.

So he cautions that doctors need to be aware of the COVID-19 patients' symptoms and need to **use the ventilator carefully and sparingly**.

COVID-19 and Asthma: What You Need to Know

In an [interview with MDEdge](#), Gattinoni said one center in central Europe that had begun **using different treatments** for different types of COVID-19 patients had **not seen any deaths** among those patients in its intensive care unit. He said a nearby hospital that was **treating all COVID-19 patients based on the same set of instructions had a 60% death rate in its ICU**.

"This is a kind of disease in which you don't have to follow the protocol -- you have to follow the physiology," Gattinoni said. "Unfortunately, many, many doctors around the world cannot think outside the protocol."

Other experts agree.

"If you over-distend somebody's lung on mechanical ventilation, you essentially generate more ARDS. You make the lung leaky," Bull says.

He says pulmonologists have gotten much better at using ventilators to make them safer for patients. Doctors work to keep the pressure on the lung as low as possible, to prevent that damage.

Several recent studies have helped to cut the death rate for patients who need to be on a ventilator. The [PROSEVA study](#), published in *The New England Journal of Medicine*, showed the death rate among ventilated patients could be as low as 16% under optimal care.

So far, death rates for ventilated patients with COVID-19 have been [higher than that](#). That could be because some COVID-19 patients often need to be on ventilators for a long time, sometimes as long as 2 weeks. They also tend to have other conditions, so it's possible that

they are sicker to begin with. More research is needed to understand why, and doctors will continue to share best practices as they see things that need to be addressed.

15.2 Covid Death Rates Dropped as Doctors Rejected Ventilators⁴⁴

Note: The ventilators are reported to have caused deaths. As people were taken off them it is reported the death rate dropped. Notable extracts: "...Death rates among seriously ill Covid-19 patients dropped sharply as doctors rejected the use of mechanical ventilators, analysis has found. The chances of dying in an intensive care unit (ICU) went from 43 per cent before the pandemic peaked to 34 per cent in the period after. In a report yesterday, the Intensive Care National Audit & Research Centre said that no new drugs nor changes to clinical guidelines were introduced in that period that could account for the improvement. However, the use of mechanical ventilators fell dramatically....Dr Charlotte Summers, lecturer in intensive care medicine at the University of Cambridge, said: "Humans are designed to get the oxygen into their lungs by sucking it in – negative pressure – whereas the ventilator blows the oxygen into your lungs by positive pressure..."So every person who goes on a ventilator, it's a suboptimal way of breathing compared to what you're designed to do, and like every therapy that's given to anyone for any disease, there are undoubtedly downsides of it..."

"Millions of years of evolution have conspired to deliver oxygen into your lungs in a very different way to a mechanical ventilator."

POSTED ON 20 SEPTEMBER 2020

death rates dropped as doctors rejected ventilators

Death rates among **seriously ill Covid-19 patients dropped sharply** as doctors rejected the use of mechanical ventilators, analysis has found.

The **chances of dying** in an intensive care unit (ICU) went from 43 per cent before the pandemic peaked to 34 per cent in the period after.

In a report yesterday, the **Intensive Care National Audit & Research Centre** said that no new drugs nor changes to clinical guidelines were introduced in that period that could account for the improvement. However, the use of mechanical ventilators fell dramatically.

Before the peak in admissions on April 1, **75.9 per cent of Covid-19 patients were intubated within 24 hours** of getting to an ICU, a proportion which fell to 44.1 per cent after the peak.

Meanwhile, the proportion of ICU patients **put on a ventilator at any point dropped 22 percentage points** to 61 per cent either side of the peak.

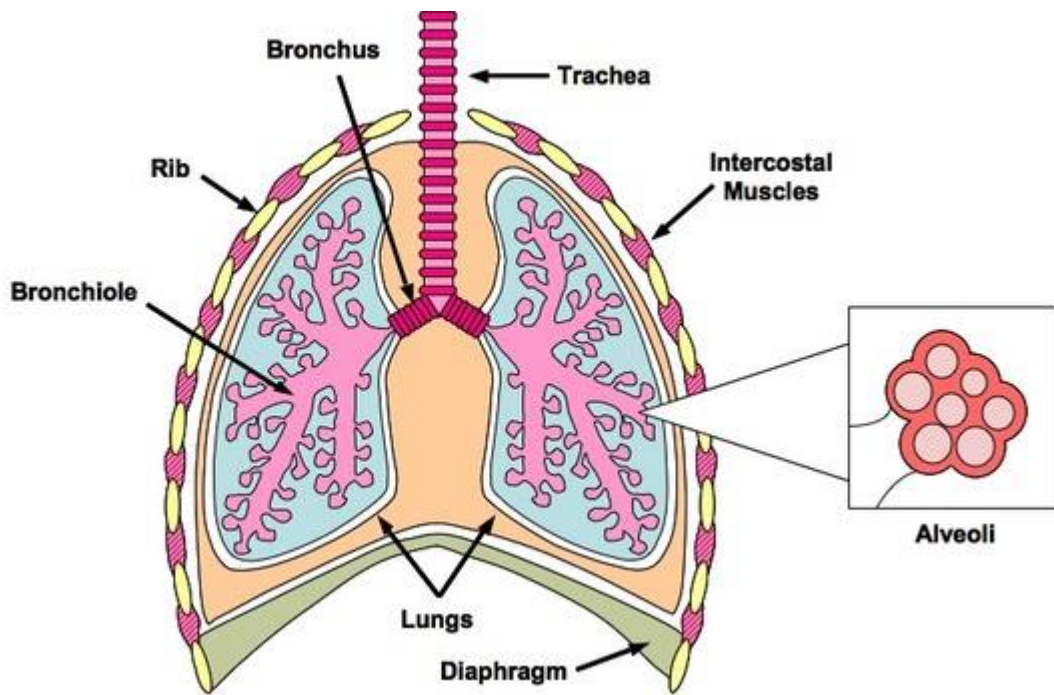
Researchers suggested this could have been a result of "informal learning" among networks of doctors that patients on ventilators were **faring worse** than expected.

Dr Charlotte Summers, lecturer in intensive care medicine at the University of Cambridge, said: "Humans are designed to get the oxygen into their lungs by sucking it in – negative pressure – whereas the ventilator blows the oxygen into your lungs by positive pressure.

"Millions of years of evolution have conspired to **deliver oxygen into your lungs** in a very different way to a mechanical ventilator.

⁴⁴ <https://davidicke.com/2020/09/20/covid-death-rates-dropped-as-doctors-rejected-ventilators/Covid>

“So every person who goes on a ventilator, it’s a **suboptimal way of breathing** compared to what you’re designed to do, and like every therapy that’s given to anyone for any disease, there are undoubtedly downsides of it.”



15.3 Erasmus University Medical Centre – Lung Transplants⁴⁵

Note: Erasmus University is in the business of lung transplants. What is interesting in this article is the focus on donors and the profits in lung transplants. Clearly there is a need for more donor lungs. As follows: "Nevertheless, the results after the transplant have remained the same and the mortality on the waiting list has decreased sharply from twenty to five percent. "We are hopeful that the new donor law will significantly increase potential donors... Erasmus MC has carried out 49 lung transplants in the past year and a half. In fifteen of these transplants, the lungs first underwent an Ex-Vivo Long Perfusion (EVLP) procedure for several hours. This procedure, plus an innovation in the care of donor lung recipients, has enabled the number of lung transplants in Erasmus MC to increase considerably. In this device, a type of pump, donated lungs are resuscitated for some time and rinsed with a special liquid. Damage, for example caused by the donor's stay in intensive care, is repaired as much as possible. Often, for example, there is fluid in the lungs as a result of edema. "During the donor's death process, hormones are produced that can fill the lungs with fluid," said pulmonologist Dr. Rogier Hoek and cardiothoracic surgeon Edris Mahtab..." Is it wise to make medical care a business?... "I.G.T. is altogether different from traditional vaccination. It is instead a form of gene therapy. Scientists isolate the genes that produce powerful antibodies against certain diseases and then synthesize artificial versions. The genes are placed into viruses and injected into human tissue, usually muscle..."

Sourced: *Linkedin*

We are Erasmus MC. Our roots lie in Rotterdam, a city and port of international standing. We are the most **innovative** university medical center in the Netherlands and one of the world's leading centers of scientific research. We are committed to achieving a healthy population and pursuing excellence in healthcare through research and teaching.

Day in, day out, our staff, volunteers and students work with passion and dedication to achieve everything we stand for: safe, first-rate healthcare for **patients with complex issues, unusual and rare conditions or acute needs**. But we also stand for top-quality teaching that attracts ambitious, inquisitive and talented students and seeks to answer the healthcare questions of **tomorrow**. And we stand for world-class scientific research that bolsters our understanding of diseases and disorders and helps to **predict, treat and prevent** them.

We do our work based on our basic principles, the core values of Erasmus MC, 'responsible', 'connecting' and 'enterprising'. We believe that we provide the best care, research and education if we are responsible, binding and enterprising.

Website: <https://www.erasmusmc.nl/IndustryHospital & Health CareCompany> size 10,001+ employees 9,925 on LinkedIn

Includes members with current employer listed as Erasmus MC, including part-time roles. Headquarters Rotterdam, Zuid-Holland Type *Nonprofit* Founded 2002 Specialties University, Hospital, and Rotterdam. Website <https://www.erasmusmc.nl/>

September 3, 2020

'Sixty percent of patients are still alive ten years after the transplant. That is well above the international average of 40%.

Erasmus MC has carried out **49 lung transplants** in the past year and a half. In fifteen of these transplants, the lungs first underwent an Ex-Vivo Long Perfusion (EVLP) procedure for several hours. This procedure, plus an innovation in the care of donor lung recipients, has enabled the number of lung transplants in Erasmus MC to increase considerably.

In this device, a type of pump, **donated lungs** are resuscitated for some time and rinsed with a special liquid. Damage, for example caused by the donor's stay in intensive care, is repaired as much as possible. Often,

⁴⁵ <https://www.erasmusmc.nl/>

for example, there is **fluid in the lungs as a result of edema**. "During the donor's death process, **hormones** are produced that can fill the lungs with fluid," said pulmonologist Dr. Rogier Hoek and cardiothoracic surgeon Edris Mahtab.

Medication

Medication can be added during the EVLP procedure. *"Then you have to think about antibiotics and anti-inflammatories. What's new is that we're also now administering clot solvers and medication that can limit rejection responses,"* mahtab and Hoek explain. *"We treated lungs with pneumonia in this way. And lungs with a severe embolism, which is a blood clot in a blood vessel in the lung. Normally, these lungs were definitely rejected for transplantation."*

Treatment with the EVLP machine is not the only thing that has helped the flow in the number of lung transplants. *"We also started active donor management in 2018. That donor management starts as soon as it is established that the patient will die. This includes extra attention paid to the ventilation and fluid balance, so that the lungs are not unnecessarily damaged."*

Teamwork

In doing so, the care for the recipient of the donor lungs is **innovated**. "Intensive and innovative care prior to transplantation, in both the lung ward and intensive care, allows more people to be kept in **good condition until their transplant**. This is really the result of teamwork between pulmonologists, cardiothoracic surgeons, intensivists, nurses, physiotherapists, dieticians and other disciplines," explains Mahtab.

For example, patients whose lung function is at risk of **falling below the minimum** are connected to an **ECMO machine**. This is a device that **adds oxygen** to the blood outside the body and thus takes over the function of the lungs. "This way we can wake people up and put them in sufficient condition to **pass** the operation. They used to have to be taken off the waiting list."

Enlargement

With the 33 transplants in 2019 and 16 so far in 2020, the result of 2018 is consolidated, according to Hoek and Mahtab. In that year, the number of **lung transplants doubled** compared to 2017. This **profit** was achieved by the **arrival of the EVLP** machine, but also because the Lung Diseases department had invested a substantial expansion of the medical team in the previous years." The results that the department achieves are good", mahtab and Hoek also know. Hoek: "Sixty percent of patients are still alive ten years after the lung transplant. This is well above the international average of 40%. Moreover, most patients experience a better quality of life than before the lung transplant, research shows.

Waiting list

The expansion of the medical team, the close cooperation between all the disciplines involved and the improved EVLP procedure have not led to the so fervently desired evaporation of the waiting list. *"We have to work with donor lungs that are less good than before because donors age on average. Recipients are also sicker,"* says Hoek.

Nevertheless, the results after the transplant have remained the same and the mortality on the waiting list has decreased sharply from twenty to five percent. *"We are hopeful that the new donor law will significantly increase potential donors."*

Under that new law, **everyone is automatically a donor** unless they register not to want it. The same system is used in Belgium and twice as many donors are registered there than in the Netherlands.

search for dutch covid-19 pathology consortium

COVID-19: Contending with a Dual Pathology in Britain ...

Search domain consortiumnews.com/2020/03/30/covid-19-contending-with-a-dual-pathology-in-britain/

COVID-19: Contending with a **Dual Pathology** in Britain March 30, 2020 A process of **marketization** has infested U.K. public services, much like the virus we are tackling today, write Dr. Sarah ...

Hematologic Cancers Tied to More Severe COVID-19 Illness

Search domain www.medscape.com/viewarticle/936578<https://www.medscape.com/viewarticle/936578>

Data from the COVID-19 and Cancer Consortium (CCC19) registry have shown that certain subgroups of patients with **cancer are at a higher risk of COVID-19-related death**, including older patients ...

The network effect: studying COVID-19 pathology with the ...

Search domain [http://pubmed.ncbi.nlm.nih.gov/32606379/](https://pubmed.ncbi.nlm.nih.gov/32606379/)<https://pubmed.ncbi.nlm.nih.gov/32606379/>

The SARS coronavirus 2 (SARS-CoV-2) pandemic is a global challenge, which the scientific community has tackled by mounting **extensive global collaborations**, combining expertise in diverse areas and applying cutting-edge techniques, to dissect mechanisms underlying coronavirus disease-19 (COVID-19) pathology.

Active Cancer Increases Death Risk in Patients With COVID-19

Search domain www.medscape.com/viewarticle/931384<https://www.medscape.com/viewarticle/931384>

Patients with COVID-19 and cancer that is progressing cancer had a **fivefold increased risk** of 30-day mortality, compared with COVID-19 cancer patients whose disease was not progressing, a study ...

Covid-19 **test delays** create health nightmare as schools ...

Search domain www.cnbc.com/2020/08/02/covid-19-test-delays-create-health-nightmare-as-schools-try-to-reopen.html<https://www.cnbc.com/2020/08/02/covid-19-test-delays-create-health-nightmare-as-schools-try-to-reopen.html>

Aug 2, 2020 **Demand for Covid-19 tests far outstrips supply** in the U.S. "The wheels have fallen off the wagon," said Susan Butler-Wu, an Associate Professor of Clinical Pathology at the University of Southern ...

Speech Language Pathology & Covid-19 - Rehabilitation ...

Search domain <http://guides.hsict.library.utoronto.ca/c.php?q=695776&p=5103299>
<https://guides.hsict.library.utoronto.ca/c.php?q=695776&p=5103299>

Health Science Information Consortium of Toronto LibGuides University Health Network - New Rehabilitation Resources Speech Language Pathology & Covid-19 Covid-19 - UHN Resources Covid-19 Information at UHN. Critical Care Learning. Rehabilitation & Covid-19. The Science of Covid-19. Telerehabilitation ...

Neutralizing antibodies mediate virus-immune pathology of ...

Search domain www.sciencedirect.com/science/article/pii/S0306987720311270<https://www.sciencedirect.com/science/article/pii/S0306987720311270>

COVID-19 is characterized by two phases: the first **resembles the flu with pneumonia**, but after about seven or eight days the disease suddenly **worsens** to a **sepsis-like syndrome**. It is difficult to explain this virus-immune-pathology sequence from virology or immunology only.

COVID-19: Position Statement from the Scottish Genetic ...

Search domain www.sglc.scot.nhs.uk/wp-content/uploads/2020/04/2020-04-20-COVID19-SGLC-Position-Statement-v1.0-1.pdf<https://www.sglc.scot.nhs.uk/wp-content/uploads/2020/04/2020-04-20-COVID19-SGLC-Position-Statement-v1.0-1.pdf>

COVID-19: Position Statement from the Scottish Genetic & Molecular Pathology Consortium

Dear Colleague, The current Government advice on **self-isolation and social distancing** in response to the COVID-19 pandemic is having **an effect on the number of staff available within the laboratories**. In addition, the Sidra Medicine working with international research ...

Search domain www.thepeninsulaqatar.com/article/08/09/2020/Sidra-Medicine-working-with-international-research-consortium-to-develop-Covid-19-vaccine<https://www.thepeninsulaqatar.com/article/08/09/2020/Sidra-Medicine-working-with-international-research-consortium-to-develop-Covid-19-vaccine>

Sidra Medicine, a member of **Qatar Foundation**, is working with an international research consortium in the ongoing **global race** to find a safe and effective vaccine to tackle the Covid-19 virus.

Impact of the COVID-19 pandemic on science and technology ...

Search domain http://en.wikipedia.org/wiki/Impact_of_the_COVID-19_pandemic_on_science_and_technologyhttps://en.wikipedia.org/wiki/Impact_of_the_COVID-19_pandemic_on_science_and_technology

The COVID-19 pandemic has **affected many science, space and technology institutions and government agencies worldwide**, leading to reduced productivity on a number of fields and programs. It has also **opened** several new funding research lines in several governmental agencies around the world.

Note:

The Erasmus University Medical Centre has patented **Betacoronavirus**. Refer next section.

The Erasmus University Medical Centre is in the business of lung transplants, they need donors (see Plandemic Report 2b.2

Professor Engdahl in Industry Preparedness report 2a.1 states:

The Netherlands Parliament as well discovered that Professor Albert Osterhaus of the Erasmus University in Rotterdam, the person at the center of the worldwide Swine Flu H1N1 Influenza A 2009 pandemic as the key advisor to WHO on influenza, was intimately positioned to personally profit from the billions of euros in vaccines allegedly aimed at H1N1. Many of the other WHO scientific experts who advised Dr Chan to declare pandemic were receiving money directly or indirectly from Big Pharma including GlaxoSmithKline, Novartis and other major vaccine-makers. The WHO Swine Flu Pandemic declaration was a fake. 2009-10 saw the mildest influenza worldwide since medicine began tracking it. The pharma giants took in billions in the process.

15.4 Corona Extra Parliamentary Inquiry: “We Have A Lot of Evidence That It’s A Fake Story All Over The World” – German Doctors on COVID-19

Note: Doctors are coming out to counter the World Health Organisation to find their views are being shutdown. The misinformation then appears to be coming from those in authority. Notable extracts from the article: “...Why are so many professionals and experts in the field being censored, ridiculed and shut down by organizations like the WHO? Should we not have the right to examine information openly, freely, and transparently? Is this article ‘fake news?’ No, because the statement in the title that reads “we have a lot of evidence that it’s a fake story all over the world” is an actual quote from a representative of the group discussed in the article. The statement was said. Whether or not what the quote says is true, on the other hand, is up for you to decide or according to multiple governments, is up for the World Health Organization (WHO) to decide. Is the title misleading or inaccurate? No, again, it’s a direct quote and represents the opinion of multiple health professionals. Are these health professionals implying that COVID-19 is a fake virus? No, they are simply implying that it’s not as dangerous as it’s being made out to be, and I summarize some of that information below that has them coming to that conclusion. These doctors and scientists are being heavily censored across all social media platforms, and those who write about them are experiencing the same. Many of the claims these doctors make have been ‘debunked’ by mainstream media, federal health regulatory agencies and ‘fact-checkers’ that are patrolling the internet. Any information that does not come from the (WHO) is not considered reliable, truthful or accurate... As the Corona-Extra-Parliamentary Inquiry Committee, we will investigate why these restrictive measures were imposed upon us in our country as part of COVID-19, why people are suffering now and whether there is proportionality of the measures to this disease caused by the SARS-COV-2 virus. We have serious doubts that these measures are proportionate. This needs to be examined, and since the parliaments – neither the opposition parties nor the ruling parties – have not convened a committee and it is not even planned, it is high time that we took this into our own hands. We will invite and hear experts here in the Corona speaker group. These are experts from all areas of life: Medicine, social affairs, law, economics and many more. (source)...

I also think it’s important to mention that a report published in the British Medical Journal has suggested that quarantine measures in the United Kingdom as a result of the new coronavirus may have already killed more UK seniors than the coronavirus has during the peak of the virus...titled “Physicians for Informed Consent (PIC) Compares COVID-19 to Previous Seasonal and Pandemic Flu Periods.” According to them, the infection/fatality rate of COVID-19 is 0.26%. You can read more about that and access their resources and reasoning here.

John P. A. Ioannidis, a professor of medicine and epidemiology at Stanford University has said that the infection fatality rate “is close to 0 percent” for people under the age of 45 years old. You can read more about that here. He and several other academics from the Stanford School of Medicine suggest that COVID-19 has a similar infection fatality rate as seasonal influenza, and published their reasoning in a study last month. You can find that study and read more about that story here.

Michael Levitt, a Biophysicist and a professor of structural biology at Stanford University criticized the WHO as well as Facebook for censoring different information and informed perspectives regarding the Coronavirus and has claimed that, with regards to lockdown measures, that “the level of stupidity going on here is amazing.” You can read more about this here.

Dr. Sucharit Bhakdi, a specialist in microbiology and one of the most cited research scientists in German history is also part of Corona Extra-Parliamentary Inquiry Committee mentioned above and has also expressed the same thing, multiple times early on in the pandemic all the way up to today.


Implementation of the current draconian measures that are so extremely restrict fundamental rights can only be justified if there is reason to fear that a truly, exceptionally dangerous virus is threatening us. Do any scientifically sound data exist to support this contention for COVID-19? I assert that the answer is simply, no. – Bhakdi. You can read more about him here.

We have to ask ourselves, why are so many experts in the field being completely censored. Why is there so much information being shared that completely contradicts the narrative of our federal health regulatory agencies and organizations like the WHO? Why are these experts being heavily censored, and why are alternative media platforms being censored, punished and demonetized for sharing such information? Is there a battle for our perception happening right now? Is our consciousness being manipulated? Why is there so much conflicting information if everything is crystal clear? Why are alternative treatments that have shown tremendous amounts of success being completely ignored and ridiculed? What’s going on here, and how much power do governments have when they are able to silence the voice of so many people? Should we not be examining information openly, transparently, and together?...”



Published

On August 17, 2020

By [Arjun Walia](#) 



The Facts:

More than 500 German doctors & scientists have signed on as representatives of an organization called the "Corona Extra-Parliamentary Inquiry Committee" to investigate what's happening on our planet with regards to COVID-19.

Reflect On:

Why are so many professionals and **experts in the field being censored, ridiculed and shut down** by organizations like the WHO? Should we not have the right to examine information openly, freely, and transparently?

Is this article 'fake news'? No, because the statement in the title that reads "we have a lot of evidence that it's a fake story all over the world" is an **actual quote from a representative of the group** discussed in the article. The statement was said. Whether or not what the quote says is true, on the other hand, is up for you to decide or according to multiple governments, is up for the World Health Organization (WHO) to decide. Is the title misleading or inaccurate? No, again, it's a direct quote and represents the opinion of multiple health professionals. Are these health professionals implying that COVID-19 is a fake virus? No, they are simply implying that **it's not as dangerous as it's being made out to be**, and I summarize some of that information below that has them coming to that conclusion.

These **doctors and scientists are being heavily censored** across all social media platforms, and those who write about them are experiencing the same. Many of the claims these doctors make have been 'debunked' by mainstream media, federal health regulatory agencies and 'fact-checkers' that are patrolling the internet. Any information that does not come from the (WHO) is not considered reliable, truthful or accurate, and that would include the information presented in this article and information shared by these experts in the field. People are being encouraged to visit the WHO's website for real and accurate information about COVID-19 instead of listening to doctors and scientists who oppose the narrative of these health authorities.

What Happened: More than 500 German doctors & scientists have signed on as representatives of an organization called "Außerparlamentarischer Corona Untersuchungsausschuss." Außerparlamentarischer Corona Untersuchungsausschuss stands for the **"Corona Extra-Parliamentary Inquiry Committee** and was

established to investigate all things that pertain to the new coronavirus such as the severity of the virus, and whether or not the actions taken by governments around the world, and in this case the German government, are justified and not causing more harm than good.

As the Corona-Extra-Parliamentary Inquiry Committee, we will investigate why these restrictive measures were imposed upon us in our country as part of COVID-19, why people are suffering now and whether there is proportionality of the measures to this disease caused by the SARS-COV-2 virus. We have serious doubts that these measures are proportionate. This needs to be examined, and since the parliaments – neither the opposition parties nor the ruling parties – have not convened a committee and it is not even planned, it is high time that we took this into our own hands. We will invite and hear experts here in the Corona speaker group. These are experts from all areas of life: Medicine, social affairs, law, economics and many more. (source)

You can access the full english transcripts on the organizations website if interested.

This group has been giving **multiple conferences in Germany**, in one of the most recent, Dr. Heiko Schöning, one of the organizations leaders, stated that “We have a lot of evidence that it (the new coronavirus) is a fake story all over the world.” To put it in context, he wasn’t referring to the virus being fake, but simply that it’s no more dangerous than the seasonal flu (or just as dangerous) and that there is no justification for the measures being taken to combat it.

I also think it’s important to mention that a report published in the **British Medical Journal** has suggested that quarantine measures in the United Kingdom as a result of the new coronavirus may have already killed more UK seniors than the coronavirus has during the peak of the virus.

Below is a press conference held by representatives of the group that took place last month, you can find more important information below that.

Why This Is Important: It can be confusing for many people to see so many doctors and many of the world’s **most renowned scientists and infectious disease experts oppose** so much information that is coming from the WHO and global governments.

Many scientists and doctors in North America are also expressing the same sentiments. For example, **The Physicians For Informed Consent (PIC)** recently published a report titled “Physicians for Informed Consent (PIC) Compares COVID-19 to Previous Seasonal and Pandemic Flu Periods.” According to them, the infection/fatality rate of COVID-19 is 0.26%. You can read more about that and access their resources and reasoning here.

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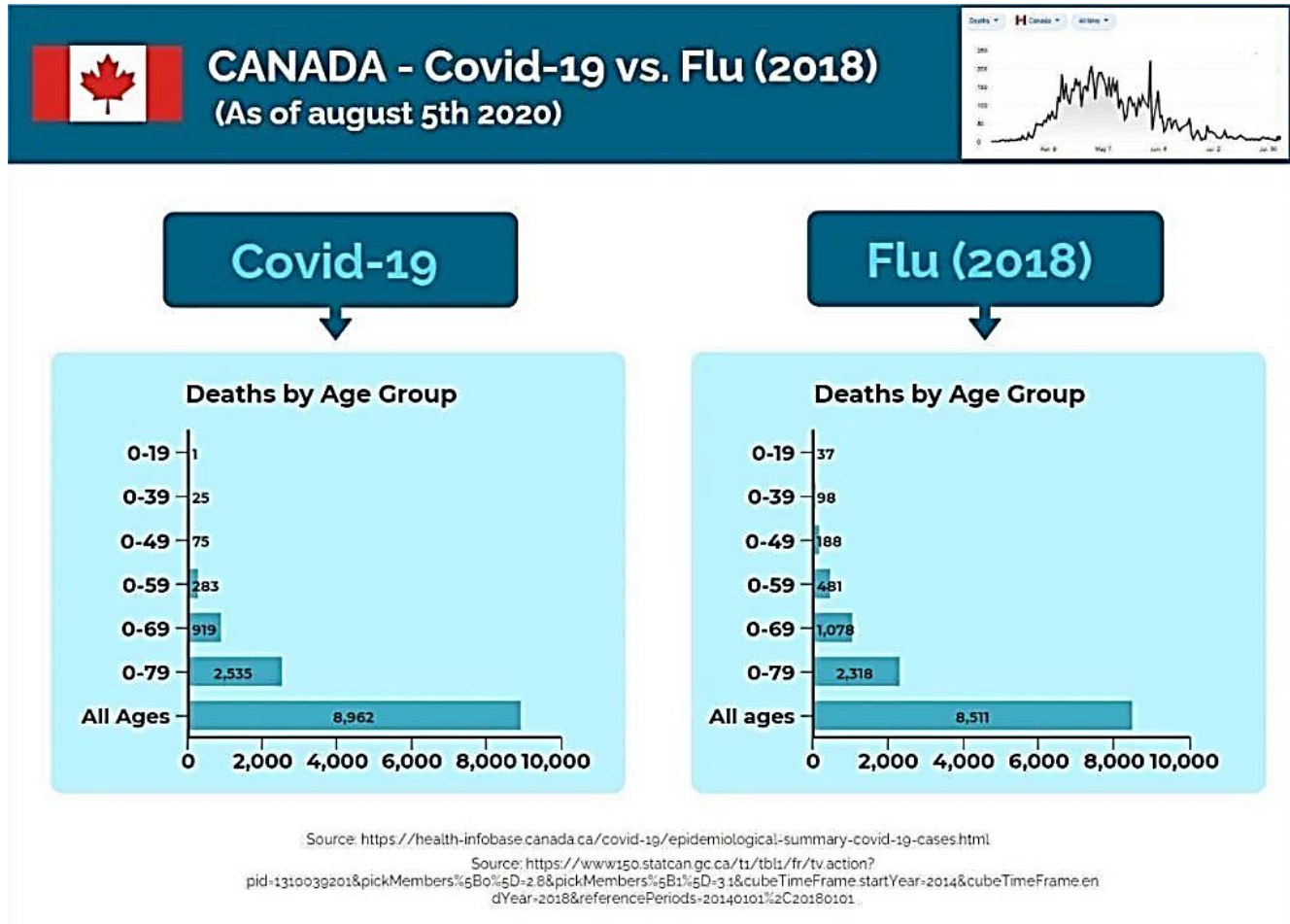
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Dr. Sucharit Bhakdi, a specialist in microbiology and one of the most cited research scientists in German history is also part of Corona Extra-Parliamentary Inquiry Committee mentioned above and has also expressed the same thing, multiple times early on in the pandemic all the way up to today.

*Implementation of the current **draconian** measures that are so extremely restrict fundamental rights can only be justified if there is reason to fear that a truly, exceptionally dangerous virus is threatening us. Do any scientifically sound data exist to support this contention for COVID-19? I assert that the answer is simply, no. – Bhakdi. You can read more about him here.*

Below are some interesting statistics from Canada. (source)

Below are some interesting statistics from Canada. (source)



The Takeaway

We have to ask ourselves, why are so many experts in the field being completely censored. Why is there so much information being shared that completely contradicts the narrative of our federal health regulatory agencies and organizations like the WHO? Why are these experts being heavily censored, and why are alternative media platforms being censored, punished and demonetized for sharing such information? Is there a battle for our perception happening right now? Is our consciousness being manipulated? Why is there so much conflicting information if everything is crystal clear? Why are alternative treatments that have shown tremendous amounts of success being completely ignored and ridiculed? What’s going on here, and how much power do governments have when they are able to silence the voice of so many people? Should we not be examining information openly, transparently, and together?

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15.5 Dr Shiva Ayyadurai States the Deep State Engaged in Global Fraud⁴⁶

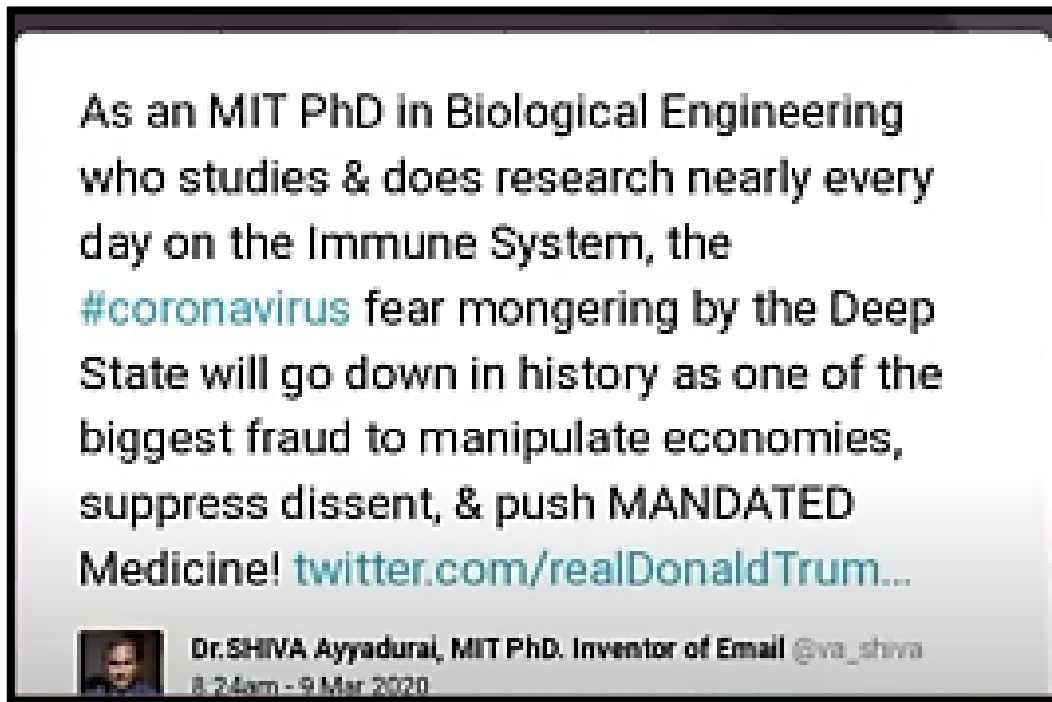


MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Dr Shiva Ayyadurai MIT PhD Biologist: exposes Bill Gates, Fauci, Clinton, WHO, CDC, Big Pharma
#FireFauci

- Numbers led to a global economic collapse
- Research in the real agenda, the greatest **fraud** on America
- Two findings what is going on intersection of health and science along with politics.
- Honoured to share knowledge
- Political aspects in tweet

⁴⁶ <https://phibetaiota.net/2020/03/dr-shiva-ayyadurai-mit-phd-open-letter-to-president-donald-j-trump-on-avoiding-destruction-of-us-economy-and-rapid-resolution-of-the-virus-challenge/>



- 1) Fear mongering is to suppress dissent
- 2) Part is to crash the economy
- 3) Mandated medicine

- #Fire Fauci is the mastermind of an organization across many presidents promoted a fake science that the immune system is so weak that you always characterize some virus as a cause of destruction to the immune system. He did this with HIV Aid
- Goal is to scare everyone with a fake science
- Immune system gets attacked by the virus
- What we did was to call for his firing and indictment
- 40,000 signed petition and 2,000 doctors across the world
- Doctors in big pharma system
- Not education process focused on healing. Not a process that teaches the physician the body as a system
- Food is medicine
- Gets thrown out the window
- Come out of medical school if this do this, they have golden handcuff if they don't do this they are liable. Growing movement of physicians who are recognizing that

- Fauci Leadership Council for the Gates foundation, loves Clintons and his relationship through NIH, CDC and WHO – triangle. By the way the Chinese Communist Party and Chinese CDC, NIH of USA funded \$14 million to the Chinese CDC.
- The entire cabal is not about health, not about understanding how we boost the immune systems. The videos I put out on the immune system fundamental is our operating system. Above that the apps run. If your operating system is dysfunctional everything falls apart and you get disease
- Fundamentally is the guts of our wellbeing
- Not Fauci, FDA, WHO, CDC talking about in fact you have Gates, Zuckerberg and Clinton Global Initiative who are all about vaccines. Their opportunity, talked about earlier, characterized earlier, it is to scare the bejesus out of everyone, next year September/October comes flu season, people will blindly accept the vaccination. Willing to show my vaccine card before I go to gym. Total control.

Q. President Trump pull back globalist scheme, all these organisations coming to together to crate a shadow cgovernme.t. we are talking the WHO and the president was looking at putting a hold to the WHO when they call every shot wrong, it is no good. The WHO calling the wrong shots?

- WHO if you look at it, one of the big organisations that work with them closely International Federation of Pharmaceutical Manufacturers Association (IFPMA). That executive committee Elie Lilly, pharmaceutical companies and Roche stock went up because of announcement they come up with a vaccine.
- The utopia of the Sustainable Development Goals, about 3 years ago, amazing world, no income inequality, no poverty, the way we get to the utopia is to vaccinate everyone. No One Will Be Left Behind, 2030, this is classic pharma. Promote a major problem, the fear everyone is going to die from infectious disease, then promote the solution we can get to this utopia, the way we get to the 17 SDG we vaccinate everyone. The institutions behind it WHO, CDC, Big Pharma, Gates, Zuckerborg, Clinton Global Initiative and essentially Fauci is their front man.
- We put out a call to fire Fauci. This is global. People are not stupid
- Same time Fauci had his fans put out petition so he could become the sexiest man alive. In 10 days 10,000. In 2 days 40,000 signed this petition.
- Videos giving technical base to know why. One of them – what is the immune system. Since we last spoke we put out more detailed videos, how the immune system works. Using cytosoul started looking at mechanism of action. To further give people knowledge, education and how these mechanisms work.
- We did powerful training education session on how Vitamin D works.
- In this entire discourse, across senior levels, be it Tucker Calson, he is following what we are doing. He is an opportunist. Shiva's getting views. They don't want to lose Trump audience. None of them will talk about the power of Vitamin D, A, C. God forbid they ever talk about immune health, will not talk about juicing up the immune system. That core foundational understanding is the real science.
- We live in a sea of microbes 30 trillion viruses inside in me, 60 trillion bacteria among my only 6 trillion cells. I am a germ farm. Around me is a germ farm. I am not dying, you are not, most are not dying. Those who do die are those who have a significantly compromised immune systems.

- In the letter I wrote to the President I laid out a very clear understanding 4 different groups
 - People with Covid-19
 - Immune suppressed
 - Critical care
 - Healthy people
- Proposed a way how you in a personalized way support those people with **Vitamin A, D, C and iodine**. Get the economy back to work. There **is no reason to do this quarantining** and “flattening the curve” and “social distancing” as the only way to solve it.
- However, what you have Fauci doing, what you have the mainstream media doing, they are going to promote this narrative, millions dying then 100,000’s.

Q as each day goes by the numbers are cut is this because projections way off or mitigation effective

- People watching our videos, people taking vitamin D, A etc. the reality is if you look at it broadly, a couple of things going on
- There is a **massive propaganda campaign**, the goal is say June let’s give Fauci the Nobel Prize in Medicine and Brix whatever her name is, they are the ones who convinced the President to do social distancing, we flatten the curve, we won. By the way the vaccine is here. That is the propaganda model.
- The reality is the sun is going to come out in a couple of months, pretty strong vitamin D, that is the reality, shoved under the rug.
- The reality of the numbers are not making any sense, they are cooking the books, two things. First of all, the WHO is the organization that creates the diagnostic codes, in USA the AMA creates the procedural codes. If you go into a doctor’s office and they assess you, the diagnostic codes WHO actual codes of diagnoses. WHO recommended two codes, one code diagnosed with COVID antibody test, or PCR test (many false positives), and you have COVID positively. The other is a fluffy code, feels and looks like COVID see some shortness of breath, they are coughing. So those two codes in a letter. The CDC sent a letter to hospital administrators to purposefully merge those codes. What that means is you come in. Example one of our friends, her husband, he was a smoker, he was an elderly gentleman in late 70s with pneumonia, this time same thing occurs. If anything happens to him they will give him a COVID label, no-one will remember he was a smoker, had horrible health etc. forgotten. The hospital administrators are encouraged anything that looks feels or smells like that symptom is the second code, put it into the first code. In fact a number of my friends who are physicians even after someone dies the physicians are being told did he have COVID like symptoms even though the test hasn’t come back, can take 14 days, they are putting it into the COVID into the diagnosis systems

Q is this because they had such high projected numbers, 100-200,000 deaths, so many infected, that they are reaching into every single medical diagnoses of someone dying and they are applying COVID-19 so they can inflate numbers so when they look back, we look back, look at those numbers we were right, but inflated, do you believe that to be true?

- If you are using those codes and giving people not a definitive metric it is an easy opportunity to manipulate that process. Hospital administrators run these organisations, they have to deliver profit. The hospital administrator, GPO’s and PBM’s. Group Purchasing Organisations there are PBM who drive

supply chains, middle men, there are incentive for tagging certain protocols, certain diagnosis, most of that is so opaque. Most can't get access. There is incentive under conditions by the hospital administrators to put things as COVID-19.

- By the way one of things people need to understand, seeing, we are **still at flu season, 10,000 dying** from the flu. Guess what the flu numbers are going down. Okay, interestingly proportionality. We need to do an investigation we are cannibalizing those flu numbers to beef up the COVID-19 number.

Q. So what you are saying, is they are in fact taking from other diagnosis if you had the flu, the numbers going down, because everyone is going over to the COVID-19 numbers

- Yeah. There are two codes. They made a fluffy code version and real code version of it.
- Give you an idea of it. In **Italy 38%-40% of the people are over the age of 65**. Guy comes in with a chest pain he has COVID-19. That is what we have to understand. The books are being cooked they need the narrative. The big game here is not now is 9 months from now. Must have mandatory vaccines. Big Pharma is our gateway to all solutions.
- I'd like to, having said that talk about some of those categories and enlighten people into the reality that these people don't give a damn about people's lives.
- Let's talk about critical ill, I did a video sharing how it works. 4 groups someone has COVID-19, antibody test/PCR test, one group. Another group immune compromised. There is an important group. Those people who are critically ill. If you saw the US news report, most of those people (95%) ventilators, they are going to die. Okay, why? Reality is let's go back to fundamental science, Gates Foundation are not talking about, Fauci not talking about, the sharks swimming around Trump are not talking about. Those critically ill how did they get there. First principles they have compromised immune systems 99% of the time, something happened to immune system, if not firing on all 6 or 8 cylinders immune system, one cylinder over reacts which is the (medical language here) cytokine storm, macrophages aren't doing their job, T cells not doing their job, compromised.. Alpha, Iowan Beta, these are cytokines another artillery machinery that overreacts and starts attacking your own lung tissue. I hope that is clear. That overreaction takes place a cytokine storm, you take bubble of alveoli, little balloon in the lungs, air comes in your capillaries exchange oxygen, CO2 then fresh blood flowing in the body, the gas exchange is occurring in the alveoli. Guess what happens when you have the cytokine storm, it is filling up with fluid, you put people on a ventilator. A balloon filled with water, basic physics, there is a law called Boyles law, pressure is inversely proportionate to volume, if you reduce volume, what goes up, pressure goes up. So now you are putting people on high pressure ventilators, the body is undergoing a cytokine storm, it is being filling up with fluid, what are you doing? You are putting more pressure, fundamentally what is happening exacerbating cytokine storm, causing more damage, you are literally popping off iron groups. Every red blood cell has hemoglobin groups, hemoglobin attached to iron, your are oxidizing, further oxidative stress, fundamentally these ventilators are killing people. Particularly the critically ill. It is a monetary huge opportunity for the hospital administrators every ventilator is money, create higher demand higher price. Simple solution. This is what is criminal Vitamin C, IV Vitamin C what I am talking about not medical advice, go into the literature, hundreds of papers, hundreds of systematic reviews. Even JAMA (journal of the American Medical Association) peer review journal for big Pharma conservatively admit, give IV Vitamin C, high dosage to have therapeutic effect. Even lowest levels 15-30 grams every 6 hours. In my letter to the President said 100 grams to have therapeutic over 24 hours, amazing effect. What does Vitamin C do? Vitamin has 3 properties it is a powerful inflammatory, its powerful anti-oxidant, in that unfortunate

cytokine storm lots of oxidative species created, lot of vitamin C eats them all up. It also modulates the immune system, amazing power modulate chemical processes at the cellular level, stops the cytokine storm, it is taking out the reactive oxidize species, and further more it is a anti-viral, stops RNA replication, transport of the virus out. Why aren't we doing this? What is going on in this country?

Q. Does this take us back to the Gates Foundation to the push for vaccines?

- **They don't want people to be healed.** Everything has to be the V in Vaccines not the V in Vitamins. They want the V in vaccines. The entire goal is to mandate vaccines. Why is that important? Why fundamentally important? I created email systems talked about as a kid. Many years later I also created a technology to analyse email, to solve email management. Biggest corporations in the world used my technology to watch what people were saying and market to them. I learned technologies can be used for observability and controllability. **Companies like Amazon. With 200 million China has out there. We want to use 5G to make this a surveillance state, completely.** We have the ability to gather lots of data, these are the dissenters and trouble makers over here, these are the ones who fall in line. You know who the target groups, marketing are – the older people, young women, sell them this purse, same technology send out to control people. The larger goal here is to create a large scale factory of AR matrons. The elites are thinking this - do I replace with silicon robots, easily controllable, program them and eliminate large parts of the population. Probably did a recalculations silicon based robots expensive, why don't I take my carbon based creates and automate them. See what I am saying. Control them. One of the important ways to control them. Is you must control the bloodstream. You must control our health it is the last oasis of what we have. Remember it is controllability and observability, once you can do that with the amazing technologies, do massive supercomputers that can calculations, control systems, to manipulate what you see what you get. The state has an amazing opportunity to make trillions deciding Gary likes this on the mundane level, Gary likes to eat hamburgers, let me sell him buns right. Go in, many of the Marketing organisations know this, if a guy goes to buys diapers they always put beer next to it, guys pick up the beer. PNG and companies like Information Resources, I used to be in the data analytics space, know this. So the fundamental goal is to create a monolithic top down system, aka China, state capitalism, crony capitalism, top down, not entrepreneurial innovation coming from bottom up. Consolidate science, consolidate innovation, consolidate health in to ONE imperial global state. That is the foundation of what is going on right now. This process is a vehicle to get there. They cannot talk about vitamins.

Incredible stuff here. We want this to get out on a very very wide scale. We rely on viewers to share the message. The main stream media, social media platforms, tweet this link at RealDonaldTrump #exposeWHO #exposeBillGates

Dr Shiva remind viewers that you are running for a Senate seat in Massachusetts, platform truth freedom and Health. If you want to support Shiva4Snate.com

15.6 Dr Nass Says Vaccines are not Black or White & Safety Withheld⁴⁷

Missing, Hidden and Destroyed Adverse Event data. Who vaccinates?

Who are the anti-vaxxers, really?

If I asked you whether you were **for or against** pharmaceutical drugs, you would think my question absurd. Obviously, each drug is different and should be **judged on its own merits**; furthermore, the usefulness of a drug depends on the specific needs of the person to whom it is given. Yet we have become **accustomed to thinking about the vaccine issue** in terms of being **pro or con** the entire class of vaccines.

Most parents who **do not fully vaccinate** their children are **not "against"** vaccination. **The media have incorrectly framed the debate this way**, for a reason. The for--or--against meme is very powerful **propaganda**, designed to suggest that this issue is black and white, which it most assuredly is not. It is further designed to create a picture in people's minds that those **"against" vaccine** mandates are anti-science, uneducated 'deplorables' (and who wants to be in that camp?) while those "for" vaccinations and mandates are the educated, pro-science, savvy people.

But guess what? Families who vaccinate less turn out to be wealthier and more highly educated than families that receive all the recommended vaccinations. So, if they aren't the 'deplorables,' are they entitled elites trying to get a 'free ride' off the backs of everyone who fully vaccinates?

What might be the true reason they decline vaccinations?

In the US, only 1.1% of children **receive no vaccinations** at all. According to CDC about 25% of children receive some, **but not all** recommended vaccinations. Their parents are choosy. They may have recognized that the birth dose of **Hepatitis B is an unnecessary vaccine for 99% of babies**. They may have learned that the age 12 dose of **Tdap has little value**. It doesn't prevent much pertussis, and kids are already immune to tetanus and diphtheria after 5 earlier vaccine doses. They may have cottoned on to the fact that their child **doesn't need either Meningitis A,C,W,Y or Men B vaccines** when there is less than a one in a million chance of getting meningococcal disease. (Rates of meningitis had dropped before current vaccines came into use.) They may know that while the **vaccines certainly generate an antibody** response, real world efficacy of these 2 vaccines has yet to be determined.

For these diseases, **herd immunity does not exist**. [Hep B requires bloodborne or sexual transmission. Pertussis immunity wears off so quickly that the vast majority of pertussis cases are vaccinated, but non-immune. Vaccination may increase the duration of pertussis shedding. Meningococcus is carried in the nose/throat of from 1-25% of the population, with or without vaccination.] Therefore, for these specific conditions, the **unvaccinated get no free** ride from the vaccinated, nor do the unvaccinated pose more than a minuscule increased risk to others.

⁴⁷ <https://anthraxvaccine.blogspot.com/2019/04/missing-adverse-event-data-drugs-vs.html>

Parents have a **legal right to opt out of vaccines** using religious or philosophical exemptions in 47 US states. I wasn't choosy when my kids were small, but today I certainly would be, if only because the benefits and risks are different for each vaccine.

Why does this author claim authority?

I **strongly support vaccinations**, and everyone's right to vaccinate with any licensed vaccine they choose. But I know a lot about how **vaccines are made**, and the serious **adverse effects** they can cause. I am an expert on the **anthrax vaccine**, and have provided expert testimony on this vaccine to several congressional committees, the National Academy of Sciences, the Canadian military courts (which led to ending its use in Canada) and a British tribunal. And I, through my patients' bitter experiences, learned it is critical to retain the right to choose your vaccines.

Choice leads to better vaccines

The fact is, **every vaccine is made very differently** from every other. Just like drugs, **no vaccine is "100% safe,"** and some are not very effective. You will lower your family's risk of an adverse effect by choosing only those vaccines that **provide high value**: needed benefit and relatively low risk. This is of course what doctors are expected to do when they prescribe drugs.

When vaccines are **mandated**, there is **no incentive** for their manufacturers to improve them. Sometimes, vaccine effectiveness becomes less over time. The whole-cell pertussis vaccine was replaced by the current acellular pertussis vaccine in 1997 both because its effectiveness had lessened, and because it caused a high rate of adverse events. Had consumers not been refusing it, there might have been no switch to an acellular vaccine. Now, we need a more effective pertussis vaccine, but with a guaranteed market for existing vaccines, industry has been slow to respond.

Unknown substances

Vaccines are **both 'biologics' and drugs**, according to the Food, Drug and Cosmetic Act. And according to the FDA, "Most drugs consist of **pure chemical substances** and their structures are known. Most biologics, however, are **complex mixtures** that are not easily identified or characterized." Translation: vaccines contain unknown substances. Unknown even to the FDA.

Doctors are not trained about vaccines in med school

Doctors are **not taught about vaccines the way they are taught about drugs' risks and benefits**. I received very thorough training on drugs, but no more than an hours' training on all vaccines. **Thus, doctors usually don't learn about vaccine adverse reactions** until something happens to their own patients. In the past twenty years, **vaccines that caused more problems than they solved** (and were subsequently taken off the market) have included Rotashield, Lymerix and Pandemrix. Few doctors were aware of any problems until the vaccines were withdrawn. Yet this is the proof that vaccines can be either good or bad.

What data do FDA use to license drugs and vaccines?

We rely on the FDA to assure that vaccines are relatively safe and effective. The FDA relies on the results of clinical trials and other tests. **Testing before licensure is entirely paid for and/or conducted by the manufacturer**, and all data are **owned and supplied** by the manufacturer. FDA approves vaccines and then crafts a label in conjunction with the manufacturer, describing the safety and efficacy of the vaccine based only on manufacturer data.

Do the data become public after licensing a vaccine or drug?

For vaccines, as much else in life, the devil is in the details. And public access to those details (especially regarding safety) is very limited. Twenty years ago, when Congress was examining the safety of vaccines, CDC answered my **Freedom of Information Act** requests for data on their own **anthrax** vaccine studies. But for the past ten years they have only provided **excuses and stonewalling**.

The book Vaccine Whistleblower tells **Dr. William Thompson's** story of how CDC employees, including himself, were made to **put unwanted data in a garbage** can and rework their analyses until a strong statistical association between black males who received an early MMR and becoming autistic just--disappeared. Then CDC published this doctored paper.

A new **Hepatitis B vaccine**, Heplisav, may cause a considerable number of **excess heart attacks**. It may cause other significant problems, and may **not be safe** in pregnancy. The data needed to resolve all of this don't exist yet. FDA **licensed the vaccine anyway**, asked the manufacturer to conduct the needed studies in tens of thousands of patients (who are unlikely to know they are receiving an experimental product they have paid for) and FDA will look at the studies after they are completed in 2021, 2022 and 2023 to determine if the vaccine is safe.

Heplisav is only the latest example of 'license first, get the answers later'--at FDA.

Agency malfeasance

The fact is, *information on the safety of vaccines* is being **withheld** from the American people by their own government. The only explanation is that the leaders at FDA and CDC have been **captured by industry**, along with a massive **agency-industry revolving door**.

That adverse event information for **licensed vaccines, drugs and medical devices**, collected or generated by federal health agencies--as in this recent FDA scandal -- gets hidden, destroyed or does not even exist should be a compelling concern of everyone.

Posted by Meryl Nass, M.D. at 7:15 PM

16.0 DOCTORS: DEATH CERTIFICATE NUMBERS ARE WRONG

Doctors Testimonials and Interviews

Video reference:

[Whistleblowers Doctors say FAKE CV19 Numbers Dr Annie Bukacek Dr Scott Jensen Covid1984-s4ZzZFQ7wwY.mkv](#)

Dr Annie Bukacek and Dr Jensen (Republican) provide testimonials and interviews regarding inaccurate death certificates



The decision for government **mandated lockdown has been based on the alleged death rate of Covid-19**. Is this death rate based on truth inquiring minds want to know. Are reported deaths from Covid-19 truly deaths from Covid-19.

To address this question we need to discussion of deaths certificates are the basic source of information about mortality.

The discussion of death certificates is not a fun one we have all grieved many loved ones I n our life ties we have to talk about they are the basis of the so-called death rate of Covid-19. History changing decisions are being made due to these figures despite the fact that they are flat out wrong. Based on data that is insufficient and often inaccurate. Few people know how much individual power and leeway is given to the physician,

coroner, or medical examiner signing the certificate. How do I know this. I've been filling out death certificates for 30 years.

More often than we want to admit we do not know with certainty the cause of death when we fill out death certificates. That is just life we are doctors not god.

Autopsies are rarely performed. Even when a autopsy is done the actual cause of death is not always clear. Physicians make their best guesstimate and fill out the form. That listed death whatever we list is entered into a vital records databank which is used for statistical analysis which then gives out inaccurate numbers. As you can imagine. Those inaccurate numbers then become accepted as factual information even though much of it is false.

So, even before we heard of Covid-19 deaths certificates were based on assumptions and educated guesses that go unquestioned. When it comes to Covid-19 there is the additional data skewer there is no universal definition of Covid-19 deaths. The Center for Disease Control updated from yesterday April 4 (2020) still states that "mortality" data includes both confirmed and presumptive positive cases of Covid-19. That is from their website. Translation: The CDC counts both true Covid-19 cases and speculative guesses of Covid-19 the same. They call it death by Covid-19. They automatically overestimate the real death numbers by the own admission.

Prior to Covid-19 people were more likely to get an accurate cause of death written on their certificate if they died in the hospital. Why more accurate if a patient dies in the hospital? Because hospital staff has physical exam findings labs radiologic studies etc. to make a good educated guess. It is estimated that 60% of people die in hospital. Even those in hospital deaths, the cause of death is not always clear especially in someone with multiple health conditions. Each of which could cause the death. Clear cut causes of death might include: traumatic brain injury from a car accident, intractable seizures or asthma, sepsis from overwhelming infection, respiratory arrests from a COPD exacerbation, ruptured aneurism, metastatic cancer, massive acute heart attack, stroke or pulmonary embolism.

I will talk more in a little bit about why inaccuracy in the cause of death has declined for hospital deaths with the introduction of Covid-19 testing.

There are also unclear causes of deaths in ambulances. That is a reality. An example would be someone with multiple deadly conditions who gets short of breath and dies before evaluation could be done. Was it the patients underlying lung disease or heart disease that caused the shortness of breath which caused them to call the ambulance. Or was there a concomitant pneumonia or other problem we don't know because the patient died before the incident could be evaluated.

An estimated 60% die in the hospital. As to the other 40% it is estimated about 20% die at home and 20% in nursing homes in this country. The true cause of death in these situations usually remain unknown the death certificate is filled out with the best educated guess. Unknown causes of death include elderly people or younger people with known heart disease who die peacefully in their sleep. It is not acceptable to list old age as a cause of death even though that may be more accurate than the cause of death we often list on the death certificate. We are allowed to state as a cause of death ethrosch...rocardiovascular disease. That may be our best guess in a lot of those cases. Is it truly the cause, who knows, only god in heaven knows, amen.

Allow me to give a real world example one of my patients father's died about 17 years ago he was old and in the final days of terminal cancer. He also had heart disease but was too old and too sick to get heart bypass surgery. As he got near the end of his life he came down with what appeared to be pneumonia as my patient this man's son stood by this father's sick bed at home this man died. No-one was there. The mortician was called and removed the body at about 2am in the morning. The next morning the funeral home called asked my patient the son of this man what time did he die and what was the cause. The death certificate listed the son's best guess. The cause of death made by the deceased man's son was made official, he was cremated so there was no second opinion. This man didn't have any medical training that gave the diagnosis to the mortician, this happens all the time, especially in poor urban area, casual country towns and rural areas. In the case of my patients father did an accurate cause of death matter, not really.

But today when governments are making massive changes and it affects our constitutional rights and those changes are based on inaccurate statistics it does matter.

There is a US standard for death certificate that includes a line for immediate cause of death followed by 2-3 lines of antecedent causes giving rise to the immediate cause. Then 1-2 lines of other significant conditions contributing to the death but not causally related to the immediate cause. For an example immediate cause of death sepsis, antecedent cause pneumococcal pneumonia other significant conditions COPD. Let's combine the information I have given you so far in the guess work involved in filling out certificates and apply it to Covid-19.

The analysis that follows requires the presupposition in today's medical climate in many if not most patients sick enough to be hospitalised will be checked for Covid-19. It also requires an understanding of what we know at this point that most people who test positive for covid-19 have mild or no symptoms. Therefore testing positive for Covid-19 does not mean that the person is sick with it or if a person died or that they died from it.

To drive this home we need to understand how the CDC and national vitals system are instructing physicians to fill out death certificates related to Covid-19. Brace yourself and please pay attention and allow what I am about to tell you sink in. the assumption of Covid-19 death can be made even without testing based on assumption alone the death can be reported to the public as another Covid-19 casualty.

The March 24, 2020 National Vital Statistics memo states: "the rules for coding and selection for the underlying cause of death are expected to result in Covid-19 being the underlying cause more often than not". The CDC report of cases from the US memo from yesterday states the death numbers are "preliminary and have not been confirmed." (CDC website). Here is a quote even more laden with meaning. **Steven Schwartz National Director of the Division of Vital Statistics** says in answer to the question as stated in the organisations Covid-19 Alert "should Covid-19 be reported on the death certificate only with a confirmed test?" Check out his answer and I quote for this memo of which I have a copy "Covid-19 should be reported on the death certificate for all the decedents where the disease caused or assumed to have caused or contributed to death certifiers should include as much detail as possible based on their knowledge of the case, medical records, laboratory testing etc."

Should "COVID-19" be reported on the death certificate only with a confirmed test?

COVID-19 should be reported on the death certificate for all decedents where the disease caused or is assumed to have caused or contributed to death. Certifiers should include as much detail as possible based on their knowledge of the case, medical records, laboratory testing, etc. If the decedent had other chronic conditions such as COPD or asthma that may have also contributed, these conditions can be reported in Part II. (See attached Guidance for Certifying COVID-19 Deaths)

I am sure you feel so reassured the government is asking the doctors to provide their very best guess work, NOT. Fact: "Covid-19 caused death" and "assumed Covid-19" are not the same thing and had an incidental finding of Covid-19 positivity. Dying with Covid-19 is not the same as dying from Covid-19.

I am almost done I want to clarify the process with another patient example. This could happen commonly not a specific patient I am thinking of.

A sick patient who goes into respiratory arrest at home he is intubated at home by MT's by put a tube down his throat to help him breath he is taken to the hospital by ambulance put on a ventilator in the ICU put on antibiotics for presumed sepsis given IV fluids because his blood pressure has bottomed out. The bacteria pneumocochas is found in the blood and sputum cultures pneumonia is seen on the chest x-ray despite the staff's best efforts he dies 2 days after admission.

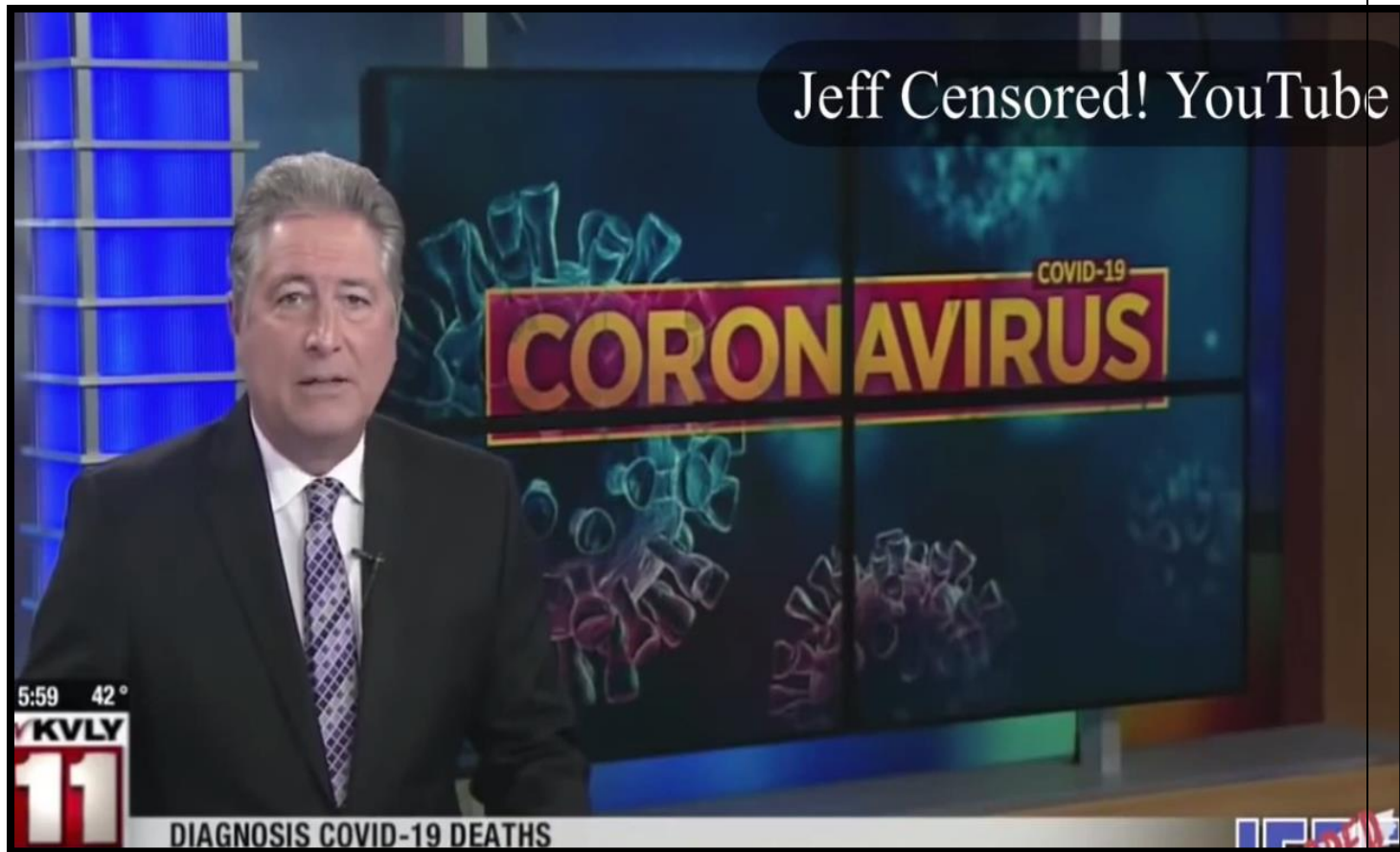
This is not an uncommon scenario. The patient was found to be Covid-19 positive and the doctor has the option of listing on the death certificate that Covid-19 is the immediate or antecedent cause because the doctor theorises contributed. Either way it goes into data bank as cause by Covid-19.

To reiterate if a patient tests positive for Covid-19 and dies from another cause such as pneumococcal sepsis it may be considered accurate to say that a person died with Covid-19 not from Covid-19. Yet the CDC guidelines list this case as one more Covid-19 death and they go to the next questionable death they label

that as Covid-19 and it goes on and on. You can see how these statistics have been to look really scary when it is so easy to add false numbers to the official database. Those false numbers are sanctioned by the CDC as of their memo yesterday April 4. I have made physical copies of those memo's in case more people start looking at their website and they decide it was too much truth for us. I hope I was able to made my point the real number of Covid-19 deaths are not what most people are told and what they think. How many people have actually died from Covid-19 is anyone's guess, again god only knows. But based on how death certificates are being filled out the number is substantially lower then what we are being told. Based on inaccurate, incomplete data people are being terrorised by fear monger's into relinquishing cherished freedoms.

I have a little PS. You can't have a true case fatality rate without testing massive numbers of people. That is another topic. What is that old saying. Figures don't lie but liars sure can figure.

MEDIA REPORTS



Anchor: Minnesota State Senator said officials are asking doctors to fill out death certificates with diagnosis of Covid-19 whether the person died of it or not. News team Kelly Hubbard talked dot the law maker today who says fear might be coming into play.

Reporter: Minnesota Senator and Dr Scott Jenson said he received a 7 page document from the Minnesota department of health on how doctors should go about filling out a cause of death certificate.



To our colleagues involved with death registration and certification:

Thank you for providing essential services during the COVID-19 pandemic. Especially now during this uncertain health situation, we appreciate your efforts to certify deaths and provide families the support they need. We want you to know that MDH and the Office of Vital Records (OVR) are here to support you and assure that death records are accurate and that timely registration and certification activities continue. Vital records are essential and we are following the Governor's orders and MDH's plan.

OVR is open and MR&C is available

- Minnesota Registration and Certification (MR&C) is a priority IT system—MR&C is available and is fully operational.
- MR&C and general support and service are available to you and all of our partners. Representatives are available from 8 a.m. to 4:30 p.m., Monday through Friday. Contact the OVR Help Desk at health.vitalrecords@state.mn.us or 651-201-5970. Please leave a voicemail message afterhours and OVR will call you back the next business day.



OVR makes MR&C access a priority for medical certifiers who are ready to provide information about the cause and manner of death. Sign up to certify online by completing the Medical Certifier and Designated Staff User Agreement (PDF) found on the [MR&C for](#)

[Medical Certifiers](#) webpage.

- Log in to MR&C from anywhere. MR&C is a web-based system that is available 24/7 from any internet connection.

Advice for physicians, physician assistants, and advanced practice registered nurses who certify deaths

- Take immediate action when you become aware that a patient has died and you need to provide a cause of death statement—timely certification of all deaths is critical during the pandemic. MR&C will send an email and the record will appear in your MR&C cause of death work queue.
 - Consider designating staff to enter your cause of death statements into MR&C on your behalf if you are out of the office, working remotely, or if operations in your clinic or facility are temporarily irregular.
 - Work out coverage with other medical certifiers who have access to your patients' medical records.
- Provide the date you last saw the decedent; **a telemedicine appointment is acceptable** as the date a decedent was last seen
- Provide cause of death information based on your best medical opinion using the information available to you. For guidance on how to enter cause of death information into MR&C, see the [MR&C for Medical Certifiers](#) webpage.



Know that your cause of death statement is necessary for medical examiners and coroners to authorize cremation. Timely disposition is critical during the pandemic.

Respond to medical examiners and coroners if they contact you about a death record.

You can request that OVR correct information about the cause of death anytime, even after

issuance of certificates.

- NEW! Find the *Request to Change Cause or Manner of Death* (PDF) on the [OVR Forms for Medical Certifiers](#) webpage.
 - Report **Coronavirus Disease 2019** or **COVID-19** on death certificates for all decedents where the disease caused, is assumed to have caused, or contributed, to death. Include as much detail as possible based on your knowledge of the patient, medical records, laboratory testing, etc. If the decedent had other chronic conditions such as COPD or asthma that may have also contributed, report the conditions in Part II.
- Find guidance for certifying COVID-19 deaths on the [Additional Resources for Medical Certifiers](#) webpage.

DIAGNOSIS COVID-19 DEATHS

Reporter: The letter from the Minnesota Department of Health gives advice to physicians and physician assistance and others who certify deaths. The letter takes you to a CDC website that has recommendations on how to include Covid-19 as a diagnosis for someone who has never tested for Covid-19.

Vital Statistics Reporting Guidance



Report No. 3 • April 2020

Guidance for Certifying Deaths Due to Coronavirus Disease 2019 (COVID-19)

Introduction

In December 2019, an outbreak of a respiratory disease associated with a novel coronavirus was reported in the city of Wuhan in the Hubei province of the People’s Republic of China (1). The virus has spread worldwide and on March 11, 2020, the World Health Organization declared Coronavirus Disease 2019 (COVID-19) a pandemic (2). The first case of COVID-19 in the United States was reported in January 2020 (3) and the first death in February 2020 (4), both in Washington State. Since then, the number of reported cases in the United States has increased and is expected to continue to rise (5).

In public health emergencies, mortality surveillance provides crucial information about population-level disease progression, as well as guides the development of public health interventions and assessment of their impact. Monitoring and analysis of mortality data allow dissemination of critical information to the public and key stakeholders. One of the most important methods of mortality surveillance is through monitoring causes of death as reported on death certificates. Death certificates are registered for every death occurring in the United States, offering a complete picture of mortality nationwide. The death certificate provides essential information about the deceased and the cause(s) and circumstances of death. Appropriate completion of death certificates yields accurate and reliable data for use in epidemiologic analyses and public health reporting.

AGNOSIS COVID-19 DEATHS

health surveillance is the ongoing monitoring of pneumonia and influenza deaths. Accurate and timely death certificate data are

Cause-of-Death Reporting

When reporting cause of death on a death certificate, use any information available, such as medical history, medical records, laboratory tests, an autopsy report, or other sources of relevant information. Similar to many other diagnoses, a cause-of-death statement is an informed medical opinion that should be based on sound medical judgment drawn from clinical training and experience, as well as knowledge of current disease states and local trends (6).

Part I

This section on the death certificate is for reporting the sequence of conditions that led directly to death. The immediate cause of death, which is the disease or condition that directly preceded death and is not necessarily the underlying cause of death (UCOD), should be reported on line a. The conditions that led to the immediate cause of death should be reported in a logical sequence in terms of time and etiology below it.

The UCOD, which is “(a) the disease or injury which initiated the train of morbid events leading directly to death or (b) the circumstances of the accident or violence which produced the fatal injury” (7), should be reported on the lowest line used in Part I.

Approximate interval: Onset to death



Dr. Jensen: I have a patient, nursing home, frail, 88 years old who comes down with a cough or fever and after 3 days ends up passing away from pneumonia. I am not going to put influenza on that death certificate so I doubt I will be inclined to put Covid-19.

Reporter: Dr Jensen says each states reported death numbers is making people a lot of people fearful adding that getting the number right is critical especially during the pandemic.

Scott Jensen (Minnesota politician)

From Wikipedia, the free encyclopedia

Scott M. Jensen (born November 19, 1954) is a physician, American politician, and member of the Minnesota Senate. A member of the Republican Party of Minnesota, he represents District 47 in the western Twin Cities metropolitan area.

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Scott Jensen



**Member of the Minnesota Senate
from the 47th district**

Incumbent

Assumed office

Early life, education, and career [edit]

Jensen was born on November 19, 1954, and graduated valedictorian from Sleepy Eye High

Scenario III: An 86-year-old female with an unconfirmed case of COVID-19

An 86-year-old female passed away at home. Her husband reported that she was nonambulatory after suffering an ischemic stroke 3 years ago. He stated that 5 days prior, she developed a high fever and severe cough after being exposed to an ill family member who subsequently was diagnosed with COVID-19. Despite his urging, she refused to go to the hospital, even when her breathing became more labored and temperature escalated. She was unresponsive that morning and her husband phoned emergency medical services (EMS). Upon EMS arrival, the

patient was pulseless and apneic. Her husband stated that he and his wife had advanced directives and that she was not to be resuscitated. After consulting with medical command, she was pronounced dead and the coroner was notified.

Comment: Although no testing was done, the coroner determined that the likely UCOD was COVID-19 given the patient's symptoms and exposure to an infected individual. Therefore, COVID-19 was reported on the lowest line used in Part I. Her ischemic stroke was considered a factor that contributed to her death but was not a part of the direct causal sequence in Part I, so it was reported in Part II.

Scenario III

CAUSE OF DEATH (See instructions and examples)		Approximate interval: Onset to death
<p>32. PART I. Enter the <u>chain of events</u>—diseases, injuries, or complications—that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines if necessary.</p> <p>IMMEDIATE CAUSE (Final disease or condition resulting) 6:01 42°</p> <p>Sequently, if any, listed on UNDERL (disease initiated in death) 11</p>	<p>a. Acute respiratory illness Due to (or as a consequence of):</p> <p>b. Probable COVID-19 Due to (or as a consequence of):</p> <p>c. _____ Due to (or as a consequence of):</p>	<p>1 day</p> <p>5 days</p>
DIAGNOSIS COVID-19 DEATHS		CONFIDENTIAL

Dr Jensen: I worry sometimes, we are so darn interested in jazzing up the fear factor that sometimes people's ability to think for themselves is paralysed if they are frightened enough.

Reporter: One of the scenarios listed under the CDC guidance for certifying deaths due to coronavirus even no testing was done the coroner determined the underlying cause of death was Covid-19 given the patients symptoms and exposure to an infected individual. **So is the Minnesota State data reliable?**



Dr Jensen: I don't think I have any position to question that per se. I know that I have talked to nursing staff who have been involved with people who have passed away. Who had living wills or hospice care, in some of those situations I've been led to believe that there was a covid19 diagnosis on that death certificate document without having a Covid-19 confirmed laboratory test I don't have any way to confirm that myself.

Reporter: He says the public isn't stupid and if you start messing with numbers you are going to wish you didn't.

World

99% of Those Who Died From Virus Had Other Illness, Italy Says

By [Tommaso Ebhardt](#), [Chiara Remondini](#), and [Marco Bertacche](#)

March 18, 2020, 8:56 AM GMT-4




W THE WESTERN JOURNAL

Commentary

COMMENTARY

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CDC Tells Hospitals To List COVID as Cause of Death Even if You're Just Assuming or It Only Contributed



COVID-19 Alert No. 2
March 24, 2020

New ICD code introduced for COVID-19 deaths
This email is to alert you that a newly-introduced ICD code has been implemented to accurately capture mortality data for Coronavirus Disease 2019 (COVID-19) on death certificates.

Please read carefully and forward this email to the state statistical staff in your office who are involved in the preparation of mortality data, as well as others who may receive questions when the data are released.

What is the new code?
The new ICD code for Coronavirus Disease 2019 (COVID-19) is U07.1, and below is how it will appear in formal tabular list format.

U07.1 COVID-19
Excludes: Coronavirus infection, unspecified site (B34.2)
Severe acute respiratory syndrome (SARS), unspecified (U04.8)

The WHO has provided a second code, **U07.2**, for clinical or epidemiological diagnosis of COVID-19 where a laboratory confirmation is inconclusive or not available. Because laboratory test results are not typically reported on death certificates in the U.S., NCHS is not planning to implement U07.2 for mortality statistics.

When will it be implemented?
Immediately.

Will COVID-19 be the underlying cause?
The underlying cause depends upon what and where conditions are reported on the death certificate. However, the rules for coding and selection of the underlying cause of death are expected to result in COVID-19 being the underlying cause more often than not.

What happens if certifiers report terms other than the suggested terms?
If a death certificate reports coronavirus without identifying a specific strain or explicitly specifying that it is not COVID-19, NCHS will ask the states to follow up to verify whether or not the coronavirus was COVID-19. As long as the phrase used indicates the 2019 coronavirus strain, NCHS expects to assign the new code. However, it is preferable and more straightforward for certifiers to use the standard terminology (COVID-19).

What happens if the terms reported on the death certificate indicate uncertainty?
If the death certificate reports terms such as "probable COVID-19" or "likely COVID-19," these terms would be assigned the new ICD code. It is not likely that NCHS will follow up on these cases.
If "pending COVID-19 testing" is reported on the death certificate, this would be considered a pending record. In this scenario, NCHS would expect to receive an updated record, since the code will likely result in R99. In this case, NCHS will ask the states to follow up to verify if test results confirmed that the decedent had COVID-19.

Do I need to make any changes at the jurisdictional level to accommodate the new ICD code?
Not necessarily, but you will want to confirm that your systems and programs do not behave as if U07.1 is an unknown code.

Should "COVID-19" be reported on the death certificate only with a confirmed test?
COVID-19 should be reported on the death certificate for all decedents where the disease caused or is assumed to have caused or contributed to death. Certifiers should include as much detail as possible based on their knowledge of the case, medical records, laboratory testing, etc. If the decedent had other chronic conditions such as COPD or asthma that may have also contributed, these conditions can be reported in Part II. (See attached Guidance for Certifying COVID-19 Deaths)

Should "COVID-19" be reported on the death certificate only with a confirmed test?

COVID-19 should be reported on the death certificate for all decedents where the disease caused or is **assumed to have caused or contributed to death**. Certifiers should include as much detail as possible based on their knowledge of the case, medical records, laboratory testing, etc. If the decedent had other chronic conditions such as COPD or asthma that may have also contributed, these conditions can be reported in Part II. (See attached Guidance for Certifying COVID-19 Deaths)

Steven Schwartz, PhD
Director – Division of Vital Statistics
National Center for Health Statistics
3311 Toledo Rd | Hyattsville, MD 20782

Guidance for Certifying COVID-19 Deaths
 March 4, 2020

NCHS is receiving questions about how deaths involving the new coronavirus strain should be reported on death certificates. We are working on formal guidance to certifiers to be published as soon as possible. In the meantime, to address the immediate need, here is some basic information that can be shared in advance of the more formal and detailed guidance. It is important to emphasize that **Coronavirus Disease 2019** or **COVID-19** should be reported on the death certificate for all decedents where the disease caused or is assumed to have caused or contributed to death. Other terminology, e.g., SARS-CoV-2, can be used as long as it is clear that it indicates the 2019 coronavirus strain, but we would prefer use of WHO’s standard terminology, e.g., COVID-19. Specification of the causal pathway leading to death in Part I of the certificate is also important. For example, in cases when COVID-19 causes pneumonia and fatal respiratory distress, both pneumonia and respiratory distress should be included along with COVID-19 in Part I. Certifiers should include as much detail as possible based on their knowledge of the case, medical records, laboratory testing, etc. If the decedent had other chronic conditions such as COPD or asthma that may have also contributed, these conditions can be reported in Part II. Here is an example:

CAUSE OF DEATH (See instructions and examples)		Approximate interval Onset to death
<p>32. PART I. Enter the <u>chain of events</u>—diseases, injuries, or complications—that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines if necessary.</p> <p>IMMEDIATE CAUSE (Final disease or condition resulting in death) → a. <u>Acute respiratory distress syndrome</u> Due to (or as a consequence of): _____</p> <p>Sequentially list conditions, if any, leading to the cause listed on line a. Enter the UNDERLYING CAUSE (disease or injury that initiated the events resulting in death) LAST.</p> <p>b. <u>Pneumonia</u> Due to (or as a consequence of): _____</p> <p>c. <u>COVID-19</u> Due to (or as a consequence of): _____</p> <p>d. _____</p>		<p>2 days</p> <p>10 days</p> <p>10 days</p> <p>_____</p>
<p>PART II. Enter other <u>significant conditions contributing to death</u> but not resulting in the underlying cause given in PART I.</p>		<p>33. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>35. DID TOBACCO USE CONTRIBUTE TO DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> Probably</p>		<p>34. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>36. IF FEMALE: <input checked="" type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Not pregnant, but pregnant within 42 days of death</p>		<p>37. MANNER OF DEATH <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Pending investigation <input type="checkbox"/> Suicide <input type="checkbox"/> Could not be determined</p>

SOCIAL ENGINEERING



🕒 5h ago

Weekend warning: Stay at home even in the sunshine or people will die

Socially engineered to accept that this is the New Normal

the Black Plague driving room about

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Big Cities Won't Snap Back to Normal

And so long as they're closed for business, the economy will remain stalled too.

RONALD BROWNSTEIN

TECH / CORONAVIRUS

After The Coronavirus Passes, Your World Will Not Go Back To Normal

Before the pandemic began, the systems that govern our world were brittle. Today, they are broken. When we emerge, the world will be different, and so will we.

Ryan Brudwick
New York Times Reporter

Posted on April 2, 2020, at 5:26 p.m. ET

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Andrew Cuomo

New York governor says US won't 'get back to normal' after coronavirus

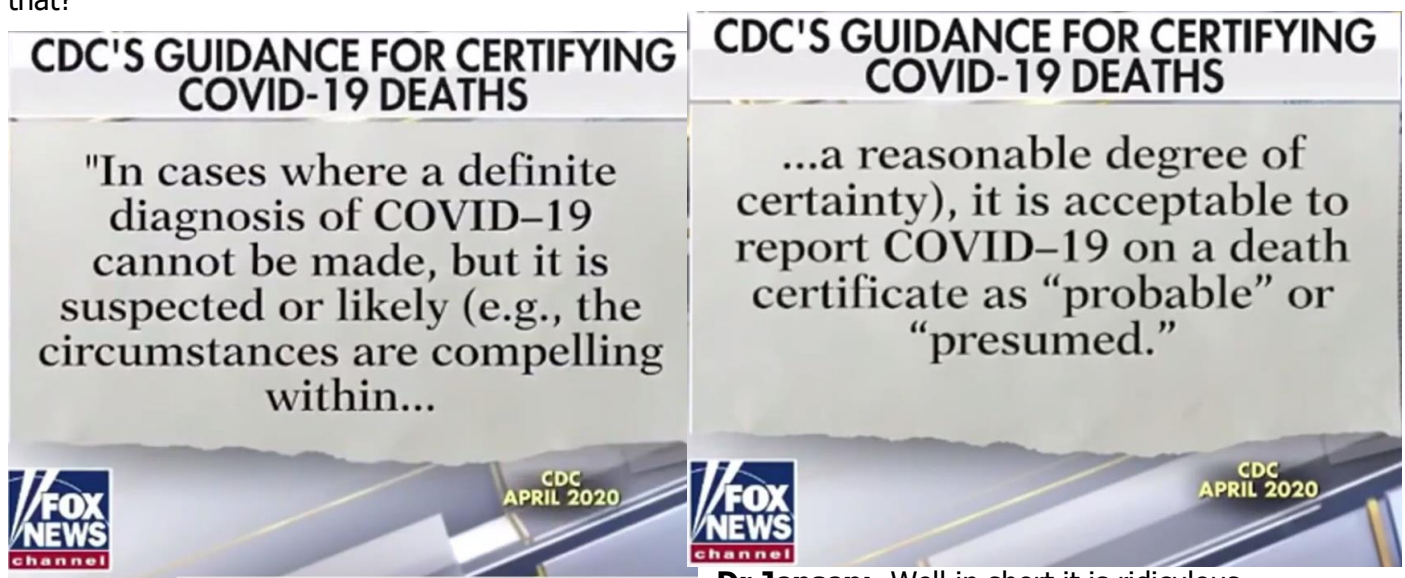
Andrew Cuomo said country will get to a new normal and emphasized all states must be prepared for such crises

Coronavirus - live US updates

Live global updates



Reporter: My next guest is a doctor and State Senator in Minnosoda who is deeply troubled the CDC's latest guidance for counting Covid deaths. Doctor Scott Jensen joins me now. I want to read for our viewers what the CDC says in part about how to count Covid deaths. (read out) So Doctor what is the problem with that?



Dr Jensen: Well in short it is ridiculous...

I just went through the CDC's manual on how to complete death certificates the parts that were specifically written for physicians in that manual it talks of precision and specificity and that is what we are trained with. The determination of the cause of death has impact on State planning, it has impact on future generations and the idea that we are going to allow people to massage and gaim the numbers is a real issue, we are going to undermine the trust. And Right now when we see politicians doing things that aren't necessarily motivated on fact and science the public, there trust in poilticians is already wearing then....

Let's just take influenza and if I patient died a month ago had a fever, coughed after 3 days, maybe being an elderly fragile individual and there happened to be an influenza epidemic around our community. I wouldn't put influenza on the death certificate and have neve been encouraged to do so. I would put respiratory arrest the first line the underlying cause of disease pneumonia. Contributing factors emphacema conjestive heart failure. I'd never put influenza down as the underlying cause of death and that is what we are being asked to do here. Let's take someone is hit by a bus and they collapse they go into emergency

room, there 15-20 minutes, blood work comes back Covid test come backs positive. They die 20 minutes later because of their collapsed lung are we going to put that down as Covid-19, that doesn't make any sense.

Anchor: Chris Berg: Can you repeat what you just said please?



Dr Jensen: Well last Friday I received a 7 page that told me that if I had a 86 year old patient that had pneumonia but was never tested for Covid-19 but sometime after she came down with pneumonia we learned she had been exposed to her son who had no symptoms but later on was identified with Covid-19 it would be appropriate to diagnose on the death certificate Covid-19. We have not done that if someone has pneumonia and it is in the middle of a flu epidemic and I don't have a test on influenza I don't diagnose influenza on the death certificate. I will say this elderly patient died of pneumonia.

Chris Berg: I don't mean to interrupt you but my heart is sinking right now as you are telling me this. You are a doctor....Why in the world would they be sending you out information to fill in death certificates where the person has been diagnosed with Covid-19 or not and then to say on the death certificate this person's death was caused by Covid-19 that does not sound right to me.

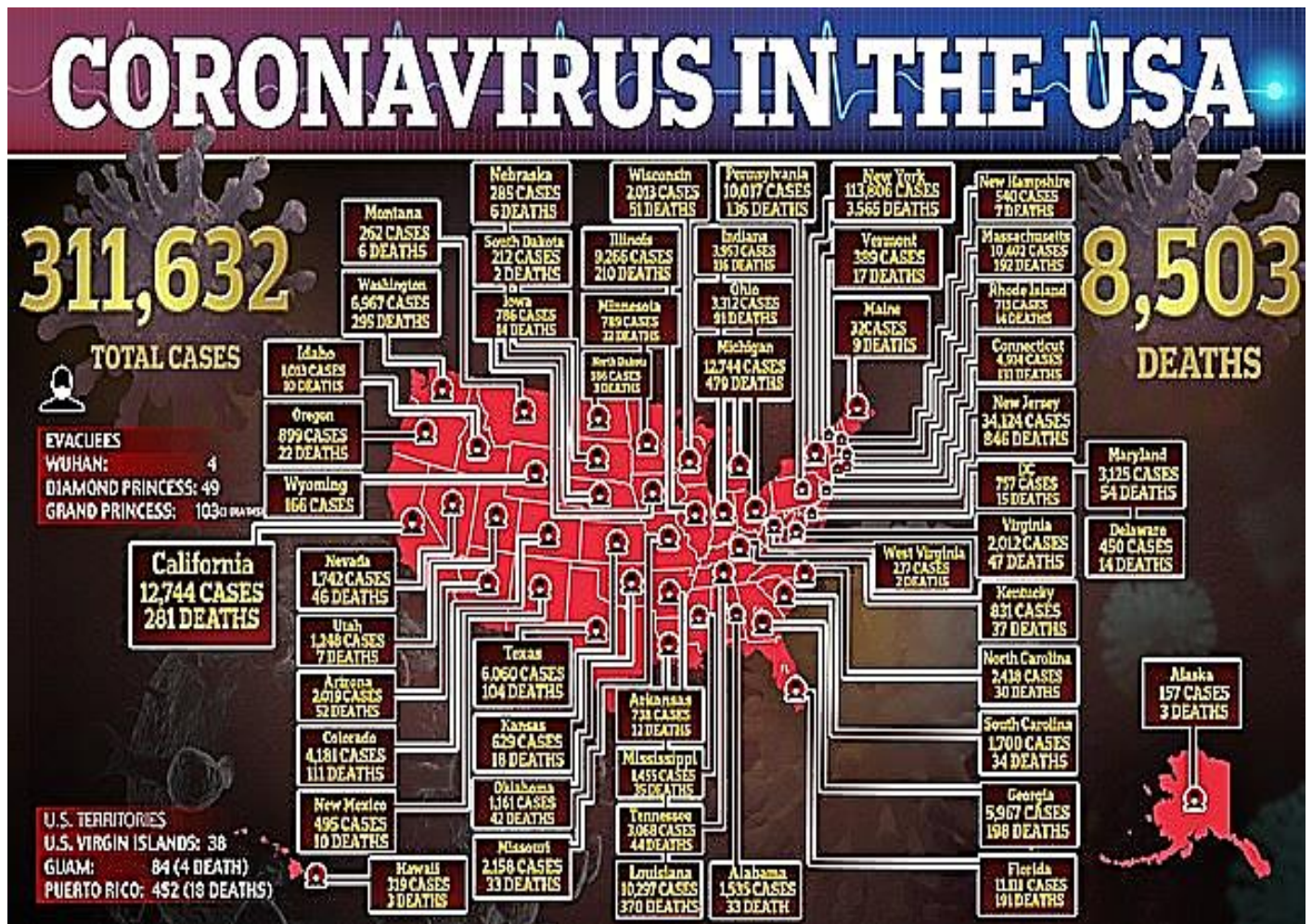
Dr Jensen: I went to the person in our office who does most of the death certificates over the last 10-20 years and I said "does this sound right" I had her look at the documents that I printed off and she said 'we've always been told that you always put down just the facts you don't put down on any probabilities you don't put any presumptions down it is just what you know' and so this is concerning and it actually gets to your point Chris when we start talking about the data that goes in to the modelling. We have to ask ourselves a question - Are we being forthright are we sharing with the public? Minnesota North Dakota we don't need to be having it sugar coated we want to know what is going into your modelling?

...

Chris Berg: That being said why would they want to skew the number of deaths due to Covid-19?

Dr Jensen: Fear is a great way to control people and I worry about that.

17.0 INACCURATE DEATH NUMBERS



17.1 Coronavirus and Dodgy Death Numbers⁴⁸

11 May 2020

By F. William Engdahl

Not only are the coronavirus models being used by WHO and the most national health agencies based on highly dubious methodologies, and not only are the tests being used of wildly different quality, that only indirectly confirm antibodies of a possible COVID-19 illness. Now the actual designations of deaths related to coronavirus are being revealed to be equally problematic for a variety of reasons. It gives alarming food for thought as to the wisdom of deliberately putting most of the world's people—and with it the world economy—into Gulag-style lockdown on the argument it is necessary to contain deaths and prevent overloading of hospital emergency services.

When we take a closer look at the definitions used in various countries for "death related to COVID-19" we get a far different picture of what is claimed to be the deadliest plague to threaten mankind since the 1918 "Spanish Flu."

The USA and CDC definitions

Right now the USA is said to be the nation with far the largest number of COVID-19 deaths, as of this writing, with media reporting some 68,000 "Covid-19" deaths. Here is where it gets very dodgy. The Government **agency responsible** for making the cause of death tally for the country, the **CDC**, is making **huge changes** in how they count so-called novel coronavirus deaths.

As of May 5, the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention in Atlanta, the central agency recording cause of death nationwide, reported 39,910 COVID-19 deaths. A footnote defines this as "Deaths with confirmed or presumed COVID-19." How a doctor makes the "presumed" judgment leaves huge latitude to the hospital and health professionals. Although the coronavirus tests are known to be subject to **false** results, CDC states that even where no tests have been made a doctor can **"presume"** COVID-19. Useful to note for perspective is the number of USA deaths **recorded** from all causes in the same period of February 1 through May 2, that was 751,953.

Now it gets more murky. The CDC posted this notice: "As of April 14, 2020, CDC case counts and death counts include both confirmed and **probable** cases and deaths." From that time the number of so-called COVID-19 deaths in USA has exploded in an alarming manner it would appear. On that day, April 14, New York City's coronavirus death toll was revised with **a major 3,700 fatalities added**, with the provision that the count now included "people who had never tested positive for the virus but were presumed to have it." The CDC now defines confirmed as "confirmatory laboratory evidence for COVID-19," which as we noted elsewhere included tests of dubious precision, but at least tests. Then they **define** "probable" as "with no confirmatory laboratory testing performed for COVID-19." Just a guess of the doctor in charge.

Now leaving aside the major discrepancy between the CDC headline COVID-19 deaths as of May 5 of 68,279 and their detailed total of 39,910 deaths for the same period, we find another problem. Hospitals and doctors are being told to list COVID-19 as cause of death even if, say, a patient age 83 with pre-existing diabetes or cardiac issues or pneumonia dies with or without COVID-19 tests. The CDC advises, "In cases where a definite diagnosis of COVID cannot be made but is suspected or likely (e.g. the circumstances are compelling with a reasonable degree of certainty) it is acceptable to report COVID-19 on

⁴⁸ <http://www.williamengdahl.com/englishNEO11May2020.php>

a death certificate as 'probable' or 'presumed.'" This opens the door ridiculously wide for abuse of coronavirus death numbers in the United States.

A Big Money Incentive

A provision in the **March 2020 Coronavirus Aid, Relief, and Economic Security Act**, known as the CARES Act, gives a major incentive for hospitals in the US, most all of them private for-profit concerns, to deem newly-admitted patients as "presumed COVID-19." By this simple method the hospital then qualifies for a substantially larger payment from the government Medicare insurance, the national insurance for those over 65. The word "presumed" is not scientific, not at all precise but very tempting for hospitals concerned about their income in this crisis.

Dr Summer McGhee, Dean of the School of Health Sciences at the University of New Haven, notes that, "The CARES Act authorized a temporary 20 percent increase in reimbursements from Medicare for COVID-19 patients..." He added that, as a result, "hospitals that get a lot of COVID-19 patients also get extra money from the government."

Then, according to a Minnesota medical doctor, Scott Jensen, also a State Senator, if that COVID-19 designated patient is put on a ventilator, even if only presumed to have COVID-19, the hospital can get reimbursed three times the sum from the Medicare. Dr Jensen told a national TV interviewer, "Right now Medicare is determining that if you have a COVID-19 admission to the hospital you get \$13,000. If that COVID-19 patient goes on a ventilator you get \$39,000, [three times as much.](#)" Little wonder that states such as Massachusetts suddenly began backdating cause of death totals back to March 30, significantly inflating COVID death numbers, or that New York Governor Andrew Cuomo began demanding 30,000 ventilators and emergency equipment around the same early April time, equipment that was not [needed](#).

In short, the COVID-19 death statistics in the USA are highly dubious for a variety of reasons, not least huge financial incentives to hospital administrators who had been told to cancel all other operations to make extra room for a predicted flood of coronavirus ill. That rising death toll said to be "COVID-19 or presumed" impacts the decisions to lock down the economy and in effect create an economic pandemic of unparalleled dimension.

Italy COVID deaths?

Not only are USA COVID-19 death numbers open to serious question. If we look closely most major countries have equally dubious data. Until recently one of the highest COVID-19 death rates in the EU was Italy where outbreaks have been concentrated in the Lombardy and adjacent regions of the industrial north. Here again the definition of cause of death has been fuzzy. A report in the Journal of the American Medical Association by a group of Italian doctors who analyzed the alarming high covid-19 figures pointed out that when state medical authorities made detailed case examination of a sample of 355 covid-19 "presumed" deaths, they found that the **mean age was 79.5 years**. "In this sample, 117 patients (30%) had ischemic heart disease, 126 (35.5%) had diabetes, 72 (20.3%) had active cancer, 87 (24.5%) had atrial fibrillation, 24 (6.8%) had dementia, and 34 (9.6%) had a history of stroke. The mean number of **preexisting** diseases was 2.7. Overall, only 3 patients (0.8%) had no [diseases.](#)" That means that of the sample 99.2% had **other** serious illnesses.

In Italy, the persons who tested **positive for COVID-19**, regardless of preexisting serious illness, were listed **as COVID-19 fatalities**. Italy has the EU'S oldest population on average and the worst air pollution in the EU, especially in the Lombardy region. From the first case in early February until 6 May Italy has declared 29,315 COVID-19 deaths. This is more than the total of deaths in 2017 attributed to influenza and/or pneumonia which was reported 25,000.

The reason for the apparent spike should be seriously investigated, but reports of panic among hospital workers over the shutdown declaration by the Conte government, with thousands reportedly fleeing Italy for their home countries in Poland or elsewhere, might have also played a role. On March 31 a report from northern Italy stated, "In recent weeks, most of the Eastern European nurses who worked 24 hours a day, 7 days a week supporting people in need of care in Italy have left the country in a hurry. This is not least because of the panic-mongering and the curfews and border closures threatened by the ['emergency governments.'](#)"

In many countries the picture is one of a predominately mild influenza-like infection with comparable death rates. The lack of uniformly agreed tests and the inaccuracies of many tests used, as well as the extremely doubtful criteria for declaring a cause of death as being "from" COVID-19 suggest that it is well past time to reexamine the unprecedented lockdown measures, social distancing, possible mandatory vaccines of unproven effect, all of which are creating what is becoming the worst economic depression since the 1930's.

F. William Engdahl is strategic risk consultant and lecturer, he holds a degree in politics from Princeton University and is a best-selling author on oil and geopolitics, exclusively for the online magazine ["New Eastern Outlook"](#)

17.2 Spiro Skouras: We Are Being Lied to About Covid-19! Here is How...⁴⁹

By **Vision Launch Media**

-

October 4, 2020

2750

[Tweet on Twitter](#)



Spiro Skouras:

As we approach the one year anniversary of the novel coronavirus outbreak, we find ourselves facing many unanswered questions.

We find ourselves worse off in many ways, in comparison to when the outbreak just began, as we receive signals from public health officials and the media to prepare for another lockdown.

It appears we are approaching what could to be a perfect storm. The US Presidential Elections, flu season, the arrival of the new experimental COVID vaccine and the prophesied 'second wave' of COVID.

The big news of the week of course, has been President Trump and the First Lady have **both tested positive** for COVID. The President has been hospitalized.

President Trump's doctor, said that Trump's diagnosis was confirmed using the PCR test. Just like virtually every other 'confirmed case' we hear reported.

⁴⁹ <https://visionlaunch.com/spiro-skouras-we-are-being-lied-to-about-covid-19-here-is-how/>

But was PCR really developed with the intention of diagnosing infectious diseases? Is PCR capable of diagnosing infectious diseases? **How could a test developed almost 40 years ago be used to diagnose a brand new disease found less than one year ago?**

In this report, we examine this questions in addition to reviewing video clips of multiple doctors weighing in on the subject including the biochemist **Kary Mullis who invented PCR** and won a Nobel Prize in Chemistry for doing so has to say.

Why is understanding the test so important?

Because it is the driving factor in the **fear campaign**, that is being driven by the **corrupt media** and then used by the government to justify the restrictions imposed on our lives.

This is a must-see report that may change the perception of you, or of someone you may know, regarding the crisis.



Links

Coronavirus Testing Suspended at Boston Lab Due to Nearly 400 False Positives <https://www.activistpost.com/2020/09/...>

"Dead" Virus Cells Frequently Trigger "False Positives" In Most Common COVID Test, New Study Finds <https://www.zerohedge.com/geopolitica...>

Tanzania coronavirus kits raise suspicion after goat and pawpaw test positive <https://www.independent.co.uk/news/wo...>

COVID Test Nasal Swab Punctured Woman's Brain Lining and Caused Brain Fluid to Leak from Her Nose <https://www.activistpost.com/2020/10/...>

Michigan Supreme Court: Governor exceeded powers during coronavirus pandemic <https://www.wlms.com/top-stories/mich...>

Federal judge rules Pennsylvania's coronavirus orders are unconstitutional <https://thehill.com/regulation/court-...>

Was the COVID-19 Test Meant to Detect a Virus? <https://uncoverdc.com/2020/04/07/was-...>

Kary Mullis, Inventor of the PCR Technique, Dies <https://www.the-scientist.com/news-op...>

18.0 REJECT ASSISTED DYING BILL – A CHEAPER ALTERNATIVE TO CARE

Bioethics Professor calls on Senate to Reject Assisted Dying Bill

By Dana McCauley⁵⁰

August 12, 2018 — 12.00am

An Australian **medical ethicist** who spent decades observing euthanasia in Canada has called on the Senate to reject a bill that would clear the way for voluntary assisted dying to be legalised across Australia.

Bioethics Professor Margaret Somerville, from the University of Notre Dame's school of medicine, said the international experience demonstrated that euthanasia was being used as a **cheaper alternative** to psychiatric and palliative care.

"It's a **societal tragedy** if we allow this," she said.

Senator Leyonhjelm's bill will be debated this week. *Credit:AAP*

The federal Senate will this week debate a private member's bill brought by Liberal Democratic Party senator David Leyonhjelm, which would enable the **ACT and Northern Territory** to make their **own laws** on voluntary assisted dying.

It comes after two children, aged nine and 11, were last week revealed as the **world's youngest** to be euthanised in Belgium, the only country that allows minors who are terminally ill and in "unbearable suffering" to choose to die.

Victoria last year became the first Australian state to legalise assisted dying, with Premier Daniel Andrews describing the passage of the reform as "a day of compassion".

But Professor Somerville and nine of her international counterparts argue that voluntary **assisted dying** has gone beyond its aims of relieving pain and suffering, and **is being misused**.

In a paper published in the *Journal of Palliative Care*, the academics wrote that euthanasia should **not be legal**, and should **never** be performed by physicians in countries where it is permitted.

"It is not justifiable to allow physician-assisted suicide or euthanasia to grant the wishes of a few with difficult-to-relieve suffering at the **expense of the rights and protections** of others, especially **vulnerable people** who have no voice," the paper said.

"Solutions for suffering lie in improving palliative care and addressing **social causes**, and remedying the reasons patients request assisted suicide or euthanasia."

⁵⁰ <https://www.smh.com.au/politics/federal/bioethics-professor-calls-on-senate-to-reject-assisted-dying-bill-20180811-p4zwxm.html>

Professor Somerville said the assurance by early proponents of euthanasia that it would not lead to a "*slippery slope*" had been proven wrong, with research showing that safeguards were being **routinely violated**.

*"In one study in Belgium, they surveyed doctors and found that **32 per cent had gone outside of the regulations**," she said.*

While originally only available to **consenting** adults, voluntary assisted dying has in some countries been **extended to young children, the mentally ill and even newborn babies**.

In January, a 29-year-old physically healthy Dutch woman with mental illness died after **drinking poison supplied by a doctor** in a medically assisted death.

Professor Somerville said that in **many cases, pain and suffering were not the primary motivator** for an assisted dying request, with a **fear of being a burden** on relatives a more common reason in patient surveys.

And, she argued, in **most cases pain or discomfort could be remedied** through proper palliative care, including treatment for depression, which was a factor for many terminal cancer patients.

Senator Leyonhjelm said palliative care was not in conflict with voluntary assisted dying, but was "not a sufficient alternative".

He pointed to the case of 104-year-old Perth academic David Goodall, who this year travelled to Switzerland to die because he found life at his age was "not enjoyable".

"Ultimately, it **should not be up to the government** to determine whether we can choose to **live or die**," Senator Leyonhjelm said.

"As a **libertarian**, I believe we own our own bodies and have a right to decide for ourselves whether to continue living.

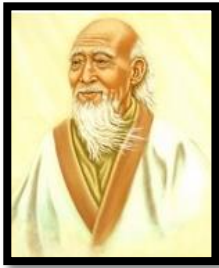
"While **suicide might be regrettable**, it is not illegal. It therefore should not be illegal to receive assistance to die merely because we have become too ill and feeble."

He added that **safeguards were needed** and that **consent was "vital"** and should be independently verified.

The **Northern Territory** became the **first jurisdiction in the world to legalise voluntary euthanasia in 1996**, but the federal government **overrode** the territory law in 1997 through a **bill introduced** by the then Liberal backbencher **Kevin Andrews**.

ACT Chief Minister **Andrew Barr** has written to federal MPs and senators calling on them to support the bill, deeming the current arrangement "fundamentally anti-democratic".

19.0 THE CASE AGAINST FACE MASKS – DR JUDY MIKOVITS



"To know that you do not know is the best. To think you know when you do not is a disease. Recognizing this disease as a disease is to be free of it."

"it is the responsibility of those who know to tell the blind man on a blind horse that he is heading towards the abyss..."

LAO TZU

The e-book by Dr. Judy A. Mikovits and Kent Heckenlively is called "The Case Against Masks". It is an evidence based scientific case to assist in clarifying the truth of how masks are not blocking viral transmission. Dr. Mikovits has had a 20 year career in science, she has been at the top of her field. She has a PhD in biochemistry and molecular biology. Her PhD changed the paradigm of the way HIV AIDS is treated in the United States. Dr. Mikovits has experienced her reputation being tarnished because she chose truth over silence when she recognized harm to human health. For those interested in truth over fear two links are provided to her story. 1) <https://drjudyamikovits.com/> and 2) <https://visionlaunch.com/plandemic-part-2-indoctrination-world-premiere/> Her case against masks is to utilize science and data to help people understand and reduce their great anxiety. At the end of the day it is the public well-being that matters. People are dying which has been the motivation to find the truth.

A few bullet points on why Mandatory Facemasks must end in the public interest. Why restrictions are impacting democracy. Why the majority are safe. Basic hygiene will ensure well-being.

- As Victorians face yet another long period of enforced lockdown, serious concerns are being raised about people's capacity to comply with the new orders and the mental health impacts of such prolonged social isolation. The risks of being dispirited, chronically stressed and socially disconnected are real and substantial. While the behavioural consequences of "lockdown fatigue" are becoming more obvious, the questions to be answered from a mental health perspective are:
 - who is most likely to be harmed by a longer, more stringent lockdown?
 - what are the public policy responses that are most likely to deliver real benefits?
 - Women bare the burden: Victorian women are seeking mental health support at record levels as the coronavirus pandemic drives up stress, anxiety and depression among those bearing the brunt of caring responsibilities.
- Voluntary Assisted Dying (2020): The number of people making inquiries (the first step along the way to assisted dying) was about 400 in this first year — double what had been anticipated.
- "The predicted increase of suicides is 25 per cent each year for the next five years," Professor Ian Hickie, co-director of the Brain and Mind Centre at The University of Sydney, said. "That's 750 extra deaths by suicide a year. It's an enormous number. It will be a massively bigger death toll than COVID."⁵¹
- Eight Australians die every day by suicide. That's more than double the road toll.
- 75% of those who take their own life are male.
- Over 65,000 Australians make a suicide attempt each year.
- In 2018, 3,046 Australians took their own life.
- Suicide is the leading cause of death for Australians between the ages of 15 and 44.
- 1 in 4 Australians are lonely and have no-one to speak to. Lifeline is here to listen.

⁵¹ <https://www.news.com.au/lifestyle/health/health-problems/the-silent-death-toll-of-covid19-revealed-huge-25-per-cent-jump-in-suicides-each-year/news-story/b4154626a16c9cc25c3b79b7880041ef>

The Case Against Masks

By Dr. Judy A. Mikovits and Kent Heckenlively

- **Reason #1 Oxygen is Good for Human Beings Carbon Dioxide is Bad!**
- **Reason #2 How does SARS-COV-2 spread**
- **Reason #3 How effective is a mask**
- **Reason #4 Six Feet Apart and Wearing a Mask**
- **Reason # 5 What about Face Seal leakage and backward Jet**
- **Reason # 6 What is the Actual Risk of Airborne Transmission**
- **Reason #7 What is a Dangerous Situation for the Vulnerable Exposed to SARS-CoV-2 to Develop COVID-19**
- **Reason #8 Can a Mask Become a Virus Trap**
- **Reason #9 The Myth of Asymptomatic Carriers**
- **Reason #10 Children do not need to wear a mask to return to school**

Key notes:

- Soaking up good sunshine and vitamin D
- Outside toddler with mask
- Suddenly the world has become a terrifying place
- Can't make best decisions when scared
- Oxygen in atmosphere 20.9% of air we breathe
- We breathe in and out
- Oxygen makes up 20.9% of OUR atmosphere, high concentration in the blood
- Carbon dioxide 0.04%
- Blood oximeter 95-100%
- If oxygen goes beneath 90%
- Low oxygen can be caused by pneumonia, emphysema, smoking and various heart conditions
- We need oxygen to power chemical and biological reactions
- For continual existence and good health
- Average person get's into trouble if deprived of oxygen for 3 minutes
- Inhalation 21% oxygen, 0.04% carbon dioxide, and 79% nitrogen
- Exhalation 16% oxygen, 4% carbon dioxide, 79% nitrogen
- 100 fold increase in carbon dioxide
- Oxygen deficient atmosphere contains less than 19.5% which can cause death
- Is it a good idea to rebreathe the oxygen breathed back in (mask) 16%
- 42% of us deaths are from 0.6% of the population
- National Institutes of Health warnings about carbon dioxide levels. They say it may be life threatening to inhale.
- Hypercapnia (CO2 toxicity), Headache, Vertigo, Double vision, Inability to concentrate
- Tinnitus (hearing a noise like a ringing or buzzing)
- Seizures, Suffocation
- Face masks make breathing more difficult
- COPD – Chronic Obstructive Pulmonary Disease
- University of London – face masks make breathing more difficult for people with COPD
- Worsen breathlessness
- Worsen burden of COVID-19 infection.
- Enhanced breathing pushes viral load down into the lungs
- COPD - Inflammatory lung problem affects oxygen flow
- Asthma and other respiratory
- Masks do restrict air flow
- Key impede person-to-person transmission is the key to limit outbreak
- Little focus – events after transmission, innate immunity plays a crucial role
- Innate immunity prevent spread and movement of foreign pathogens throughout body
- Depends on viral load
- Face masks humid habitat SARS-COV-2 remain active water vapour provided by breathing in and out captured by mask fabric, increase in viral load, defeat innate immunity
- Immune system is designed to limit spread of pathogens
- Immune system – stressors
- Lack of oxygen lower immune system
- Stress - fearful state, not good personal relations
- Everything done in public arena and media is crippling the immune system
- Covid-19 requires our best thinking to determine best course of action
- Studies not done on how SARS-COV-2 spreads
- WHO and CDC lost credibility
- CDC symptoms of COVID-19 may appear 2 -14 days after exposure
- When first began it was thought it would last 2-3 weeks when lengthened to months, other agendas were at play
- CDC Department of Labour spread person to person - 6 feet
- Respiratory droplets
- Maybe possible to get COVID-19 by touching

Introduction

You know you've seen them. Perhaps you've even been one of them. The people who are so terrified of catching a deadly virus they drive alone in their car with a mask on. Or maybe you go for a walk or run outside, soaking up that good sunshine and vitamin D, but you make sure you put on that mask before you step out your front door. Perhaps while outside you see a young couple pushing a toddler in a stroller and notice the toddler has a mask on in addition to the parents.

It's not my intention to make fun of these people. The information we get is so confusing and contradictory that we collectively shrug and say, "Well, better safe than sorry," and put on a mask before heading out the door. Or maybe you even wear it while inside your house, sitting down to watch television with your family.

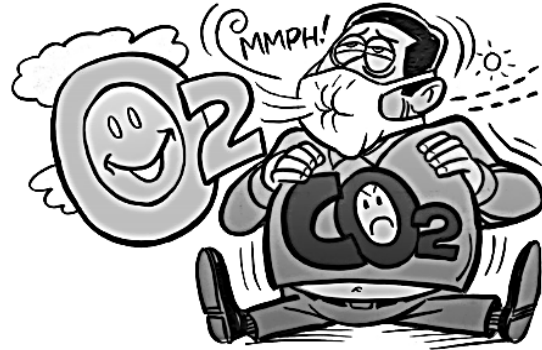
Suddenly, the world has become a very terrifying place.

However, I don't believe you make the best decisions when you're scared. The reasoning part of your brain becomes overwhelmed with fear and takes action that, when later considered, seems illogical. Before you get too far into this book, I want you to make a conscious effort to reduce your fear level. If that means you are sitting alone in your bedroom and wearing a mask as you read, terrified of the viral particles you imagine that may be floating unseen around you, then keep that mask on. I doubt you will be wearing it when you finish this book.

I want you to calmly and rationally look at the evidence and arguments in this book and come to your own conclusions.

Reason #1

Oxygen is Good for Human Beings and Carbon Dioxide is Bad!



It comes as a surprise to most people to learn oxygen is not the most common gas in our atmosphere. That designation belongs to nitrogen, which according to our most accurate measurements, comprises 78.1 percent of the air we breathe.¹ Nitrogen is an extremely stable gas, and while plants use it for nitrogen fixation (a very critical process for life), it does nothing for us. We breathe it in,

and we breathe it out.

By contrast, oxygen makes up only 20.9 percent of our atmosphere and it's where the action is with biological organisms.² Oxygen readily engages in chemical reactions and that's why it's critical for life. Carbon dioxide makes up 0.04 percent of our atmosphere.³ Carbon is also another important element when it comes to creating chemical reactions.

Any science textbook you pick up will tell you that humans need oxygen and give off carbon dioxide as a waste product. If you ever find yourself in a hospital, the nurses may put a blood oximeter on your finger and tell you if your blood oxygen levels are between 95–100 percent you're doing great.⁴ If your levels get below 90 percent they'll probably need to take action. Low oxygen levels can be caused by pneumonia, emphysema, smoking, and various heart conditions.

How is it that, while oxygen only makes up 20.9 percent of our atmosphere, it's found at such high concentrations in our blood? The answer is we're oxygen hogs. We desperately need it to power all the chemical and biological reactions necessary for our continued existence and good health. While the world record for holding your breath under water is eleven minutes and thirty-five seconds, it's generally agreed that the average human being will start having trouble if deprived of oxygen for three minutes.⁵

And what about carbon dioxide? It makes up only 0.04 percent of our atmosphere. How much carbon dioxide is in the breath we exhale?

When inhaling, humans take in approximately 21 percent oxygen, 0.04 percent carbon dioxide and 79 percent nitrogen. On exhalation, humans give off approximately 16 percent oxygen, 4 percent carbon dioxide and 79 percent nitrogen, according to the BBC; only the amount of nitrogen remains constant in the exchange.⁶

In the process of respiration, humans strip out 5 percent of the oxygen from the air, but we cause a hundredfold increase in the amount of carbon dioxide, from 0.04 percent to 4 percent.

OSHA regulations state, "An oxygen deficient atmosphere is an atmosphere that contains less than 19.5 [percent] oxygen, which can cause death."⁷ When it's

coming out of your mouth, the oxygen level is at 16 percent. Is it a good idea to rebreathe the air you've already exhaled, as inevitably happens in even a cloth mask? It's got lower amounts of oxygen and approximately a hundred times the amount of carbon dioxide.

At what level does carbon dioxide start to become a problem? According to Claire Gillespie, writing at *Health.com*, "It is dangerous in an atmosphere when it is greater than 10[percent]."⁸ The level of carbon dioxide in your breath is already 4 percent. How easy is it for the concentration of carbon dioxide in that mask to rise? Gillespie also writes, "When it comes to face masks, we know they're not all made equally. The extent to which a mask could affect CO₂ levels depends on what it's made of, and how tightly it fits."⁹

But isn't the purpose of the mask to control air flow? Isn't that what we're told by people who are supposed to know? Don't we have the innate sense that in order to be effective, the mask must fit tightly, or else what protection does it provide?

In her article, Gillespie references the National Institutes of Health and their warnings about carbon dioxide levels:

They say that inhaling high levels of carbon dioxide (CO₂) may be life-threatening. Hypercapnia (carbon dioxide toxicity) can also cause headache, vertigo, double-vision, an inability to concentrate, tinnitus (hearing a noise, like a ringing or buzzing, that's not caused by an outside source), seizures, or suffocation due to displacement of air.¹⁰

There can be life-threatening problems caused by high carbon dioxide levels, but also lower level problems like headaches and vertigo. And this doesn't consider how low oxygen and high carbon dioxide levels can impact other biological processes in the body.

These considerations were detailed in a long letter from four researchers from University College London and published in the *British Medical Journal* in April 2020. Two of their concerns are relevant to our discussion:

Face masks make breathing more difficult. For people with COPD, face

dioxide levels, but also lower level problems like headaches and vertigo. And this doesn't consider how low oxygen and high carbon dioxide levels can impact other biological processes in the body.

These considerations were detailed in a long letter from four researchers from University College London and published in the *British Medical Journal* in April 2020. Two of their concerns are relevant to our discussion:

Face masks make breathing more difficult. For people with COPD, face masks are in fact intolerable to wear as they worsen their breathlessness. Moreover, a fraction of carbon dioxide previously exhaled is inhaled at each respiratory cycle. Those two phenomena increase breathing frequency and deepness, and hence they may increase the amount of inhaled and exhaled air. This may worsen the burden of [COVID]-19 if infected people wearing masks spread more contaminated air. This may also worsen the clinical condition of infected people if the enhanced breathing pushes the viral load down into their lungs.²¹

What about people who suffer from COPD (Chronic Obstructive Pulmonary Disease), which is an inflammatory lung condition that affects oxygen flow? What about those who suffer from asthma and other respiratory conditions? Perhaps for most of us a relatively short time of wearing a mask will not cause serious complications. But is that the strategy we want to use if we're trying to maximize our immune function? I'd argue that it is not.

One part of the mask equation is they *do* restrict air flow, and that can never be a result if we want to maintain optimum immune function. But there are other factors which must be considered and may be even more important than restricting air flow:

While impeding person-to-person transmission is key to limiting the outbreak, so far little importance has been given to the events taking place after a transmission has happened, when innate immunity plays a crucial role. The main purpose of the innate immune system response is to immediately prevent the spread and movement of foreign pathogens throughout the body.

The innate immunity's efficacy is highly dependent on the viral load. If face masks determine a humid habitat where the SARS-CoV-2 can remain active due to the water vapor continuously provided by breathing and captured by the mask fabric, they determine an increase in viral load and therefore they can cause a defeat of the innate immunity and an increase in infections.²²

Our immune system is designed to limit the spread of pathogens to which we are exposed. One of the main factors in how well our immune system works is what kind of stressors are happening to us. Lack of oxygen can lower the functioning of the immune system. So can stress. If we are in a fearful state, and do not have good personal relations with other people, it negatively affects the functioning of our immune system. It's difficult to escape the conclusion that everything that's being done in the public arena and by our media outlets is crippling the proper working of our immune system.

In the conclusion of their letter to the *British Medical Journal* the authors wrote:

[W]e believe that the context of the current [COVID]-19 pandemic is very different from that of the "parachutes for jumping out of airplanes," in which the dynamics of harm and prevention are easy to

define and even to quantify without the need of research studies. It is necessary to quantify the complex interactions that may well be operating between positive and negative effects of wearing surgical masks at population level. It is not time to act without evidence.²³

The COVID-19 pandemic requires our very best thinking, free of fear and anger. Well-intentioned people can make terrible mistakes. We need to take the emotion out of our analysis and use the available evidence and logical thinking to determine the best course of action.

Reason #2

How Does SARS-CoV-2 Spread?



What do we know about how the SARS-CoV-2 virus spreads? Like many questions asked in this book, we may not find a definitive answer. The studies have simply not been done in this early stage of knowledge of a novel virus. But we have some trends which seem to point us in the right direction. While I believe most public health organizations, the World Health Organization (WHO), and the Centers for Disease Control (CDC) have lost significant credibility during this outbreak, I still think it's worthwhile to start with their

reporting. We may later find evidence that disagrees with these findings, but let's start with them first.

As detailed in *Guidance on Preparing Workplaces for COVID-19*, produced by the US Department of Labor, Occupational Safety, and Health Administration, "According to the CDC, symptoms of COVID-19 may appear in as few as [two] days or as long as [fourteen] days after exposure."²⁴ When the lockdown of 2020 first began, it was assumed it would last maybe two or three weeks, so that the curve of the epidemic could be "flattened." As those few weeks lengthened into months, many suspected other agendas were in play. One of the attractive aspects of science is its ability to predict what will happen, given a certain scenario, such as when baking soda and vinegar are mixed together, gas bubbles will be created. It may be in matters of public health that predictions are of limited use, but many feel such shortcomings should have been explained much earlier. In quoting the CDC, the document from the Department of Labor explains:

The virus is thought to spread mainly from person to person, including:

- Between people who are in close contact with one another (within [six] feet).
- Through respiratory droplets produced when an infected person coughs or sneezes. These droplets can land in the mouths or noses of people who are nearby or possibly be inhaled into the lungs.

It may be possible that a person can get COVID-19 by touching a surface or object that has SARS-CoV-2 on it and then touching their own mouth, nose, or possibly their eyes, but this is not thought to be the primary way the virus spreads.

People are thought to be most contagious when they are

most symptomatic (i.e., experiencing fever, cough, and/or shortness of breath). Some spread might be possible before people show symptoms; there have been reports of this type of asymptomatic transmission with this new coronavirus, but this is also not thought to be the main way the virus spreads.²⁵

The evidence is strong that the virus can spread between people who are in close contact with each other when an infected person coughs or sneezes. Pretty clear, right? Stay away from an infected person. I'll go one step further. Quarantine them. Fourteen days. Fifteen days if you want to be safe. Let the rest of us live our lives and go to work, school, and church.

What's less clear is whether you can be infected by SARS-CoV-2 which contaminated a surface. There was a flurry of discussion in May 2020 on the question of how long SARS-CoV-2 might live on a surface. However, the question is not how long it might live on a surface. The question is how infectious that virus from a surface might be. Remember, the amount of virus to which a person is exposed is also critical. One allied soldier on D-Day couldn't liberate Europe, but a half million might be a good start. It's the same with viral load. This was from a *USA Today* article in late May 2020:

Two major findings published within weeks of each other were crucial in shaping what we thought we knew about coronavirus on surfaces.

A study published in the *New England Journal of Medicine* found that viable coronavirus could live on some surfaces, such as plastic and stainless steel, for three days, while surviving for up to [twenty-four] hours on cardboard.

Two weeks after the finding, a CDC report said that genetic material from coronavirus was found on surfaces in the *Diamond Princess* cruise ship [seventeen] days after passengers left their cabins.

Neither of these studies confirmed whether coronavirus spread easily on surfaces. In fact, Joseph Vinetz, a professor of medicine at Yale and infectious disease researcher, said in March that the CDC report "has zero relevance to the ongoing epidemic."²⁶

Let's review what we think we know. SARS-CoV-2 viral particles can survive for about a day on cardboard and up to three days on plastic and stainless steel. Why did it survive longer on the *Diamond Princess*? I'm guessing those were areas of the ship that were closed off after the passengers left, remaining warm and humid.

But what were those viral particles not doing while they were on those surfaces? They weren't replicating because there was no organism to host them. That is, the viral particles were becoming weaker. It's important to remember that genetic material is not infectious virus. Nor can it be reconstituted to produce infectious virus if it has been in dry air or on a dry surface for more than a few minutes. Yes, you can find it, but it has essentially been disabled.

Further on in the article, another professor from Yale notes, "the process of a person getting infected with COVID-19 by touching a surface requires 'the outer shell of the virus' to remain intact, which remains difficult with proper hand washing and surface cleaning."²⁷

From the evidence, it appears the only way you're going to get infected with SARS-CoV-2 (remember, COVID-19 is the disease purportedly caused by SARS-CoV-2) is from somebody who is infected and sick, and they breathe, sneeze, or cough on you. If they aren't sick, you can enjoy all the normal interactions with

that person.

My experience comes from interactions with people infected with a much more dangerous and stable RNA virus: HIV. In the twenty-plus years I worked with HIV, I never became infected, and never isolated infectious and transmissible HIV from saliva of *anyone* who wasn't very sick with AIDS (Acquired Immune Deficiency Syndrome). I interacted with them daily from the earliest days of the epidemic when the medical community had no idea what was causing AIDS (then known as Gay Related Immune Disease, GRID), and I was completely safe.

Reason #3

How Effective is a Mask?



Let's talk about the different types of masks and their effectiveness. Because not all masks are the same and each have their own strengths and weaknesses. The Mayo Clinic put together a short article on this issue.

N95 Masks—It's probably something of a misnomer to call an N95 a mask, when it should more properly be called a respirator, and it's designed to filter

out small and large particles. The article says "the mask is designed to block 95 [percent] of very small particles. How small? Micron-sized particles. Viruses are [a thousand] times smaller ... Some N95 masks have valves that make them easier to breathe through. With this type of mask, unfiltered air is released when the wearer exhales."²⁸ The article details, though, how health care providers have to be trained on how to properly fit the mask to their face and create a proper seal. That provides a certain level of protection, for a time.

However, the N95 masks have additional problems, especially those with a one way-valve, because human beings need to breathe in oxygen and exhale carbon dioxide. "But," the Mayo Clinic continues, "because the valve releases unfiltered air when the wearer breathes out, this type of mask doesn't prevent the wearer from spreading the virus. For this reason, some places have banned them."²⁹ Yes, you read that correctly. The Mayo Clinic tells you that "some places have banned" N95 respirators. Did you read that in any news accounts? I'm guessing the answer is no.

Surgical masks—These are also called medical masks and are described by the Mayo Clinic as "a loose-fitting disposable mask that protects the wearer's nose and mouth from contact with droplets, splashes and sprays that may contain germs. A surgical mask also filters out large particles in the air. Surgical masks may protect others by reducing exposure to the saliva and respiratory secretions of the mask wearer."³⁰ I always like to read medical information closely because I'm very pro-science.

Sure, a mask can protect from respiratory droplets. But does it protect from viruses contained in those droplets that are on the mask if the pore size of the mask is a thousand times larger than the virus? Now, instead of protecting, the mask could be increasing risk by concentrating and allowing SARS-CoV-2 and other viruses to remain infectious and transmissible for hours on that mask. What if you wear that mask for a few hours, it's a little damp from your breath,

and then you take it off and put in your pocket? That virus now has a nice, warm, and moist environment in which to thrive. Let's just say that the mask does reduce viral transmission and provide some protection from exposure. How much? And what are the other risks?

This is the Mayo Clinic providing this information. I want some data. Why is there no information on how much surgical masks can reduce "exposure to the saliva and respiratory secretions of the mask wearer?" I can have a general feeling this assertion is true, but why is no data offered from which I might draw a conclusion as to the risk/benefit analysis for the wearer? Medical personnel are wearing surgical masks every day in thousands of facilities. How difficult would it be to test this hypothesis? My guess is it would be very simple.

And how does one feel when the Mayo Clinic can't or doesn't choose to provide us with this information?

Cloth masks—The Mayo Clinic article on cloth masks starts out with the general proposition that cloth masks are widely available and can be washed and reused. I think that's an accurate description of reality. They say, "Asking everyone to wear cloth masks can help reduce the spread of the coronavirus by people who have COVID-19, but don't realize it. And countries that required face masks, testing, isolation, and social distancing early in the pandemic seem to have had some success in slowing the spread of the virus."³¹

Let's take apart those few sentences. How can one not realize when one is sick with flu-like symptoms and coughing and sneezing? We are told that countries which implemented "face masks, testing, isolation, and social distancing early in the pandemic seem to have had some success in slowing the spread of the virus." Where is the data to back up this statement? This is what's called anecdotal evidence. It's nothing more than storytelling without evidence to support the claims.

The danger is aptly stated as "people who have COVID-19, but don't realize

it." Recall that the incubation period is from two to fourteen days. (Again, we are given little if any data to support this claim for this novel coronavirus, SARS-CoV-2.) One of the guiding principles of science is you test one variable at a time. If you want to find out the effect of sunlight on plant growth, you have one group of plants that receive a normal amount of sunlight and another group that receives no sunlight. Everything else is kept the same—type of soil, temperature, type of plant, and water, to name just a few. The Mayo Clinic lumps four variables together: "face masks, testing, isolation, and social distancing."

We don't know the individual contribution of each factor and we should.

Scientific Research

It's challenging to find high-quality science to answer many questions about masks and I understand why in the absence of good information many might simply say, "better safe than sorry." However, are masks providing benefit or is the wearer at more risk? I still think it's useful to review the limited information we do have.

A 2013 study in the *American Journal of Infection Control* followed ten nurses wearing either an N95 mask or an N95 mask with a surgical mask overlay. In their results section they reported:

Most nurses (90 [percent], n = 9) tolerated wearing respiratory protection for two [twelve]-hour shifts. CO₂ levels increased significantly with baseline measures, especially when comparing an N95 with a surgical mask to only an N95, but changes were not clinically relevant. Perceived exertion; perceived shortness of air; and complaints of headache, lightheadedness, and difficulty communicating also increased over time. Almost one-quarter (22 [percent]) of respirator removals were due to reported discomfort. N95

adjustments increased over time, but other compliance measures did not vary by time. Compliance increased only on day [two], except for adjustments, touching under the N95, and eye touches.²¹

As expected, carbon dioxide levels rose in the nurses from wearing a mask. Nurses complained of shortness of breath, headaches, and lightheadedness. Because of the use of masks, nurses were often touching under the mask (where pathogens would likely be collecting), then often touching their eyes, leading to a reinfection by a pathogen through the eyes. All in all, the article doesn't paint a positive picture of long-term usage of what is generally considered to be the most effective face mask.

A study published in the *Journal of Occupational and Environmental Medicine* in 2018 compared nine different types of face masks commonly used in Beijing, China to see how effectively they filtered out pollution particles:

Results: The mean percent penetration for each mask material ranged from 0.26 [percent] to 29 [percent] depending on the flow rate and mask material. In the volunteer tests, the average total inward leakage (TIL) of BC ranged from 3 [percent] to 68 [percent] in the sedentary tests and from 7 [percent] to 66 [percent] in the active tests. Only one mask showed an average TIL of less than 10 [percent] under both test conditions.

Conclusions: Many commercially available masks may not provide adequate protection, primarily due to poor facial fit. Our results indicate that further attention should be given to mask design and providing evidence-based guidance to consumers.²²

Problems abounded with these commercially available masks, ranging from the number of particles that would make it through the

material to the amount of air that would escape, depending on whether a person was sedentary or active.

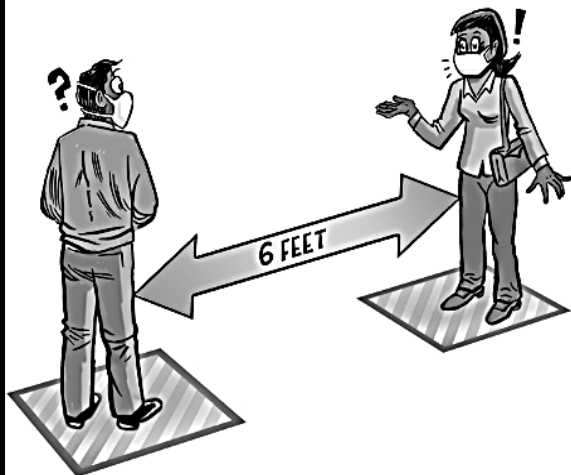
How effective are masks? There seems to be a simple dichotomy.

The more effective a mask is at blocking normal air flow, the greater the problem with decreased oxygen and increased carbon dioxide a person is likely to have.

The less effective a mask is at blocking normal airflow, the less a case can be made for using it. And we haven't really dealt with what seems to be the main way that the virus spreads, through coughing and sneezing, which spread respiratory droplets.

Reason #4

Six Feet Apart and Wearing a Mask?



Let's review what we've learned so far. It seems transmission of SARS-CoV-2 is most likely to occur when an infected individual coughs or sneezes on another person. We also understand symptoms may appear within two to fourteen days after exposure. While SARS-CoV-2 particles may live on surfaces for a time, the viral load is likely to be low, and if you touch it after having washed your hands, the chemicals from the soap on your hand will start to break the virus apart. We also understand masks don't really filter as well as you might think because humans need to breathe in oxygen and expel carbon dioxide.

Let's take the worst-case scenario. You're out in public and near somebody who has recently been exposed but has not yet developed symptoms. However, if they haven't yet developed symptoms, they're not likely to be coughing, hacking, or sneezing. But let's say you find yourself next to such a person. What should you do? In that situation, social distancing of three to six feet makes sense. But if you are keeping such social distancing, why do you need a mask? You're already protected. Exposed individuals don't breathe coronaviruses on others. Sick people may cough coronaviruses on others.

In an article for *The Lancet*, published on March 20, 2020, the authors reviewed the conflicting advice given by different countries and organizations regarding face mask usage. For example, in Japan the authors found, "The effectiveness of wearing a face mask to protect yourself from contracting viruses is thought to be limited. If you wear a face mask in confined, badly ventilated spaces, it might help avoid catching droplets emitted from others but if you are in an open-air environment, the use of face masks is not very efficient."²⁴

In Hong Kong, the recommendation was, "Surgical masks can prevent transmission of respiratory viruses from people who are ill. It is essential for people who are symptomatic (even if they have mild symptoms) to wear a

surgical mask. Wear a surgical mask when taking public transport or staying in crowded places. It is important to wear a mask properly and practice good hand hygiene before wearing and after removing a mask.²⁰

In Singapore, it was, "Wear a mask if you have respiratory symptoms, such as a cough or runny nose."²¹

In Germany, the public was told, "There is not enough evidence to prove that wearing a surgical mask significantly reduces a healthy person's risk of becoming infected while wearing it. According to WHO, wearing a mask in situations where it is not recommended to do so can create a false sense of security because it might lead to neglecting fundamental hygiene measures, such as proper hand hygiene."²²

In the United Kingdom, the recommendation was, "Face masks play a very important role in places such as hospitals, but there is very little evidence of widespread benefit for members of the public."²³

In the United States, as of March 20, 2020, our lovely citizens were told, "Centers for Disease Control and Prevention does not recommend that people who are well wear a face mask (including respirators) to protect themselves from respiratory diseases, including COVID-19. US Surgeon General urged people on Twitter to stop buying face masks."²⁴

Let's talk about what has not taken place since March 20, 2020, when *The Lancet* article was published. Nobody has done any large-scale trials, crunched the data, and shown that masks are effective in preventing the spread of COVID-19. The *Lancet* article observes:

Evidence that face masks can provide effective protection against respiratory infections in the community is scarce, as acknowledged in recommendations from the UK and Germany. However, face masks are widely used by medical workers as part of droplet precautions when caring for respiratory infections. It would be reasonable to

suggest vulnerable individuals avoid crowded areas and use surgical face masks rationally when exposed to high-risk areas.²⁵

The best-case scenario is that evidence that masks work is scarce. Common sense would seem to suggest that a strong case can be made for the use of masks to avoid respiratory droplets from individuals with respiratory infections. If you are displaying even mild symptoms, or worry that you might have been exposed, it's probably a good idea to avoid contact with other people. If you are not sick, but going into a high-risk area, like hospitals, nursing homes, or a crowded store, the temporary use of a mask in those situations could be a reasonable response.

In an article by *Wired* magazine from April 4, 2020, this scientific double-standard on masks was addressed, looking at two studies on whether masking helped prevent influenza spread. This could likely be a useful stand-in for COVID-19.

Take, for example a large randomized trial of mask use among US college students in the 2006-2007 influenza season. The reduction in illness among those wearing face masks in that study was not statistically significant. But because the research was carried out during what turned out to be a mild season for the flu, the trial lacked statistical power for that question; there weren't enough sick people for researchers to figure out whether wearing masks improved on hand hygiene alone. They also couldn't rule out the possibility that students were already infected before the trial began.²⁶

Some of the limitations cited by the author are no doubt relevant. But how exactly does a "mild" flu season mean the entire study is worthless? And they couldn't really compare the effectiveness of

handwashing versus mask wearing? And finally, they didn't know how many of the students had the flu before they began? Maybe all these factors were relevant, or at least suggest more research is needed before conclusions are drawn, which could be harmful to the most vulnerable in our society.

A study from Australia was even more confusing and leaves a reader wondering about the bias of the researchers:

Or take another study of the same influenza season, this time in Australia, which found no definitive effect. That one looked at adults living with children who had influenza. Less than half the people randomized into the group of mask wearers reported using them "most or all of the time." In fact, they were often sleeping next to their sick children without them. This bears little resemblance to the question of whether you should wear a mask among strangers at the grocery store in the midst of a pandemic.²⁷

It seems to me the results of the experiment, although unintentional, gave two remarkable data sets. The parents who didn't wear the masks often and slept with their children, and those who didn't. Shouldn't that give a strong signal if there was a difference in infection rates of the parents attributable to mask usage?

In addition, the viral load you receive from a sick child with whom one is living in close contact will be much higher than somebody you pass in a supermarket. If there was no effect among family members who live together, why would one expect there would be a greater effect among people who pass each other in public?

The author was arguing in a way which was the exact opposite of logic.

I need to make an additional observation. *Wired* magazine, out of Silicon

Valley, has the kind of respect that *TIME* and *Newsweek* enjoyed in a previous generation. Many of today's hottest and smartest young writers contribute articles to the magazine. That's why I was surprised by the argument made by the author that many of our infection precautions are not backed up by good science, but we should follow them anyway.

It's true that health care workers or other people looking after people sick with [COVID]-19 are exposed to far higher levels of coronavirus than anyone else. In the context of a mask shortage, they obviously have priority claim to access. But that's not to say there isn't support for the use of masks by everyone else. After all, there aren't any clinical trials proving that a [six]-foot social distance prevents infection, as far as we know. (The World Health Organization only recommends a [three]-foot separation.) Nor do clinical trials prove that washing our hands for [twenty] seconds is superior to doing it for [ten] seconds when it comes to limiting the spread of disease in a respiratory disease pandemic.²⁸

What's happening to rational thought? I start off agreeing with the initial statement that health care workers are likely to be exposed to high levels of the SARS-CoV-2 virus from infected people, with whom they are in close and sustained contact. But taking that to the public at large is an enormous leap, especially when one considers the low oxygen and high carbon dioxide levels people will be breathing from their mask. Just because we may want a certain outcome doesn't mean we can rewrite the basic laws of biology.

And that six-foot social distancing rule?

No clinical trials.

The World Health Organization only recommends three feet, even with Ebola

when it was discovered in 2014 that some virulent strains could be transmitted by coughing, since Ebola transmits via water droplets, just like SARS-CoV-2.

Feeling confident about the recommendations of your public health officials now?

We don't even know whether it's better to wash your hands for ten or twenty seconds if you're trying to stop a viral outbreak.

The author of the *Wired* article makes an excellent point about how dubious the evidence is for many medical practices, but then seems to ask the question, "If all of our advice isn't really supported by evidence, why are you getting hung up on our advice about masks?" If they want us to follow a certain procedure, and they're telling us it's because that's what the science says, they should at least have the evidence to back it up.

Reason #5

What About Face Seal Leakage and the Backward Jet?



Let's consider the engineering problem with face masks. The intent is to block the flow of air and respiratory droplets from a sneeze or cough from landing on another person or being inhaled. But the force of that sneeze or cough isn't stopped, it's simply redirected.

That's basic physics.

Yet it must go somewhere.

Like so much of the scientific data about mask usage, there isn't a great deal of good information on this question. However, the research that has been done reveals what might be expected, namely that masks redirect the force of air and respiratory droplets in unexpected ways.

A twelve-thousand-word article on this question by Scottish researchers was submitted to arXiv, an online digital archive of electronic preprints of scientific papers, on May 19, 2020. The authors wrote:

The SARS-CoV-2 virus is primarily transmitted through virus-laden fluid particles ejected from the mouth of infected people. In some countries, the public has been asked to use face covers to mitigate the risk of virus transmission—yet, their outward effectiveness is not ascertained. We used a Background Oriented Schlieren technique to investigate the air flow ejected by a person while quietly and heavily breathing, while coughing, and with different face covers.

We found that all face covers without an outlet valve reduce the front flow through jet by more than 90 percent. For the FFP1 and FFP2 masks without exhalation valve, the front through flow does not extend beyond one half and one quarter of a meter, respectively.

Surgical and hand-made masks, and face shields, generate several leakage jets, including intense backward and downward jets that may present major hazards. We also simulated an aerosol generating procedure (extubation) and we showed that this is a major hazard for clinicians. These results can aid policy makers to make informed decisions

and PPE developers to improve their product effectiveness by design.²³

Let's review some of the important findings of this research. The scientists wanted to investigate what happened to the air flow while people were breathing in a normal manner, while breathing heavily, and while coughing. They found that the masks generally decreased the forward flow of air by 90 percent. I think we can all agree that's a relevant finding and gives us information we didn't have before.

However, the blocking of the forward force of exhaled air means it's being redirected to the sides, down the front of a person, and presumably upwards, which is why many people are finding that their glasses get easily fogged while wearing a mask. These hazards are not fully understood. God designed us to rid ourselves of pathogens as much as possible, but our use of masks is adding an unforeseen obstacle to that design.

It's easy to imagine the redirecting of this exhaled air might be creating viral "hot zones" on a person's face, centered around the eyes, cheeks, and chin underneath the mask. Dr. Russell Blaylock, a well-known writer on medical issues, made these observations in April 2020 on the heightened risks of face masks:

There is another danger to wearing these masks on a daily basis, especially if worn for several hours. When a person is infected with a respiratory virus, they will expel some of the virus with each breath. If they are wearing a mask, especially an N95 mask or other tightly fitting mask, they will be constantly rebreathing the viruses, raising the concentration of the virus in the lungs and nasal passages. We know that people who have the worst reactions to the coronavirus have the highest concentrations of the virus early on. And this leads to the

deadly cytokine storm in a selected number.²⁴

So, you really have two choices. One can have a poorly fitting mask which means little protection is being provided the public by the mask doing any filtering of your exhaled air. A tightly fitting mask means you will be rebreathing any virus you do have, increasing the concentration in your nasal passages or your lungs. If your face mask is loosely fitting, you're likely creating viral hot zones on your face. Blaylock continues:

It gets even more frightening. Newer evidence suggests that in some cases the virus can enter the brain. In most instances it enters the brain by way of the olfactory nerves (smell nerves), which connect directly with the area of the brain dealing with recent memory and memory consolidation. By wearing a mask, the exhaled viruses will not be able to escape and will concentrate in the nasal passages, enter the olfactory nerves and travel to the brain.²⁵

God designed us to be as healthy as possible in our natural environment. When exhaling viruses, they would generally be exposed to sunlight or would land on surfaces which were not conducive to their continued existence. Besides concentrating viruses on masks, which we would then touch and handle, raising the level of viruses on our hands, we are also concentrating them on our faces, where they might easily be re-inhaled.

If we understand the greatest danger is from respiratory droplets generated by coughs or sneezes, we should want to know how well masks work when the level of force generated by a cough or sneeze is applied to the material. There may also be unique properties associated with this virus, specifically the size of the viral particle. A letter from South Korean researchers on this question which

was published in April 2020 in the *Annals of Internal Medicine* was not reassuring. This is from a *Medpage Today* article on the findings:

A small study from South Korea cast doubt on the ability of surgical or cotton face masks to effectively prevent dissemination of COVID-19 coronavirus from the coughs of infected patients.

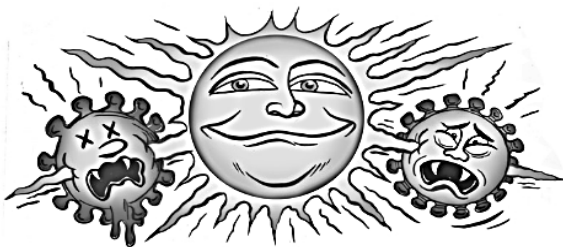
Median viral loads did not differ significantly when comparing coughing samples of COVID-19 patients without a mask, with a surgical mask, and with a cloth mask, suggesting these masks were ineffective at filtering SARS-CoV-2, the virus that causes COVID-19, reported Sung-Han Kim, MD, of University of Ulsan College of Medicine in Seoul, South Korea, and colleagues.

In a letter published in *Annals of Internal Medicine*, they cited the size of viral particles as a possible reason for masks' poor ability to filter the virus, despite their effectiveness against other respiratory infections. In particular, prior studies found surgical masks, as well as N95 respirators (which were not tested in the current analysis), help prevent dissemination of influenza virus.²⁶

It's understood that in novel situations, such as a new virus, there won't be many studies available, and one will need to look at evidence from similar situations. Masks may provide some protection against influenza, but the size of this virus may make even the comparison to influenza viruses a faulty one.

Reason #6

What is the Actual Risk of Airborne Transmission?



What do we really know about the risk of airborne transmission (not somebody sick who is sneezing or coughing) when you are out and about in your daily life? This might be a classic example of the Sherlock Holmes story in which the biggest clue is the dog that doesn't bark. In other words, let's look at examples of what we do know about the spread of SARS-CoV-2.

One commentator, Jeremy Hammond, a well-known independent journalist,

activist, and computer hacker, has written extensively about masks and the conditions under which SARS-CoV-2 can spread, specifically the so-called "super-spreader" events. These unique "super-spreader" events have been used to justify a draconian imposition of universal face-masking.

For example, in March, [fifty-three] members of a 122-member choir in Washington state were confirmed or presumed to have developed COVID-19 after attending a choir practice. A CDC investigation concluded that transmission occurred through aerosolized viral particles. Dose and duration of exposure is a risk factor for more serious illness, and increased volume increases the amount of aerosols, so an infected person singing or talking loudly in face-to-face contact with others runs the risk of spreading the virus to them.

The spread of the virus by such means requires "unique activities and circumstances"—like 122 choir members standing in line shoulder-to-shoulder and singing loudly together for a long time. The CDC drew the conclusion that people in the community setting should maintain six feet of separation and wear cloth coverings if social distancing cannot be maintained . . .

Most super-spreader events have occurred indoors, and all have involved groups of people in prolonged close contact with each other.²⁷

I have a couple of comments on what is alleged to have happened. Were the people singing in the choir sick and coughing while they were singing? Did the choir members develop COVID-19? Or were

they simply demonstrated positive by a test that claimed they'd become infected with SARS-CoV-2? I do not think the accuracy of these tests has been adequately demonstrated at this point. Also, evidence seems to be developing that less than 1 percent of those infected with SARS-CoV-2 will go on to develop symptoms. Much remains to be explained.

But let's assume for a moment that everything as reported is accurate. There is a unique situation posed by more than a hundred people getting together and singing for several hours in a choir. Picture in your mind a typical choir, people standing shoulder-to-shoulder together and singing at a high volume. In that type of situation, different than normal speaking, it is reasonable to believe the virus could spread. For the time being, maybe all choir practices should be suspended. I think that's a rational response to the data.

These questions can be difficult to untangle and were highlighted by an article in *Science*, which posed the question, "Why Do Some Covid-19 Patients Infect Many Others, Whereas Most Don't Spread the Virus at All?" Most importantly, it is absolutely the wrong question to ask if 99 percent of those infected with SARS-CoV-2 are not patients with COVID-19, but healthy people! The most important thing every young scientist learns is to ask the right questions.

Nevertheless, Dr. J. O. Lloyd-Smith, a professor at the University of California, Berkeley, and expert on the role of super-spreaders, explained it this way in the article:

Most of the discussion around the spread of SARS-CoV-2 has concentrated on the average number of new infections caused by each patient. Without social distancing, this reproduction number (R) is about three. But in real life, some people infect many others and others don't spread the disease at all. In fact, the latter is the norm, Lloyd-Smith says: "The consistent pattern is that the most common number

is zero. Most people do not transmit."²⁰

This is a trusted source saying that most people who have been exposed or infected do not transmit the virus at all. Yes, we need to be concerned about stopping further transmissions of the virus to those most vulnerable of getting COVID-19 from the SARS-CoV-2 infection, so we should use the best available data to achieve that goal.

The *Science* article continued probing the question of what factors go into whether a person is spreading the virus.

Individual patients' characteristics play a role as well. Some people shed far more virus, and for a longer period of time, than others, perhaps because of differences in their immune system or the distribution of virus receptors in the body. A 2019 study of healthy people showed some breathe out more particles than others when they talk. (The volume at which they spoke explained some of the variation.) Singing may release more virus than speaking, which could help explain the choir outbreaks. People's behavior also plays a role. Having many social contacts or not washing your hands makes you more likely to pass on the virus.²¹

This section of the article reinforces many of the main points of this book. Healthy people are not "patients." The immune system of the person is an important factor in the spread of the virus. What things do we know that can improve the functioning of the immune system? Keeping your stress low, getting enough sleep, having good and enjoyable social interactions, getting exercise, eating healthy food, and getting enough of that good vitamin D from sunlight. There's likely to be many genetic and epigenetic (environmental) factors, as

well. If you're a loud talker, maybe you want to lower that a bit. Since we know that the presence of soap residue on your hands is likely to break down the virus, hand washing seems to be an important factor.

One of the experts consulted for the *Science* article was Dr. Gwenan Knight of the London School of Hygiene and Tropical Medicine:

Some situations may be particularly risky. Meatpacking plants are likely vulnerable because many people work closely together in spaces where low temperature helps the virus survive. But it may also be relevant that they tend to be loud places, Knight says. The report about the choir in Washington made her realize that one thing links numerous clusters: They happened in places where people shout or sing. And although Zumba classes have been connected to outbreaks, Pilates classes, which are not as intense, have not, Knight notes. "Maybe slow, gentle breathing is not a risk factor, but heavy, deep, or rapid breathing and shouting is."²²

The question of temperature and sunlight has rarely come up in public discussions of this virus, but this may account for the general observation that viral outbreaks tend to fade in the warm summer months. However, in late April 2020, a senior official with Homeland Security directly addressed these questions.

William Bryan, science and technology advisor to the Department of Homeland Security secretary, told reporters at the White House that government scientists had found ultraviolet rays had a potential impact on the pathogen, offering hope that its spread may ease over the summer . . .

It showed that the virus's half-life—the time taken for it to

reduce to half its amount—was [eighteen] hours when the temperature was 70–75 degrees Fahrenheit (21–24 degrees Celsius) with 20 percent humidity on a non-porous surface . . .

But the half-life dropped to six hours when the humidity rose to 80 percent—and to just two minutes when sunlight was added to the equation.²³

Sunlight under the right conditions can destroy the virus in two minutes. One assumes that a colder temperature, but with sunlight, would take just a little while longer, while a higher temperature would make the process go even faster. Why are we being advised to stay in our houses when the best thing we could do to eradicate the virus would be to go out into the sunlight for a few minutes? In the laboratories where I worked daily with concentrated viral stocks, we decontaminated surfaces continuously by turning on UV lights every night before we left.

Another researcher who was consulted was Dr. Adam Kucharski, also of the London School of Hygiene and Tropical Medicine, who added another factor to the mix.

Timing also plays a role. Emerging evidence suggests COVID-19 patients are most infectious for a short period of time. Entering a high-risk setting in that period may touch off a superspreading event, Kucharski says. Two days later, that person could behave in the same way and you wouldn't see the same outcome.²⁴

There seems to be multiple factors that are critical in the spread of SARS-CoV-2 and the development of COVID-19. Different individuals, if infected, will expel different amounts of virus, likely

due to the loudness of their speaking or singing, their closeness to other individuals, and the time they're together. Cold temperatures are more likely to support the spread of the virus than warm temperatures, if only by increasing the possibility that an infected person will cough or sneeze. Sunlight is a potent killer of this virus. Another factor may be that even if infected there is a relatively brief time in which a person is more infectious. This time period can be enhanced by cold temperatures or lack of exposure to UV light.

Does universal masking make sense when we consider all these factors? Actually, consideration of these factors suggests universal masking increases the risk of spreading the infection.

Reason #7

What is a Dangerous Situation for the Vulnerable Exposed to SARS-CoV-2 to Develop COVID-19?



Let's go to what is without doubt the single greatest catastrophe in the SARS-CoV-2 outbreak: the deaths in nursing homes. *Forbes* magazine, in an article from May 26, 2020, reported it this way:

"The Most Important Coronavirus Statistic: 42 [percent] of U.S. Deaths are from 0.6 [percent] of the Population." One simple fact is that 42 percent might be too low a number.

And 42 [percent] could be an undercount. States like New York exclude from their nursing home death tallies those who die in a hospital, even if they were originally infected in a long-term care facility. Outside of New York, more than half of all deaths from COVID-19 are of residents in long-term care facilities.

Prior to last week, Ohio reported that 41 [percent] of COVID deaths were taking place in long-term care facilities. But updated disclosures last Friday, taking deaths prior to April 15 into account, upped that share to 70 [percent].

In Minnesota, 81 [percent] of all COVID-19 deaths are of nursing home and residential care home residents. The region from the eastern seaboard from Virginia to New Hampshire has been especially hard-hit.⁴

When one looks at data the question must always be asked concerning its reliability. Ohio had reported 41 percent of their deaths were from long-term care facilities, but when they checked the numbers, they jumped to 70 percent. In Minnesota the numbers were even more alarming, with 81 percent of the deaths coming from nursing homes and similar arrangements. If the numbers were thoroughly checked through the country, would we see a similar pattern?

A question which should be asked in those states which sent infected residents back into nursing homes is: Did this action contribute to the death

toll? This is not a political question, it's a scientific one. We need to know the answer to this question, regardless of the political party of the persons who made the decision. The political risk, falling mostly on governors in democratic states, is whether that will lead to a loss in the next election. But that cannot be our concern. We need to know how many senior citizens died because of the bad decisions of politicians. *Forbes* continued:

The tragedy is that it didn't have to be this way. On March 17, as the pandemic was just beginning to accelerate, Stanford epidemiologist John Ioannidis warned that "even some so-called mild or common-cold-type coronaviruses have been known for decades [to] have case fatality rates as high as 8 [percent] when they infect people in nursing homes." Ioannidis was ignored.

Instead, states like New York, New Jersey, and Michigan actually ordered nursing homes to accept patients with active COVID-19 infections who were being discharged from hospitals.

The most charitable interpretation of these orders is that they were designed to ensure that states would not overcrowd their ICUs. But well after hospitalizations peaked, governors like New York's Andrew Cuomo were doubling down on their mandates.⁴

It seems relatively clear from the *Forbes* article that even the common-cold-type coronaviruses (many don't realize that the common cold is a coronavirus) can cause high mortality in nursing homes. Given this prior knowledge, it seems incomprehensible that politicians such as New York Governor Andrew Cuomo would order

nursing homes to accept COVID-19 patients who were being dismissed from hospitals.

If we understand how the numbers are skewed toward the older population in nursing homes, what does that mean for the rest of us?

There is one silver lining—or perhaps bronze lining—to the COVID long-term care tragedy. The fact that nearly half of all COVID-19 deaths have occurred in long-term care facilities means that the 99.4 percent of the country that *doesn't* live in those places is roughly half as likely to die of the disease than we previously thought.

Many European countries have struggled with the same nursing home problems that we have. But based on the mounting evidence that serious illness from COVID-19 is concentrated in the elderly, Switzerland and Germany have reopened their primary and secondary schools. Sweden, for the most part, never closed them to begin with. Germany has kept most of its factories in operation, and Sweden's restaurants remain open.⁴²

We can more fully appreciate that most deaths are among the elderly, especially from nursing homes in which they are grouped together. Sending COVID-19 patients discharged from hospitals back to their nursing homes seems to have been a disaster. Now, can we get even greater clarity on those who are likely to die from COVID-19?

An article posted on the Microsoft Network on June 16, 2020 from *Statista*, a German online portal for statistics, reviewed the data from the Centers for Disease Control.

The CDC has reported that coronavirus patients with underlying health conditions are hospitalized at a rate six times as often as healthy individuals while they die [twelve] times as often. The data focuses on 1.32 million laboratory-confirmed COVID-19 cases between January 22 and May 30 across the U.S. and it compared hospitalization rates, ICU admission rates and death rates for patients both with and without underlying conditions. The most common underlying medical conditions reported in American coronavirus patients are heart disease (32.2 percent), diabetes (30.2 percent), and chronic lung disease (17.5 percent).⁴³

When the data are shown to a person, the fear can begin to lessen. Facts are important. Hearsay and propaganda can be deadly, as demonstrated by these examples. Patients with underlying health conditions are six times more likely to be hospitalized and twelve times more likely to die than those with no underlying health conditions. The most common underlying health conditions that contribute to COVID-19 mortality are heart disease, diabetes, and chronic lung disease (mostly COPD).

Some specific numbers are then provided in the article. Now, remember, this is for those individuals who contract the coronavirus, not simply the public at large.

The CDC reported that the hospitalization rate for otherwise healthy coronavirus patients in the U.S. is 7.6 percent while it is 45.4 percent for those with underlying conditions. The gulf in the ICU admission rate is also glaring, as is the death rate. 1.6 percent of the seemingly healthy patients without any underlying health conditions died during the period of the analysis compared to 19.5 percent of patients who did

have underlying medical concerns.⁴⁴

I'm sorry, there's no such thing as a "healthy" patient. That's an oxymoron, like jumbo shrimp or alone together. Nevertheless, the risk factors start to come into focus.

Healthy people who are infected with coronavirus have a 7.6 percent chance of needing to be hospitalized, while having a 92.4 percent likelihood of not being hospitalized.

People with underlying conditions have a 45.4 percent chance of hospitalization for coronavirus, but only a 54.6 percent chance of avoiding hospitalization.

Healthy people who get SARS-CoV-2 infection have a 1.6 percent chance of dying and a 98.4 percent chance of survival. (More recent data suggests the actual number is a 0.04 percent chance of dying and a 99.96 percent chance of survival.)

People with underlying conditions have a 19.5 percent chance of dying from SARS-CoV-2 and an 80.5 percent chance of surviving.

Reason #8

Can a Mask Become a Virus Trap?



We've spent a good deal of time talking about whether masks will

protect people who wear them, or others around them. Now it's time to talk specifically about the mask and the condition it is in after several hours of being on a person's face, which we touched upon briefly in the early chapters. An article in *Science Daily* from January 2017 accurately summed up the problem:

Airborne pathogens like influenza are transmitted in aerosol droplets when we cough or sneeze. The masks may well trap the virus-laden droplets, but the virus is still infectious on the mask. Merely handling the mask opens up new avenues for infection. Even respirators designed to protect individuals from viral aerosols have the same shortcoming—viruses trapped in respirators still pose risks for infection and transmission.²¹

If we assume the mask has prevented some viral particles from escaping, even from a sneeze or cough, we now have a highly contaminated item which individuals are treating as if it is free from danger.

Most agree that the N95 respirators provide the highest level of protection, but in their own publication the Centers for Disease Control (CDC) detail the potential problems of them becoming a virus trap:

Respiratory pathogens on the respirator surface can potentially be transferred by touch to the wearer's hands and thus risk causing infection through subsequent touching of the mucous membranes of the face (i.e., self-inoculation). While studies have shown that some respiratory pathogens remain infectious on respirator surfaces for extended periods of time, in microbial transfer and re-aerosolization studies more than 99.8 [percent] have remained trapped on the respirator after handling or following simulated cough or sneeze.²²

By virtue of the mask being over a person's face for the entire day, the mask itself has become a highly contaminated surface, especially on the inside portion of the mask. A simple reach inside the mask, perhaps to scratch an itch on the cheek or nose, now makes it likely that the person's finger is loaded with viruses. A wipe of the eyes means the virus has been transferred to the watery surface of the eye, where it now has a clear path to the brain.

But let's imagine transmission might come from another source, the person who is not wearing the mask. The exterior portion of the mask is supposed to provide some filtering of respiratory droplets from a person coughing or sneezing, or aerosolized particles drifting through the air. That means that the exterior, outward facing part of the mask is now contaminated. The CDC publication also addresses this problem:

Respirators might also become contaminated with other pathogens acquired from patients who are co-infected with common healthcare pathogens that have prolonged environmental survival (e.g., methicillin-resistant *Staphylococcus aureus*, vancomycin-resistant enterococci, *Clostridium difficile*, norovirus, etc.). These organisms could then contaminate the hands of the wearer, and in turn be transmitted via self-inoculation or to others via direct or indirect contact transmission.²³

To recap the potential problems, the inside portion of the mask may become contaminated with viruses that are being exhaled by the wearer and then kept viable by the continued exhalation of warm, moist air. The exterior portion of the mask may also become contaminated by persons other than the wearer, who have other pathogens, and may be coughing or sneezing or ejecting aerosolized

particles containing viruses.

Any touching of the mask, even inadvertent, is likely to transfer these viruses to the fingers of the person wearing the mask.

Reason #9

The Myth of Asymptomatic Carriers



What does it mean to be an asymptomatic carrier of SARS-CoV-2? Probably no other question in the COVID-19 debate has been the subject of more confusion. Let's start simply. If you are "asymptomatic," that means you have no symptoms, either fever, coughing, sneezing, or hacking, which might put others at risk for respiratory droplets. It's probably more accurate to say one is "pre-symptomatic," meaning that they might develop in the two to fourteen-day latency period observed in COVID-19.

However, there are no "asymptomatic" carriers, meaning infected individuals

who are carrying around the virus unknowingly for weeks, months, or years. If you are exposed to coronavirus and have even a mild reaction, your immune system has now produced anti-bodies to the virus and you have cleared the virus.

On June 8, 2020, the World Health Organization (WHO) addressed this issue and said:

“It still seems to be rare that an asymptomatic person actually transmits onward,” epidemiologist Maria Van Kerkhove, WHO’s technical lead for the coronavirus said. “We have a number of reports from countries who are doing very detailed contacts, and they’re not finding secondary transmission onward. It’s very rare.”²²

But that wasn’t the end of the story. After receiving a great deal of criticism for her statement, the WHO issued a clarification the following day.

The WHO maintains that what was said was not in error, but perhaps the word asymptomatic was interpreted too broadly, to include people who may not yet be showing symptoms (pre-symptomatic), or people with very mild illnesses.²³

In order to provide an example so that it might be clearer to people the actual type of risk they were attempting to describe, WHO said:

One telling example: in May, officials in Seoul, South Korea traced as many as [forty] coronavirus cases back to nightclubs after one man visited three of them, and later tested positive for COVID-19, the disease caused by the coronavirus.

“That means you could be in the restaurant, feeling

perfectly well, and start to get a fever,” Ryan said. “You didn’t think you’d need to stay home, but that’s the moment at which your viral load could be actually quite high . . . It’s because the disease can spread at that moment that the disease is so contagious. That’s why it’s spread around the world in such an uncontained way.”²⁴

It is understandable one might think to wear a mask because of the fear that somebody around you might suddenly develop symptoms, at which point they are likely to be highly contagious, when this situation has never in human history proved true, even in the SARS and MERS pandemics of 2001 and 2009 respectively. That said, even with mild social distancing, and not hanging around in nightclubs or choirs, one should be able to avoid such risks and limit the spread, just as likely occurred in those pandemics.

A study by Japanese researchers and Harvard University was conducted on patients from the *Diamond Princess* cruise ship to try and tease out the risk of the so-called “asymptomatic patients.” Despite having a population of 3,711 people and 634 coming down with the virus, the study concluded:

Currently, there is no clear evidence that COVID-19 asymptomatic persons can transmit SARS-CoV-2, but there is accumulating evidence indicating that a substantial fraction of SARS-CoV-2 infected individuals are asymptomatic.²⁵

One must always be open to possibilities revealed by new information, but from what has been demonstrated so far, the risk of transmission from an “asymptomatic carrier” (however one might choose to define that), appears extremely small. Again, when they say “asymptomatic” they mean an individual who is “pre-

symptomatic” or who may have only mild symptoms which might easily be missed.

Perhaps one of the most definitive analyses of the mask issue was conducted in late May 2020 by the prestigious *New England Journal of Medicine*.

We know that wearing a mask outside health care facilities offers little, if any, protection from infection. Public health authorities define a significant exposure to [COVID]-19 as face-to-face contact within [six] feet with a patient with symptomatic [COVID]-19 that is sustained for at least a few minutes (and some say more than [ten] minutes or even [thirty] minutes). The chance of catching [COVID]-19 from a passing interaction in a public space is therefore minimal. In many cases, the desire for widespread masking is a reflexive reaction to anxiety over the pandemic.²⁶

These authors are destroying the entire rationale for widespread masking. Their understanding of the warnings from public health officials is that you are in danger if you have face to face contact with a “symptomatic” COVID-19 patient for at least a few minutes, if not anywhere from ten to thirty minutes. Your risk of contracting COVID-19 from a brief interaction in a public place is “minimal.” The call for widespread masking is best understood as a “reflexive reaction to anxiety over the pandemic.”

Remember what we said about “fear” overriding your rational mind? That’s what we’re getting from so many of our politicians, public health officials, and celebrities like Joy Behar who claim to be driving around their cities and “mask-shaming” those who aren’t wearing their masks.²⁷ Fear over facts. I’m pleased that the researchers tackle these questions in such an honest manner, but it also seems that in their interpretation of the data, they succumb to some of the

anxiety.

There may be additional benefits to broad masking policies that extend beyond their technical contribution to reducing pathogen transmission. Masks are visible reminders of an otherwise invisible yet widely prevalent pathogen and may remind people of the importance of social distancing and other infection-control measures.

It is also clear that masks serve symbolic roles. Masks are not only tools, they are also talismans that may help increase health care workers’ perceived sense of safety, well-being, and trust in the hospitals. Although such reactions might not be strictly logical, we are all subject to fear and anxiety, especially during times of crisis. One might argue that fear and anxiety are better countered with data and education than with a marginally beneficial mask, particularly in light of the worldwide mask shortage, but it is difficult to get clinicians to hear this message in the heat of the current crisis.²⁸

Call me crazy, but I’ll take data and education over a “talisman” every day. My coauthor, Kent, enjoys fantasy movies like Harry Potter as much as anybody, but magical talismans are not what either of us would deploy against a purported causative agent, SARS-CoV-2 of the deadly disease, COVID-19. And while we understand medical experts are human, we do expect their training has taught them to suppress their fear and anxiety enough so they can focus on good data and develop a reasonable plan.

If they can’t, they should find another profession.

Reason #10

Children Do NOT Need to Wear a Mask to Return to School

One of the most challenging questions is how to protect our children from developing COVID-19. In some ways, however, they seem to be less in need of protection than the adult population. As stated in an article in *STAT* from June 18, 2020:



Kids get sick, pass the viruses among themselves, and infect the adults in their lives—teachers, day care attendants,

parents, and grandparents. It's not a coincidence that elementary school teachers are often sniffing and sneezing within a month of the start of school, or that flu season often hits in earnest after Thanksgiving or Christmas, when multiple generations share holiday cheer and the occasional germ.

If children play the same role with the SARS-CoV-2 virus, closing schools and restricting the access of children to each other and the older adults in their lives could be important ways to suppress transmission of the new disease. But if they play a less active role, as studies seem to suggest, then the high cost of these restrictions—interrupted education and socialization, stress as parents juggle working from home with child care, lack of access to school meals—aren't warranted by the small benefits gained.²¹

The simple fact seems to be that children are not significantly impacted by COVID-19. If they do contract SARS-CoV-2, few examples of the development of anything more than a mild cold are evident. And even if children do contract SARS-CoV-2, they do not seem to spread the infection.

An article in *Science* magazine attempted to make sense of this mystery, highlighting some of the unexpected findings among children:

For families eager for schools to throw open their doors, the tale of a [nine]-year-old British boy who caught COVID-19 in the French Alps in January offers a glimmer of hope. The youngster, infected by a family friend, suffered only mild symptoms; he enjoyed ski lessons and attended school

before he was diagnosed. Astonishingly, he did not transmit the virus to any of [seventy-two] contacts who were tested. His two siblings didn't become infected, even though other germs spread readily among them: in the weeks that followed, all three had influenza and a common cold virus.

The story could be a bizarre outlier—or a tantalizing clue. Several studies of COVID-19 hint that children are less likely to catch the novel coronavirus, and don't often transmit it to others. A recent survey of the literature couldn't find a single example of a child under [ten] passing the virus on to someone else, for example.²²

To be certain, there are differences between children under the age of ten and those over, but they don't appear to be significant. The pattern repeats again and again. If you have a strong immune system (which is likely to be strongest when you are young), the virus does not seem to present significant risk. Also, the co-morbidities which seem to be associated with greater risk of death (heart disease, diabetes, and respiratory problems) are not high in the school age population. The *Science* article continued:

Relying on those encouraging if scant data—and the reassuring knowledge that very few children get severely ill from COVID-19—some governments are beginning to reopen schools. Denmark sent children up to age [eleven] back on [April 15], and Germany welcomed back mostly older children on [April 29]. Some Israeli schools reopened on [May 3]; the Netherlands and the Canadian province of Quebec plan to reopen many primary schools on [May 11]. The steps are tentative; most schools are resuming with reduced class sizes,

shortened school days, and extra handwashing.²³

Notice what wasn't in those return-to-school plans: face masks. That's because the medical professionals, looking at the data on schoolchildren, didn't think it made sense.

A recent French study which was highlighted in *Bloomberg News* also found the same pattern that children do not appear to transmit the virus to others, and when children are infected, their symptoms are much less severe.

School kids don't appear to transmit the new coronavirus to peers or teachers, a French study found, weighing in on the crucial topic of children's role in propagating Covid-19.

Scientists at Institut Pasteur studied 1,340 people in Crepy-en-Valois, a town northeast of Paris that suffered an outbreak in February and March, including 510 students from six primary schools. They found three probable cases among kids that didn't lead to more infections among other pupils or teachers.

The study confirms that children appear to show fewer telltale symptoms than adults and be less contagious, providing a justification for school re-openings in countries from Denmark to Switzerland.²⁴

We need to respond to data. The data are showing that children are not at risk for SARS-CoV-2 and we don't need to worry about them transmitting the virus to adults in their lives.

Even an opinion piece from CNN, written by the former executive director of UNICEF, urging a return of children to school, didn't advocate for face masks.

There are safe ways to do this. School operations will need to

THE CASE AGAINST MASKS

align with public health measures, and adjustments will need to be made when there is new information on risks or changes in local transmission and conditions.

There is no denying that a lot needs to be done to increase health safety in schools—especially in the poorest communities. For example, handwashing stations, disinfection and physical distancing.²²

We want children to be protected, but we also want them to learn and develop.

Practically all Americans have come to know Dr. Anthony Fauci during the COVID-19 epidemic, and most would credit him as exceptionally cautious in his pronouncements. In an interview with CNN in June 2020 he provided some of his thoughts on the reopening of schools and what that might look like:

The idea of keeping schools closed in the fall because of safety concerns for children might be “a bit of a reach,” said Dr. Anthony Fauci, director of the National Institute of Allergy and Infectious Diseases.

In a phone interview with CNN Wednesday, Fauci noted that children tend to have milder symptoms or even no symptoms when they are infected with Covid-19.²³

Fauci is agreeing with the general scientific observation that children do not seem to be severely impacted by COVID-19, and when they do have the virus, they don't seem to pass it on easily to others. As to what those changes might look like, Fauci said:

“In some situations, there will be no problem for children to go back to school,” he said. “In others, you may need to do

some modifications. You know, modifications could be breaking up the class, so you don't have a crowded classroom, maybe half in the morning, half in the afternoon, having children doing alternate schedules. There's a whole bunch of things that one can do . . .”

He suggested that one option is to space out children at every other desk, or every third desk in order to maintain proper social distancing.²⁴

But in the article, there's no discussion of children being masked. Again, like the classic Sherlock Holmes story of the dog that didn't bark, why is nobody talking about children wearing masks in school? Especially since they mandate all adults to be masked.

The reason is because it's a foolish idea, just as it's foolish for the general public to be masked. Kids will run around school and exhaust themselves, and they need prodigious amounts of oxygen to keep up their activity levels. Adults need oxygen just as much, and we need our social interactions, walks in the glorious sunlight, exercise, and good, healthy food, as we laugh with our friends in the sunshine.

These are the virtues which will now get us through any challenge.

Points to Remember

1. Human beings need to breathe oxygen and exhale carbon dioxide. Oxygen is 20.9 percent of the air we breathe in, but only 16 percent of what we breathe out. OSHA regulations state that any oxygen-level below 19.5 percent is dangerous. Carbon dioxide is only at 0.04 percent in the atmosphere, but 4 percent of the air we breathe out, a hundred-fold increase. Carbon dioxide toxicity begins when those levels are around 10 percent. Masks lower oxygen levels and raise carbon dioxide levels.
2. SARS-CoV-2 spreads mainly through respiratory droplets from infected individuals who are coughing, hacking, or sneezing and in close, sustained contact with others. It does not appear to spread through regular breathing from people in typical social interactions.
3. Masks have varying degrees of effectiveness, but the more effective they are at blocking air flow, the lower your oxygen levels will be, and the higher the carbon dioxide. Studies have shown that masks raise complaints of shortness of breath, headaches, and dizziness, suggesting lower oxygen and higher carbon dioxide levels.
4. You do not need to be six feet apart from a person *and* wearing a mask. The WHO does not recommend a six-foot distance for social distancing, but only a three-foot distance. Reputable publications such as *The Lancet* have reported there is “scarce” evidence that masks provide effective protection against

5. respiratory infections.
5. Masks disrupt normal patterns of air flow, leading to pathogens being deposited on chin, cheeks, and near eyes. A small study from South Korea showed that COVID-19 easily passed through several different types of masks.
6. Unless you are close to somebody who is singing or speaking very loudly, such as in a choir, the risk of airborne transmission is very low, especially since it is difficult for coughing people to sing. Super-spreader events have appeared to have taken place only in indoor events and among individuals in prolonged close and intimate contact with each other, singing, or talking loudly. Sunlight is a potent killer of this virus, often destroying it within a few minutes.
7. Nursing homes are dangerous for spreading SARS-CoV-2, as the residents normally have lowered immunity. That lowered immunity makes them most susceptible to developing COVID-19 from exposure to SARS-CoV-2. Consider that 42 percent of Covid-19 cases have come from nursing homes, even though they account for only 0.6 percent of the population. Recent data from several states suggest that number might be substantially higher. Having heart disease, diabetes, or chronic lung disease also increases your chances of disease development from any upper respiratory infection.
8. Masks can become virus traps, leading to increased chances for infection when you touch with your hands. The CDC has abundantly documented how well viruses can remain active on N95 respirator masks, and there is no reason to believe the results wouldn't be the same for other types of masks.

- 9. There's no such thing as an "asymptomatic" carrier, who has the virus without symptoms for weeks, months, or years. The *New England Journal of Medicine* recently published an article from several researchers claiming that wearing a mask outside of a health care facility "offers little, if any, protection from infection."
- 10. Children should return to school in the fall without masks. Multiple studies and infection patterns indicate children are less likely to get infected, and when they are infected they have more mild symptoms (and thus are less likely to be coughing and hacking) and do not spread the virus to teachers, parents, or grandparents.

Final Thoughts

Scientific understanding is a continuing process. What we have put together in this book is intended as part of a continuing dialogue on how to best respond to the SARS-Cov-2 infection and the development of COVID-19. We expect many more things are to be learned about this outbreak. Even at this point there are many things which are unclear, such as whether this virus was the result of a natural spillover from bats who lived several hundreds of miles from Wuhan, China, or released from a lab in Wuhan.

One of the latest claims is that SARS-CoV-2 is altering the immune function of those who contract it.²⁵ This is an unusual occurrence for a typical corona virus, but common for retroviruses like HIV, supporting the contention this is a laboratory created virus. Several researchers have noted HIV sequences in SARS-CoV-2. This is not unexpected when the bat viruses were grown in Vero monkey kidney cells. This continuously growing cell line contains many monkey viruses including SIV. SIV is the closest ancestor to HIV. How else do you get sequences from a monkey virus in a bat virus? The most likely scenario is the common laboratory practice of passaging viruses through cell lines of different species in order to adapt them to infect the cells without killing them in what is commonly referred to as "gain of function" research. We have experienced several deadly pandemics over the past four decades of my career. All clearly started from these laboratory practices, despite the best efforts of the majority of virology experts to prohibit gain of function research. That COVID-19 is a man-made disaster, a plague of corruption is a pox on all of our houses. Our response must not result in more suffering and loss of life than the

virus/disease. Such is the case of universal mask use as we have made a strong case that not only do the masks not prevent spread of SARS-CoV-2, they do not ameliorate COVID-19. Based on our fair and balanced interpretation of the data we can only conclude that the masks are doing more damage, particularly to the most vulnerable to developing COVID-19 from a SARS-CoV-2 infection. As an alumna of the University of Virginia, I quote its founder Thomas Jefferson: "[T]his institution will be based on the illimitable freedom of the human mind. For here we are not afraid to follow the truth wherever it may lead, nor tolerate error so long as reason is left free to combat it." It's time to restore freedom and reason to all Americans.

Endnotes

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² Ibid.

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⁴ "What Are the Normal Oxygen Levels in Humans?" *Reference.com*, accessed June 15, 2020, www.reference.com/world-view/normal-oxygen-levels-humans-602ffe726c4b8107.

⁵ Sean Kane, "Here's the Longest People Have Survived Without Air, Food, Water, Sunshine, or Sleep," *Science Alert*, last modified June 10, 2016, accessed June 15, 2020, www.sciencealert.com/here-s-the-longest-people-have-survived-without-air-food-water-sunshine-or-sleep.

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20.0 VACCINE INDUSTRY CORRUPTION

20.1 Vaccines, Biowarfare and Betrayal

By Catherine O'Driscoll @ February 2017

During the 1980s and 1990s I was the loving owner of five beautiful Golden Retrievers. But then everything went wrong. Oliver died suddenly at the age of four; Prudence died of leukaemia at six; Chappie had thyroid disease; Sophie had crippling arthritis; and Samson had autoimmune disease followed by cancer and death at five years.

Suffering and grief were the prevailing energies – and I naturally asked why.

I discovered that **annual vaccination** (or even one vaccination) is capable of **triggering** all of the **sicknesses** that my dogs experienced. I learned that veterinarians, the veterinary vaccine industry, academics, politicians and even governments have been selling us out for decades. In fact, it seems perfectly legal and acceptable for a corporation or vet to kill your pets, as long as the product that killed them had been approved by the regulator and given according to instructions.

But it doesn't stop there. You and your children are at risk for the very same reasons.

Lobbying Against Overvaccination of Pets

In the 1970s pathobiologist Dr Ronald D Schultz at the University of Wisconsin's School of Veterinary Medicine went into the laboratory and established a scientific truth: once a dog is immune to viral disease, he is immune for years and probably for life. Dogs don't need "boosters" every year or three years. But this hasn't stopped vets from promoting annual or three yearly shots. How on earth can you trust or even respect, a profession or an industry that openly promotes a veterinary procedure which isn't needed but is potentially very harmful, or government that does nothing to stop this?

Since the living nightmare we went through in the early 1990s, I've been running a not-for-profit organisation called Canine Health Concern (CHC) to share vaccine science with my fellow dog-lovers, with the aim of bringing barbarous overvaccination practices to an end.

I had no idea how large this task would prove to be.

CHC has lobbied the British regulator – the Veterinary Medicines Directorate (VMD) – to have one-year vaccines taken off the market, since they're redundant yet facilitate overvaccination. Hundreds of our members have written to their elected representatives on several occasions, all to no avail. I have always wondered why the VMD should be so hostile to me and my organisation when we ask it to stop the unnecessary annual vaccination of pets. The VMD has consistently treated us as the enemy since we began writing to it in the early 1990s. I still have the correspondence to prove it!

The VMD is allegedly charged with "assuring the safety, quality and efficacy of veterinary medicines". When we wrote to it in 2010 to call for the withdrawal of one-year vaccines for the core diseases of parvovirus, distemper and hepatitis, the VMD bizarrely sent us a lengthy document extolling the virtues of the smallpox vaccine but didn't answer our question about the withdrawal of unnecessary booster shots for pets. After several months of correspondence and copious insults later, we finally had our answer (and I paraphrase): "No. Sod off."

While researching my new book, *The Tip of the Needle*, I was able to understand why the VMD would not act to protect our pets – and I ended up as depressed as hell.

Why Won't the Regulator Act on Our Behalf?

The regulator is, in fact, the brainchild of the industry it purports to regulate. The VMD was established in February 1989 following the February 1988 publication of Review of Animal Medicines Licensing by Mr P.W. Cunliffe, CBE, a former Chairman of ICI Pharmaceuticals. The fox got to write the rules in the hen house.

Looking through government documents such as the 2010 Hampton Report relating to the VMD, you will find that, rather than protecting us and our pets, the VMD is expected to be "keen to minimise the burden of regulation on the industry" and "should publish an innovation policy outlining how it is using new forms of technology to help veterinary medicine manufacturers bring new products to market." The VMD's brochures, reports and other documents make it clear that corporations are to be helped and pleased, and that drugs and biologics are to be fast-tracked to market – if you have lots of money to hand over to the regulator. So much for our pets.

Indeed, the VMD is funded by the very industry it's supposed to regulate. It does so by approving veterinary medicines in competition with other European regulators, so if the UK won't approve them, another EU regulator can pocket the approval fee. This probably explains why Lepto vaccine is known to kill dogs (120 deaths admitted to yet it is still on the market, apparently unchanged. But the regulator is doing nothing about this for now.

Viruses and Vaccines as Biological Weapons

When you think of vaccines, you also need to think of biological warfare. Both industries are ostensibly the same. Our governments are also involved in, and profit from, the vaccine industry. Vaccines appear to me to be an international racket with biowarfare a key agenda.

According to World Health Organisation (WHO) Chronicle articles that Len Horowitz, DMD, unearthed for Emerging Viruses, "WHO has exerted a powerful influence on the quality control of biological substances since its very inception in 1948." At the end of World War II, the WHO was backed by powerful people such as Henry Kissinger and successive governments that were looking for ways to wage war other than through the use of the atomic bomb. The money was going into viruses. In his book *Cutting Edge: A History of Fort Detrick, Maryland, 1943-1993*, Normal M. Covert explains the early days of courtship between governments and industry. The aptly named Covert, Chief of Public Affairs at Fort Detrick, states (p.17): "From the moment of its birth in the highest levels, the fledging biological warfare effect was kept to an inner circle of knowledgeable person. George W. Merck was a key member of the panel advising President Franklin D. Roosevelt and was charged with putting such an effort together. Merck owned the pharmaceutical firm that still bears his name."

Government agencies, including the US National Institutes of Health (NIH), the National Cancer Institute, the Centers for Disease Control and Prevention (CDC), the Department of Defense, the US Public Health Service as well as the Pasteur Institute and the International Agency for Research on Cancer in France, Porton Down in England, the Ivanovsky Institute in Russia and others – scientists around the world in government departments and pharmaceutical companies – were (and still are) messing about with viruses in labs, splicing together different viruses from different species and creating superviruses under the guise of preventative health care while also delivering powerful biological weapons – and sharing them with one another!

By the late 1960s, the WHO's and the NCI's virus and cancer reference centres in Denmark and Switzerland served as authorised technical advisers for and suppliers of "prototype virus strains, diagnostic and reference reagents, antigens and cell cultures" to 592 virus labs. Over 2,514 virus strains were distributed.

"So any protestation that our governments want to protect humanity from infectious disease is somewhat disingenuous..."

I questioned the collaboration between government and the biowarfare industry when a 2007 foot-and-mouth-disease outbreak in the UK was traced to a shared government-industry research facility called **The Pirbright Institute**. The virus was used by three parties at Pirbright: the government-funded Institute for Animal Health, Merial Animal Health Ltd and Stabilitech Ltd. My naïve question back then was: why would our government want to share a facility with the vaccine industry?

I also asked the "why" question during the previous UK foot-and-mouth outbreak in 2001. In a Trevor McDonald TV documentary it was asserted that the government department Defra was telephoning wood yards to ask about burning materials two weeks ahead of the announcement of any foot-and-mouth epidemic. In fact, a CHC member who ran a wood yard had already telephoned me to tell me the same thing. Why did Defra wait two weeks while this highly infectious disease took hold? The conspiracy theory was that the outbreak had started at the government's Porton Down biological warfare facility and that the government was trying to cover up the leak.

The official advice was to stack the dead bodies of cattle and sheep out in the open air-even though foot-and-mouth is an airborne disease and stacking bodies in the open would likely spread it. My own vet even suggested that something fishy was going on.

Governments and bioscientists like to make claims that biological warfare initiatives are concerned with defence, but to me this scenario looks more akin to a lucrative armaments industry. In 1994, for example, a US Senate report documented the transfer of biological weapon ingredients to Iraq: botulism developed in Maryland, licensed by the Department of Commerce and approved by the Department of State. Anthrax was also supplied to Saddam's Iraq by Porton Down. So any protestation that our government want to protect humanity from infectious disease is somewhat disingenuous: they were selling biological agents to allegedly despotic regimes with seemingly little conscience. During the 1980-1990 Iran-Iraq War. America and Britain even sold armaments to both sides.

In fact much medical research is funded by grants from government bodies such as the UK Medical Research Council (MRC) and the US NIH. When the basic research looks promising, the compound is sold, often to a biotechnology firm. For example, the MRC holds patent no. WO 1986004242 A1 for "Improvements relating to influenza vaccine". In September 2014, Natural News reported that the CDC was awarded Ebola virus patent no. CA 2741523 A1 in 2010, and that the NIH owns patents on Ebola vaccine. The Ebola virus was deposited with the CDC in 2007. I presume that these government agencies can demand royalties on Ebola vaccines. Isn't this corruption, seeing that these agencies exist for the good of the people? How can they ethically be regulators of their own assets from which they profit?

Vaccine safety proponent Robert F. Kennedy, Jr, notes: "**CDC is not an independent agency.** It is a vaccine company. CDC owns over twenty vaccine patents. It sells about \$4.6 billion of vaccines every year.

Biological warfare, eugenics and the transfer of money from the poor to the rich under the guise of "health care" were beginning to look like issues that tied together governments, the pharmaceutical industry and the military, threatening our lives as well as those of our children and our pets. And it's all done under the cover of darkness and misinformation.

Population Control and Unsafe Vaccines

While researching Tip of the Needle, I couldn't help stumbling upon considerable evidence to indicate at least that they're trying to kill us off! (If they don't want us to be conspiracy theorists, they should stop appearing to conspire against us.)

Back on 29 July 1969, for example, the US House Republican Research Committee Task Force on Earth Resources and Population, Chaired by George H.W. Bush, cited the urgent need for population control to fend off a growing Third World crisis. Included in the briefing was information from the evangelical group which the famous vaccinating philanthropist Bill Gates had been trained to revere: Planned Parenthood, which has roots in the eugenics movement. Its founder, Margaret Sanger, advocated "negative eugenics", which aims to improve human hereditary traits through social intervention by reducing the reproductive capacities of those considered unfit.

Bill Gates has a history in this area. In a PBS interview with American journalist Bill Moyers, he admitted that his family's involvement in reproductive issues through the years has been extensive, referencing his prior adherence to the beliefs of eugenicist Thomas Robert Malthus, who asserted that populations need to be controlled through reproductive restrictions.

A 1974 US government document, "National Security Study Memorandum NSSM 200" (dubbed "The Kissinger Report") states (p.14); "...There is an alternative view which holds that a growing number of experts believe

that the population situation is already more serious and less amenable to solution through voluntary measures than is generally accepted. It holds that, to prevent even more widespread food shortage and other demographic than are generally anticipated, even stronger measures are required and some fundamental, very difficult moral issues need to be addressed. These include...our own consumption patterns, mandatory programs tight control of our food resources ...

"...implementing the actions discussed above ... will require a significant expansion in AID funds for population/family planning. A number of major actions in the area of creating conditions for fertility decline can be funded from resources available to the sectors in question (e.g. education, agriculture). Other actions including family planning services, research and experimental activities on factors effecting fertility come under population funds ..."

In 1978, the US Department of State issued a three-part bulletin, "World Population: The Silent Explosion" it came with a conflicted message: on the one hand talking about giving more food aid and vaccines to developing countries; on the other hand, implying that if the starving masses died there'd be less of a problem.

The World Bank also got in on the act. In her 1987 book *Reproductive Rights and Wrongs*, Betsy Hartmann notes that the World Bank's key device for administering population policy is "leverage over other forms of development finance". This means that wealthier nations lend money to poorer nations in the knowledge that loans cannot be repaid. She also notes that governments often burdened by massive foreign debt are persuaded to "devalue their currency, privatise their industries, open their doors to foreign investment, freeze wages, raise food prices, slash social services and implement Bank sanctioned population programs". In other words, the **US-sponsored World Bank appears to be bankrupting foreign governments** in order to advance the American Corporate Empire and its agenda: seemingly a plan to reduce populations.

The vaccine industry has arguably been involved in negative eugenics, having been caught lacing vaccines with chemicals that cause sterility in women, as happened in the Philippines, Nicaragua and Mexico. In March 2014, the **Catholic Church in Kenya** questioned whether a tetanus vaccination campaign targeting women aged 14 to 49 was aimed at sterilising these women.

The human papilloma virus (HPV) vaccine Gardasil, sublicensed to Merck, is believed to cause adverse side effects including seizures, blood clots, paralysis and even death in some young women. It is also thought to induce premature ovarian failure – sterility – in some cases.

The 2014-16 Ebola outbreak had me asking more questions. Since the first confirmed case recorded on 23 March 2014, over 11,000 people in six countries are confirmed to have died. The film *Outbreak: The Truth about Ebola*, broadcast on BBC Two in June 2015, revealed that the **WHO dragged its feet** for 10 months after the outbreak had started. It did nothing, leaving Medecins Sans Frontieres workers to deal with the spread of Ebola and with woefully inadequate resources. This makes me wonder if the WHO was keen to play with other people's lives, giving it time so that vaccines could be advanced. Was it conspiracy or cock-up?

The NIH has been trialling Ebola vaccines for some time. A 2003-04 study, published in 2006 showed its vaccine to be less than safe. Two subjects experienced "serious adverse events"; over 90% had local injection site reactions; and recorded systemic symptoms included malaise, muscle, nausea and fever.

Despite these concerns, on 5 September 2014 more than 200 "technical experts" convened by the WHO recommended bypassing the usual regulatory pathways for Ebola Vaccines and therapies. At this meeting, **Gary Nabel, MD, PhD, head of the US National Institute of Allergy and Infectious Diseases Vaccine Research Centre** (part of the NIH) before he left to join drug firm Sanofi, said that manufacturers should massively scale up Ebola vaccine production before trial results were available. "If it were me personally, I'd err on the side of caution, and I'd think carefully about stockpiling doses. If it isn't safe you throw away those lots. In the worst case you've wasted some money," he said. I find it astonishing that an MD, a former US government official who contributed to the above study and is now an industry man, should think that you only waste money if a vaccine isn't safe. After all, these "experts" were talking about bypassing safety trials. There seems to be no consideration of the lives that an unsafe vaccine might destroy.

I've spent the last 25 years asking my government to properly regulate the veterinary vaccine industry – but now it looks like governments are part of both the animal and human vaccine industries.

Oligarchs and Vested Interests.

Billionaire Bill Gates is keen to save the world with vaccines. Not only does he attract contributions from the super-rich for the Bill & Melinda Gates Foundation, he has also purchased large shareholdings in vaccine and biotech companies. He is therefore profiting from his philanthropy. His foundation invests in companies and products, such as genetically modified organisms, which harm the people that it purports to help.

Ahead of the prestigious Dimpleby Lecture by Bill Gates on 29 January 2013, the BBC acknowledged serious concerns about the safety and usefulness of the Foundation's polio vaccination campaign. In his article "Bill Gates: The world can defeat polio", the BBC's medical correspondent Fergus Walsh refers to a study by Indian paediatrician Jaco Puliyl, MD, et al. in the Indian Journal of Medical Ethics: "The polio eradication programme epitomises nearly everything that is wrong with donor funded 'disease specific' vertical projects, at the cost of investments in community-oriented primary health care (horizontal programmes)..."

In fact, the Gates Foundation's polio eradication program in India was the precursor to a massive increase in non-polio acute flaccid paralysis (NPAFP), a related disease that's more deadly than polio itself. Polio, by the way, is spread through contaminated water. Billions are spent on profitable new drugs and vaccines, when the same amount spent on clean water and sanitation would have a far greater impact in terms of benefit to health.

In a new development in early February 2017, India's National Technical Advisory Group on Immunisation announced it has cut off all financial ties with the Gates Foundation due in part to "conflict of interest issues" relating to its links with pharmaceutical companies.

Then there are the Murdochs, who also have vaccine ties. GlaxoSmithKline (GSK), manufacturer of the MMR (measles-mumps-rubella) vaccine, appointed James Murdoch to its board-level Corporate Responsibility Committee as at May 2009 to help review "external issues that might have the potential for serious impact upon the groups' business and reputation". The Murdoch press, especially via Sunday Times journalist Brian Deer, had been on a mission since 2003 to disparage gastroenterologist Andrew Wakefield, MBBS, who noted a correlation, asserted by parents, of an MMR vaccine-autism link. In May 2010, Dr Wakefield was struck of the UK medical register. In January 2012, James Murdoch retired from the GSK board, his brief presumably fulfilled.

People think that Wakefield was discredited, whereas the evidence indicates that he was stitched up to protect vaccine industry profits. His book, *Callous Disregard*, outlines government and vested-interest involvement. According to Wakefield, Professor Sir David Hull contacted the Dean of the Royal Free Hospital School of Medicine to "bring to bear whatever pressure he could" to stop Wakefield from acting as an expert witness on behalf of MMR vaccine-damaged children. Reports on the Age of Autism website talk about scientists being frightened to defend their colleague, or even to be associated with him, for fear of government reprisal.

All of this makes me question whether oligarchs have the right to promote unsafe vaccines just because they're richer than we are, and whether voting for a government based on a small number of platforms (health, crime, education) resembles anything like democracy.

UK Vaccination Committee Cover-ups

Professor Sir David Hull, who allegedly tried to silence Wakefield, is the same professor who headed the UK's **Joint Committee on Vaccination and Immunisation (JCVI)**. According to the findings from Freedom of Information Act requests lodged by biochemist Dr Lucija Tomljenovic of the University of British Columbia and published by the British Society for Ecological Medicine in March 2011, the JCVI has been lying about vaccine adverse effects for decades. Documents show that the JCVI withheld and/or distorted critical data on many severe adverse reactions from childhood vaccines, including anaphylaxis, brain damage, convulsions and fits, cot deaths, encephalitis, meningitis, cessation of development and death.

Dr Tomljenovic asserts that the JCVI and Department of Health may have violated international guidelines for medical ethics, including the Declaration of Helsinki, and their own codes of practice. Transcripts of JCVI meetings show that some Committee members had "extensive ties to pharmaceutical companies and that the JCVI frequently co-operated with vaccine manufacturers on strategies aimed at boosting vaccine uptake". Rather than reacting appropriately when safety concerns over specific vaccines arose, the JCVI did nothing or skewed or removed data and made intensive efforts to reassure the public and authorities on vaccine safety. In addition, the Committee "persistently relied on methodologically dubious studies, while dismissing independent research to promote vaccine policies" and "actively discouraged research on vaccine safety issues".

By the mid-to late 1980s, Dr Tomljenovic notes, "the JCVI had become increasingly concerned about publicly associating the terms 'death' and/or 'brain damage' with the word 'vaccine' because of the negative repercussions they perceived this would have on vaccination policy'. These concerns were 'exacerbated by the increasing burden of litigations about pertussis vaccine-suspected injuries... and the possibility that vaccination could be linked to ...SIDS (sudden infant death syndrome)"

The Sellout by Academia

I have become used to dealing with scientists who either speak out despite jeopardising their careers or are afraid to speak out (the latter being by far the larger category). This ostensibly means that science is no longer concerned with the open pursuit of truth. It has been hijacked by the profit motive. I have also run into brick walls and even open assault when dealing with scientists who choose to collaborate with corporations and benefit from their funding.

What we have in fact are academic institutions, which are intimately involved with our health and that of our pets, in bed with governments and pharmaceutical companies. Academics who might have been counted on to protect us against fraudulent claims and dangerous drug side-effects routinely let us down. What's more, our taxes are spent on delivering drugs and vaccines that can cause harm and which might barely be needed.

When I was working in public relations back in the 1980s and 1990s, I had a number of academic institutions as clients and was told that government policy dictated the need to boost government funding with grants from industry. This is a really bad idea which signals the end of scientific integrity. It means that academics have difficulty speaking out when doing so jeopardises their colleges financial survival and their own careers. Indeed, considerable circumstantial evidence suggests that bioscientist who speak out have a high risk of untimely or suspicious death. On the other hand, scientists who are happy to consort with the pharma industry prosper. When I say "consort with the pharma industry", I mean too many scientists hide or minimise unfavourable research results, are reluctant to speak the truth for fear of reprisals, and display a cavalier bias towards the promotion (for a fee) of drugs and vaccines. So much for the open pursuit of truth.

Do We Matter At All?

In 2006, the journal *Clinical and Vaccine Immunology* published a mini-review of vaccine development issues presented during GTCbio's Third Annual Conference on Vaccines in 2005 – and it takes us right to the core of the problem. According to the review, titled "Vaccines. All Things Considered". "The meeting provided an excellent overview of the concepts and concerns for vaccine developers and the vaccine industry and was relevant to individuals in academia, industry, regulatory agencies, implementation, military, government, and physicians". And us, of course.

I would say the concerns are relevant to us, especially since the authors state that there are "significant roadblocks" to developing and licensing new vaccines because of "the difficulty in preparing a 100% safe and effective product, the high cost of testing, and the almost unavoidable consequence of the occasional, no matter how infrequent and minor, adverse event". We are the ones suffering those pesky roadblocks with our lives – if we open our arms to their needles, that is.

The report goes on to say: "...In addition, vaccines are administered to healthy individuals, and any side effects, even if unrelated to the vaccine, make the manufacturer a target for lawsuits... Although vaccine development is motivated by its benefit to mankind, the primary drive remains profit, since vaccines are usually made by pharmaceutical companies."

The 2006 mini-review continues: 'Redefinition of vaccine development as a deterrent to biowarfare with the establishment of **Project Bioshield** has enticed the military defense industry to get involved in vaccines. For example, Lockheed, an aerospace, military defense company, bought Dynepoint, a vaccine company. The extensive experience in lobbying Congress for funding by the military defense complex may change the nature of future vaccine development.'

It's worth noting that in 2014, an online petition via SumOfUs.org sought to stop Lockheed Martin from taking over huge chunks of the UK National Health Service (NHS). The petition organisers warned: "if successful, the world's biggest weapons manufacturer could be in your GP's office handling your records and scheduling your appointments... The NHS has been delivering these services to GPs for decades, but the NHS has been banned from meetings about its own future and isn't even allowed to bid... If this were really about saving the government money, bidding would be open to organisations that have already proven they can do the job. What's really happening is another step in selling off the NHS to the highest bidder.

You'll be relieved to know that Lockheed withdrew from the bidding process. But I think the SumOfUs organisers missed a point: Lockheed Martin is in the bio-industry now. The privatisation of the NHS is also potentially putting the corporations that make vaccines and drugs in a position to award themselves contracts for those vaccines and drugs which may or may not work, or which contain weaponised biological agents for deployment in an overpopulated world. Why was the UK government stopping others from bidding, and why did it appear to be handing over more money than was necessary?

It's also worth noting that the USA is currently **enacting laws to force people to be vaccinated against their wishes**. Consider the implications of this in the light of bio-organisations involving themselves in "health care".

The authors of the "Vaccines: All Things Considered" mini-review add: "Recently, government funding of vaccine development has been driven by fear: fear of bioterrorism, fear of being blamed for inaction, and concern over lost revenue due to absence due to illness."

It has nothing to do with caring about humanity, then? The vaccine program is not driven by desire to ensure that people are living disease free and happy lives. As the review notes: "...Fear of the threat of bioterrorism elevates infectious diseases to the status of a military weapon and changes the definition of a vaccine program into a military deterrent."

Vaccines are about warfare. That's the long and the short of it. Our regulators are not independent regulators at all. They walk like regulators, talk like regulators, even look like regulators – but they're not. Governments themselves are involved in the study and use of viruses and bacteria for warfare, with agencies such as the MRC and the NIH developing vaccines and handing them over to the pharmaceutical industry for profit.

What we are seeing is an indifference to the physical wellbeing of the majority of the population – including the animals in our care. We are being betrayed by bodies and individuals who put their ideologies above truth, their careers above human decency, and research grants and profits above life. Why else would they lie to us?

About the Author:

Catherine O'Driscoll is the author of *What Vets Don't Tell You About Vaccines* (1998, originally *Who Killed the Darling Buds of May?*, 1997, reviewed in NEXUS 4/04) and *Shock to the System* (2005). Based in Scotland, she has lectured on canine health around the world and her work has been featured in the TV documentary series *World in Action*. Her article "Pet Vaccination: An Institutionalised Crime" was published in NEXUS 12/06.

<http://www.canine-health-concern.org.uk> and <http://www.petwelfarealliance.org>

20.2 PLAGUE - Vaccines and Retroviruses: A Whistleblower Reveals What the Government is Hiding

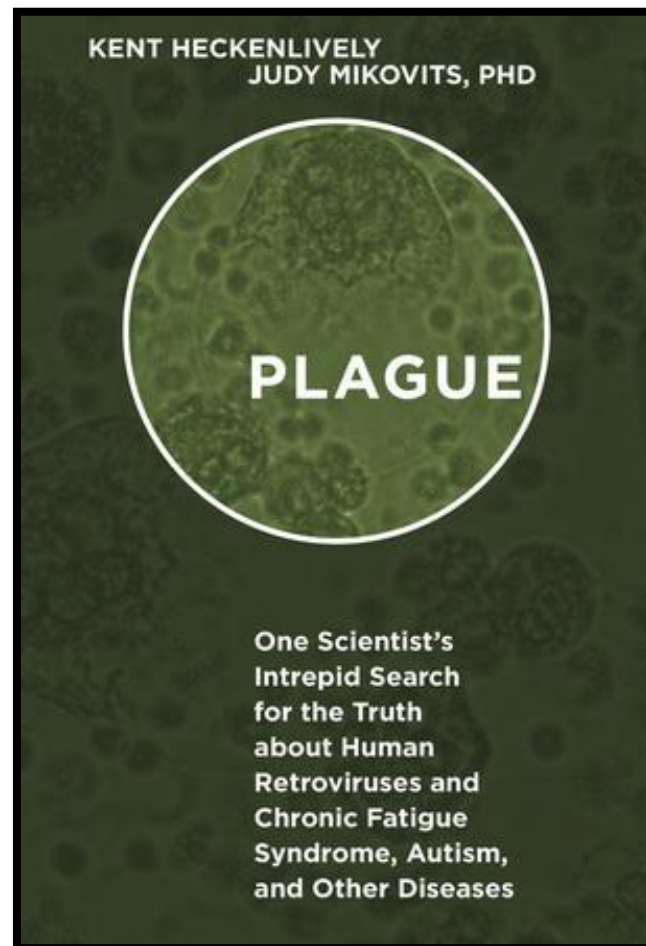
*Note: It appears from the book "Plague" that mandatory vaccines have been on the government agenda prior to COVID-19, key extracts: "...If you have never heard about the retrovirus problem, then you can thank the CDC, NIH, FDA, and other government agencies for covering up the problem since it was first reported to them in 1991 by American immunologist Elaine DeFreitas. They did not want to alarm you. They didn't want to induce a panic, or a rebellion against the use of vaccines. They didn't want to send shock waves through the conventional medical care system and the pharmaceutical industry that would threaten their profits. They didn't want to risk a public panic among people needing blood transfusions. **They didn't want to disturb the resolve of Big Pharma and political leaders working to pass mandatory vaccination laws.** They didn't want to interfere with the **full implementation of genetically engineered crops.** They didn't want to lay the groundwork for numerous class action lawsuits from people who were harmed or who will be harmed in the next 20 to 30 years as the retroviruses continue to multiply in the bodies of infected persons. Ultimately, government leaders didn't want us to be able to make informed decisions regarding the true risks associated with certain therapies – they preferred to keep us all in the dark. They just wanted to cover up the whole mess and act as if it never happened – but it did happen, and **millions of Americans are now suffering from a plague of modern diseases that were once rare or non-existent.**...20 Million Americans Likely Infected with Retroviruses. Retrovirus exposure intensified in the 1970s as new vaccines and pharmaceutical products were developed. These retroviruses and related infectious agents are now associated with dozens of modern chronic illnesses – perhaps nearly all of them. In these diseases, infection leads to inflammation — and unresolved inflammation can lead to chronic disease. The list of diseases stretches from autism to cancer and from Chronic Fatigue Syndrome to Alzheimer's. The diseases cripple the development of the young, steal the productivity and enjoyment of life for adults, and provide a slow and withering death to the elderly....*

Data suggests that 6% of the U.S. population is harboring a retrovirus in their bodies that can develop into an acquired immune deficiency. This is not the well-known AIDS caused by HIV, but Acquired Immune Deficiency Syndrome (AIDS) associated with other retroviruses. These non-HIV retroviruses were unintentionally introduced into humans over the past 75 years. It began with trials of polio vaccines and yellow fever vaccines given in the early 1930s. This is when the first recorded cases of Chronic Fatigue Syndrome and autism appeared. It involved the use of laboratory mice to prepare vaccines for human use....Retroviruses are silent sleepers and can be designed to target populations.

...The retroviruses being discussed here do not directly cause diseases by themselves. A perfect storm of events need to come together to create acquired immune system deficiency (non-HIV AIDS). When conditions are right, the viruses create unrelenting inflammatory processes that disrupt the immune system. The perfect storm occurs when human DNA is disturbed by retroviruses, when there are co-infections, when there is severe shock or trauma, when hormones are dysregulated, when there are genetically modified organisms and glyphosate in the diet, when there are pesticides and other toxic substances in food and the environment, and when there are genetic susceptibilities. If some or all of these conditions occur together, then the immune system will be weakened to the point where the perfect storm occurs, and people become ill with some type of modern chronic disease. Not everyone who has retroviruses in their bodies will develop one of these diseases, but for those who experience a perfect storm the possibility is much greater. The risks increase with age as the immune system naturally weakens. How Did These Viruses Infect Millions Worldwide? These viruses were most likely introduced into humans through contaminated vaccines and biological products including GMOs, human blood products, the milk of cows, and human breast milk. These retroviruses can be passed between family members through body fluids. It is not unusual to find a family where everyone tests positive for a retrovirus, but only one person is experiencing a retrovirus-related illness. Symptom free carriers are common in human retroviral infections..."

Vaccines and Retroviruses: A Whistleblower Reveals What the Government is Hiding

Submitted by Austin Broer on Thu, 12/31/2015 - 15:56



by **John P. Thomas**
Health Impact News

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20 Million Americans Likely Infected with Retroviruses

Retrovirus exposure intensified in the 1970s as new vaccines and pharmaceutical products were developed. These retroviruses and related infectious agents are now associated with dozens of modern chronic illnesses – perhaps nearly all of them. In these diseases, infection leads to inflammation — and unresolved inflammation can lead to chronic disease.

The list of diseases stretches from autism to cancer and from Chronic Fatigue Syndrome to Alzheimer's. The diseases cripple the development of the young, steal the productivity and enjoyment of life for adults, and provide a slow and withering death to the elderly.

"An inefficient virus kills its host. A clever virus stays with it." James Lovelock

The retroviruses being discussed are very clever and very stealthy. They can infect a person and stay with them for their entire lifetime. Sometimes they shorten life substantially. But, they are just as likely to bring a person to total disability and deny people the opportunity for a normal life.

Even though 20 million Americans are likely to be infected, not everyone will develop serious illness. **Retroviruses in the human body are like sleeping giants.** They are quiet until they are activated in immune deficient people.

Once activated, they create diseases such as Myalgic Encephalomyelitis, also called Chronic Fatigue Syndrome (ME/CFS), Chronic Lyme's Disease, Chronic Lymphocytic Leukemia, autism spectrum disorder (ASD), numerous cancers, and a wide range of other autoimmune, neuroimmune, and central nervous system diseases. Please see reference number 2 at the end of this article for a comprehensive list of diseases.

Retroviruses can Promote A Perfect Storm of Illness

The retroviruses being discussed here do not directly cause diseases by themselves. A perfect storm of events need to come together to create acquired immune system deficiency (non-HIV AIDS). When conditions are right, the viruses create unrelenting **inflammatory** processes that **disrupt** the immune system.

The perfect storm occurs when **human DNA is disturbed by retroviruses**, when there are co-infections, when there is **severe shock or trauma**, when hormones are dysregulated, when there are genetically modified organisms and glyphosate in the diet, when there are pesticides and other toxic substances in food and the environment, and when there are genetic susceptibilities.

If some or all of these conditions occur together, then the immune system will be weakened to the point where the perfect storm occurs, and people become ill with some type of modern chronic disease.

Not everyone who has retroviruses in their bodies will develop one of these diseases, but for those who experience a perfect storm the possibility is much greater. The risks increase with age as the immune system naturally weakens.

How Did These Viruses Infect Millions Worldwide?

These viruses were most likely introduced into humans through **contaminated vaccines and biological products including GMOs, human blood products, the milk of cows, and human breast milk.** These retroviruses can be passed between family members through body fluids.

It is not unusual to find a family where everyone tests positive for a retrovirus, but only one person is experiencing a retrovirus-related illness. Symptom free carriers are common in human retroviral infections.

You Probably Haven't Heard Much about the Retrovirus Problem

If you have never heard about the retrovirus problem, then you can thank the CDC, NIH, FDA, and other government agencies for covering up the problem since it was first reported to them in 1991 by American immunologist Elaine DeFreitas. [3]

They did not want to alarm you. They didn't want to induce a panic, or a rebellion against the use of vaccines. They didn't want to send shock waves through the conventional medical care system and the pharmaceutical industry that would threaten their profits. They didn't want to risk a public panic among people needing blood transfusions. They didn't want to disturb the resolve of Big Pharma and political leaders working to pass mandatory vaccination laws. They didn't want to interfere with the full implementation of genetically engineered crops. They didn't want to lay the groundwork for numerous class action lawsuits from people who were harmed or who will be harmed in the next 20 to 30 years as the retroviruses continue to multiply in the bodies of infected persons.

Ultimately, government leaders didn't want us to be able to make informed decisions regarding the true risks associated with certain therapies – they preferred to keep us all in the dark. They just wanted to cover up the whole mess and act as if it never happened – but it did happen, and millions of Americans are now suffering from a plague of modern diseases that were once rare or non-existent.

My Sources for this Information



Judy A. Mikovits, PhD – **Image source.**

https://youtu.be/X6q_nWPaHfg

The information that I am sharing in this article came mostly from an interview I did with Judy A. Mikovits, Ph.D. and from the book, *Plague: One Scientist's Intrepid Search for the Truth about Human Retroviruses and Chronic Fatigue Syndrome (ME/CFS), Autism, and Other Diseases*, written by Kent Heckenlively, JD, and Dr. Mikovits.

My article will explain the history of retrovirus contamination and the government cover-up. It will provide an introduction to effective treatments for those who suffer with the illnesses mentioned above. It attempts to do what our government didn't have the political courage to do.

Retroviruses Escaped Safeguards Designed to Contain Them

Before I go any further, I need to tell you that safeguards most likely were implemented in December of 2014 to clean up retrovirus contaminated blood products and vaccines. The FDA approved technologies developed by the Cerus Corporation on that date that were specifically designed to solve these problems.

The problem was well understood by public health scientists and researchers for five years, but the problem was not made public until the FDA approved a solution. The press release from the Cerus Corporation describes some of the problems with the blood supply, and tells us about their new technologies. [4] Dr. Mikovits proved that this new technology is effective for inactivating these viruses in blood products, even though as you will soon read, she was viciously persecuted for bringing this problem to light.

PRESS RELEASE DETAILS: FDA APPROVES INTERCEPT BLOOD SYSTEM FOR PLASMA

This is good news for people who are choosing to take vaccines and for those who need to receive blood products. However, we must not forget the large number of people who were unknowingly infected by retroviruses over the past 20 or 30 years. The Cerus technology will not help them.

How did the Retrovirus Nightmare Begin?

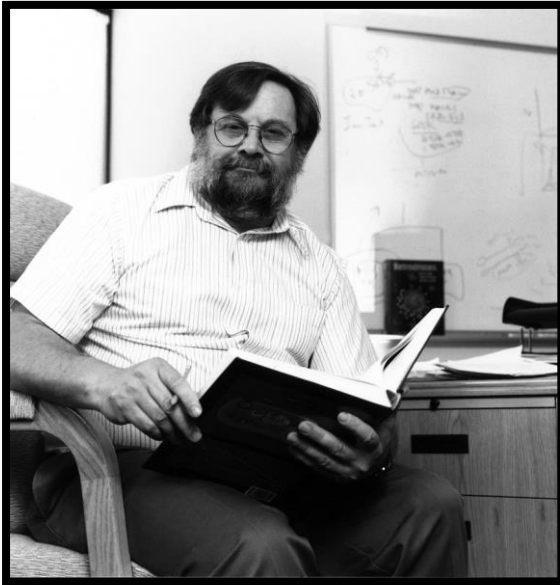
The most recent chapter of the story began in the 1970s. It took place in research laboratories throughout the world where scientists were doing research on diseases such as cancer and HIV/AIDS.

These were the same laboratories where they were manufacturing vaccines. These labs work with mice that are genetically engineered to have immune system deficiencies, which made them vulnerable to express certain diseases. In other words, their immune systems have been altered in such a way that they will get a certain disease when exposed to a certain pathogen or toxin.

Research activities involved injecting lab mice with human viruses to attenuate or weaken the viruses. Scientists routinely did these experiments with mice in the same laboratories where they were growing human cell lines. They believed that mouse viruses and human viruses would not interact, or travel from one part of the research facility to another.

In the past, scientists didn't worry about mouse virus contamination, because they believed that these viruses would not harm humans if they actually made their way into a human being. Scientists acknowledged the risks, but maintained the judgment that the benefits of vaccines outweighed the risks. The work of Dr. Mikovits and other scientists challenged their beliefs. They suggested the problem with mouse viruses was already out of control and the cost of the damage could destroy the economies of nations.

Other Doctors Who Warned about Retroviruses



Dr. John Coffin. **Image source.**

Dr. G. Stuart made the same warning in 1953, when he spoke to the World Health Organization. He was talking about the yellow fever vaccine at that time. He stated:

Two main objections to this vaccine have been voiced, because of the possibility that (i) the mouse brain employed in its preparation may be contaminated with a virus pathogenic for man although latent in mice ... Or may be the cause of a de-myelinating encephalomyelitis; (ii) the use, as an antigen, or a virus with enhanced neurotropic properties may be followed by serious reactions involving the central nervous system. [5]

In 1996, Dr. John Coffin, a leading expert on recombination in viruses, warned against transplanting cells from animals into humans to improve the functioning of the immune system of HIV-AIDS patients. He stated:

The infection is a virtually inevitable consequence of xenotransplantation and this is a very serious worry because the animals that have been chosen for doing this — the baboon and the pig — are both known to carry endogenous viruses, replication competent, but very poorly studied, that are capable of infecting human cells. [6]

Dr. Judy Mikovits and Other Scientists Discover Retroviruses now Present in 6% of Americans

Electron Micrograph of gamma retrovirus isolated from ME/CFS patients blood cells



Taken together, these data demonstrate the first direct isolation of infectious XMRV from humans and implicate a role for XMRV infection in the pathogenesis of CFS."

The original abstract of the *Science* article which was published on October, 8, 2009

Plague CH 11 p183

The long held judgement of the majority of the scientific community was proven wrong in 2009 by Dr. Judy Mikovits and other scientists who discovered that something unexpected and very harmful was happening in laboratories throughout America and the world. They discovered that a retrovirus called XMRV (xenotropic murine retrovirus) and other related retroviruses were now present in 6% of Americans and that this retrovirus was appearing in a very high percentage of people with diseases such as prostate cancer, Chronic Fatigue Syndrome, autism, Lou Gehrig’s Disease, treatment resistant Lyme’s Disease, and Parkinson’s Disease.

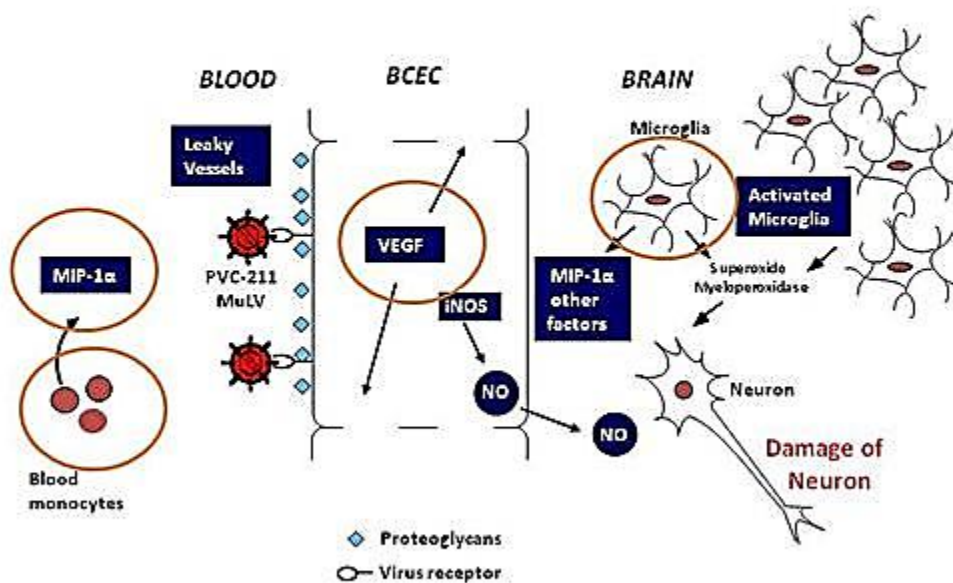
The term “xenotropic” indicates that the virus had a non-human origin and it is now able to live and multiply in humans. This retrovirus had an appearance that was similar to mouse virus, but it also had qualities of human virus. It was a chimera – like a mythical beast – part human and part mouse. It was accidentally created in laboratories when a naturally occurring mouse virus recombined with a human virus found in a prostate cancer culture.

This would be confirmed in 2011 by European researchers. Their 2011 article stated:

One of the most widely distributed biological products that frequently involved mouse tissue, at least up until recent years, is vaccines, especially vaccines against viruses ... It is possible that XMRV particles were present in virus stocks cultured in mouse cells for vaccine production, and that the virus was transferred to the human population by vaccination. [7]

Retroviruses Released into the Air and Escape Laboratories

Model for the Induction of Neurodegeneration by one strain of MLV in an animal model



these immune pathways see in ASD and Other Chronic neurological diseases

What scientists didn't realize was the way they managed their mouse colonies and managed the production of their human cell lines **created conditions in laboratories where viruses could unexpectedly mutate and recombine with one another**. Even more astounding was the fact that these retroviruses could easily reproduce themselves and travel through the air.

Up until 2009, scientists didn't know that retroviruses could be aerosolized. Retroviruses that were in mice were being released into the air and travelling through their facilities to other labs where human cell lines were being cultivated. Once there, they were able to infect human cultures. They became part of the cells and part of the products that were made from the activity of the cell lines, such as the antigens used in vaccines. The retroviruses also infected lab workers.

Government Cover-up and Lies

Thus far, I have provided some very basic information about retroviruses – where they came from and how they facilitate human disease — but there is much more to the story. We need to explore why the U.S. **government doesn't want you to know that many strains of retroviruses exist**, and why they don't want you to suspect that **they are making you sick**.

I recently spoke with Dr. Judy A. Mikovits, Ph.D., to gather her inside perspective about these questions. Dr. Mikovits has dedicated her life to being a research scientist in honor of her grandfather who died of cancer when she was a teenager. Dr. Mikovits earned her BA from University of Virginia and Ph.D. in Biochemistry and Molecular Biology from George Washington University.

In her 35-year quest to understand and discover **ways to treat chronic diseases**, she has studied immunology, natural products chemistry, epigenetics, virology and drug development. In just over twenty years she rose from an entry-level lab technician to become director of the lab of Antiviral Drug Mechanisms at the National Cancer Institute before leaving to direct the Cancer Biology program at EpiGenX Pharmaceuticals in Santa Barbara, California.

There in 2006, she became attracted to the plight of patients with Chronic Fatigue Syndrome and autism. In only five years she developed the first neuroimmune institute from a concept to a reality and is primarily responsible for demonstrating the relationship between immune-based inflammation and these diseases. She has published over 50 scientific papers. [9]

I asked Dr. Mikovits to summarize the retrovirus controversy and the government's effort to cover-up the existence of certain retroviruses. She stated it this way:

Evidence of retroviruses is found in 6% of the population – **20 million Americans**. They were introduced through the blood supply and vaccines into the human population. These viruses are associated with many diseases. So if you look at how they [our government] are going to fix that problem — they just approved Cerus to clean up the blood supply and they just approved their filtering technology to clean up the vaccines. They want you to believe that **gammaretroviruses** are all gone... [10]

Dr. Mikovits' Career Destroyed for Telling the Truth

Dr. Mikovits is not just one of the leading scientists in the area of retrovirus related illness, she stands at the center of a scientific controversy and political battle that has ended her career as a **government-funded research scientist**.

She spoke the truth about the **fraudulent** use of government research money, the marketing of inaccurate retrovirus tests, Medicare fraud, the contaminated blood supply, and the harm that is associated with vaccines and their schedule of administration. Her research showed how retroviruses are **linked to the plague of modern illnesses that are bankrupting the U.S. healthcare system**.

The result of her unwavering determination to stick to the truth of her research and to stand up against those who want to keep the truth hidden, resulted in her being taken to criminal court and civil court. She was **gagged for four years** by fabricated criminal charges in Nevada, and could not speak openly about retrovirus science or the government cover-up without risking further persecution/prosecution.

The Ugly Truth the Government Opposed – Attacks Begin

The unfolding of the saga began in the summer of 2009 when she attended a meeting of scientists from the **highest levels of the scientific community**. All the government agencies involved with matters of human health were represented. Leaders from various research institutes and universities were present. They were experts in the field of virology and disease prevention and treatment. (See the reference at the end of this article for the list of participants.) [11]

During the time allotted to Dr. Mikovits, she described the results of her most recent research that would soon be published in the esteemed journal, Science. She drew an association between the XMRV mouse retrovirus and Chronic Fatigue Syndrome.

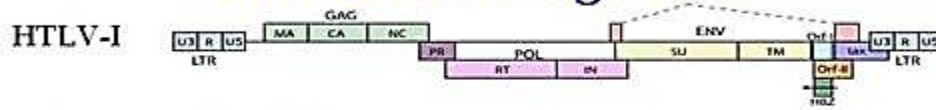
Two months later Dr. Mikovits and two other scientists presented evidence to the federal government that a **retrovirus might underlie autism** spectrum disorder.

When her article about gammaretroviruses and myalgic encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) was published in October of 2009, it did not trigger government health officials to explain it to the public. Instead of acclaim, a **vicious attack** was launched against the findings of the presence of retrovirus in patients who had ME/CFS.

The attack was largely led by the **psychiatric** industry. They strenuously objected to a viral association with Chronic Fatigue Syndrome. They believed that ME/CFS was a mental illness without a physical cause. They believed that talk therapy and psychiatric drugs were the only answer for those who were disabled by this retroviral disease. They held to their belief even when patients required oxygen to survive and rarely had the strength to leave their homes because of intense weakness and pain.

A Wake-up Call to the Retrovirus Problem

HTLV-I: Pathogenesis



Genus: Deltaretrovirus (complex)

Genome: Multiple spliced RNAs for regulatory and accessory proteins

Pathogenesis:

- Asymptomatic in majority of individuals
- 5-8% lifetime risk of developing types of disease:
 - Adult T cell leukemia
 - Clonal malignancy of CD4⁺ T cells.
 - Long latency; Immune deficiency
 - Tax and HBZ needed for transformation
 - Inflammatory syndromes
 - HTLV-I associated myelopathy/Tropical spastic paraparesis
 - Uveitis
 - Arthropathy

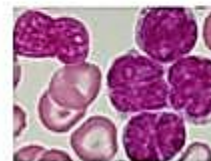


Image source.

At the 1st and only International Workshop on the XMRV retrovirus, held in September of 2010, Dr. Mikovits and a group of other scientist presented research that would become the basis for conducting an **international multi-center study** on XMRV retroviruses.

Among the research discussed at the meeting, was a study involving rhesus macaque monkeys that were exposed to XMRV. This was particularly valuable. It showed that the **XMRV retrovirus quickly disappeared from the blood stream after exposure** — presumably going into tissues. As with HIV/AIDS, immune stimulation caused the virus to reappear in the blood, where it could be detected again. The immune stimulant they used was an injection of **bolus peptides that mimicked a vaccination**. This provoked the virus and caused it to replicate to detectable levels, and presumably **cause disease**. [12]

Another study presented findings about infectious XMRV in the peripheral blood of children and their parents. The study contained 66 subjects: 37 parents and 29 children. 17 children had autism, a pair of twins had Niemann-Pick Type C (a neurodegenerative disorder), and 10 children were healthy siblings. The families lived in 11 different states. XMRV was detected in 55% of the people in the study. The age range of the infected children was 2 to 18 years. 17 of the children (including the twins) were positive for XMRV (58%) and 20 of the 37 parents (54%) were positive for XMRV. 14 of 17 autistic children were positive for XMRV (82%). They noted that autism Spectrum Disorder (ASD), ME/CFS, and childhood neuroimmune disorders share common clinical features. [13]

This was earth-shattering news for autism parents, because it supported the theory that their children might have been harboring an **undetected retrovirus** in their immune cells that could be **activated through vaccination**. The immune challenge of a vaccination could have offset the body's **delicate suppression** of the retrovirus, bringing it out of hiding. For other children, a simple **fever** could have begun the immune cascade that led to autism. [14]

During Dr. Mikovits' presentation, she described her research and the research of others. Her research team found that 67 percent of ME/CFS patients in her study showed evidence of XMRV, and other researchers found that 86.5% of ME/CFS patients had evidence of infection by a broader group of retroviruses that were also **linked to laboratory mice**.

Dr. Mikovits and her team found that 3.7 percent of a healthy population showed evidence of XMRV infection, while colleagues showed that 6.8 percent of a healthy control population showed evidence of infection by a wider group of murine leukemia viruses. This meant that eleven to twenty-one million individuals in the United States were potentially infected by a group of related viruses that came from mice. [15]

Dr. Mikovits detailed how they'd found XMRV in a subset of ME/CFS patients in England, and that there was a need to understand more about replication and pathogenesis. There was also a great need to develop tools for **screening and treatments**. In response to a question about research controls from Dr. Francis Collins, head of the National Institutes of Health, Dr. Mikovits indicated that 5% of control samples taken from the London Blood Bank were positive for XMRV. [16]

When all the data and all the findings from this conference were put together, it was easy to see that there was a serious problem with retroviruses in the general population of the United States and Europe. The blood supply was contaminated, families were infected, and a very high percentage of people with ME/CFS, autism, and other diseases also had XMRV and similar retroviruses. Many other people had these viruses, but most were not yet sick.

The Multi-Center Retrovirus Study

Based on these findings, Francis Collins, head of the National Institutes of Health, mandated a multi-center study that would be directed by Dr. Ian Lipkin, who was the **head of Columbia University's Institute of Infection and Immunity**. At that time, Lipkin had been acclaimed the "World's Most Celebrated Virus Hunter."

The Lipkin multi-center study would be a large scale study that on the surface would claim to investigate what was happening with ME/CFS and other neurological disorders in the United States. However, physicians were instructed to use an unusual set of criteria to exclude patients from the study. They excluded patients with evidence of infection with HIV, hepatitis B virus, hepatitis C virus, *Treponema pallidum* (tape worm), *Burgdorferi* (the Lyme disease spirochete), medical or psychiatric illness that might be associated with fatigue, abnormal serum characteristics, and thyroid disease.

The study excluded the exact groups of patients who were most likely to be infected with the retroviruses. It looked as if the study was designed to fail.

Dr. Mikovits Fired As Research Director

Dr. Mikovits was one of the researchers involved in the multi-center study that took place during 2010 and 2011. She continued her research until the late summer of 2011 when she was asked by the head of the institute that housed her lab to **approve fraudulent expenditures of federal research monies from her grant**.

She also became aware that the retrovirus test, which was being marketed and sold by the owner of the institute, produced inaccurate results. She spoke out about these problems and was fired from her position at the end of September of 2011. **Jailed without a Warrant or a Charge**.



News report on Dr. Mikovits' arrest. Photo courtesy [KRNV News 4](#)

Dr. Mikovits was **arrested 6 weeks later**, and held in jail for 5 days without the opportunity for bail as a **fugitive from justice**. Eventually she was charged with **stealing her own research notebooks**. These notebooks contained all of her recent research about **retroviruses**. On the day she was fired, she was **locked out** of her lab and offices while they were ransacked. They might have taken her notebooks, but a coworker understood what was going on and he temporarily secured Dr. Mikovits' notebooks as well as his own. A research scientist's notebooks are a precious possession. Their value is equal to his or her professional credibility and personal integrity. The notebooks of Dr. Mikovits are important, because they contained the **confidential names and addresses of every patient** that had been involved in her gammaretrovirus research. They contain proof of the existence of gammaretroviruses and their connection with ME/CFS that no one could deny. Gammaretroviruses are one of the retrovirus families that cause chronic illness.

I won't go into the details of the court proceedings. But **political corruption** in Nevada and in the U.S. scientific research community made sure that Dr. Judy Mikovits would be silenced and financially destroyed. **She and her husband lost everything**. They now live in a rental unit in Southern California.

Results of the Multi-Center Retrovirus Study

Instead of finding that 67 percent of patients with ME/CFS had evidence of retrovirus infection, as Dr. Mikovits found in her study, or finding that 86.5 percent of ME/CFS patients had mouse leukemia type retroviruses as others had found – the Lipkin study found no association with disease. The Lipkin multi-center study, however, did confirm that 6% of the U.S. population is carrying retrovirus infections whether they know it or not. This finding was very significant. The study confirmed the findings from more than two decades of research, which consistently presented evidence of retroviruses in 4-6% of the population. The Lipkin study confirmed that 20 million Americans are carrying retroviruses. [18]

They didn't find an association with disease, because they excluded the groups that were most likely to have the retrovirus.

This multimillion dollar study funded with U.S. tax dollars successfully covered up the relationship between retroviruses and chronic disease, but it was not able to obscure the existence of retroviruses in the general population.

They didn't want to find an association with disease, because the government, Big Pharma, health insurance companies, and the conventional medical system did not want the truth to be revealed. The costs would be staggering if it became public knowledge that the healthcare system itself had infected 20 million people with a virus that was causing chronic illness, disability, suffering, and death.

Destruction of Dr. Mikovits' Work and Career

The publicizing of her unlawful arrest in the journal *Science*, which even included her mugshot, seriously damaged her professional reputation. This was followed by an attack on Dr. Mikovits' previously published work. Her 2009 article about gammaretroviruses was formally retracted by the editors of the journal that published it because she dared show evidence how retroviruses remained hidden from detection, just as her research had shown more than two decades earlier that **HIV could remain hidden from detection**.

Her career has been destroyed. No one will give her grant money for new research, because the government doesn't want to see any further research into any of the retroviruses that were created in laboratories and introduced into humans in vaccines, biological products, and food.

Dr. Mikovits Suffering but not Destroyed

As you might expect, Dr. Mikovits and her husband have experienced serious financial limitations during these years from the lack of employment income and the tremendous cost of legal fees. Dr. Mikovits has suffered, but her resolve has not been destroyed. She has been crushed economically, but her witness for the truth remains intact. Dr. Mikovits describes her situation this way:

Personally, we don't need much and we don't have much. There aren't many people who live a half block from the beach in the sunshine in a nice place. We are surviving, and [are ready] to do whatever it is the next thing that God wants us to do. So, I consider myself blessed. There were many dark days and I am sure there will be more dark days, but the story is not over and these viruses and diseases are not dead. [19]

Dr. Mikovits continues to conduct research. She doesn't need a lab to keep studying ME/CFS, autism, cancer and other diseases. She continues to provide consultations to patients with ME/CFS, to parents of autistic children, and to physicians who understand the truth of what her research revealed and are willing to act on it.

Dr. Mikovits and Dr. Jeffrey Bradstreet

Dr. Mikovits consulted with **Dr. Jeffrey Bradstreet, M.D.**, who was one of the leaders in the treatment of autistic children. Dr. Mikovits describes her interaction with Dr. Bradstreet in the spring of 2015, shortly before his death. She had shared her research with Dr. Bradstreet and he **had the courage to implement new treatments** for his patients based in part on it. Dr. Mikovits stated:

I feel in the deepest part of my soul **Jeff Bradstreet was suicided**. That is shot in the chest with his own gun and thrown into that river. I saw him within two weeks of his death. We were at the autismOne conference this year and we were high fiving it. He said, "We are so close to a cure for autism."

I felt like I was back. I was in a place where I was no longer totally gun shy. I was not ducking every time I walked through a door. I was able to take my hat off. [Her hats were part of the disguise she used to hide.] [20]

Dr. Mikovits and her husband were followed, harassed, and intimidated. Someone tried to give her a gun shortly after she was fired to "protect" herself. She refused to touch it, because she didn't want it to become a tool that someone might use to simulate her suicide as she strongly feels they did to Dr. Bradstreet and others.

Specific Questions Answered by Dr. Mikovits

I posed the following questions to Dr. Mikovits during my interview with her on December 14, 2015.

QUESTION: What would you want to tell people in America who have various **neurodegenerative diseases and cancers** that are associated with **retroviral** infection? What is your message for America concerning non-HIV AIDS?

The message is that there are a significant number of people who understand how to treat these diseases and they should understand that they are certainly not crazy and they are not imagining things. It's certainly **not genetic** and it is not their fault. The most important thing is that so many people blame themselves – "If I had never let them give my kid that shot." Don't go there, because we can fix it.

I won't ever give up. There are a lot of doctors around the world who are trusting us. They have seen the same things themselves and who are energized by our book and by the revelations [that have happened] since. We will keep on addressing the science.

These diseases are certainly not a death sentence. You don't have to suffer forever. We are not giving up. We can end your suffering, and your potential can be used!

Please don't kill yourself because it might seem like forever but we are not going to let it happen. I am not going to let the Lipkins of the world bury the people who were infected with retroviruses between 1975 and 2014. I am delighted that they are **cleaning up the blood supply and they are cleaning up the vaccines** but I am not willing to let the ones that got hurt die in vain, or have their families die. We care about all the families.

You have to try and realize that there is a bigger plan beyond you, and of course we all know there is a bigger plan beyond us, but it is hard to see sometimes in the insanity.

QUESTION: Please explain how the immune system functions in the presence of a retroviral infection and what has gone wrong when disease results?

The immune system's job is to clear pathogens. So, when the initial infection recedes, the immune system should put on the brakes so that you won't develop autoimmunity. Our immune system enables us to **distinguish self from non-self** — that is the whole goal. In cancer, the natural killer cells and cytotoxic T cells can't see the tumor any more. It is as if the tumor has a coat on and it is hiding from the immune system. So, the therapy is to teach the immune system to see the **virus infected cell or the cancer cell** [so it can do its job]. In those with diseases like ME/CFS and autism we are helping the immune system and other pathways regain their balance — their homeostasis.

That is what GcMAF does. It communicates with the macrophages. It's called macrophage activating factor, but in fact it is not really activating. It takes the amoeboid microglia — the bad guys — that are producing all the glutamate and inflammatory cytokines, and takes these microglia, and turns them back into ramified surveillance microglia. These are happy cells that are not producing all these toxic intermediates. [This means] GcMAF is actually a deactivating factor.

In the brain, the gammaretroviruses infect the capillary endothelial cells. They don't even infect the microglia. Those infected cells produce factors which activate the macrophages and put them into an angry over-active state. When GcMAF is given it turns the angry macrophage back into a happy quiescent macrophage. This clears the damage even though the infected cells were not cleared, because we didn't target the brain endothelial capillary cells. We just quiet everything down and the virus will either become latent or we will clear it from the body. This works as long as we don't have too many infected cells that crash the entire system, as happens with HIV/AIDS. We learned that if HIV/AIDS patients get treated early enough before their immune systems are too badly damaged [they can have a normal life.]

QUESTION: In your book, *Plague*, you made the statement that as a Christian you felt that God had placed you in the middle of this controversy for a reason. Do you have any more thoughts about that at this point?

I believe in God, I trust in the promises of the Bible, and believe that there is justice from God. Thus, I don't care what anyone says, I know the truth and God knows the truth. Sometimes God places people in situations where you just simply obey. I don't pretend to understand. God did it for a reason and I trust that ultimately that is for good.

I had to see a lot of other things, and a lot of tough things about myself. This has been a very dark time, and you do question everything about your faith. I can't even comprehend the evil of some of what happened and continues to happen. But I try not to go there, I just trust God.

So as far as God goes, I am good with God. I know I am not dead yet and therefore I have a job to do. I have to keep living the horrors that I live every day. Those horrors are just seeing those sick people. I must never give up trying to help them. **I get to see the people who can't afford the antiretroviral drugs or any treatments** — people suffering alone in dark rooms. I get to talk with this young woman later today whose entire family is sick. I see this family and this woman who is sick-sick-sick and all someone has to do is try an antiretroviral drug or an immune modulator like GcMAF and maybe she can have a life. I see all that **potential wasted**, all the suffering. That's why **we wrote Plague**, in hopes of **ending the suffering**, not as I always thought I would in a laboratory but using the **voice stolen** from millions.

QUESTION: Do you do consulting work on an individual basis?

Yes — MAR Consulting, Inc. We post everything there. We don't charge fees. We do have contribution buttons. We put people together with doctors. We put people together with other people who have supplements or therapies that can help. We look at the patient's history. We look for the prime problem for each person, since the diseases are heterogeneous.

We put together our knowledge on supplements and therapeutics. If we can, we put them together with a doctor in their area who will work with us. We work with doctors. There are doctors that pay us just to talk with us about difficult cases. They ask us, what would you do in this case? There are patients that ask me to talk with their doctors. I can be busy 24/7.

MAR Consulting Inc.

FINAL QUESTION: What is the future for retroviral research?

The real big and sad part is that the field will die. If you don't fund it, it doesn't get done. Our government grants are policed from the beginning by the CDC, NIH, FDA and the various agencies to make sure that nobody says retrovirus. It seems like a case of David and Goliath, but I can sit here and say maybe with arrogance or simply with confidence, we know the truth and we are not going to give it up!

If you need more proof about the existence of retrovirus infection and non-HIV AIDS, and want more proof of government corruption in health research, I invite you to read the book, ***Plague***.

Treatment Options for Retroviruses

People with Chronic Fatigue Syndrome, autism, and the other non-HIV AIDS diseases have been successfully treated by physicians who step out of the box of conventional medicine and who are willing to take risks on behalf of their patients.

The risks to health care workers are real. Untimely death from unnatural sources is a real possibility. Persecution from medical peers and medical boards are real possibilities. However, it always must be kept in mind that there is evidence of retroviral infection in 20 million Americans. These people have a strong likelihood of developing some form of non-HIV AIDS, and that chance increases with every day they live.

Treatment is focused in two areas. Antiviral substances (natural supplements or pharmaceuticals) are used to reduce the viral population. Anti-inflammatory agents (natural substances or pharmaceuticals) are used to quiet the immune system and restore its normal functioning.

References

[1] *Plague: One Scientist's Intrepid Search for the Truth about Human Retroviruses and Chronic Fatigue Syndrome (ME/CFS), Autism, and Other Diseases*, Kent Heckenlively, JD and Judy A. Mikovits, PhD, Skyhorse Publishing, 2014, ISBN: 978-1-62636-565-0, Chapter Five, ME/CFS and autism in the Medical Literature.

[2] Retroviruses may be associated with the following diseases. This information was derived from my conversation with Dr. Mikovits and from her slides available from: "PRT 2013 Presentation," MAR Consulting Inc., retrieved 12/ 18/2015. <http://www.marconsultinginc.com/prt-2013-presentation.html>

Cancers : Prostate, Breast, Lymphoma, Chronic Lymphocytic Leukemia, Mantle Cell Lymphoma, Adult T-Cell Leukemia, Hairy Cell Leukemia, Liver, Bladder, Kidney, Pancreas, Colorectal, Ovarian, and Non-Hodgkin's Lymphoma.

Auto-Immune Diseases: Rheumatoid Arthritis, Lupus, Crohn's Disease, Peripheral Neuropathy, Primary Biliary Cirrhosis, Sjogren's Syndrome, Hashimoto's Thyroiditis, Polymyositis, and Bechet's Disease.

Neuro-Immune Diseases: Myalgic Encephalomyelitis or Chronic Fatigue Syndrome (ME/CFS), Multiple Sclerosis, Fibromyalgia, Gulf-War Syndrome, Morgellons Disease, treatment resistant Lyme disease, and idiopathic thrombocytopenic purpura (ITP).

Central Nervous System Diseases: Alzheimer's, Amyotrophic Lateral Sclerosis, multiple systems atrophy, autism, and Parkinson's.

[3] *Plague*, Foreword, page XVII.

[4] "FDA Approves INTERCEPT Blood System for Plasma," Press Release, Cerus Corporation, 12/16/2014. <http://www.cerus.com/Investors/Press-Releases/Press-Release-Details/2014/FDA-Approves-INTERCEPT-Blood-System-for-Plasma/default.aspx>

[5] *Plague*, page 67.

[6] "Xenotransplantation and Primates – Threats Masquerading as Cures," Dr. John Coffin, September 1, 1996. <http://www.idausa.org/ir/reports/aidsresearch.html>

[7] Antoinette Cornelia van der Kuyl, Marion Cornelissen, Ben Berkhout; "Of mice and men: on the origin of XMRV," *Frontiers in Microbiology*, January 2011. <http://journal.frontiersin.org/article/10.3389/fmicb.2010.00147/full>

[8] Adapted from: "Innate Immune Changes in the Peripheral Blood of Chronic Fatigue Syndrome Patients: Risk Factors for Disease Progression and Management," Deborah L. S. Goetz, Judy A. Mikovits, Jamie Deckoff-Jones, and Francis W. Ruscetti; Chapter VI, 2014 Nova Science Publishers, Inc. <http://www.marconsultinginc.com/nova-chapter.html>

[9] "Judy A. Mikovits, PhD," MAR Consulting Inc. <http://www.marconsultinginc.com/judy-a-mikovits-phd.html>

[10] Interview of Dr. Judy A. Mikovits, PhD, conducted by John P. Thomas by phone on 12/14/2015.

[11] *Plague*, page 116. "Twenty-two scientists attended the workshop, according to the summary, including many luminaries in the field. The meeting included representatives from the HIV Drug Resistance Program, Columbia University, Tufts University, the Cleveland Clinic, the Fred Hutchinson Cancer Research Center, the University of Utah, the Laboratory of Cellular Oncology (NCI), the Medical Oncology Branch (NCI), the Laboratory of Tumor Immunology and Biology (NCI), the Urologic Oncology Branch (NCI), the Division of Cancer Epidemiology & Genetics (NCI), the Laboratory of Experimental Immunology (NCI), the Laboratory of Cancer Prevention (NCI), the AIDS and Cancer Virus Program (Science Applications International Corporation—a Fortune 500 company with approximately 40,000 employees worldwide), the Centers for Disease Control and Prevention, and the Food and Drug Administration (FDA)."

[12] *Plague*, pages 237 and 270.

[13] *Plague* page 271.

[14] IBID.

[15] *Plague*, page 270.

[16] *Plague*, page 273.

[17] *Plague*, page 349.

[18] *Plague*, Chapters Twenty and Twenty-one.

[19] Interview of Dr. Judy A. Mikovits, PhD, conducted by John P. Thomas by phone on 12/14/2015.

20.2.1 Plague of Corruption Restoring Faith in the Promise of Science

This is an interesting statement from President Elect Trump in 2016 which frames the challenge:

'President-elect Trump has some doubts about the current vaccine policies and he has questions about it,' Kennedy told reporters Tuesday

'His opinion doesn't matter but the science does matter and we ought to be reading the science and we ought to be debating the science,' Kennedy added.

'And that everybody ought to be able to be assured that the vaccines that we have – he's very pro-vaccine, as am I – but they're as safe as they possibly can be.'

Kennedy last year said vaccines were causing a 'holocaust' among children – he later apologized for using the loaded term.

Kennedy's appointment marries vaccine skeptics on the left and right, notwithstanding the widespread scientific consensus on the benefit of vaccine use on a population.

Trump tweeted about vaccines in 2014: 'Healthy young child goes to doctor, gets pumped with massive shot of many vaccines, doesn't feel good and changes – AUTISM. Many such cases!' he wrote.

In another 2014 tweet, he wrote: 'Lots of autism and vaccine response. Stop these massive doses immediately. Go back to single, spread out shots! What do we have to lose.'

This book is by *Dr. Judy Mikovits and Kent Heckenlively, JD*. Foreward is by *Robert F. Kennedy Jr*.

Foreward: Moral courage and our common future

Robert F. Kennedy Jr

- "And yet, it moves!" Galileo whispered defiant words in 1615 as he left the Roman Inquisitions tribunal before which he repudiated his theory that the Earth – the immovable center of the Universe according to contemporary orthodoxy – revolves around the sun.
- Dr Judy Mikovits was among the most skilled scientists of her generation
- University of Virginia with a BA degree in Chemistry June 10, 1980. She is a protein chemist for the National Cancer Institute (NCI) working on life saving project of purify interferon
- The quality of her work and her reliable flashes of genius soon propelled her to the apex of the male dominated world of scientific research

NCI – 20 year collaboration with Dr. Frank Ruscetti, a pioneer in the field of human retro virology.

- Ruscetti headed up the lab of **Robert Gallo** in 1977
- Ruscetti made scientific history by codiscovering with Bernie Poiesz the **first human retrovirus, HTLV-1** (human T-cell leukaemia virus)
- Stealth virus like HIV
- Enters the host **without** alerting the immune system

X

- It may lie **dormant** for years without causing harm
- **Destroys** immune system before killing the person
- Ruscetti/Mikovits collaboration - understanding retrovirus behaviour
- Mikovitz award winning PhD thesis from George Washington University in **1991** changed the paradigm of HIV-AIDS treatment turning the disease from a death sentence into **manageable condition**
- The most daunting obstacle to Mikovits career advancement was scientific integrity
- **Integrity was placed ahead of personal ambition**
- Judy's family worked for government or law enforcement, believe in bedrock of American principles of hard work, respect for authority and telling the truth

She left National Institute of Health (NIH) and worked Upjohn

- Lead project to prove safety of **Bovine Growth Hormone**, she discovered the formula could cause **precancerous** changes in human cell cultures, she refused to hide her discoveries
- She suggested the BGH hormone in **milk** could lead to **breast cancer** in women
- Refused to back down

Departed Upjohn

Returned to NIH and graduate school

- Her fight against BGH led to Upjohn abandoning product

2009 – academia, Mikovits and Ruscetti still at NCI

- Discovered strong **association** between unknown **retrovirus and myalgic encephalomyelitis, chronic fatigue syndrome (ME/CFS)**
- Retrovirus linked to blood cancers
- **Xenotropic Murine Leukaemia Related Virus** (XMRV) first detected in DNA sequences in prostate cancer
- Medical community CFS **strikes mostly women** derided ME/CFS as "yuppie flu" and psychological fragility of career women

- Mikovits found evidence for **retrovirus in 67% of women afflicted with ME/CFS**, in a little less than 4% of the healthy population

XI

- 8/10/2009 Mikovits and Ruscetti **published** findings in journal *Science*
- First ever **isolation** of retrovirus XMRV association to ME/CFS
- Triggered **angry** response from **cancer power centres**, resistant to science that attributed cancer and neuroimmune disease to viruses
- Retrovirus found in mice, somehow **jumped into humans** via vaccines via contaminated vaccines
- **Troubled medical establishment** that many women with XMRV had children with **autism**
- Suspected that XMRV **passed from mother to child**, 14/17 children showed evidence of virus
- Parental **reports** of autistic regression following vaccinations
- **Linked XMRV to epidemics** in leukaemia, prostate cancer, autoimmune disease and explosion of Alzheimer's disease
- Widespread XMRV **contamination in the blood supply** and products.
- 3-8% carry XMRV virus and now part of human ecology
- **Passed** from mother to child in vitro through **breast milk**
- Data suggested that more than **10,000,000 Americans** harbouring the virus, time bomb
- Potential **threat greater** than HIV-AIDS epidemic
- January 2011, HIV-AIDS expert **Ben Berkhout** published explosive revelations in journal *Frontiers in Microbiology*. He included Mikovits evidence that **mice tissue** used in vaccine production was the likely **VECTOR** for human contamination.
- **Ken Heckenlively** published medical research showing the **first recorded outbreak of ME/CFS** among 198 doctors and nurses in Los Angeles County hospital in 1934-1935, following injection with experimental polio vaccine grown in mouse brain tissue.
- Mikovits' evidence **threatened financial catastrophe for the world's pharmaceutical companies** because of their negligent use of animal cell cultures to produce vaccines and other pharmaceutical products. Her findings put at risk billions of dollars of revenues from an entire branch of medicine called "biologics" which depends on animal tissues and products

XII

- Pharmaceutical companies and captive regulators unleashed furious broadside against Mikovits and Ruscetti besieging them from every stronghold
- Journal of Science pressed Mikovits to retract her October 2009 article
- September 2011 – **Whittemore Peterson Institute** at the university of Nevada, Reno, **fired** Judy from her faculty job
- Menacing looking men following in pickup trucks
- Under **surveillance**
- Burley thugs surrounded her home and forced her to flee in a boat
- They barged into her home, claiming to work for the government
- November, Ventura police arrested Judy without a warrant and held her for **5 days in jail** without bail
- Police searched house
- Searched friends house Lilly
- NIH officials told Nevada police that Dr Mikovits had **illegally taken her research notebooks** from their lab. This was a fabricated charge.
- Judy was a principal investigator on two government grants, it was her obligation to retain all of her research papers
- She left notebooks in the university office on September 29
- Same day **someone illegally burgled** her office and stole her notebooks
- They were then somehow planted in the closet of her home
- David found notebooks and took them to Ventura police.
- Judy's former boss told her husband and Dr Ruscetti that if she **just signed an apology admitting her paper was wrong** the police would **release her** from confinement and she could salvage her science career. Judy refused.
- No prosecutor had ever filed charges
- The **pharmaceutical cartel** and captive scientific journals launched a campaign of vilification against her
- The journal **Science** had celebrated her now the same journal published her **mug shot** and **retracted** her paper
- Judy **lost** federal grants
- She went **bankrupt** trying to find work and restore her good name
- **Scientific journals all controlled by Big Pharma** have refused to publish her papers
- **NIH medical libraries** locked her out
- Spent 100,000 dollars on **legal** fees

XIII

- She is unable to have her day in court
- US Attorney in Nevada kept her case “**under seal**” for years
- **Fraudulent acts of public health officials** at the highest levels of Health and Human Services (HHS) rendered her unemployable
- Persecution of scientists or doctors who **dare to challenge** contemporary orthodoxies
- Occupational hazard – Henrik Ibsen’s 1882 play “**An Enemy of the People**”, pitfall of scientific integrity
- **Doctor in Southern Norway** who discovers lucrative baths were sickening visitors. Discharges from the tanneries infected the spas with lethal bacteria. The doctor goes public and local merchant, government and their allies in the liberal minded independent press and other financially interested parties moved to **muzzle** him. The medical establishment pulls his medical license, the townsfolk vilify and **brand him** “an enemy of the people”.
- **Knee jerk revulsion** which interests greet new scientific evidence that contradicts an established scientific **paradigm**
- The plight of Ignaz Semmelweis, Hungarian physician inspired the term and Ibsen’s play. In 1847 Dr Semmelweis was assistant professor at Vienna’s General Hospital maternity clinic where around 10% of the women died from puerperal “birth bed” fever. Based on his pet theory that cleanliness could mitigate transmission of disease-causing “particles”. He introduced mandatory hand washing for internets. The rate of puerperal fever dropped from 10% to 1%
- The medical fraternity would not admit culpability and instead later tricked Dr. Semmelweis into visiting a mental institution in 1865 and had him committed against his will, he died mysteriously two weeks later
- A decade later Louis Pasteur’s germ theory and Joseph Lister’s work on hospital sanitation vindicated Semmelweis’s ideas

XIV

- Herbert Needleman of the University of Pittsburgh endured the **Semmelweis reflex** when he revealed the brain killing toxicity of lead in the 1980s.
- **Rachel Carson** ran the same gauntlet in the early 1960’s when she exposed the dangers of Monsanto’s DDT pesticide
- **President John F Kennedy** played a critical role in vindicating Carson’s. in 1962 he defied USDA, a captive agency in league with Monsanto and appointed a panel of independent scientists who validated every material assertion in Carson’s book Silent Spring.
- **Alice Stewart**, British physician offers a analogy of the Medical cartel’s lynching of Judy Mikovits. Alice was the youngest fellow elected to the Royal College of Physicians. She investigated high occurrence of childhood cancers in well-to-do families puzzling over a diseases often correlated with

poverty. She published a paper in the Lancet in 1956 offering strong evidence that the common practice of giving **X-rays to pregnant women** caused carcinomas and later afflicted their children.

- According Margaret Heffernan author of **Willful Blindness**, Stewart's finding flew in the face of conventional wisdom. A coalition of government regulators, nuclear promoters, and the nuclear industry joined the US and British medical establishments launched a brutal attack. She died in 2002 aged 95. It took **25 years** after her publication for the medical establishment to finally **acknowledge her findings** and abandon the practice of X-raying expectant mothers.
- Judy Mikovitz has been punished, exiled and ruined
- Dr Bernice Eddy award winning **virologist** and highest ranking female scientists in NIH history. She and Elizabeth Stewart were the first researchers to isolate the **Polymavirus – the first virus proven to cause cancer**
- 1954 NIH asked Eddy to direct testing of the Salk polio vaccine. She discovered while testing eighteen macaques that Salk's vaccine contained residual live polio virus that was paralysing monkeys
- Dr Eddie warned NIH bosses the vaccine was virulent, they dismissed her concerns. The distribution of that vaccine by Cutter Labs in California caused the worst polio outbreak in history. Health officials infected 200,000 people with live polio, 870,000 became sick, 200 children were paralyzed and 10 dead
- 1961 Eddie discovered that a cancer-causing monkey virus SV40 had contaminated ninety-eight million Salk polio vaccines.
- Injected SV40 virus into newborn hamsters and rodents sprouting tumours
- Instead of rewarding her for visionary work, NIH officials banned her from polio research
- NIH buried the alarming information and continued using the vaccines
- 1961 the New York Times reported that **Merck and Parke-Davis were withdrawing the Salk vaccines**, the article said nothing about cancer. Merck and Park-Davis **recalled** their polio vaccines in 1961, **NIH officials refused** to pursue a total recall of the rest of the supply, **fearing reputational injury** to the vaccine program if Americans learned that PHS had infected them with a cancer producing virus. As a result, **millions of unsuspecting Americans received carcinogenic vaccines** between 1961 and 1963. The Public Health Service then concealed that secret for 40 years.
- 98 million Americans **received shots potentially containing the cancer** producing virus which is now part of the human genome
- 1996 government **researchers identified SV-40 in 23% of blood specimens** and 45% of sperm specimens collected from healthy adults. 6% of the children born between 1980 and 1995 are infected. Public health officials gave millions of people the vaccine for years after they knew it was infected. They contaminated humanity with a monkey virus and refused to admit what they've done.
- Today SV-40 is used in research laboratories throughout the world because it is so reliably carcinogenic.

- Researchers use it to produce a **wide variety of bone and soft tissue cancers** including mesothelioma and brain tumours in animals
- Cancers exploded in the baby boom generation who received Salk and Sabin polio vaccines between 1955 and 1963
- Skin cancers are up by 70%, lymphoma, prostate by 66% and brain cancer by 34%.
- Prior to 1950 mesothelioma was rare in humans today doctors diagnose nearly 3,000 Americans with mesotheliomas every year, 60% of tumours were tested contained SV-40. SV-40 is in a wide range of deadly tumours including between 33%-90% of brain tumours...

XVIII

- NIH forbade Bernice Eddy from speaking publicly or attending scholarly conferences held up her papers, removed from vaccine research altogether and eventually destroyed her animals and took away access to her labs. Her treatment continues to mark an enduring scandal with the scientific community, yet NIH's Bernice Eddy playbook has become a standardised template for Federal vaccine regulators in their treatment of dissident vaccine scientists who seek to tell the truth about vaccines
- **Dr John Morris is a bacteriologist and virologist** who worked for 36 years at NIH and FDA beginning in 1940. He served as the chief vaccine officer for the Bureau of Biological Standards (BS) at the National Institute of Health and later FDA when BBS transferred to that agency in the 1970's. Dr Morris argued that the research carried out by his unit demonstrated there was no reliable proof that flu vaccines were effective in preventing influenza; in particular, he accused his supervisor of basing HHS's mass vaccination program for the swine flu primarily on a scientifically baseless fear campaign and on false claims made by pharmaceutical manufacturers. He warned that the vaccine was dangerous and could induce neurological injuries. His CDC superior warned Dr Morris "I would advise you not talk about this."
- **Vaccine recipients reported adverse reactions** including Guillain-Barre, Dr Morris disobeyed that order and went public. He declared that the flu vaccine was ineffective and potentially dangerous and said he could find no evidence that this swine flu was dangerous or that it would spread from human to human. In retaliation FDA officials confiscated his research materials, changed the locks on his laboratory, reassigned his lab staff, and blocked his efforts to publish his findings. The FDA assigned Dr Morris to a small room with no telephone. In 1976 HHS fired Dr Morris on the pretext that he failed to return library books on time.
- Subsequent events supported Dr Morris's scepticism about the swine flu shot. The 1976 swine flu vaccination program was so fraught with problems that the government discontinued inoculations after 49 million people had received the vaccine. Among vaccine's victims were 500 cases of Guillain-Barre, including 200 people paralyzed and 33 dead. Incidence of swine flu among vaccinated was 7 times greater than amount those unvaccinated.

- According to a New York Times obituary, **Dr Morris said “the producers of these (influenza) vaccines know they are worthless but they go on selling them anyway.** He told the Washington Post in 1979, “It’s a medical rip-off... I believe the public should have truthful information on the basis of which they can determine whether or not to take the vaccine” adding “I believe that given full information they won’t take the vaccine”.
- FDA used the same playbook in 2002 to **isolate, silence and drive** from government service its star epidemiologists. Dr. Bart Classen, when his massive epidemiologic studies, the largest ever performed, linked **Hib vaccines** to the juvenile diabetes epidemic. FDA ordered Dr. Classen to refrain publicly about the alarming outbreak, and eventually forced him out of government service.
- In 1995, the CDC hired a PhD computer analytics expert, Dr. Gary Goldman to perform the **largest-ever CDC funded study of the chickenpox vaccine.** Goldman’s results on an isolated population of **300,000 residents** of Antelope Valley, California showed that the vaccine waned, leading to **dangerous outbreaks** of chickenpox in adults and that 10 year old children who received the vaccine were getting shingles in over 3 times the rate of unvaccinated children. Shingles has **20 times the death rate** of chickenpox and causes blindness. CDC ordered Goldman to hide his findings and forbid him from publishing his data. In 2002, **Goldman resigned in protest. He sent a letter to his bosses saying that he was resigning because “I refuse to participate in research fraud.”**
- Recent medical history overflows with other examples of the brutal suppression of any science that exposes vaccines’ risk; its casualties include brilliant and compassionate doctors and scientists like Dr Waney Squier, the railroaded British gastroenterologist Andy Wakefield, the steadfast father/son research team David and Dr Mark Geier, and Italian biochemist Antoinetta Gatti. Any just society would have built statues to these visionaries and honoured them with laurels and leadership. Our **corrupt** medical officials have systematically disgraced and silenced them.

XIX

- Professor Peter Gotzsche cofounded the **Cochrane Collaboration** in 1993 to **remedy the overwhelming corruption of published science and scientists by pharmaceutical companies.** Over 30,000 of the **world’s leading scientists** joined Cochrane as volunteer reviewers hoping to restore independence and integrity to published science. Gotzsche was responsible for making Cochrane the world’s leading **independent** research institute. He also founded the Nordic Cochrane Center in 2003. On October 29, 2018 pharmaceutical interests, led by **Bill Gates**, finally succeeded in **ousting Professor Gotzsche.** A **stacked board** controlled by Gates fired Gotzsche from the Cochrane Collaboration after he published a **well founded criticism of the HPV vaccine.** In 2018, the **Danish government**, under pressure from pharma, **fired Peter Gotzsche** from Rigs Hospitalet in Copenhagen. His **findings** about the HPV vaccine **threatened** the pharmaceutical industry’s earnings.

- Science, at it's best is a search for existential truth. Sometimes, however, those truths threaten powerful economic paradigms. Both science and democracy rely on the free flow of accurate information. Greedy corporations and captive government regulators have consistently shown themselves willing to twist, distort, falsify and corrupt science, hide information, and censor open debate to protect personal power and corporate profits.
- Censorship is a fatal enemy of both democracy and public health.
- Dr Frank Ruscetti often quotes Valery Legasov, the courageous Russian physicist who braved censor, torture, and threats on his life by the KGB to reveal to the world the true cause of the Chernobyl disaster. "to be a scientist is to be naive. We are so focused on our search for truth, we fail to consider what few actually want us to find it. But it is always there, whether we can see it or not, whether we choose to or not. The truth doesn't care about our needs or our wants. It doesn't care about our governments, our ideologies, our religions. It will lie in wait for all time.
- This account by Judy Mikovits and Kent Heckenlively is vitally important both to the health of our children and the vitality of our democracy.
- My father (Robert F. Kennedy) believed in moral courage to be the rarest species of bravery. Rarer even than the physical courage of soldiers in battle or great intelligence. He thought it the one vital quality required to salvage the world.
- If we are to continue to enjoy democracy and protect our children from the forces that seek to commoditize humanity, then we need courageous scientists like Judy Mikovits who are willing to speak truth to power, even at terribly personal costs.

XXI

Judy Mikovits

- I never imagined I'd become one of the most controversial figures in the 21 century science. For me it was always about following the data and listening to patients. As scientists we're supposed to **solve problems and help humanity**. That's our mission, the very purpose to which we've dedicated our lives.
- How is it that chronic fatigue syndrome, autism, neurological diseases and even cancer have become so **controversial** that many in medicine **turn away from looking at the possible root causes** of their diseases?
- I don't know **why we can't all just put our heads together and figure this out**. Maybe some of my ideas are right and maybe some are wrong. Let's put all the ideas under the microscope and see what happens.
- When making breakthrough discoveries such as how to **develop AIDS drugs** to solve our world's greatest modern plague, the HIV-AIDS epidemic, it was never about glory or reputation. It was about changing people's lives. That is where I derive my greatest satisfaction.
- Working from 5 in the morning to 6pm at night.
- The police raided my house in mid November 2011 and held me in jail without bail for 5 days. I didn't murder anybody. I'm not the agent of a foreign power. IN fact, I was never even tried for a crime, the allegations vanishing like an early morning California fog. What do I think was my real crime?
Following the data and listening to the patients.
- We think the key to solving these questions really starts in 1934 in sunny Los Angeles.
- Most experts agree the first appearance of CFS in the United States occurred in Los Angeles between 1934 and 1935. The outbreak affected 198 doctors, nurses, medical technicians and other workers I Los Angeles County Hospital during a polio outbreak
- Oddly enough only hospital staff contracted CFS and the patients managed to avoid it. Doesn't that sound like a clue to you?
- The signs and symptoms were puzzling. The patients were easily fatigued upon the slightest exertion, had nausea, light sensitivity, loss of balance, episodes of paralysis followed by difficulty in lifting their limbs, breathing problems, headaches, shooting pains, and insomnia, in addition to difficulties with concentration and memory. The victims suffered from crushing depression followed by euphoria, spells of weeping for no apparent reason, and often showed violent manifestations of dislike for people or things they had previously liked. It was as if their bodies and brains had betrayed them.
- I entered the picture in May 2006 when I heard a lecture from a researcher who noted that long time suffers of CFS had elevated rates of vary rare types of cancer. It smelled like a virus to me, the same way HIV (human immunodeficiency virus) often kills its victims through the accompanying AIDS (acquired immunodeficiency syndrome) and the various cancers and other problems that their immune system could no longer handle.
- The HIV-AIDS epidemic which ravaged the planet in the 1980s and 1990s killing more than 35 million people by latest count, serves as an important counterpoint to the CFS epidemic, CFS seemed to explode in the 1980's starting with the outbreak in Lake Tahoe ion the California/Nevada border from 1984 to 1985. Striking first the teacher at a local high school, then moving into the more urban areas of San Francisco, Los Angeles and New York. From these locations it spread across the country. At that time, the dogma was HIV-AIDS only affected men, so CFS was often called non HIV-AIDS.
- HIV-AIDS killed its patients over the course of several years. CFS kept its victims alive, but in a state akin to hibernation. Friends and family members would often tell the patients they "looked great" and maybe just "needed to get out more" and try to "reduce their stress" Many of the same immune markers were abnormal in both groups, but the outcomes were very different. Those with CFS remained alive but often longed for the release of death/
- In science the first outbreak of a disease is usually closely examined for possible clues.

- The researcher asks, what factors do those with the disease share? I'm sure you've seen that same protocol followed in countless books, movies and television shows etc.
- The same thing happened initially with that first outbreak of CFS among hospital staff in Los Angeles in 1934-1935. The investigators who happened to be on hand when this new disease first emerged were Dr John R. Paul, a Yale Medical School professor and Dr Leslie Webster, a physician with the Rockefeller Institute of New York.
- In a book published in 1971 about the history of polio, Dr Paul devoted an entire chapter to this new disease, which came to be known as CFS but earlier was called myalgic encephalomyelitis (ME). ME literally means inflammation of the brain and spinal chord. People refer to this disease as chronic fatigue syndrome/Myalgic encephalomyelitis or CFS/ME/ Others think that it should be more accurately referred to as ME/CFS. Fatigue is a symptom of many diseases, and I think the use of this term has hindered science and marginalised the patients for four decades. The community of patients prefers the term ME/CFS, and I will use it in this book.
- Even decades later, Dr Paul seemed to be haunted by what he had seen during this first outbreak of ME/CFS and its possible origin. Had they missed something of critical importance Paul wrote:

Nonetheless the Los Angeles episode is a reminder that even those who believe themselves to be experts occasionally ride for a fall, although they may be extremely loathe to admit it, especially to their patients. It is some times the interest pill they have to swallow. The members of our team of investigators had somehow failed to recognise the treachery of the situation and had not emphasised sufficiently the possibility of a hysterical element or the intrusion of a polio like illness on the scene. As a weak excuse, it may be said that we had our hearts so set on isolating polio virus that we could think of little else.

I often find myself longing for the honest and self reflection of researchers like Dr. Paul, although I suspect he was also keeping a few secrets of his own. As I reflect on the controversy our work has generated, I wonder what Paul meant by "the treachery of the situation" How could the search for truth about a disease involve treachery? Surely a virus does not care what scientists discover about it. The question remains, what could science possibly be hiding? (XXIV)

Notes from the book:

Kent Heckenlively, the co-author of my previous book, PLAGUE and with whom I worked again on this book, found a possible answers.

Kent discovered published medical research indicating that the entire medical staff at the Los Angeles County General Hospital had received an early polio vaccine developed by Dr Maurice Brodie in collaboration with the Rockefeller Institute of New York. The polio virus was passed multiple time through mouse brain tissue. The use of muse tissue to grow viruses was new in the 1930s only previously having been used in the development of Yellow Fever vaccine. In addition, the medical staff was given an accompanying immune system booster, preserved with thimerosal, a mercury derivative.

Kent also uncovered the transcript of a lecture given by Dr G Stuart about the problems with the Yellow Fever Vaccine and its mouse components to a gathering of the World Health Organisation in 1953 in Uganda:

*The main objections to this vaccine have been voiced because of the possibility that (i) the mouse brains employed in its preparations may be **contaminated** with a virus pathogenic for man although latent in mice... or may be the cause of demyelinating encephalomyelitis; (ii) the use of antigen of a virus with enhanced neurotropic properties may be followed by serious reactions involving the central nervous system.*

I remind you that the scientific name for CFS is myalgic encephalomyelitis – "A virus with enhanced neurotropic properties" that could cause "serious reactions involving the central nervous system:?" Sounds like the plot of a terrifying science fiction movie.

But this was a presentation made to the World Health Organisation.

"is this how it could have happened?" Kent asked. "By using animal tissue to grow viruses they were picking up other viruses from those animals and injecting them into human beings as passengers in vaccines?"

I could only reply that it was a good question. I consider it acknowledge science that the passage of human viruses through different animal species such as mice, rabbits, dogs or monkeys often results in a less pathogenic virus, which might be used in a vaccine. However, the question of whether other animal viruses were hitching a ride in that biological material was less clear.

I asked my long time collaborator and mentor Dr Frank Ruscetti, what he thought of this question. He replied he'd asked the same question as a young researcher and been told that the human immune system was superior to any animal viruses that might hitch a ride along with the vaccine. He was also told by John Coffin, a few years older than Frank, in the tone of a know-it-all older brother, "don't bother to look for human retroviruses. They don't exist".

Frank said his first reaction was "that's preposterous" even from the start. John Coffin was a fountain of bad ideas and misguided advice. I would have my own fights with Coffin and share Frank's opinion.

Frank went on to discover the first known disease causing human retrovirus. HTLV-1 (human T-cell leukaemia virus), along with Robert Gallo and Bernie Poiesz, and the field of human retrovirology was born. Like most engineers of disaster throughout history, Coffin was "often wrong, but never in doubt".

...

In her book *Osler's Web*, detailing the course of the ME/CFS outbreak starting in the mid-1980s, journalist Hillary Johnson recounted how she had been told by a Canadian researcher that the 198 victims of the initial outbreak in Los Angeles of 1934-1935 had received a settlement of approximately six million dollars. This settlement was supposedly made somewhere around 1939.

Kent did some investigation as to who might have made such a payment in 1939, which in today's dollars would amount to more than a 100 million dollars. Who had that kind of money during the Great Depression? Kent suspected the Rockefeller Institute since they had partially funded the first use of mouse tissue for vaccines. He also found a curious pattern from their public financial reports. In 1935 the Rockefeller Foundation reported assets of over a 153 million dollars. But after 1939 it had shrunk to just over a 146 million dollars, a loss of more than 7 million dollars. Variations in the years before and after this period tended to be less than 50,000. This is circumstantial evidence, but it could potentially explain why there was so little scientific follow up in the medical literature for the initial victims of the Los Angeles outbreak.

20.2.2 Dr Judy Mikovits: PLANDEMIC Part 1 & Part 2

Note: The Committee is best to buy the book and watch the film and determine the truth of the matter. The fact she has been aggressively suppressed and jailed without charge is suspicious. She critiques Bill Gates and the danger of vaccines, which is why she is seen as threatening. Again, the profits to be made will move people to come into conflict because they see truth causing them a loss either financially or in respect of their reputation. The higher the stakes the more dangerous for the whistleblower. She clearly has concerns as she has brought out a book to expose corruption. Investigating this issue is in the public interest.

On the final day of submissions to the COVID-19 Committee I had a chance discussion with a woman in Officeworks who later sent me information about Judy Mikovits. How the universe works! I'd never heard of her. I was informed she was deleted from Facebook. I've watched her video and she seems credible but what she has to share is very disturbing. She is an eminent scientist who has been persecuted for her findings.

Don't you love theoretical democracy?

London Real has featured Judy Mikovits, introducing her as The Star Of Controversial Documentary - 'Plandemic'. **Judy Mikovits** is an American **activist**.

As research director of a CFS research organization **Whittemore Peterson Institute** (WPI) from 2006-2011, Mikovits led a research effort that reported in 2009 that a retrovirus known as xenotropic murine leukemia virus-related virus (XMRV) was associated with CFS and may have had a causal role.

In 1980, Mikovits was awarded a **Bachelor of Science** degree in **Chemistry** with a specialization in biology at the **University of Virginia**. After graduation, she went to the **National Cancer Institute** in Frederick, Maryland, where she developed purification methods for **Interferon alpha**.

Mikovits has gained attention on **social media** for promoting her ideas about the **2019–20 coronavirus pandemic**. She does not believe that a **vaccine** is needed to prevent **COVID-19**, and claims that the coronavirus was "caused by a bad strain of **flu vaccine** that was circulating between **2013** and **2015**". She also claimed masks will "activate" the virus and reinfect a mask-wearer over and over.

One such circulating video gained notoriety in May 2020. Titled **Plandemic Part 1**, the film is a half-hour long documentary-styled interview of Mikovits's perspective on the accusations thrown upon her by the **WPI**. **YouTube** has removed this video number of times, citing community guidelines.

This is a link to Plandemic – Part 1. I recognise some of the statements from the film in the transcript, not sure who produced the transcript below. It is better to watch the film. She has revelations about COVID-19 and assertions as to the origin of this virus.

This is the video link: <https://www.thetruthseeker.co.uk/?p=206825>

PLANDEMIC Part 1 (Dr. Judy Mikovits)

Note: She has made points about lowering the immune system through influenza vaccines, she indicates the beach is healing for the virus and that masks tend to re-infect the person who is breathing, hence the infection re-infects, I assume. She talks about natural bacteria and viruses as part of immunity. It should be noted that Dr Fauci stated there would be a pandemic: "...Dr Fauci talk at Georgetown University, 2017: The idea that we are now a few days a way from a new administration. Given that you have heard from the introduction and I have been around for a while and had the opportunity of serving in 5 adminstraiton I thought I would bring that perspective to the topic today which is pandemic preparedness. If there is one message that I want to leave with you today that there is no question that there will be a surprise outbreak. The thing we are extraordinary confident about is that we are going to see this in the next few years..."

This will be contentious definitely, but I remind the Committee we are in a democracy and contested ideas should be explored for truth. If they are valid then action has to be taken in the public interest. If they are not, then that becomes clear.

The challenge for the Australian government is its relationship with Biotech, High Tech and other business entities. Perhaps this experience with COVID-19 becomes a watershed for government to step back from industry. Similar to the Constitution there should be a separation of powers to ensure oversight. Refer Attachments the video Dr Judy Mikovits Plandemic HIV, human fetal tissues COVID19

Introduction from the film:

*Mickey Willis: Dr Judy Mikovits accomplished scientist of her generation. 1991 doctoral thesis revolutionised treatment HIV Aids. Height of her career blockbuster article **Journal Science** was controversial and sent shock waves it indicated the **common use of animal and foetal tissues unleashing devastating plagues of chronic diseases**. For exposing their deadly secrets the minions of big pharma waged war on her destroying her good name, career and personal life. Now as the fate of nations hang in the balance, Dr Mikovits is naming names behind the **Plague of Corruption** that places all human life in danger.*

You made a discovery conflicted with the agreed upon narrative?

Correct

*Mickey Willis: She was arrested, she was put under **gag order for 5 years** if she went on social media, said anything at all they would find new evidence and put me back in jail, it was one of the few times she cried:*

I cried. When you can unleash that kind of force to force someone into bankruptcy with a perfect credit score. So that I couldn't bring my 97 witnesses which included the heads **Tony Fauci, Ian Lipkin**, the heads of the public health and HHS and would have had to testify that we did absolutely nothing wrong.

What were you charged with?

Nothing. **Held in jail no charges**

No warrant. They literally dragged me out of the house. Our Neighbours are looking. Search without a warrant. Literally terrorised my husband for 5 days. They said if you don't find notebooks, find the material, which was not in my possession but planted in house

Mickey Willis: As if you took intellectual propriety from the laboratory?

It was intended to appear as if I took confidential materia names and intellectual property from the labatory and I could prove beyond a shadow of our a doubt that I didn't.

Heads of our entire Health and Human Servcies (HHS) colluded and destroyed my reputation

The Department of Justice and FBI sat on it and kept the case under seal which means **you can't say there is a case** or your lawyers are held in contempt of court, you can't get a lawyer to defend you so every single due process, right was taken away from me, to this day remains the same I have no constitutional freedoms or rights

*Mickey Willis: Yet you sit here, a lot of people would have taken retirement early laid low, you have decided to come forth when your gag order has been released to write a book called "**Plague of Corruption restoring faith in the Promise of Science**" you are naming names. Their attempt to silence you has failed, how do you sit here with confidence and call out these great forces and not fear for your life as you leave this building?*

Dr Mikovits: Because If we don't stop this we can forget our republic and freedom we can forget humanity because we will be killed by this agenda

Mickey Willis: Anthony Fauci the man who is heading the pandemic taskforce was involved in a cover up.

Dr Mikovits: He directed the cover up, everybody else was paid off, paid off big time millions of dollars in funding from Tony Fauci. Tony Fauci's organisation National Institute of Allergy and Infectious Disease (NIAID). These investigators who committed the fraud continue to this day to be paid big time by the NIAID.

Mickey Willis: The whole world is listening to his advice for how to handle this grand pandemic. How do we know what he is saying is what we need to be learning?

Dr Mikovits: What he is saying is absolute propaganda and the same sort of propaganda he has perpetrated to kill million since 1984.

It started really when I was 25 years old I was part of the team that isolated HIV from the saliva and blood of the patients from France where Luc Montaigner had originally isolated the virus. This was a confirmatory study but **Tony Fauci and Robert Gallo** were working together to **spin** the story in another way. Dr Rosetti was out of town. Tony Fauci says we understand you have a paper in press we want a copy of it. Yes there is a paper in press and it is confidential and **no** I will not give you a copy. He started **screaming** at me and said give us the paper right now or you will be **fired for insubordination**. I said I am sure when Dr Rosetti comes back you can have the conversation. Frank comes back several weeks later and he is really **bullied** into giving Fauci the paper. Fauci **holds up** the publication of the paper for several months while Robert Gallo **writes his own paper** and gets all the credit, and of course **patents** are involved, this delay of the confirmation **literally led to spreading the virus around killing millions**.

(commentator in film: no one expressed the anguish of Aids better than New York writer Larry Kramer. He was even more angry towards Federal Government and Pharmaceutical industry, one person who felt his fury was NIH Dr Anthony Fauci.)

Dr Mikovits: It s crushing to me to think I didn't know my work in 1999 was something that had been avoided from 1982-1983, the virus didn't have to wait until 1984 to be confirmed, think of how many people, **the entire continent of Africa lost a generation** in Africa HIV, that virus was spread through because of the **arrogance** of a group of people it includes **Robert Redfield** who is now the head of CDC, along with Tony Fauci. They were working together to **take credit and make money**, they had the patents on it and tailored them to IL2 therapy that was the wrong therapy. Had that not happened **millions wouldn't** have died from HIV

Mickey Willis: How can any person giving global advice for health hold a patent in the solution in the vaccine, shouldn't that be a conflict of interest or shouldn't it be?

Dr Mikovits: It is a **conflict of interest**, in fact this is one of the things I've been saying and would like to say to President Trump **Repeal the Bayh-Dole Act**

(footage and commentator from film) Vidol fundamental changed the way universities approached technology transfer, see that best in the statistics, universities obtained 16 times as many patents today as they did in 1980, Everybody is getting more patents, universities share of all patents is more than 5 times greater than Bayh-Dole, the situation has **got so bad** that one Information Technology industry official has publicly referred to **universities as "crack addicts"** driven by "small minded tech transfer officers addicted to patent royalties."

Dr Mikovits: That **Bayh-Dole Act** gave government workers the **right to patent their discoveries**, to claim intellectual property for discoveries that the **taxpayer paid for**. Every since that happened in the early 1980 it **destroyed science** and it allowed for the development of those conflicts of interests. This is the **crime** behind letting someone like Bill Gates with billions of dollars, nobody elected him he has no medical background or expertise but **we let people like that have a voice** in this country whilst we **destroy** the lives of millions of people.

(quote in footage of Bill Gates) Normalcy only returns when we largely vaccinated the global population

Mickey Willis: If we activate mandatory vaccines globally I imagine these people stand to make hundreds of billions of dollars that own the vaccines?

*Dr. Mikovits: They will **kill millions** as they already have with their vaccines. There is no vaccine currently on the schedule for any RNA virus that works.*

*Mickey Willis: I have to ask you are you **anti-vaccine**?*

Dr. Mikovits: Oh, absolutely not. In fact vaccine is **immune therapy**, just like interferon alpha is immune therapy, so I'm not antivaccine. My job is to develop immune therapies. That's what vaccines are.

*Mickey Willis: Do you believe that this virus [**SARS-CoV-2**] was created in the laboratory?*

Dr Mikovits: I wouldn't use the word created. But you **can't say 'naturally occurring'** if it was by way of the laboratory. **So it's very clear this virus was manipulated**. This family of viruses was **manipulated** and studied in a laboratory where the animals were taken into the laboratory, and this is what **was released, whether deliberate or not**. That cannot be naturally occurring. Somebody **didn't** go to a market, get a bat, the virus didn't jump directly to humans. That's not how it works. That's accelerated viral evolution. If it was a natural occurrence, it would take up to **800 years to occur**. This occurred within SARS-1 within a decade that is not naturally occurring.

Mickey Willis: And do you have any ideas of where this occurred?

- **Mikovits: Oh yeah, I'm sure it occurred between the North Carolina laboratories, Fort Detrick, the U.S. Army Medical Research Institute of Infectious Diseases, and the Wuhan laboratory.**

North Carolina Laboratories



Fort Detrick



U.S. Army Medical Research Institute of Infectious Diseases



Wuhan Institute of Virology



*Note: plausible deniability can be used when the virus is made else where and then released in China.
(film commentary)*

Dr Judy Mikovitz Plandemic HIV, human fetal tissues COVID19

REVEALED: U.S. government gave \$3.7million grant to Wuhan lab at center of coronavirus leak scrutiny that was performing experiments on bats from the caves where the disease is believed to have originated

- The US National Institutes of Health, a government agency, awarded a \$3.7million research grant to the Wuhan Institute of Virology
- The lab is the center of several conspiracy theories that suggest it is the original source of the coronavirus outbreak
- The institute experimented on bats from the source of the coronavirus
- They were captured more than 1,000 miles away in Yunnan
- Sequencing of the Covid-19 genome has traced it to bats to Yunnan's caves
- The U.S. government funded research on coronavirus transmission in the lab over the past decade
- [Learn more about how to help people impacted by COVID](#)

IN STOCK





(film commentary) "\$3.7 million dollars flowed from the National Institutes of Health here in the US to the Wuhan lab in China. The same lab where many people have said this coronavirus infectious first originated. We also now know that NIAID the Department associated with the National Institute of Health of which Dr Anthony Fauci is in control had been conducting experiments with the Wuhan in the past in regard to coronavirus. If Dr Anthony Fauci cannot be honest with the public about his connection to this lab then Fauci has to go."

Dr Mikovits: In 1999 I was working at Detrick in ... and my job was to teach Ebola how to infect human cells without killing them. Ebola couldn't infect human cells until we took into the laboratories and taught it.

Mickey Willis: It is hard to ignore the death tolls, people are dying and in quite alarming numbers. How do you reconcile that?



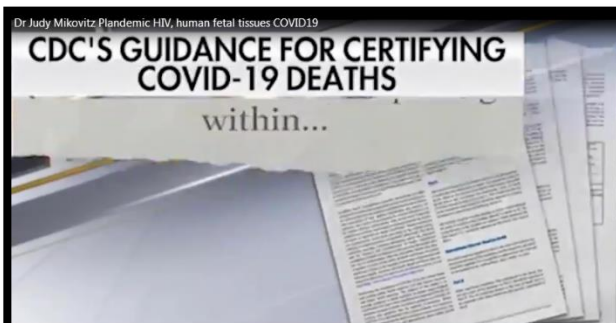
Dr Mikovits:

It is pretty easy when you see, for me, when you see what the government has done they took quoting Dr Birx's... (film left) "we have taken a liberal approach to mortality".

Dr Mikovits: If my husband was to die who has COPD, his lungs have fibrosis his lungs would look like COVID-19 theoretically, but he has no evidence of infection. So if you are **not testing** and don't have evidence of infection, and if you walked in there today **they'd call it COVID-19** and we hear this from the doctors and nurses that are upset.

Mickey Willis: I've seen so many doctors online that have made their own web cam videos just perplexed by the protocol that the CDC had given them.

(film commentary): Well last Friday I received a 7 page document that told me that if I had a 86 year old patient that had pneumonia but was never tested to COVID-19 but sometime after she had come down with pneumonia had been exposed to her son who had no symptoms but later on was identified with COVID-19 it would be appropriate to diagnose COVID-19.



CDC'S GUIDANCE FOR CERTIFYING COVID-19 DEATHS

"In cases where a definite diagnosis of COVID-19 cannot be made, but it is suspected or likely (e.g., the circumstances are compelling within...

CDC'S GUIDANCE FOR CERTIFYING COVID-19 DEATHS

...a reasonable degree of certainty), it is acceptable to report COVID-19 on a death certificate as "probable" or "presumed."



"when I am writing up my death report I am being pressured to add COVID why is that? Why are we being pressured to add COVID to maybe increase the numbers and make it look a little bit worse than it is? I think so.



(TV Interviewer): Why would they want to skew the number of deaths due to COVID-19?

Fear is a great way to control people and sometimes people's ability to think for themselves is paralysed if they are frightened enough. That is not what I want people to be. I want people to say we are going to get through this I am going to use my head I am going to go to different sources I am going to listen to different sources, and I am going to think for myself. That is what America is about.

Dr Deborah Bix: States "if someone dies with COVID-19 we are counting that as a COVID-19 death."

Dr Mikovits says "You don't die **with** an infection you die **FROM an infection**"

*Mickey Willis: I've talked to Doctors who have admitted to being **Incentivised** to list people who are sick or died with COVID-19...*

Dr Mikovits: Yeah \$13,000 from Medicare if you call it COVID-19

(film commentary): Right now Medicare is determined that if you have a COVID-19 admission to the hospital you will be paid \$13,000. If that COVID-19 patient goes on a ventilator you will get \$39,000 three times as much.

Dr Mikovits: Then you've killed them with the ventilator because you gave the wrong treatment.



(film commentary)

Doctor states:

"All the things that just don't make sense the patients I am seeing in front of me. The lungs I am trying to improve have led me to believe that we are operating under a medical paradigm that is untrue. I fear that this disguised treatment will lead to a tremendous amount of harm to a great number of people in a short"

Mickey Willis: My next question is about Italy. I want to know wWhy was Italy hit so high?

Dr Mikovits: Italy has a very old population, they are very sick with inflammatory disorders, they got at the beginning of 2019 an untested new form of influenza vaccine that had 4 different strains of influenza including the **highly pathogenic** H1N1. That vaccine was grown in a cell line a dog cell line, dogs have lots coronavirus, that is why they are not testing there. You could just say oh that was that.

(film commentary): As the country begins emerging from the worst of the coronavirus epidemic one question remains what happened to the hydroxychloroquine?



Doctor:

*"We know that hydroxychloroquine and zinc are working **great** for patients.*

And then Dr Fauci comes out and says there is no double blind control placebo study which by the way Dr Fauci is there going to be a double blind control placebo study for your vaccine, is there?"



In a survey polling nearly 2300 doctors in some 30 countries hydroxychloroquine was ranked as the most effective medication to treat the virus.



Dr Mikovits: The AMA was saying that doctors will lose their licence if they use Hydroxychloroquine the anti-malarial drug that has been on list of essential medicine worldwide for 70 years. Dr Fauci calls that anecdotal data. It is not storytelling if we have thousands of pages of data saying it is effective against these families of viruses and this is essential medicine and they keep it from the people, not only now but back in Autism with our discovery there was a 100 year old drug called Seramin (?) on WHO list of essential medicines, it literally gave kids a voice, a life. What did Bayer and Monsanto do they took it away, take away from everybody you couldn't get it to

save your life right now and we tried believe me in every way we could. When you take away a medicine not just the WHO the FDA, CDC, Tony Fauci close everything **just end it all and we have got a healthy world again**, we have tons of money we can take all that money they are making on their patents and we can give it to the victims of this plague of corruption.

Mickey Willis: Is it safe to say that anything that has not been patented has been shut down intentionally because there is no way to profit form it, these all natural remedies we have had forever?

Dr Mikovits: Absolutely that is fair to say and that is exactly what is going on in COVID-19. **The game is to prevent the therapies until everyone is infected**, and push vaccines knowing that the Flu vaccine increase the odds by 36% of getting COVID-19.

Mickey Willis: Where data come from?

Dr Mikovits: A publication last year where the **military vaccinated by influenza (shots) were more susceptible to coronaviruses**. Coronaviruses are in every animal so if you have ever had a flu vaccine you were injected with **coronavirus** and then put on a mask.

Influenza vaccination and respiratory virus interference among Department of Defense personnel during the 2017–2018 influenza season

Greg G. Wolff

Armed Forces Health Surveillance Branch Air Force Satellite, 2510 5th Street, Bldg 840, Wright-Patterson AFB, OH 45433, United States

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ABSTRACT

Purpose: Receiving influenza vaccination may increase the risk of other respiratory virus interference. Test-negative study designs are often utilized to estimate influenza vaccine effectiveness. The virus interference phenomenon goes against the test-negative vaccine effectiveness study that vaccination does not change the risk of other respiratory illness, thus potentially biasing vaccine effectiveness results. This study aimed to investigate virus interference by comparing respiratory virus infections among Department of Defense personnel based on their influenza vaccination status. Frequency of respiratory viruses and their association with influenza vaccination were examined.

(film)



1st Doctor: "This doesn't make any sense we wear a mask in a acute setting to protect us we are not wearing masks? Why is that? Because we understand microbiology and we understand immunology and we want strong immune system our immune system used to touching, we share bacteria stafflacocyl bacteria, viruses we develop an immune response daily to this stuff. When you take that away from me my immune system drops as I shelter in place **my immune system drops**. You keep me there for a month **it drops again**. Now I am at home hand washing, vigorously washing the counters worried about things that indeed what I need to survive."

2nd Doctor: "You are not immuno deficient and you are not elderly you should be able to go out with out any gloves and without a mask. I think if you are those things you should either shelter in place or wear a mask and gloves. **I don't think everybody needs to a mask or gloves because it reduces your bacterial flora** it doesn't allow you to interact with society and your bacteria, flora and your virus are your friends that protect you from other

diseases end up going away. Now you are more likely to *get opportunistic infections*, infections that are hoping you do not have your good bugs fighting for you. If that makes sense”

1st Doctor: "And as we all come out of shelter in place with a lower immune system and start trading viruses and bacteria what do you think is going to happen? Disease is going to spike.

2nd Doctor: "I guarantee when we re-open there will be a huge amount illness that is going to be rampant."

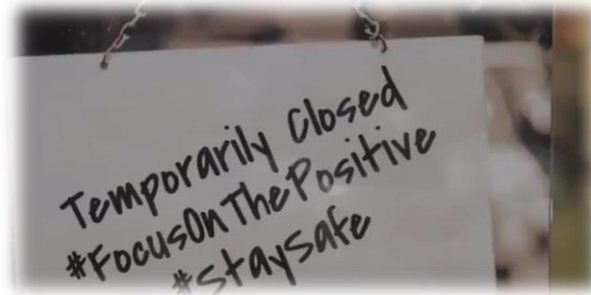
1st Doctor: "Building blocks of immune system is virus and bacteria. End of story."

Dr Mikovits: Wearing the mask literally activates your own viruse your getting sick form your own reactivated coronavirus expressions and if it happens to be SARS-COV-2 then you've got a big problem.

Mickey Willis: You are not the first virologist who have told me that we are doing the exact opposite of what we should be doing to contain and to create imunity from this virus.

Why would you close beach you've got sequences in the soil in the sand you have healing microbes in the ocean in the saltwater, that is insanity.





Note: Why close when there is a low risk?? #Staysafe, what if we are!!



Mickey Willis: These institutions that are polluting our environment and our bodies. There was a time when they had to fight their own battles. They have done such a great job at manipulating the masses. It is other people shutting down other citizens and the big tech platforms follow suit and they shut everything down. There is no dissenting voices allowed anymore in this free country. This is something I never thought I'd live to see.

Dr Mikovits: Nor would I except what I have experienced since 2011. It's beyond comprehension how society can be so fooled that the types of propaganda continue to wear they are driving us to hate each other.



Note: Mayo Clinic is funded by Bill & Melinda Gates Foundation.



Note:

Those responsible for COVID-19 plan want us to fight each other. They want us to feel helpless. To be confused. To be polarised. They want us to bring down the system so they can offer a new one (New World Order). When we wake up we will strengthen democracy and accountability (author of this submission)

Note: How easily we believe the media. The lady is sitting with a sign - too soon longer, be smart win!! (*too soon was deliberate propaganda*)

These are the words spoken that polarise:

(film) "You want to go to work and get this disease"

"Yes, the have been wrong so far maam..."

Dr Mikovits: Hopefully this is the wake up call to all America to realise that this makes no sense and we win because it will take down the whole program with information like this. For me it is great news that the doctors are waking up. Saying wait a minute.



*Doctor: "You doctors that are watching this, I see a lot of you right here, why don't you get loud I am defend you, I am here to defend my freedoms, I am here to defend my family's freedom, **my patients rights** to chose what to do with their life. I am blown away. I am blown away why there are not more doctors like me talking about this all over the place. **We need to be banding together right now, you need to wake up because your liberties are getting taken away** from you all because of fake news that is out here this is wrong they should be going to jail for this stuff.*

Dr Mikovits: So it is not the scientist that are dishonest they are listening to people who for more than 40 years who have controlled who gets funded and what gets funded. Many many people will take the money and the fame and support with things that absolutely aren't true.

Mickey Willis: What do you say to the medical professionals that are just beginning to get a glimpse of the depth to which they have been misled and steared away from their oath to do no harm.

Dr Mikovits: Forgive yourselves it is the hardest thing to realise for all of us, is that with all the best intention we studied we learned what we thought was the truth we had no idea that the data we were being told was true, was not true. We have been taught in our schools a very different science. You don't get funded if you don't speak the part line you don't get published. That was probably the hardest thing for me to take. To understand that scientific journals would twist the discovery that should have healed all.



*Will the scientific community have the courage to answer the question whether these disease might have been of their **own creation**.*

Thank you.

Dr Mikovits: So what we did pretty much since I got out of jail we started an education company. We wake up doctors. It is very difficult. Every doctor who realised they may have been part of the problem has turned around to marched towards a better society and restore faith in the promise of medicine. That is all we can do.

Mickey Willis: Well Dr Mikovits thank you so much for your time it has been a honour to sit with you and thank you for your courage.

Dr Mikovits: Thank you Mickey I appreciate it a lot.

(Film finishes with Dr. Anthony Fauci in 2017. Prediction or Plandemic?)



*Dr Fauci talk at **Georgetown University, 2017***

*"The idea that we are now a few days a way from a new administration. Given that you have heard from the introduction and I have been around for a while and had the opportunity of serving in 5 adminstraiton I thought I would bring that perspective to the topic today which is pandemic preparedness. If there is one message that I want to leave with you today that **there is no question that there will be a surprise outbreak**.*

*The thing we are **extraordinary confident about** is that we are going to **see this in the next few years**.*

Thank you

Author's note: It is evident from the research that CEPI was created in 2017, Dr Fauci made this announcement. Other interesting excerpts from this report around 2017.

- Back in February of 2017, Nature put out this story titled ["Inside the Chinese lab poised to study world's most dangerous pathogens Maximum-security biolab is part of plan to build network of BSL-4 facilities across China"](#). That research lab is in Wuhan, China. Just a coincidence this is all happening now?
- Vaccine Czar Slaoui is well-placed with regard to Moderna. After leaving GSK from 2017 until he joined the Trump Operation Warp Speed, Slaoui was on the **Moderna Board of Directors**. He also still holds [\\$10 million worth](#) of Moderna [stock options](#), options likely to soar in value as the Warp Speed zooms forward. This would suggest a glaring **conflict of interest** with Czar Slaoui, but that's only the start of this saga, where millions of lives are potentially at threat from a novel inadequately-tested or proven genetically edited vaccine. The focus by Fauci on Moderna's mRNA experimental COVID-19 vaccine while Slaoui was heading its development at Moderna is impressive to say the least. The company states that on April 16, Moderna got an award from US government agency BARDA for \$483 million to accelerate development of mRNA-1273. This award will fund the development of mRNA-1273 to FDA licensure and manufacturing process scale-up to enable large-scale production in 2020 for pandemic response. At that point the stock value of Slaoui's Moderna **stock options jumped 184%**.
- CEPI is the Coalition for Epidemic Preparedness Innovations. CEPI was [launched at Davos in 2017](#) by the governments of Norway and India, the **Bill & Melinda Gates Foundation**, the British-based Wellcome Trust global health "charity", and the World Economic Forum. Their [primary role](#) in relation to Covid-19 is the "development of platforms that can be used for rapid vaccine development against unknown pathogens"

To date, CEPI has secured financial support from the Bill & Melinda Gates Foundation, Wellcome Trust, the European Commission, and the governments of Australia, Belgium, Canada, Denmark, Ethiopia, Germany, Japan, Mexico, Norway and the United Kingdom. Additional investment from governments, the private sector and philanthropic foundations has also been provided to support our COVID-19 vaccine programmes (See section on CEPI's Resource Mobilisation efforts – Page 9 & 10).

(Source: Jane Halton, Chair, CEPI submission to COVID-19 Senate Hearing)

- Dr. Rajiv J. Shah, is on the AGRA board. Shah left his earlier position with the Gates Foundation and was named USAID director under Obama. USAID not surprisingly became a partner of AGRA. In 2017 Shah moved from USAID to be tapped as President of the Rockefeller Foundation. Small world. The same Rockefeller Foundation is deeply involved in the World Economic Forum Great Reset. Shah just released a Rockefeller report, Reset the Table: Meeting the Moment to Transform the US Food System. It is a precursor to a major global "reset" of the food system being prepared by the circles around Gats and Rockefeller and the UN. More on that [another time](#).
- **Gates hired the former UN Secretary General, Ghana's Kofi Annan**. Annan had just retired amid an Iraq oil-for-food corruption scandal at the UN involving his son. Annan was to be the front face, the chairman of AGRA. In reality the Gates Foundation ran things, with their guy, **Rajiv "Raj" Shah**, directing implementation of policies in African target countries. When initial attempts to **push Monsanto GMO seeds and pesticides on GMO-free African farmers met with great resistance**, they shifted instead to sell conventional but Monsanto-owned seeds along with costly chemical fertilizers and pesticides.
- Because in 2017, it was reported that **India had decided to cut some of its funding** ties with the foundation. See: [India cuts some funding ties with Gates Foundation on immunization](#). (GUINEA PIGS) In December 2012, in the small village of Gouro, Chad, Africa, situated on the edge of the Sahara Desert, five hundred children were **locked into their school and threatened that if they did not agree to being force-vaccinated with a meningitis A vaccine**, they would receive **no further education** (if they didn't do it!!). These children were vaccinated **without their parents' knowledge**. This vaccine was an unlicensed product still going through the third and fourth phases of testing.
- **Gates Commits Crimes Against the Children of India. (court)** Resource Centre for Women in India, filed a writ petition with the Supreme Court of India under Article 32 of The Constitution of India for Women. The petition was filed against: Drug Controller General of India; Indian Council of Medical Research (funded by Gates Foundation); State of Andhra Pradesh; State of Gujarat; PATH International (funded by Gates Foundation); GlaxoSmithKline Asia Private Limited; MSD Pharmaceuticals also known as Merck Private Limited.

- Sadly, by September of 2017, **MG Modern Ghana** reported that more than 500,000 young girls and women had become **infertile**, following the tetanus vaccine administered by the government in 2014 and 2015
- **Gates Globalist Vaccine Agenda: A Win-Win for Pharma and Mandatory Vaccination**
Promising his share of \$450 million of \$1.2 billion to eradicate polio, Gates took control of India's National Technical Advisory Group on Immunization (NTAGI), which mandated up to 50 doses (Table 1) of polio vaccines through overlapping immunization programs to children before the age of five. Indian doctors blame the Gates campaign for a devastating non-polio acute flaccid paralysis (NPAFP) epidemic that **paralyzed 490,000 children** beyond expected rates between 2000 and 2017. In 2017, the Indian government dialed back Gates' vaccine regimen and asked Gates and his vaccine policies to leave India. NPAFP rates dropped precipitously.
(WHO Polio caused by vaccine strain) In 2017, the World Health Organization (WHO) reluctantly admitted that the global explosion in polio is predominantly vaccine strain. The most frightening epidemics in Congo, Afghanistan, and the Philippines, are all linked to vaccines. In fact, by 2018, 70% of global polio cases were vaccine strain.
- A 2017 study (Morgenson et. al. 2017) showed that WHO's popular DTP vaccine is killing more African children than the diseases it prevents. DTP-vaccinated girls suffered 10x the death rate of children who had not yet received the vaccine. **WHO has refused to recall** the lethal vaccine, which it forces upon tens of millions of African children annually.
- **In 2017**, the Gates Foundation pledged another \$375 million for **'family planning'**, with the goal of providing contraception to 120 million women across the world, particularly in developing countries. This emphasis on blanketing developing countries with **artificial contraception** for which women aren't asking for reeks of social engineering and paternalistic eugenicist thinking.
- February 10th, 2017 – VAXXED The Movie Press Release: Despite Censorship by Paris Mayor Anne Hidalgo, Factions in European Parliament & U.K. Theatre, American Documentary Vaxxed: From Cover-up To Catastrophe Premieres in Europe
- **Are Immunity Passports and 'Vaccine Tattoos' Coming?**
ID2020: The **'ID2020 Summit'** was held at the United Nations headquarters in **New York in June 2017**.
- **Why do these 500+ medical doctors say the pandemic is a global Crime?** Millions Of COVID-19 Test Kits Sold In 2017 And 2018. As we know the new COVID-19 disease appeared in China towards the end of 2019. Therefore it was named COVID-19 which is an acronym for Corona Virus Disease 2019. Data from the World Integrated Trade Solution, however, shows something astonishing: **"in 2017 and 2018 – two years before COVID-19 – hundreds of millions of test kits for COVID-19 were distributed worldwide.... Note: the name was actually COVID-19. So pre-knowledge.**

20.2.3 Plandemic INDOCTORNATION WORLD PREMIERE⁵²

Note: As a citizen of this planet, it was very frustrating trying to download Plandemic 2 from Dr. Judy Mikovits website, bitchute and other hosting sites. It would start downloading then it would be terminated. I believe Silicon Valley was behind that. What they have to understand is when they block these video's they are creating a backlash against the big platforms as it appears deceptive. As it turns out this documentary is excellent and it is from an expert in the field who has produced a book "the Plague of Corruption" she is a very credible testimonial. In other articles it is evident she is a threat to Bill Gates, Dr Fauci and Big Pharma/Biotech. The power of concentrated wealth is the core issue where they control the data platforms such as Google and can block or redirect algorithms to hide important information. It is raising alarm bells across the world as it is not acceptable, particularly when libraries are closing down and going digital, schools are moving online which exposes the next generation to Tech company curriculums rather than sovereign/national curriculums. This is highly concerning as education is not about making money it is about evolving the species and expanding knowledge without a profit incentive. That is not to say that some commercial subjects shouldn't be there, that is fine, but the balance must be in the public interest.

6,189,337 views •

August 18, 2020

We did it.

The Digital Freedom Platform by London Real exclusively livestreamed what might be the most important documentary you will ever see: PLANDEMIC – INDOCTORNATION.

Created by the team behind the game-changing Plandemic video segment from Mikki Willis featuring Dr. Judy Mikovits that went viral and was banned on every major social media platform for exposing the truth about Covid-19, this new FEATURE LENGTH PIECE which is the most revelatory film on what is driving the vaccine agenda, the various roles of the WHO, Bill Gates, Tedros Adhanom, Anthony Fauci and more.

Going deep into what is really happening with mainstream media, Silicon Valley tech giants, big pharma and our health protection agencies, Mikki's new film finally connects the dots...

... And we are excited to be able to share this with you...

We believe that this film will fundamentally shift the discourse around Coronavirus, the lockdown and the vested interests involved.

Download clips (this worked!!!)

A number of clips from this groundbreaking interview are now available to download, share and repost. Spread the word and defend our human rights: grab these clips today!



⁵² <https://freedomplatform.tv/plandemic-indoctornation-world-premiere/>

1. The Event '201'
2. The Backstory Behind The Judy Mikovits Interview
3. Interview With David E. Martin "Turning Coronavirus From A Pathogen To Profit"
4. Where Did The Coronavirus Originate And How Was The Media Spread It
5. How Does Google And Other Silicon Valley Companies Control The Narrative
6. Should We Trust Our So Called 'Fact Checkers'
7. Power Hungry People Controlling The Narrative, The So Called 'Mocking Bird'
8. How The Media Targets Whistleblowers
9. The Out Break Of Coronavirus Was Predicted Long Before The '201 Event'
10. Leadership Is Compromised By Merits Of Influence Rather Than Qualities
11. Why We Will Never Be Able To Fix Our Medical Care System
12. Who Is Bill Gates And What Eruption Has He Caused
13. 'The National Childhood Vaccine Injury Act'
14. From Microsoft To Creating A Vaccine, How Is Gates Involved With Epstein
15. A Vaccine Or A Population Management Story
16. Stand Up To The Conspiring Parties To Reclaim Your Humanity!

20.2.4 Film Review on Plandemic II – Stuart Bramhall

Note: This is a review from Stuart Bramhall on "Plandemic Indoctrination" provides insights into a global agenda that is truly shocking revealing a high level conspiracy that is not a theory. Extracts include: "...One of the film's principal narrators is a Wall Street analyst who specializes in patent research. In 2003, he discovered the US patent office had granted coronavirus patents to various federal employees performing federally funded coronavirus research. Dr Fauci (of The National Institute of Allergy and Infectious Disease) was one, along with several CDC researchers.... Other valuable information presented in the film relates to Bill Gates' role (through the Bill and Melinda Gates Foundation) as the single largest funder of both the WHO and the CDC. Both agencies receive half their funding from private sources, both charitable organizations (like the Gates, Clinton and Epstein Foundations) and the pharmaceutical companies that manufacture vaccines..."

Posted on [August 21, 2020](#)



<https://stuartbramhall.wordpress.com/2020/08/21/plandemic-ii-film-review/>

Plandemic II

Directed by Mikki Willis (2020)

Film Review

This is an exceptionally well-made follow-the-money documentary. It's meticulously researched, and the filmmakers continually inform viewers of their source material. The film largely focuses on documented corruption in the World Health Organization (WHO) and various federal agencies.

One of the film's principal narrators is a **Wall Street analyst who specializes in patent research**. In 2003, he discovered the US patent office had **granted coronavirus patents** to various federal employees performing federally funded coronavirus research. Dr Fauci (of The National Institute of Allergy and Infectious Disease) was one, along with several CDC researchers.

In 1980, Congress passed the **Bayh-Dole Act**, which allows **federal employees to patent and privately profit** from federally funded research.

However what's most curious about these patents is that it's **illegal to patent nature**. This means these coronaviruses had to be **genetically modified** in some way to **qualify for patent protection**. When questions were raised about these patents in 2013, the National Institutes of Health ended coronavirus research funding and the Obama administration offshored US coronavirus research to Wuhan China.

When WHO first **declared** a coronavirus pandemic in March 2020, numerous scientists (including Luc Montaigner, who won a 2008 Nobel Prize for isolating the AIDS virus) came forward with additional evidence that **COVID19 was genetically manipulated for biological warfare purposes**. **Google, Facebook, and Wikipedia** all acted quickly to **prevent** this information from gaining traction on the Internet – Google by rigging their search algorithms, Facebook by either banning relevant posts or overshadowing them with **fact checking** messaging, and Wikileaks by allowing **political donors to edit compromising entries**.

Later research questioning the value of face masks and social distancing, which was initially at the top of most Google searches, also totally **disappeared** in their search engine.

Other **valuable information** presented in the film relates to **Bill Gates' role** (through the Bill and Melinda Gates Foundation) as the **single largest funder of both the WHO and the CDC**. Both agencies receive **half** their funding from private sources, both charitable organizations (like the **Gates, Clinton and Epstein Foundations**) and the **pharmaceutical companies** that manufacture vaccines

The film also looks **Event 201 in October 2019**, a rehearsal for the COVID19 lockdown, and a prior pandemic rehearsal in 2018. Although both Gates and Fauci **predicted** the COVID19 pandemic more than a **year** in advance, **neither used their immense wealth and prestige to ensure an adequate supply** of masks, gloves, visors and ventilators, to ensure safe, timely and effective treatment for all who needed it.

My favorite part of the film features Bill Gates testifying in the **antitrust** suit the Justice Department filed against Microsoft in 1998. It was largely as a result of this case that Gates stepped down as Microsoft CEO in 2000, shifting his focus to the Bill and Melinda Gates Foundation. His foundation significantly benefits Gates' **personal investment in vaccines production**. Gates, who calls his investment in vaccines "the best investment I ever made," credits them with a **20 to 1 return**.

*Foundation founded by the late pedophile Jeffrey Epstein.

Refer: Report 3 "Corruption" for a detailed overview and extracts from the film Indoctrination.

20.2.5 Film Review of Plandemic Indoctrination by Allan Weisbecker

<http://blog.banditobooks.com/plandemic-indoctrination-a-brief-review/>

'Plandemic; Indoctrination'; a Brief Review

by Allan Weisbecker on August 21, 2020 in Blog

After viewing *Plandemic; Indoctrination* two and half times (plus a lengthy interview with the director) I'm still very enthusiastic about it and do hope you all have been sharing the hell out of it. My only problem with it is they didn't cover the PCR testing issue, which, aside from the issue of Who Started It (more to come), is the single most important aspect of this black op.

As the producer/writer/director/editor of a full-length documentary, I do understand the need to 'keep it as short as possible without leaving out anything important', but in the case of the PCR issue, they probably should have saved screen time by nixing some of the Bill Gates bashing, which went on and on to the point of overkill, especially considering that so much of it was unrelated to the current crisis.

Addendum: Gates deserves all they point out, but... screen time is so precious! With *Water Time*, it killed me to have to cut the vaccine stuff I had in the first cut, but it was off-subject (who really killed my friend Donnie), and had to go.

Abstract

Background

Although the wearing of face masks in public has not been recommended for preventing influenza, these devices are often worn in many Asian countries during the influenza season. In Japan, it is thought that such behavior may be an indicator of other positive hygiene practices. The aim of this study, therefore, was to determine if wearing a face mask in public is associated with other positive hygiene practices and health behaviors among Japanese adults.

Methods

Although all the meta studies show that masks are useless and even harmful, I did some digging on my own.

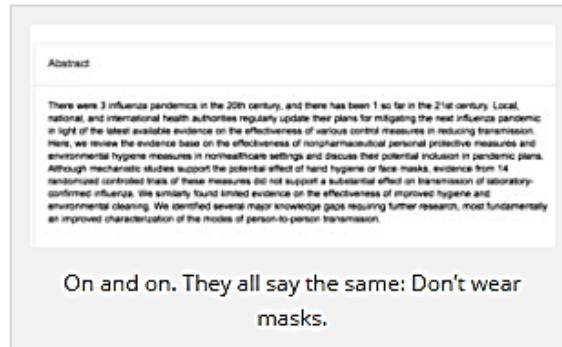
Experimental studies suggest that hand hygiene can reduce virus on the hands. However, there is insufficient scientific evidence from RCTs to support the efficacy of hand hygiene alone to reduce influenza transmission in influenza epidemics and pandemics. Hand hygiene is an important intervention to reduce the risk of other common infectious diseases; therefore, it should be recommended at all times, regardless of the lack of efficacy against confirmed influenza reported in a number of RCTs. There is also a lack of evidence for the effectiveness of improved respiratory etiquette and the use of face masks in community settings during influenza epidemics and pandemics; nevertheless, these NPIs may be conditionally recommended for ill persons because of other considerations (e.g. the high cost of face masks), and they are generally feasible and acceptable. It is likely that these personal interventions could be effective if implemented in combination.

The mask issue tell us one thing for sure: Our well-being is not of interest to the PTB.

I posted 20 minutes of the vaccine stuff separately on Youtube, and it remained up until this April, then was taken down for reasons of 'community guidelines,' which is significant: It was fine (or not noticed) by Youtube until they

pitched in with their disinformation/censorship campaign re the COVID black op, and decided to delete it. Thing is, most of my material was footage from Congressional hearings on vaccines. Irony or what?

So they could have cut 10 minutes of Gates stuff, plus given that the film is only 1 hour, twenty-four minutes, they had time to play with while avoiding ponderosity. As I say, the falsity of the PCR test (more to come) is vital and should have made it into the film. (I am *not* accusing anyone of limited hangout shenanigans!)



I suspect that the Who Started It issue was a bit too... touchy... a subject for a film that hoped to spill into the mainstream. Sort of like a 9/11 truth movie dealing with the evidence (lots and lots of it) that no jetliners/high jackers were used that day, notwithstanding the subject's direct relevance to Who Did 9/11, i.e., the media's vital role in 'the attacks.' Same thing here, no? In fact, in a post from way back on March 23 I supplied some of the evidence that the COVID black op was indeed a product of Western intel. Interestingly, the damning material I used was from globalresearch.ca and was scrubbed from the internet soon after I used it. What does that tell you? Anyway, I don't blame *Pandemic* for avoiding the issue; it would take a whole separate film to do the subject justice.

But why the big deal? Aside from just *knowing* who did this, the knowledge itself leads to deeper knowledge, such as What else is part of this black op? Like what? Like the whole Black Lives Matter (plus Antifa and so on) divide and conquer agenda that is so so obvious. Or the transparently phony 'Death of George Floyd' and the ensuing agent provocateured riots that followed. (Another very bad sign is the dearth of alt media coverage of these fabricated events.)

Really: Where have all the truth-tellers gone?

Nonpharmaceutical Measures for Pandemic Influenza in Nonhealthcare Settings—Personal Protective and Environmental Measures

Peggy Sheu¹, Eunice Y. C. Shiu¹, Huihui Guo, Jessica Y. Wong, Mirik W. Fong, Sathyan Ryo, and Benjamin C. Cowling¹

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Abstract

There were 2 influenza pandemics in the 20th century, and there has been 1 so far in the 21st century. Local, national, and international health authorities regularly update their plans for mitigating the next influenza pandemic in light of the latest available evidence on the effectiveness of various control measures in reducing transmission. Here, we review the evidence base on the effectiveness of nonpharmaceutical personal protective measures and environmental hygiene measures in nonhealthcare settings and discuss their potential inclusion in pandemic plans. Although mechanistic studies support the potential effect of hand hygiene or face masks, evidence from 14 randomized controlled trials of these measures did not support a substantial effect on transmission of laboratory-confirmed influenza. We similarly found limited evidence on the effectiveness of improved hygiene and environmental cleaning. We identified several major knowledge gaps requiring further research, most fundamentally an improved characterization of the modes of person-to-person transmission.

Really: Think about it. (Ooops. This one is a duplicate. Sorry.)

Okay. A couple links via Logan. This one from Pamela Popper, spills some more interesting beans re the uselessness (for us, i.e., the truth) of the PCR test in diagnosing COVID. Although this is nothing new, that it is *on the record* is vital, although we can count on the mainstream keeping a lid on it.

The other link is a video from Logan himself, from back in 2015. Give it a lo

and consider how exactly it fits with what we're going through *now*. All goes well, you can expect some contemporary vids from Logan; he's about as deep into this catastrophe as anyone. Hardly a day goes by when he doesn't open my eyes to something important.

Allan

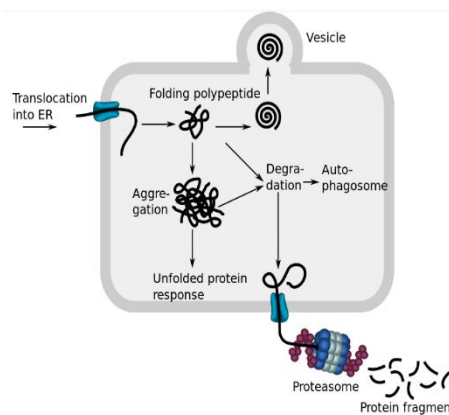
20.3 MERS is Next Pandemic: Will MERS Be Release in 2021?

In 2020 the Bill & Melinda Gates Foundation patented MERS – Middle Eastern Respiratory Syndrome. The evidence in the reports is pointing to the fact that SARS-COV-2 is lab created and is a bioweapon. The purpose of the bioweapon is to collapse economic systems. GAVI and CEPI and other vested interests are pushing for mandatory vaccines of the entire global population. If there is what they term “vaccine hesitancy” they could use methods of identifying more cases, which is suggested by experts including the inventor of RT-PCR testing is not to be used to identify viruses. The false testing could be used to lockdown a society or create hotspots to shutdown any activity that opposes the dominant narrative. If this was to occur it could be considered a form of coercion to uptake vaccines. These are not traditional vaccines they are DNA/RNA technologies that inhibit disease they do not cure or create long term immunity. They are experimental and have not had a long enough lead time to test for safety. There is concern by intelligence analysts that they may inject nanotechnologies into the human cell and change the DNA which could open up the human genome to becoming patented. This means they own every person on earth. This is no conspiracy theory. As the patent section makes clear they only need change the natural genome to render it different to have it patented. British Crown company Serco controls the US Patent Office and this could feasibly occur given the larger agenda alleged in the research of a New World Order. There is considerable narrative around Pandemic 2 or the next one and reasons why we are to prepare. The evidence suggests it will be a deliberate release with between 30-90% fatality rate.

Excerpts from Submission Reports

In the reports there is evidence that there is an expectation of not so much a next wave but another pandemic (new viral strain). Excerpts have been taken from the reports, as follows:

Refer COVID 19(84) Report:



The Ubiquitin system for protein degradation breaks down proteins governing almost all major functions of the cell, could well be a bioweapon if used to harm people. This project specifies US, UK and Israeli researchers, it is not open to the world scientific community. We are pleased to announce a call for international partnerships involving researchers from the UK, and US, China and/or Israel under the Ecology and Evolution of Infectious Diseases programme (EEID). The funders wish to encourage high quality, innovative research conducted by transdisciplinary teams of researchers on the ecological, evolutionary, and social drivers that influence the transmission dynamics of infectious diseases of animals, humans and plants.

The ubiquitin system for protein degradation, which regulates the breakdown of proteins governing almost all major functions of the cell. The Ubiquitin system for protein degradation breaks down proteins governing almost all major functions of the cell, could well be a bioweapon if used to harm people. Proteins are the building blocks of life, to degrade this molecule is to destroy life. It could wipe out our civilisation. I suspect that is the plan.

Corruption Report:

This statement is key: *"No! We cannot tolerate another lockdown!"*

Bill Gates announces: *"No problem! The vaccine is ready."*

The CDC and FDA say: *"We have approved the vaccine. Anyone who takes it will be given an immunity passport and allowed to return to work."*

As an added inducement, those taking the inoculation might be **excused from mask requirements**. The public now eagerly lines up for shots. They were already acclimated to the "new normals" of masks and social distancing during the first lockdown. It was one thing to stand outside a grocery store for an hour in April; who'd want that in January?

If the Deep State has its way, we would then also see all the other measures Gates and his cronies advocate: forced quarantines mandated by contact tracers; quantum-dot tattoos serving as vaccination proof; digital IDs; and a **"global rese" ushering in a cashless society**. (*Corruption report*)

Industry Report 2a

Contagion – Dr Lipkin

it seems to me to be increasing, on the order of every three to five years. So, I am hoping that people will carry forward the lessons of the wild animal markets, *data sharing* and improvements for platforms of vaccines so that **when the next one comes**, we'll be in better shape..."

World Bank Group

Looking ahead from this moment in 2020, it clear that supporting countries building back better means not only helping them reduce the multiple impacts of this crisis, but also **laying the foundations for dealing with the next one**.... To date, the World Bank Group's assistance to fight COVID-19 has now reached 100 developing countries in May 2020, the largest and fastest crisis response in the Group's history. By helping countries build back better, focusing on longer-term pathways, we are not only supporting our clients' efforts to reduce the multiple impacts of this crisis: we are also helping to **lay solid foundations for facing the next one**.

Naming the coronavirus disease (COVID-19) and the virus that causes it

Pandemic means worldwide and can be vaguely contrasted with epidemic which means local. SARS exists in 27 countries. **MERS** is limited to the Arabian Peninsula. SARS-2 is obviously all over the world, except for 4 tiny areas.

Existing Drugs to Treat COVID-19

Coronaviruses are an extensive group of viruses that infect a wide range of animals and humans. In humans, coronaviruses were first discovered as pathogens of a common cold. They were discovered back in the 1980s. in 2002, the world was shocked by an outbreak of severe coronavirus acute respiratory syndrome, SARS with a clinic of rapidly developing pneumonia, respiratory and renal failure. In 2015, the Middle East respiratory syndrome coronavirus MERS appeared in the Middle East, and the year 2019, "pleased" us with a new strain of coronavirus from Wuhan. The clinic of these coronavirus infections is somewhat remotely similar to the extremely severe variant of acute respiratory viral infection - ARVI.

The previous SARS and MERS viruses, although, they were dangerous, but not so infectious, were not so difficult to tolerate and they led to less amount of death.

World Economic Forum 2019 Event 201 Simulation

The world has seen a growing number of epidemics in recent years, with about 200 events annually including Ebola, Zika, **MERS** and SARS. At the same time, collective vulnerability to the social and economic impacts of infectious disease crises appears to be increasing. Experts suggest there is a growing likelihood of one of these events becoming a global threat – or an *"event 201" pandemic* – that would pose disruptions to health and society and cause average annual economic losses of 0.7% global GDP, similar in scale to climate change.

"We are in a **new era** of epidemic risk, where essential public-private cooperation remains challenged, despite *being necessary* to mitigate risk and impact" said Arnaud Bernaert, Head of Shaping the Future of Health and Health Care, World Economic Forum. "Now is the time to scale up cooperation between national governments, key international institutions and critical industries, to enhance global capacity for preparedness and response."

Jane Halton is the Chair of CEPI and on the government COVID-19 Coordination Commission and was a global leader for Event 201. This is a major conflict of interest and is pre-knowledge of alleged pandemic.

Anti-HIV Combination and Other Existing Drugs

Protease inhibitors are also being tested against a third coronavirus. **Saudi Arabia** now has a carefully designed study underway in which patients with *Middle East respiratory syndrome (MERS)* receive either the lopinavir/ritonavir combination plus interferon beta-1b, which boosts immune responses by unclear mechanisms, or a placebo. MERS is more distant on the family tree of coronaviruses from 2019-nCoV than SARS, however.

And in a mouse study led by **Ralph Baric of the University of North Carolina, Chapel Hill**, and published online in Nature Communications on 10 January, this drug cocktail had decidedly lackluster results. Baric explains that proteins in the human body bind 99% of these protease inhibitors, leaving little of them to fight viruses. "They're effective against HIV because it's so damn sensitive to the drug," Baric says. Coronaviruses, by comparison, are **insensitive**. "You cannot achieve a free level of drug in a human that will allow it to work."

Baric's study also tested interferon beta-1b with an experimental drug made by Gilead, remdesivir, that interferes with the viral polymerase enzyme. **MERS-infected mice** given this combination fared far better, with reduced viral replication and **improved lung function**. It might work against 2019-nCoV as well.

"Remdesivir has had activity against every coronavirus we've tested, and I'd be surprised if it didn't have activity against this one," says co-author Mark Denison, a virologist at Vanderbilt University who has studied coronaviruses since 1984. (Remdesivir was also tested against Ebola in the Democratic Republic of the Congo last year, but it didn't do nearly as well as two other treatments.)

But the researchers caution that the **mouse model only approximates MERS in humans**. And regardless of which drugs are used, they have a better chance of working if given soon after infection, Denison says. **"The challenge with SARS, MERS, this novel coronavirus,** and other viruses that cause severe pneumonia is the window of opportunity," he says. Remdesivir is good at **knocking down virus** levels in the body, Denison says, "but you have to get to patients early if you want to have significant impact on disease." Many people with respiratory infections only seek care when they develop severe symptoms, however, several days after they get sick"

... The ideal treatment for 2019-nCoV may well be a **drug like remdesivir** plus monoclonal antibodies, Denison says. "The idea of using those in combination would have profoundly good prospects."

Novavax

06/04/2020 – Novavax Awarded *Department of Defense Contract* for COVID-19 Vaccine

It appears there have been solutions:

Middle East respiratory syndrome (MERS)/Severe acute respiratory syndrome (SARS). In 2012, within weeks of obtaining the sequence of the **circulating MERS strain**, we successfully produced a vaccine candidate designed to provide protection. Our MERS candidate was based on the major surface spike protein, which we had previously identified as the antigen of choice in our work with our SARS vaccine candidate. In 2014, in collaboration with the University of Maryland, School of Medicine, we published results showing that our MERS and SARS vaccine candidates both **blocked** infection in laboratory studies. Although not in active development, our MERS and SARS vaccine candidates remain viable opportunities to develop independently or in conjunction with other coronavirus development activities.

Inovio Produces DNA Medicines**ARE INOVIO'S DNA VACCINES BEING USED FOR OTHER INFECTIOUS DISEASES?**

INOVIO has seven programs in clinical studies to address infectious diseases, including COVID-19, HIV, Zika, Ebola, Lassa fever, and **MERS** (both COVID-19 and MERS are caused by coronaviruses). These programs are all externally funded by global public health organizations, including the **Coalition for Epidemic Preparedness Innovations (CEPI)**, the **National Institutes of Health (NIH)**, the **Bill & Melinda Gates Foundation**, and the **International Vaccine Institute (IVI)**. For MERS, INOVIO's DNA vaccine INO-4700 is the *first* vaccine to progress to Phase 2 clinical trials. INOVIO also has the first-ever DNA-encoded monoclonal antibody (dMAb), which is in clinical trials targeting the Zika virus.

WHAT IS THE FOCUS OF INOVIO'S DNA MEDICINES PIPELINE?

INOVIO is leveraging its optimized **plasmid design and delivery technology** to develop DNA medicines to treat conditions and diseases associated with HPV, cancer, and infectious diseases. INOVIO's lead compound VGX-3100 is in Phase 3 development for precancerous cervical dysplasia caused by the high-risk HPV genotypes 16/18. VGX-3100 is the first medicine to show destruction/clearance of HPV 16/18 in a Phase 2b study.

Other INOVIO DNA medicines are being studied to treat recurrent respiratory papillomatosis (RRP), a rare, life-long, and potentially life-threatening disease in which tumors obstruct the airway; glioblastoma multiforme (GBM), an aggressive brain malignancy; and several infectious diseases, including COVID-19, **MERS**, Zika, Ebola and Lassa fever.

Why is Defence involved in Health?

For infectious diseases, INOVIO's DNA medicines are being developed with funding from leading government agencies and global public health organizations, including **CEPI and DARPA**, for COVID-19, HIV, Zika, Ebola, Lassa fever, and **MERS** (both COVID-19 and MERS are caused by coronaviruses). And, INOVIO is pioneering the first-ever dMAb plasmid in Phase 1 trials for Zika (INO-A002), in **partnership with the Bill & Melinda Gates Foundation**.

INFECTIOUS DISEASES (NON HPV-ASSOCIATED)

PENNAX-GP	HM	Gag, pol, env		NIH NIAID HIV VACCINE
INO-4201	Ebola	Glycoprotein		DARPA
INO-4700 (GLS-6300)	MERS	Spike		GENE CEPI
INO-4600 (GLS-6700)	Zika	Glycoprotein		GENE
INO-4500	Lassa Fever	Glycoprotein		CEPI
INO-4800	COVID-19 (Coronavirus)	Spike		CEPI BILL & MELINDA GATES FOUNDATION

Note: **DARPA** = US Defence Advanced Research Project Agency.

Note: CEPI's revealed that it would fund two pharmaceutical companies — Inovio Pharmaceuticals and Moderna Inc. — as well as **Australia's University of Queensland, which became a partner of CEPI early last year** (2019). Notably, the two pharmaceutical companies chosen have close ties to and/or strategic partnerships with DARPA and are developing vaccines that **controversially** involve genetic material and/or gene editing.

The University of Queensland has ties to DARPA, but those ties are not related to the university's biotechnology research, but instead **engineering and missile development**. ...The top funders of Inovio Pharmaceuticals include both **DARPA and the Pentagon's Defense Threat Reduction Agency (DTRA)** and the company has received millions in dollars in grants from DARPA, including a \$45 million grant to develop a vaccine for Ebola.

Inovio specializes in the creation of DNA immunotherapies and DNA vaccines, which contain **genetically engineered DNA** that causes the cells of the recipient to produce an antigen and can **permanently alter a person's DNA**. Inovio previously developed a DNA vaccine for the Zika virus, but — to date — **no DNA vaccine has been approved** for use in humans in the United States. Inovio was also recently awarded over \$8 million from the U.S. military to develop a small, portable intradermal device for delivering DNA vaccines jointly developed by Inovio and USAMRIID.

However, the **CEPI grant** to combat coronavirus may change that, as it specifically funds Inovio's efforts to continue developing its DNA vaccine for the **coronavirus that causes MERS**. Inovio's MERS vaccine program **began in 2018** in partnership with CEPI in a deal worth \$56 million. The vaccine currently under development uses "Inovio's DNA Medicines platform to deliver optimized synthetic antigenic genes into cells, where they are translated into protein antigens that activate an individual's immune system" and the program is partnered with **U.S. Army Medical Research Institute of Infectious Diseases** (USAMRIID) and the NIH, among others. That program is currently undergoing **testing** in the Middle East. Inovio's collaboration with the U.S. military in regards to DNA vaccines is nothing new, as their past efforts to develop a DNA vaccine for both Ebola and Marburg virus were also part of what Inovio's CEO Dr. Joseph Kim called its **"active biodefense program"** that has "garnered multiple grants from the Department of Defense, Defense Threat Reduction Agency (DTRA), National Institute of Allergy and Infectious Diseases (NIAID) [NB: Dr Fauci], and other government agencies." **CEPI's interest in increasing its support** to this MERS-specific program seems at **odds** with its claim that doing so will combat the current coronavirus outbreak, since MERS and the novel coronavirus in question are not analogous and treatments for certain coronaviruses have been shown to be ineffective against other strains. It is also worth noting that **Inovio Pharmaceuticals was the only company selected by CEPI** with **direct access to the Chinese pharmaceutical market** through its partnership with **China's ApolloBio Corp.**, which currently has an exclusive license to sell Inovio-made DNA immunotherapy products to Chinese customers.

Corruption Report**DARPA Coronavirus? Western Hands in the Wuhan Plague**

DARPA recently spent millions on research involving **bats and coronaviruses**, as well as gene editing “bioweapons” prior to the recent coronavirus outbreak. Now, “**strategic allies**” of the agency have been chosen to develop a genetic material-based vaccine to halt the potential epidemic.

(extracts on MERS)

In addition, while both **DARPA’s PREEMPT** program and the **Pentagon’s open interest in bats as bioweapons** were announced in 2018, the U.S. military — specifically the Department of Defense’s Cooperative Threat Reduction Program — began funding research **involving bats** and **deadly pathogens**, including the coronaviruses **MERS and SARS, a year prior in 2017**. One of those studies focused on “Bat-Borne Zoonotic Disease Emergence in Western Asia” and involved the Lugar Center in **Georgia**, identified by former Georgian government officials, the Russian government and independent, investigative journalist Dilyana Gaytandzhieva as a **covert U.S. bioweapons lab**.

It is also important to point out the fact that the U.S. military’s key laboratories involving the study of deadly pathogens, including coronaviruses, Ebola and others, was **suddenly shut down last July** after the Center for Disease Control and Prevention (CDC) identified major “biosafety lapses” at the facility.

The U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) facility at **Fort Detrick, Maryland** — the U.S. military’s lead laboratory for “**biological defense**” research since the late 1960s — was forced to halt all research it was conducting with a series of deadly pathogens after the CDC found that it lacked “sufficient systems in place to decontaminate wastewater” from its highest-security labs and **failure of staff to follow safety procedures**, among other lapses. The facility contains both level 3 and level 4 biosafety labs. While it is unknown if experiments involving coronaviruses were ongoing at the time⁵³, USAMRIID has recently been involved in research borne out of the Pentagon’s recent concern about the use of **bats as bioweapons**.

The decision to shut down USAMRIID garnered surprisingly little media coverage, as did the CDC’s surprising decision to allow the troubled facility to “partially resume” research late last November even though the facility was and is still not at “full operational capability.” The USAMRIID’s **problematic record of safety** at such facilities is of particular concern in light of the recent coronavirus outbreak in China. As this report will soon reveal, this is because USAMRIID has a decades-old and **close partnership with the University of Wuhan’s Institute of Medical Virology**, which is located in the epicenter of the current outbreak.

The Pentagon in Wuhan?

Beyond the U.S. military’s recent expenditures on and interest in the use of bats of bioweapons, it is also worth examining the recent studies the military has funded regarding bats and “novel coronaviruses,” such as that behind the recent outbreak, that have taken place within or in close proximity to China.

For instance, one study conducted in **Southern China** in 2018 resulted in the discovery of 89 new “novel bat coronavirus” strains that **use the same receptor** as the coronavirus known as Middle East Respiratory Syndrome (MERS). That study was **jointly funded** by the **Chinese government’s Ministry of Science and Technology, USAID** [Dr Fauci]— an organization long alleged to be a front for **U.S. intelligence**, and the U.S. National Institute of Health — which has **collaborated with both the CIA and the Pentagon** on infectious disease and **bioweapons** research

The authors of the study also sequenced the complete genomes for two of those strains and also noted that existing **MERS vaccines would be ineffective** in targeting these viruses, leading them to suggest that one should be developed in advance. This did not occur.

Another U.S. government-funded study that discovered still more new strains of “novel bat coronavirus” was published just last year. Titled “Discovery and Characterization of Novel Bat Coronavirus Lineages from

⁵³ Experiments were ongoing where issued grants and designated ‘voluntary’ refer Indoctrination (Corruption Report)

Kazakhstan,” focused on “the bat fauna of central Asia, which link China to eastern Europe” and the novel bat coronavirus lineages discovered during the study were found to be “**closely related to bat coronaviruses from China, France, Spain, and South Africa**, suggesting that co-circulation of coronaviruses is **common** in multiple bat species with overlapping geographical distributions.” In other words, the coronaviruses discovered in this study were identified in bat populations that migrate between China and Kazakhstan, among other countries, and is closely related to bat coronaviruses in several countries, including China.

The study was entirely funded by the U.S. Department of Defense, specifically the Defense Threat Reduction Agency (DTRA) as part of a project **investigating coronaviruses similar to MERS**, such as the aforementioned 2018 study. Yet, beyond the funding of this **2019 study**, the institutions involved in conducting this study are also worth noting given their own close ties to the U.S. military and government.

The study’s authors are affiliated with either the Kazakhstan-based Research Institute for Biological Safety Problems and/or **Duke University**. The Research Institute for Biological Safety Problems, though officially a part of **Kazakhstan’s National Center for Biotechnology**, has **received millions from the U.S. government**, most of it coming from the Pentagon’s Cooperative Threat Reduction Program. It is the Kazakhstan government’s official depository of “highly dangerous animal and bird infections, with a collection **of 278 pathogenic strains of 46 infectious diseases.**” It is part of a **network of Pentagon-funded “bioweapons labs” throughout the Central Asian** country, which borders both of the U.S.’ top rival states — China and Russia.

Duke University’s involvement with this study is also interesting given that **Duke is a key partner of DARPA’s** Pandemic Prevention Platform (P3) program, which officially aims “to dramatically **accelerate** discovery, integration, pre-clinical testing, and manufacturing of medical countermeasures against infectious diseases.”

The first step of the Duke/DARPA program involves the discovery of **potentially threatening viruses** and “develop[ing] methods to support viral propagation, so that virus can be used for downstream studies.” **Duke University is also jointly partnered with China’s Wuhan University**, which is based in the city where the current coronavirus outbreak began, which resulted in the opening of the China-based **Duke Kunshan University (DKU) in 2018**. Notably, China’s Wuhan University — in addition to its partnership with Duke — also includes a multi-lab Institute of Medical Virology that has worked closely with the US Army Medical Research Institute for Infectious Diseases since the 1980s, according to its website. As previously noted, the USAMRIID facility in the U.S. was shut down last July for failures to abide by biosafety and proper waste disposal procedures, but was allowed to partially resume some experiments late last November.

The Pentagon’s Dark History of Germ Warfare

The U.S. military has a troubling past of having used disease as a weapon during times of war. One example involved the U.S.’ use of germ warfare during the Korean War, when it targeted both North Korea and China by dropping diseased insects and voles carrying a variety of pathogens — including bubonic plague and hemorrhagic fever — from planes in the middle of the night. Despite the mountain of evidence and the testimony of U.S. soldiers involved in that program, the U.S. government and military **denied** the claims and ordered the destruction of relevant documentation.

In the post World War II era, other examples of U.S. research aimed at developing biological weapons have emerged, some of which have recently received media attention. One such example occurred this past July, when the U.S. House of Representatives demanded information from the U.S. military on its past efforts to **weaponize insects** and Lyme disease between 1950 and 1975.

The U.S. has claimed that it has not pursued **offensive biological weapons** since 1969 and this has been further supported by the **U.S.’ ratification of the Biological Weapons Convention (BWC)**, which went into effect in 1975. However, there is extensive evidence that the U.S. has continued to **covertly research and develop such weapons** in the years since, much of it conducted abroad and **outsourced to private companies**, yet still funded by the U.S. military. Several investigators, including Dilyana Gaytandzhieva, have documented how **the U.S. produces deadly viruses, bacteria and other toxins** at facilities outside of the U.S. — many of them in Eastern Europe, Africa and South Asia — in clear violation of the BWC.

Aside from the military's own research, the controversial neoconservative think tank, the now defunct **Project for a New American Century (PNAC)**, openly promoted the use of a race-specific genetically modified bioweapon as a "politically useful tool." In what is arguably the think tank's most controversial document, titled "Rebuilding America's Defenses," there are a few passages that openly discuss the utility of bioweapons, including the following sentences:

...combat likely will take place in new dimensions: in space, "cyber-space," and perhaps the world of microbes...advanced forms of biological warfare that can "target" specific genotypes may transform biological warfare from the realm of terror to a politically useful tool.

Though numerous members of PNAC were prominent in the **George W. Bush administration**, many of its more controversial members have again risen to political prominence in the **Trump administration**.

Several years after "Rebuilding America's Defenses" was published, the U.S. Air Force published a document entitled "**Biotechnology: Genetically Engineered Pathogens**," which contains the following passage:

The JASON group, composed of academic scientists, served as technical advisers to the U. S. government. Their study generated six broad classes of genetically engineered pathogens that could pose serious threats to society. These include but are not limited to binary biological weapons, designer genes, gene therapy as a weapon, stealth viruses, host-swapping diseases, and designer diseases.

Concerns about Pentagon experiments with biological weapons have garnered renewed media attention, particularly after it was revealed in 2017 that DARPA was the top funder of the controversial "gene drive" technology, which has the power to permanently alter the genetics of entire populations while targeting others for **extinction**. At least two of DARPA's studies using this controversial technology were classified and "focused on the potential **military application of gene drive technology and use of gene drives in agriculture**," according to media reports.

The revelation came after an organization called the **ETC Group** obtained over 1,000 emails on the military's interest in the technology as part of a Freedom of Information Act (FOIA) request. Co-director of the ETC Group Jim Thomas said that this technology may be used as a **biological weapon**:

"Gene drives are a powerful and dangerous new technology and potential biological weapons could have disastrous impacts on peace, food security and the environment, especially if misused, The fact that gene drive development is now being primarily funded and structured by the US military raises alarming questions about this entire field."

Though the exact motivation behind the military's interest in such technology is unknown, the Pentagon has been open about the fact that it is devoting much of its resources towards the containment of what it considers the two greatest threats to U.S. military hegemony: Russia and China. China has been cited as the greatest threat of the two by several Pentagon officials, including John Rood, the Pentagon's top adviser for defense policy, who described China as the greatest threat to "our way of life in the United States" at the **Aspen Security Forum** last July.

Since the Pentagon began "redesigning" its policies and research towards a "long war" with Russia and China, the Russian military has accused the U.S. military of harvesting DNA from Russians as part of a covert bioweapon program, a charge that the Pentagon has adamantly denied. Major General Igor Kirillov, the head of the Russian military's radiation, chemical and biological protection unit who made these claims, also asserted that the U.S. was developing such weapons in **close proximity** to Russian and Chinese borders.

China has also accused the U.S. military of harvesting DNA from Chinese citizens with ill intentions, such as when 200,000 Chinese farmers were used in **12 genetic experiments without informed consent**. Those experiments had been conducted by Harvard researchers as part of a U.S. government-funded project.

DARPA Coronavirus - Bat as bioweapon

As the ongoing coronavirus outbreak centered in China has spread to other countries and been blamed for a growing number of deaths, a consensus has emerged that this particular virus, currently classified as a "novel [i.e. new] coronavirus," is believed to have originated in bats and was transmitted to humans in

Wuhan, China via a seafood market that also traded exotic animals. So-called “wet” markets, like the one in Wuhan, were previously blamed for past deadly coronavirus outbreaks in China, such as the 2003 outbreak of Severe Acute Respiratory Syndrome (SARS).

In addition, one preliminary study on the coronavirus responsible for the current outbreak found that the receptor, Angiotensin-converting enzyme 2 (ACE2), is not only the same as that used by the SARS coronavirus, but that East Asians present a much higher ratio of lung cells that express that **receptor than the other ethnicities (Caucasian and African-American)** included in the study. However, such findings are preliminary and the sample size is too small to draw any definitive conclusions from that preliminary data.

Two years ago, media reports began discussing the **Pentagon’s sudden concern that bats could be used as biological weapons, particularly in spreading coronaviruses** and other deadly diseases. The Washington Post asserted that the Pentagon’s interest in investigating the potential use of bats to spread weaponized and deadly diseases was because of alleged Russian efforts to do the same. However, those claims regarding this Russian interest in using bats as bioweapons date back to the 1980s when the Soviet Union engaged in covert research involving the Marburg virus, research that did not even involve bats and which ended with the Soviet Union’s collapse in 1991.

Like much of the Pentagon’s controversial research programs, the bats as **bioweapons research** has been framed as defensive, despite the fact that **no imminent threat** involving bat-propagated bioweapons has been acknowledged. However, independent scientists have recently accused the Pentagon, particularly its research arm **DARPA**, of claiming to be engaged in research it says is “defensive” but is actually “**offensive**.”

The most recent example of this involved DARPA’s “**Insect Allies**” program, which officially “aims to protect the U.S. agricultural food supply by delivering protective genes to plants via insects, which are responsible for the transmission of most plant viruses” and to ensure “food security in the event of a major threat,” according to both DARPA and media reports.

However, a group of well-respected, **independent scientists** revealed in a scathing analysis of the program that, far from a “defensive” research project, the **Insect Allies program** was aimed at creating and delivering “**new class of biological weapon**.” The scientists, writing in the journal *Science* and led by Richard Guy Reeves, from the Max Planck Institute for Evolutionary Biology in Germany, warned that DARPA’s program — which uses insects as the vehicle for as horizontal environmental **genetic alteration agents** (HEGAAS) — revealed “an intention to develop a means of **delivery** of HEGAAs for offensive purposes (emphasis added).”

Whatever the real motivation behind the Pentagon’s sudden and recent concern about **bats** being used as a vehicle for bioweapons, the U.S. military has spent millions of dollars over the past several years funding research on bats, the deadly viruses they can harbor — including coronaviruses — and how those viruses are transmitted from bats to humans.

For instance, DARPA spent **\$10 million on one project in 2018** “to unravel the complex causes of bat-borne viruses that have recently made the jump to humans, causing concern among global health officials.” Another research project backed by both **DARPA and NIH** saw researchers at Colorado State University examine the coronavirus that causes **Middle East Respiratory Syndrome (MERS) in bats and camels** “to understand the role of these hosts in transmitting disease to humans.” Other U.S. military-funded studies, discussed in detail later in this report, discovered **several new strains** of novel coronaviruses carried by bats, both within China and in countries bordering China.

Many of these recent research projects are related to DARPA’s **Preventing Emerging Pathogenic Threats, or PREEMPT program**, which was officially announced in April 2018. PREEMPT focuses specifically on animal reservoirs of disease, specifically bats, and DARPA even noted in its press release in the program that it “is aware of biosafety and biosecurity sensitivities that could arise” due to the nature of the research.

DARPA’s announcement for PREEMPT came just a few months after the U.S. government decided to controversially **end a moratorium** on so-called “**gain-of-function**” studies involving dangerous pathogens. VICE News explained “gain-of-function” studies as follows:

Known as ‘gain-of-function’ studies, this type of research is ostensibly about trying to stay one step ahead of nature. By making super-viruses that are more pathogenic and easily transmissible, scientists are able to study the way these viruses may evolve and how genetic changes affect the way a virus interacts with

its host. Using this information, the scientists can try to pre-empt the natural emergence of these traits by developing antiviral medications that are capable of staving off a pandemic.

In addition, while both DARPA's PREEMPT program and the Pentagon's open interest in bats as bioweapons were announced in 2018, the U.S. military — specifically the Department of Defense's Cooperative Threat Reduction Program — began funding research involving bats and deadly pathogens, including the **coronaviruses MERS and SARS**, a year prior in 2017. One of those studies focused on "Bat-Borne Zoonotic Disease Emergence in Western Asia" and involved the **Lugar Center in Georgia**, identified by former Georgian government officials, the Russian government and independent, investigative journalist Dilyana Gaytandzhieva as a covert U.S. bioweapons lab. It is also important to point out the fact that the **U.S. military's key laboratories** involving the study of deadly pathogens, including coronaviruses, Ebola and others, was suddenly shut down last July after the Center for Disease Control and Prevention (CDC) identified major "biosafety lapses" at the facility.

DARPA and its partners chosen to develop coronavirus vaccine

Last Thursday, the **Coalition for Epidemic Preparedness Innovations (CEPI)** announced that it would fund three separate programs in order to promote the development of a vaccine for the new coronavirus responsible for the current outbreak.

CEPI — which describes itself as "a partnership of public, private, philanthropic and civil organizations that will finance and co-ordinate the development of vaccines against high priority public health threats" — was founded in 2017 by the governments of Norway and India along with the **World Economic Forum** and the Bill and Melinda Gates Foundation. Its massive funding and close connections to public, private and non-profit organizations have positioned it to be able to finance the rapid creation of vaccines and widely distribute them.

CEPI's recent announcement revealed that it would **fund two pharmaceutical companies** — Inovio Pharmaceuticals and Moderna Inc. — as well as Australia's University of Queensland, which became a partner of CEPI early last year. Notably, the two pharmaceutical companies chosen have close ties to and/or strategic **partnerships with DARPA** and are developing vaccines that controversially involve genetic material and/or gene editing. **The University of Queensland also has ties to DARPA**, but those ties are not related to the university's biotechnology research, but instead engineering and missile development.

For instance, the top funders of Inovio Pharmaceuticals include both **DARPA and the Pentagon's Defense Threat Reduction Agency (DTRA)** and the company has received millions in dollars in grants from DARPA, including a \$45 million grant to develop a vaccine for Ebola. Inovio specializes in the creation of DNA immunotherapies and **DNA vaccines**, which contain **genetically engineered DNA** that causes the cells of the recipient to produce an antigen and can permanently alter a person's DNA. Inovio previously developed a DNA vaccine for the Zika virus, but — to date — **no DNA vaccine has been approved** for use in humans in the United States. Inovio was also recently awarded over \$8 million from the U.S. military to develop a small, portable intradermal device for delivering DNA vaccines **jointly developed by Inovio and USAMRIID**.

However, the CEPI grant to combat coronavirus may change that, as it specifically funds Inovio's efforts to continue developing its DNA vaccine for the **coronavirus that causes MERS**. Inovio's MERS vaccine program **began in 2018** in partnership with CEPI in a deal worth \$56 million. The vaccine currently under development uses "Inovio's DNA Medicines platform to deliver optimized synthetic antigenic genes into cells, where they are translated into protein antigens that **activate an individual's immune system**" and the program is partnered with **U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID)** and the **NIH**, among others. That program is currently undergoing testing in the Middle East.

Inovio's collaboration with the **U.S. military** in regards to DNA vaccines is nothing new, as their past efforts to develop a DNA vaccine for both Ebola and Marburg virus were also part of what **Inovio's CEO Dr. Joseph Kim** called its **"active biodefense program"** that has "garnered multiple grants from the Department of

Defense, Defense Threat Reduction Agency (DTRA), National Institute of Allergy and Infectious Diseases (NIAID), and other government agencies.”

CEPI’s interest in increasing its support to this MERS-specific program seems at odds with its claim that doing so will combat the current coronavirus outbreak, since MERS and the novel coronavirus in question are not analogous and treatments for certain coronaviruses have been shown to be ineffective against other strains.

It is also worth noting that Inovio Pharmaceuticals was the **only company** selected by CEPI with direct access to the **Chinese pharmaceutical** market through its partnership with China’s **ApolloBio Corp.**, which currently has an exclusive license to sell Inovio-made DNA immunotherapy products to Chinese customers.

The second pharmaceutical company that was selected by CEPI to develop a vaccine for the new coronavirus is **Moderna Inc.**, which will develop a vaccine for the novel coronavirus of concern in collaboration with the U.S. NIH and which will be **funded entirely by CEPI**. The vaccine in question, as opposed to Inovio’s DNA vaccine, will be a **messenger RNA (mRNA)** vaccine. Though different than a DNA vaccine, mRNA vaccines still use genetic material “to direct the body’s cells to produce intracellular, membrane or secreted proteins.”

Moderna’s mRNA treatments, including its mRNA vaccines, were largely developed using a **\$25 million grant from DARPA** and it often touts its strategic alliance with DARPA in press releases. Moderna’s past and ongoing research efforts have included developing mRNA vaccines **tailored to an individual’s unique DNA** as well as an unsuccessful effort to create a mRNA vaccine for the Zika Virus, which was funded by the U.S. government.

Both DNA and mRNA vaccines involve the **introduction of foreign and engineered genetic material** into a person’s cells and past studies have found that such vaccines “**possess significant unpredictability** and a number of inherent harmful potential hazards” and that “there is inadequate knowledge to define either the probability of unintended events or the consequences of **genetic modifications**.” Nonetheless, the climate of fear surrounding the coronavirus outbreak could be enough for the public and private sector to develop and distribute such controversial treatments due to fear about the epidemic potential of the current outbreak.

However, the therapies being developed by **Inovio, Moderna and the University of Queensland** are in alignment with **DARPA’s objectives** regarding gene editing and vaccine technology. For instance, in 2015, DARPA geneticist Col. Daniel Wattendorf described how the agency was investigating a “new method of vaccine production [that] would involve giving the body instructions for making certain antibodies. Because the body would be its own **bioreactor**, the vaccine could be produced much faster than traditional methods and the result would be a higher level of protection.”

According to media reports on Wattendorf’s statements at the time, the vaccine would be developed as follows:

*Scientists would harvest viral antibodies from someone who has recovered from a disease such as flu or Ebola. After testing the antibodies’ ability to neutralize viruses in a petri dish, they would isolate the most effective one, determine the genes needed to make that antibody, and then encode many copies of those genes into a circular snippet of **genetic material** — either DNA or RNA, that the person’s body would then use as a cookbook to **assemble** the antibody.*

Though Wattendorf asserted that the effects of those vaccines wouldn’t be permanent, DARPA has since been promoting **permanent gene modifications** as a means of protecting U.S. troops from biological weapons and infectious disease. “Why is DARPA doing this? [To] protect a soldier on the battlefield from chemical weapons and biological weapons **by controlling their genome** — having the genome produce proteins that would automatically protect the soldier from the inside out,” then-DARPA director Steve Walker (now with Lockheed Martin) said this past September of the project, known as “Safe Genes.”

Conclusion

Research conducted by the Pentagon, and DARPA specifically, has continually **raised concerns**, not just in the field of bioweapons and biotechnology, but also in the fields of **nanotechnology, robotics** and several others. DARPA, for instance, has been developing a series of unsettling research projects that ranges from **microchips** that can create and **delete memories from the human brain** to voting machine software that is rife with problems.

Now, as fear regarding the current coronavirus outbreak begins to peak, **companies with direct ties to DARPA** have been tasked with developing its vaccine, the long-term human and environmental impacts of which are unknown and will remain unknown by the time the vaccine is expected to go to market in a few weeks time.

Furthermore, **DARPA and the Pentagon's past history with bioweapons** and their more recent experiments on **genetic alteration and extinction technologies** as well as bats and coronaviruses in proximity to China have been largely left out of the narrative, despite the information being publicly available. Also left out of the media narrative have been the direct ties of both the USAMRIID and DARPA-partnered Duke University to the city of Wuhan, including its Institute of Medical Virology.

Though much about the origins of the coronavirus outbreak remains unknown, the U.S. military's ties to the aforementioned research studies and research institutions are worth detailing as such research — while justified in the name of "national security" — has the frightening potential to result in unintended, yet world-altering consequences. **The lack of transparency about this research, such as DARPA's decision to classify its controversial genetic extinction research and the technology's use as a weapon of war**, compounds these concerns. While it is important to avoid reckless speculation as much as possible, it is the opinion of this author that the information in this report is in the **public interest** and that readers should use this information to reach their own conclusions about the topics discussed herein.

Interview with Dr Meryl Nass Biological Weapons Expert

Dr Meryl Nass Biological Weapons expert

That is a lot of questions. Let me start at the beginning. When this virus was first discovered in China and then in the United States I was extremely worried. I have a background in biological warfare. I understood the ways this organism might spread there had been a lot of concern **SARS 1 and MERS** in the past that a biological agent like this could **enter the population**. I warned people extensively about the reasons why I was concerned. The particular features this bug had made it worse than the first SARS that the United States didn't have to grapple with. In 2012 China had a big outbreak (what was thought to be a big outbreak) at the time, 8,000 total cases in the world. Vietnam had it Canada, Toronto had a lot of cases. It was life threatening disease, basically no matter what you did if people had a severe case you couldn't save them. There was a **90% mortality rate**. From the first SARS 8 years ago. I warned people and explained as best I could, I actually knew what you needed to do how to protect yourself, how to avoid places. Talked about droplets spread versus airborne spread which is very confusing for a lot of people. Its thought – and we don't have solid information. We don't know how many contract from droplets sprayed on them from a short distance versus how much sits in the air, when in the grocery store inhale it and get it. Versus someone exhale landed on a surface where touch nose, eyes and mouth. We don't know what the relative risks of those 3 ways of being infected

There are ways to mitigate all of those problems. The airborne is the hardest to mitigate because it requires a lot of air changes, you can't breath in the same air

Industry Report 2a

ARDA/DARPA

The **Biomedical Advanced Research and Development Authority** (BARDA) and the Defense Advanced Research Projects Agency (DARPA) have reached an interagency **agreement** with **AstraZeneca** to support phase 1 clinical development of a monoclonal antibody combination therapy for use against COVID-19.

This assistance will cover both a phase 1 clinical trial and the manufacturing of the investigational product for testing. AstraZeneca, which recently signed a deal granting it an **exclusive license** for six anti-SARS-CoV-2 **antibodies** identified by researchers at **Vanderbilt University**, intends to start a phase 1 trial of a COVID-19 antibody therapy within two months.

The body generates antibodies to fight off infections. Monoclonal antibodies, like those used in this case, are laboratory synthesized therapies that can be manufactured in large quantities and used to negate viruses. A combination of such antibodies targeting the SARS-CoV-2 virus — the virus that causes COVID-19 — could conceivably be used to both prevent infection and to treat existing infections.

This is not a treatment approved by the U.S. Food and Drug Administration (FDA), though. There remain no FDA-approved treatments or vaccines for COVID-19, a fact that has spurred the Department of Health and Human Services to label the need for therapeutic and prophylac...

20.4 Even WHO Says New Covid-19 Strain found in UK is No Deadlier Only Slightly More Infectious⁵⁴

Note: the WHO's Health Emergencies Program Chief Mike Ryan was involved in the World Economic Forum Coronavirus Simulation Event 201. You wonder if he is talking it down and then it worsens as Dr Tedros did when the alleged outbreak occurred in China. The problem is the stress the public are continually under over a virus of low risk, the psychological abuse is the concern. An interesting comment from WHO regarding the strain not affecting vaccines. As follows: "...The new strain would also hardly affect the efficacy of drugs and vaccines developed against Covid-19, the WHO Chief Scientist Soumya Swaminathan said..." "So far, even though we have seen a number of changes, a number of mutations, none has made a significant impact on ... the susceptibility of the virus to any of the currently used therapeutics, drugs or the vaccines under development," she said..." There is truth in this statement from a peace perspective, I don't know if he really knows what balance is about: "...We have to find a balance. It's very important to have transparency, it's very important to tell the public the way it is, but it's also important to get across that this is a normal part of virus evolution," Ryan said, while still calling this decision "prudent."... this thought came to me and then I read it "...There are thousands of Covid strains, so this new scare is NOT a big deal, but politicians just love their new authoritarianism..." The sense of power is what is craved, to control the world inflates the sense of importance, even though the reality on the ground is horrendous for many people. It reflects a detachment living in another world. The media has created the fear which is counterproductive and unhealthy: "...Meanwhile, top German virologist Christian Drosten said that the panic over the new strain was apparently premature, since there was no hard evidence suggesting it was indeed that highly contagious or that it was responsible for the UK's sharp rise in new cases..."

Even WHO says 'new Covid-19 strain found in UK is **no deadlier & only slightly more infectious** than others' – even less deadly and infectious when you realise it doesn't exist. You mean the Tier 4 cancel Christmas lockdowns have nothing to do with health?? Surely not, they wouldn't lie that much, right?

The World Health Organization has come forward to calm things down amid the anxiety over a new potentially 'highly infectious' Covid-19 strain found in the UK, saying it is not that different from other coronavirus strains.

"There is zero evidence that the new coronavirus variant increases severity of the disease," the WHO's Health Emergencies Program Chief Mike Ryan told at a press conference on Monday, citing data received from British scientists.

The risks faced by the people that catch this particular strain of the virus are pretty much the same as odds faced by other people suffering from Covid-19. According to the WHO, it is neither more aggressive, nor any deadlier than the other strains.

It does seem to be spreading somewhat easier, the health watchdog admitted. Still, its contagiousness appears to be **nothing out of the ordinary** and it is still much less infectious than diseases such as mumps.

The new strain would also hardly affect the efficacy of drugs and vaccines developed against Covid-19, the WHO Chief Scientist Soumya Swaminathan said.

"So far, even though we have seen a number of changes, a number of mutations, none has made a significant impact on ... the susceptibility of the virus to any of the currently used therapeutics, drugs or the vaccines under development," she said.

⁵⁴ <https://davidicke.com/2020/12/22/even-who-says-new-covid-19-strain-found-in-uk-is-no-deadlier-only-slightly-more-infectious-than-others-even-less-deadly-and-infectious-when-you-realise-it-doesnt-exist-you-mean-the-tier-4-c/>

The risks faced by the people that catch this particular strain of the virus are pretty much the same as odds faced by other people suffering from Covid-19. According to the WHO, it is neither more aggressive, nor any deadlier than the other strains.

ALSO ON RT.COM

"So far, even though we have seen a number of changes, **a number of mutations**, none has made a significant impact on ... the susceptibility of the virus to any of the currently used therapeutics, drugs or the vaccines under development," she said.

WHO officials also **described a flurry of travel bans** to and from the UK imposed by some two dozen of nations across the world as a move taken out of abundance of caution.

"We have to find a balance. It's very important to have transparency, it's very important to tell the public the way it is, but it's also important to get across that this is a normal part of virus evolution," Ryan said, while still calling this decision "prudent."

ALSO ON RT.COM

Top German virologist casts doubt on fears of new 'highly contagious' UK Covid-19 strain

The WHO expects to receive some more data on the new Covid-19 strain in the coming days, including on the immune response the human organism provides to the new virus.

Statements from the WHO come after the discovery of a new Covid-19 strain provoked some sort of a panic in Europe and beyond. UK Prime Minister Boris Johnson said that the new mutation is allegedly 70 percent more contagious, as he announced strict 'Tier 4' lockdown for the areas that saw a sharp rise in new infections.

Following the announcement, many nations, including the Netherlands, Belgium, Italy, France, Germany, Poland and Russia suspended all travel to and from the UK. Other countries like Argentina and Chile soon followed suit, while **Turkey and Saudi Arabia went further and cut all foreign travel at all.**

There are **thousands of Covid strains**, so this new scare is NOT a big deal, but politicians just love their new authoritarianism

Meanwhile, top German virologist Christian Drosten said that the panic over the new strain was apparently **premature**, since there was **no hard evidence** suggesting it was indeed that highly contagious or that it was responsible for the UK's sharp rise in new cases.

21.0 GENETIC EXTINCTION: GATES FOUNDATION, DARPA & GENE DRIVES

21.1 Bill Gates' Foundation Working with DARPA on Gene Editing⁵⁵

06/16/2020 BY [STILLNESS IN THE STORM](#) [LEAVE A COMMENT](#)

(Mac Slavo) In an interview with James Corbett of the Corbett Report, Johnathan Latham discusses The Bill & Melinda Gates Foundation's **disturbing ties** to the United States government. DARPA (Defense Advanced Research Projects Agency) an agency of the Department of Defense is working closely with Gates' Foundation to introduce genetic modifications into various species.

Related [Scientists Agree: Younger Dryas Impact Event Wiped Out Ancient Civilization \(Video\)](#)

by Mac Slavo, June 10th, 2020

Oh, and the **United Nations** is also involved. What could possibly go wrong? All wrapped up, it looks like everyone who wants power now has it and nothing is being done stop the destruction upon humanity. The few are dominating the many and most won't look past their own biases to see what's really going on.

In his **2017** article, "Gates Foundation Hired PR Firm to Manipulate UN Over Gene Drives," Latham describes how Gates, the UN, and DARPA want to **manipulate human genetics** to get the desired outcome in a child. "It allows you to drive **populations extinct** in the longer term."

Other than the Gates Foundation, the funding for the **destructive gene editing** comes from the United States government. DARPA is neck-deep in horrific experiments, so it shouldn't surprise anyone that they have a hand in splicing genetics.

Watch [Vaxxed: From Cover-Up to Catastrophe](#)

While we are supposed to be focused **solely on the riots**, which we should all know by now that that's what the **NWO elitists want you to focus on** (choose sides, **divide**, look over here) the **gene drive editing** agenda moves forward **unbeknownst** to those **blinded** by the mainstream media.

*As Corbett said: "We now have documents that show there is considerable amounts of money and attention that is being devoted to this issue to make sure these types of decisions (to use genetic modifications on humans) happen and as you (Latham) point out, the absurdity of the non-signatory to the CBD (**The Convention on Biological Diversity**) is an "observer" is essentially directing this process. And making sure that things go well for that countries business interests, is on its face, absurd. But it has to be known, in order for the public to even think to be outraged by this. And that is one of the tragedies of this story, that even myself, who actually tries to keep up with issues like this, I had completely missed this story when it occurred." –James Corbett*

Latham then explains what we already know: the mainstream will relentlessly report on what they want you to focus on while things that are much more pertinent to our survival as humans on elsewhere. The media will **distract and divide and while the public fights** over which puppet gets to **institute martial law**, those who don't care one iota who's in power will continue their quest to destroy all of us.

This goes all back the **Wuhan Institute of Virology** and their release of a created "coronavirus." The Gates Foundation is all about **identifying potential pathogens that could create pandemics**.

Body For Awareness Project: *Your clothes can advertise for corporate interests (Nike, Adidas, etc) or they can share your truth and evolve consciousness. Support alt-media and help raise awareness. [Law of One Merch on Sale Now](#) (New colors and styles uploaded frequently at [Stillness in the Storm Store](#)).*

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"It is the mark of an educated mind to be able to entertain a thought without accepting it." – Aristotle

⁵⁵ https://www.shtfplan.com/headline-news/johnathan-latham-bill-gates-foundation-working-with-darpa-to-end-humanity-as-we-know-it_06102020

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21.1.1 The Corbett Report Interview with Dr Latham from Independent Science

The gene drives are essentially about interfering with evolution to favour the one who has the gene drive. This is not unlike some form of cryogenics in the sense of preserving identity in some form. This is enhanced through bloodlines who regard their line as superior, more advanced, evolved etc. This statement is made on the basis of wealth not traits that align with natural selection. The human race has excised itself from nature through the use of technologies and economics favouring one group over another, not on the basis of the WHOLE, but on the basis of a bloodline, culture, nationality or status which are purely cultural expressions of thought not grounded in nature's true resilience. So when we hear the Rockefellers use terms like "Resilient Cities" or resilience they speak of this without any real depth understanding of what it means to be resilient. How can one who lives a privileged life, regarding security as wealth not inner peace, have any concept of what natural resiliency actual means. We can go to Cambridge, Oxford, MIT or Columbia universities but know nothing of the true stewardship housed in an indigenous person who survived in nature for 50,000 years. That is natural selection and a resiliency that is being lost given technology and economics based thought. The author of this submission is trained in economics, used technology but knows her own survival (with no money, no partner, no family, no assets, no job) as come from a deeper understanding of trust. The Fool is often depicted as the archetype of resiliency as the fool's journey is about letting go of control, a polar opposite of those who assert control, to allow life to unfold resting in a higher intelligence (humility). This is grounded in the awareness that "*I know I do not know*" as distinct from "*make it happen*" as a pillar of success. When you have no resources the real natural resiliency arises as there is no choice but to allow. This is how one sense the eternal oneness with life itself. This is the higher knowledge not owned as "ego" but awakened through survival. This will not be learned at university as the ego places us in service of money not love or wholeness. This disconnect is apparent with science as they attempt to play God by altering the most sacred aspect of who we are, the DNA. It is altered not for the betterment of humanity but to preserve a lifestyle and identity unquestioned of superiority that was never true. Does this diminish higher classes, not at all. It is nature grounding equality not unlimited potential. They co-exist. This is evolution the expansion of consciousness that we are larger than the individual ego. In this awareness there is no competition, there is only possibility. That is the real wealth unseen by those who frame it by a balance sheet and assets under management believing power is in the genes as an evolved species rather than inherited wealth, which in truth, weakening generations as that natural resiliency doesn't trigger DNA traits laying dormant awaiting natural selection.

Those in Africa still carry the ancient DNA which was the very basis for survival of a resilient species. Instead due to their poverty they have been regarded as "inferior" by those who fear it. It was never true. From a higher perspective no sentient being is superior or inferior although biology favours resiliency in those cultures that are closer to nature. There are no chosen people as all self select via reincarnation a spiritual aspect barely understood by a world of a constructed reality. We have been all of it: landowner, slave, criminal, elite, leader, worker, soldier, peacemaker, male, female, sick and healthy. We do not remember the WHOLE, we live in segments in order to master life as each has a unique purpose. Higher perspective awakens this knowledge which is why all are equal in possibility. It is why every life is sacred. Every ecology is perfectly designed for natural conditions (not weather modification) and life is honoured as homeostasis (balance). Wisdom (knowledge applied) is the guidance that counsels sustainability as respect for all life forms.



8 June 2020

YouTube Video: <https://youtu.be/Llv4NJICooQ>

James Corbett with Dr Johnathan Latham of Independent Science News (www.independentsciencenews.org)

Introduction:

What is the Gates foundation and DARPA doing with genetics? How come there is this great constellation of interest groups all aligned in the same direction. All determined to ram this kind of technology through. These are interesting and deep questions go to the fundamentals to what our society is really about.

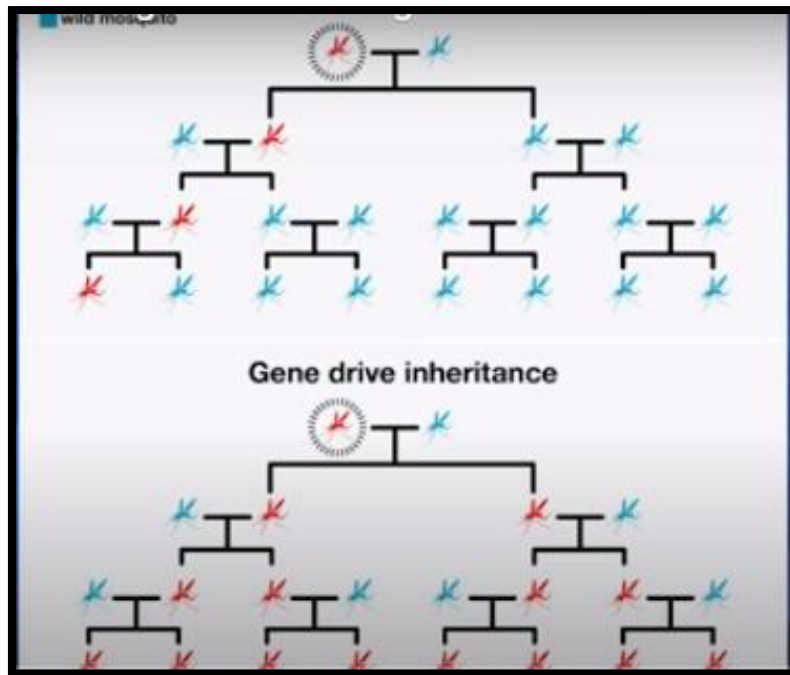
This is an earlier interview with Jonathan Latham on Gene Editing. Coming up is the most recent interview.





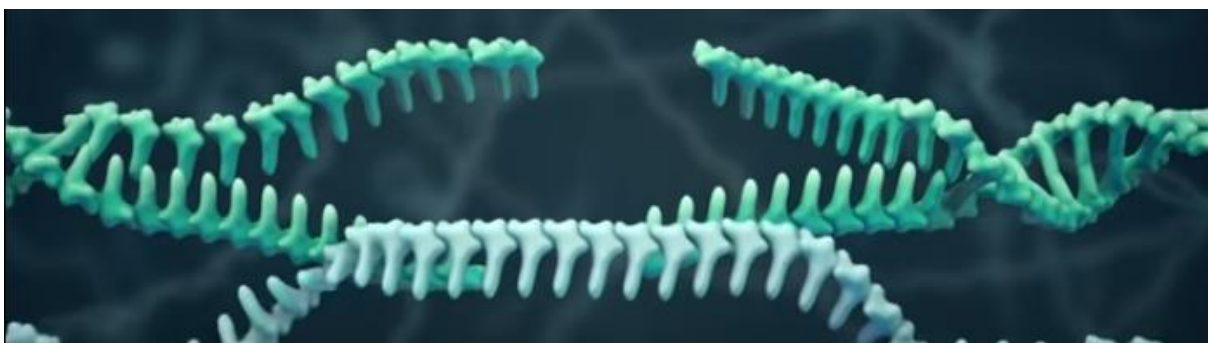
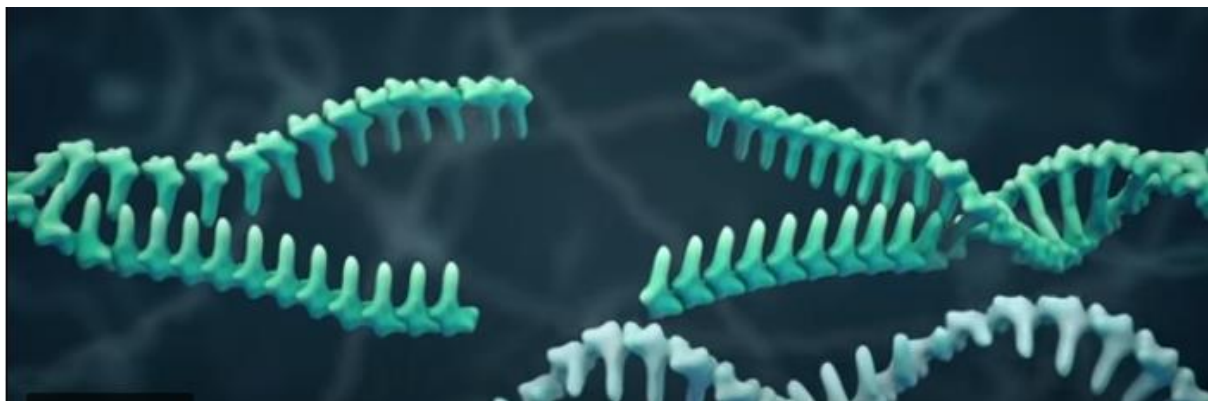
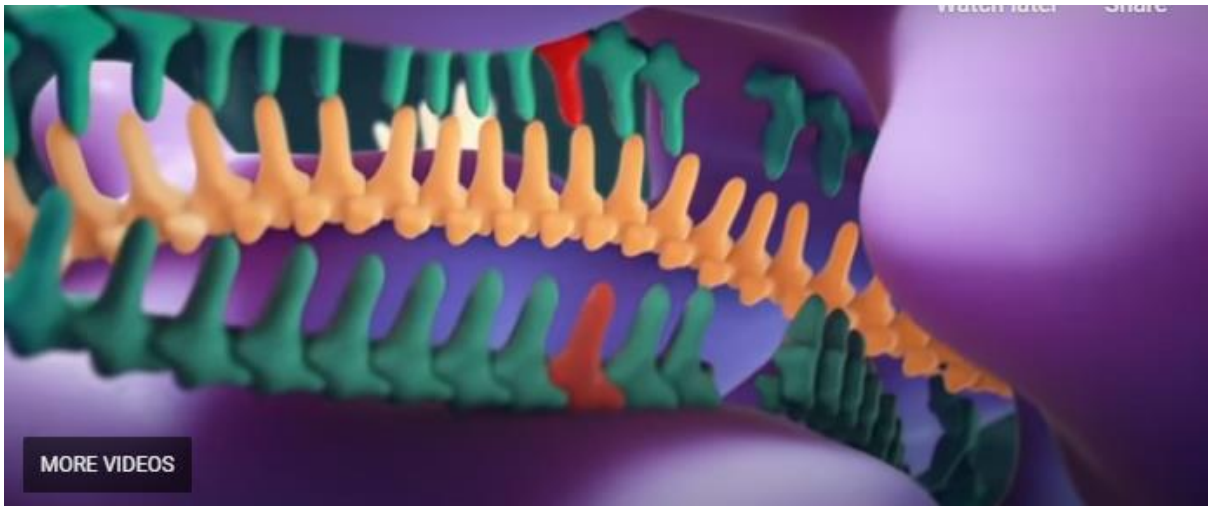
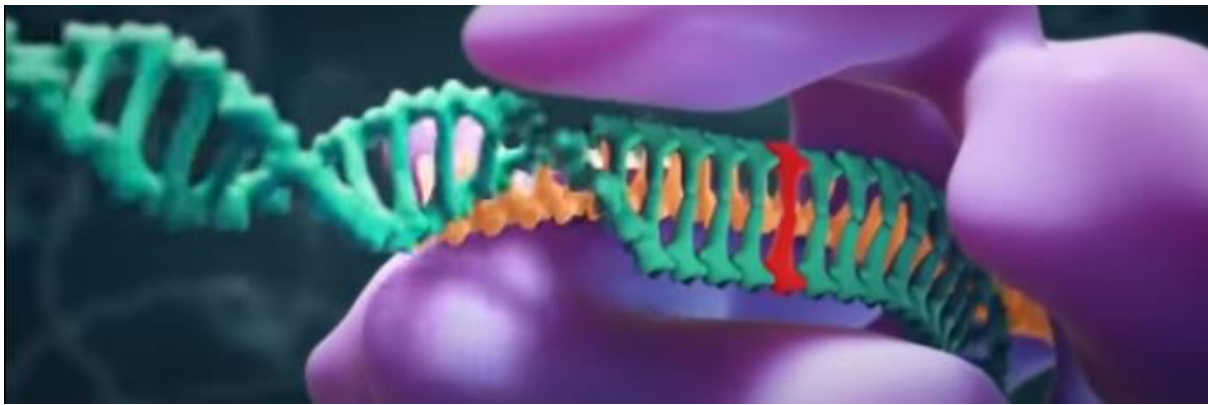
TRANSCRIPT

- James Corbett: Gene Drives?
- Dr Latham: Genetic system that ensures that if two parents meet, that all their children from then on **will have the genotype of which ever parent had the gene drive in it**. So what it does is **biases** the reproductive outcome. To generate a **trait chosen by the experiment**. The experimenter can choose resistance to malaria, all maleness, drive the population extinct. A technology that allows, doesn't kill all organisms in a population instantaneous what it does is it allows you to **drive populations extinction** in the longer term. In mosquitos terms: 50-100 generations.



- Mosquitoe: the progeny carries the gene drive. They would like to engineer.
- Understand what gene editing is – it is going on inside the cells of living mosquitoes. At the moment the cells fuse, genetic makeup of progeny is decided.





- The parent with the trait then **edits the genome**. Introduced the genome, one genome with a gene editing molecule in it, then that edits the genome of all the progeny.

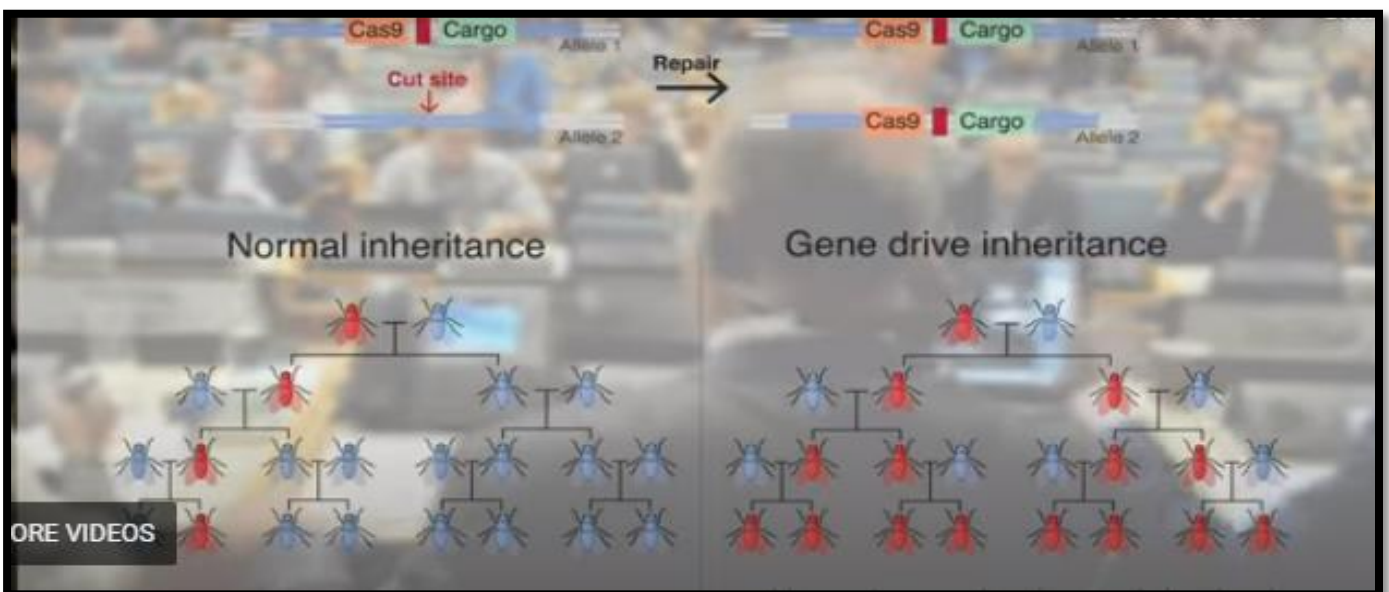
- Targeted enzyme that **cuts DNA at a specific place designed by the researcher to introduce the genetic trait** we are talking about.
- A single mosquito: Its progeny goes onto to make more and more. They **introduce that trait into the population**. Genetic changes are being made by the editing machinery
- Combination of technologies in there

Dangers in gene editing

- **Not as precise** as indicated in theoretical experiment. Introduce different dangers.
- Spector of the PR front that the Gates Foundation was using to manipulate the UN over gene drives
- Stephen Corbett: Why UN involved? Why is the Gates Foundation trying to manipulate them on this?
- Dr Latham: The UN has a forum called the **Convention on Biological Diversity**



- This convention meets every now and again. Only international place where people can discuss genetics, genetic technologies, GMO's, public sphere, **transparent to some extent**.
- A move within the framework of that organisation to **introduce a moratorium** on research into gene drives



- The reason for the moratorium, potentially the **technology is triggered** if a single organism escapes from the lab.

- A single mosquito because they are researching in in Italy it **can spread around the globe.**
- Offspring.



- The offspring of mosquitoes spread and the **gene encoded by the gene drive.** Spread around the world
- **Problem** on the one hand *accidental escape* on the other *how do you test the technology?* You don't know until it is tested in the real world.
- **The whole presumption** of this technology is **that we know** what we are doing based on a tiny lab experiment where we alter a few mosquitoes in an *artificial* environment and then make a prediction how it will play out in the *real world*.
- Question is - How are you going to know how it plays out in the real world?
- If you are going to find out, you are going to **run the risk** accidentally introducing organisms with gene drives into the global ecosphere.
- James Corbett: Exactly right.
- In September of 2019 it was being reported that **genetically modified mosquitoes** are breeding in Brazil.

Genetically Modified Mosquitoes Are Breeding in Brazil, Despite Biotech Firm's Assurances to the Contrary

GIZMODO

- Despite biotech firms **assurances to the contrarily** revolving around a test release in a Brazilian town in genetically modified mosquitoes. Don't worry (they say) won't release into general population.
- As it turns out new research published September 2019 a British biotech running project - Oxitec assured the public this wouldn't happen, **unfortunately it did, there was genetic contamination** of the local population.
- Is that related to gene drives?
- Dr Latham: **It is related**, this technology is a **sterile male mosquito technology** considered to be a proving ground for the idea of gene drives.

- James Corbett: This article you wrote for Independent Science late 2017 theoretically. So far, we moved forward from that conversation, seeing the dangers being realised in some of the tests regarding this technology.
- Dr Latham: in a general and specific sense **this particular technology is not working out the way it was planned**. The general sense of making predictions about how those results would pan out is not working either.
- James Corbett: The Gates Foundation's role in this was to use PR, **manipulate** the UN Convention on Biological Diversity **to approve the use and experimentation** on this technology.
- Dr Latham: Yes, they wanted to **forestall the possibility** that this moratorium idea would gather steam. There was an expert group that was drawn together called **AHTEG**.

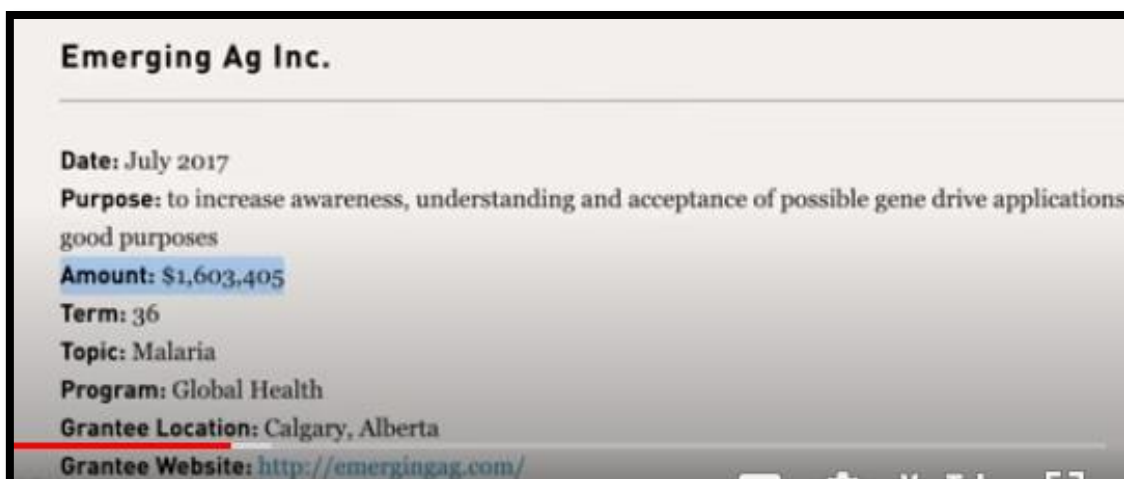


- Basically this expert group was **supposed to provide the larger group** with information about the **risks and possibilities** moving forward of gene drive technologies.
- So it had various people **appointed** to the committee basically people apply to the Convention of Biological Diversity to be nominated to this committee. Try to choose people from different countries, backgrounds, research expertise. The idea of this committee is that it is **independent** and listens to broader forum of people who comment, broader forum is also independent. What you are trying to achieve is a **democratic process** of understanding that doesn't rely on any particular person, lobby group, person, company, country steamrolling the process.
- James Corbett: Specifically then it relates to a **trove of emails** released that exposed this PR manipulation.
- Gene drive files:

ABOUT THE GENE DRIVE FILES

The Gene Drive Files are a trove of emails and other records uncovered by civil society investigators. The Files reveal the US military as the number one funder and influence accelerating the development of "gene drives", a controversial and powerful new genetic extinction technology. The files also reveal that a previously undisclosed gene drive "advocacy coalition," was run by a private PR firm who received \$1.6 million in funds from the Bill and Melinda Gates Foundation. They appear to have used covert lobbying tactics to influence expert UN discussion.

- The Gene Drive Files: trove of emails uncovered by civil society investigators
- Files reveal the US military as the No. 1 funder and influence accelerating the development of gene drives, a controversial and powerful new genetic extinction technology
- Previously undisclosed gene drive advocacy coalition run by private PR firm received 1.6 million funds from Bill & Melinda Gates Foundation they appear to have used covert lobbying tactics to influence expert UN discussion.
- Talk about the broader context about the emails we uncovered PR lobbying regarding this technology.
- Dr Latham: The emails were released 10 days before the final decision making meeting and so they were sent to us, we wrote up. We were given access to the website produced by Prickly Research. Guy called Ed Hammond who ran the Sunshine Project which is about bioweapons, shenanigans the military biological confluence. This is continuous in a sense with his research interest.
- He basically did a foyer of the North Carolina State University where he suspected some of these people were working. Prominent researchers were communicating with the Gates Foundation, DARPA, with the group called the Foundation for the National Institutes of Health like an offshoot of the National Institutes of Health, communicating with various universities around the world, PR companies. Coordinating with Emerging Ag Inc. they got the Gates Foundation money.



- There are discussions also how they had meetings at a Army facility in Massachusetts where they had discussions about what are their concerns, how they collaborate. Workshop organised for the NIH about messaging. How to message around this email. Part of these emails it comes out this is a group.

Discussing collaboration, messaging, **how to influence the UN body** which is to get the result they want which is no moratorium.

Despite the public perception that conservation and public health are what motivates gene drive research, it is known that, besides the contribution of the Gates Foundation, most gene drive funding comes from the DARPA, the technology foresight arm of the US Dept of Defense ☹.

- James Corbett: What is the US Department of Defence, why is the Pentagon so interested in the gene drive technology?
- Dr Latham: Their claimed reason is to **anticipate other peoples research** China, Russia or something. The other claimed reason is that if these other countries use these technologies as **bioweapons** given the fact you can **crash populations** of chosen organisms. Raises the whole principal spectre.
- They claim the want to be able to **disarm gene drives**. Have their own ready and waiting mosquitoes to **combat** the Russian mosquitoes. They don't even have proof or principal or anything, ideas on how to do that. They **don't have evidence** that the Russians or Chinese are even doing this kind of technology. They feel empowered to do this research, speculate. Most of their money goes towards developing technology in the first place.





- Our concern between the **Gates and the DARPA** if neither of these organisations were funding it, it wouldn't be going anywhere.
- James Corbett: This is the exact same conversation people are having in the **bioweapons biowarfare** space for many decades. That is why there is some continuity with the Sunshine Project. Exactly the same thing "*we are doing it for defensive purposes*" in the process, but of course they are in the process. What are the other side doing, they have to develop these things. It is **under the cover** of defensive purposes, it is actually the **creation of bioweapons** that wouldn't exist otherwise. This technology that is being developed in the name of defensive purposes but of course for **offensive** purposes– it would be the **same technology**. Let's hone in on this. The emails released 10 days before an important meeting to **extend the moratorium or not**. What were the results of that?
- Dr Latham: The **moratorium idea was shot down**. Basically what happened. I am not sure about the impact the revelations had on the course of the meeting. Our article was the **only one** about the revelation. Science magazine did a sceptical piece *is it really true* that the UN is being manipulated by the Gates Foundation? That came out a little afterwards.



- I wasn't at the meeting. I don't know how **much that information reached the delegates**. There will be many delegates who will be **extremely upset** at the idea that people are trying to behind the scenes **manipulate** the outcome of these negotiations. They are international negotiations.
- It is clear that there are some groups. For example – **commercial sector, agri business, food industry** they seek **collectively** to influence these outcomes. There are **coalitions** of countries that seek to influence these outcomes.
- Always been at the CBD this collection of **producer nations** the countries that produce large amounts of **food** for export trying to break down trade barriers, remove safe guards, remove legal liability provisions from any of these international treaties, generally slow down the treaties, bog down the whole process in complicated issues. Those countries are normally **US, Australia, Argentina, sometimes Brazil, Canada**. Those are the **obstructors** of that process.
- The US which is arguably in the **centre of the web** is not even a signatory of the **Convention of Biological Diversity** but they nevertheless sit there as observers. Everyone imagines it is really the **US and the companies behind them** that are really speaking. On one level everyone understands there are voting blocs, interest groups, they also operate in **secret** with extra avenues of power is also interesting. So much to this.
- The fact they **use scientists as their mouth pieces**. People are claiming to be on the one hand democratic on the other hand scientific. Basically a contradiction between two things **if science says one thing and democracy implies** we should be doing what the majority want. What do you go with? There is a really interesting **intersection between science and the democracy**.



- James Corbett: That of course has come to the fore in recent weeks it was the key quotes from Neale Tyson on Stephen Colbert. ***This is a big experiment will people shut up and listen to scientists.*** Was the way he framed it. The scientists say the science says we should **trust this gene drive technology** whatever they are lobbying. There is a **lobbying effort** we now have documents that show there is considerable money and attention devoted to this issue to make sure these decisions happen.

- As you point out the **absurdity of a non-signatory** to the CBD sitting as a observer essentially directing this process, to make sure things go well **for that countries business interests**, is on its face absurd. It has to be known for the public to even think to be **outraged**. That is one of the tragedies of this story. Even myself who tries to come up with issues like this, I **completely missed this story** when it occurred. If it crossed my radar I didn't pick up on it. That is a huge tragedy. If people are not aware of this story **how can we have informed dissent** against this gene drive technology.
- Dr Latham: **The mainstream media never cites our website**. Because the stories we investigate they are **credible** stories we have all the **evidence** to back up what we write but equally they go into deep issues.
- What is the Gates Foundation doing with **genetics**?
- What is DARPA doing with **genetics**?



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- How come there is this great constellation of **very powerful interest groups** all aligned in the same direction. All determined to **ram this kind of technology through**. These are interesting and deep questions. I would argue go to the fundamentals to **what our society is really about**.
- James Corbett: Absolutely yes. At the very least the **monetary incentives** here should be apparent and on the table. There is a **lot of money** that is thrown around to make sure these decisions happen and there are companies that make money from the **implementation** of this technology and safeguarding its reputation as part of their business model. Obviously you would expect a guard dog watchdog media to be interested in reporting on, there is juicy story on money sloshing on, for some reason this is not reported on, no it is shut up and trust the scientists. **Don't listen to Independent Science News**, no not those scientists.
- The absurdity is obviously to those who are paying attention. Unfortunately, **few people are paying attention to issues like these**.

- On that note **spectre of the coronavirus crisis** that we have lived through are living through? I know you have been doing research on the **real origins of that virus** in recent days tell people about that coverage.
- Dr Latham: What we have done is investigate the **lab origin thesis**. It is clear that the **mainstream media didn't want to investigate**. For the most part there have been interesting exceptions to that this time around. News Week, **Forbes magazine has done a little article** on possible lab origins. There has been right wing media and semi right wing media strongly on this. The left resisted it. The left needs to develop an adult relationship with science, that is my interpretation of this. We tried to publish we normally have no trouble getting our articles published in left wing magazines, websites, **no-body wants to touch this issue**. Because they think **science speaks in the way you say**. Science never speaks. Always individual scientists. In the background there is a whole set of scientists who **totally disagree** with what is claimed in the mainstream media. You will **never hear from them**. The mainstream media won't go into it.
- This the case with the **coronavirus origins**. There is a set of scientists like **Stewart Newman** and a guy from Australia **Nicholai Petrovski** they are experienced scientists and virologist who are concerned about the potential lab origins.
- There is a **history of warnings of lab escapes** from vaccine experiments, from general messing around with **viruses of high pathogenic potential**, we had a lab outbreak happen within walking distance of a lab that is **researching bat coronavirus** and is the world epicentre of collection and research on bat coronavirus. What are the chance that the coronavirus outbreak epidemic would originate within walking distance of our lab?
- James Corbett: Lets keep this in the perspective of **gain-of-function research** into viruses that exactly like this **biological warfare** research. **We have to do it otherwise the enemy will do it**. In this case **something unnatural** arises we will have to have a **vaccine** ready for it, **we create these new viruses and hope they do never accidently or on purpose get released**.
- Dr Latham: So the short version is that **we think a lab release not biowarfare** we don't think the Chinese were engaged in biowarfare just a simple lab release either a accident with a pre-existing virus they were collecting and brought back to the lab. Or **some sort of genetic engineering** experiments they were doing. The research they are doing WIV the **Wuhan Institute of Virology funded in the US this comes back to Gates, all roads lead to Gates**. What they are attempting to show experimentally that the viruses that they find are **potential pandemic pathogens**, which means in may cases making them into potential pandemic pathogens. You have this very **scary research** going on in these labs in this one particularly. You have this **whole agenda highly targeted responses to actual and potential diseases**.
- You've got essentially the **Gates Foundation is the kind of motivating force** behind this idea of **identifying** pandemic pathogens, **potential** pandemic pathogens or to **using vaccines** to combat

polio for example. At the expense on doing traditional public health. Traditional public health, having PPE making sure your hospitals were working well, staff trained, population has good nutrition, that there is a reasonable infrastructure everyone has a doctor they can go to. Traditional public health is **absent** from these countries. The Gates foundation is **focusing on vaccinations** and on targeted versions of public health. There is a **battle** between people who want traditional public health **but not backed by the Gates Foundation** but have a lot of logic on their side. Because think about it, traditional public health is about if the doctors all have supplies of PPE, well trained, the public well nourished **you are protected** against all kinds of all potential pandemic pathogens, polio, childhood diseases that people get, that kind of public health protects against all kinds of diseases, **benefits everyone** regardless, more or less. But it is **not research intensive is not what high tech does** it does not support this **huge infrastructure of research** that the Gates Foundation would like to have. You have this whole **Pandemic Virus Industrial Complex**. Researchers, scientists, vaccine manufacturers, of treatment manufacturers who are basically **driving a Gates type approach** to public health. That ultimately, if the lab origin theory is correct, is the **cause of this pandemic**. We are fairly confident that it has caused **previous viral outbreaks**. You have this people who claim to have a solution but actually appear to be a large part of the cause of the problem. Same time **neglecting the real problems palm oil destruction, logging, roads, rain forest, rubber plantation** in these countries where **Ebola** virus is breaking out.

- James Corbett: Another aspect of that **agenda** is that you can **patent a vaccine or a drug** along those lines make money manufacturing. Gates Foundation is literally partnered with vaccine manufacturers in an organisation like **GAVI**. There is again basic obvious **conflicts of interest** at play here amongst these players with basic **monetary incentives** not difficult to uncover. Never hear about that again being covered in mainstream outlets. I want people to reflect on that. You make an important point about the **weaponization of science**. The left will use you have to listen to the scientists on this issue but not that issue then the right says don't listen to the scientist on that issue but this issue ... did this. Science is not a statement being spoken in some unified voice, it is a technique for trying to get closer towards something *approximating the truth*. It is a messy business that has lots of different people taking different perspectives and can be weaponised in that way **politically**. I take a moment to plug a video called The Weaponization of "Science" pointed out this phenomenon. I think it is extremely important. I like to think the public is becoming **aware** of this because of things of what we have lived through the last few months and **highly political nature** of this debate. I'm not sure if the message is getting through living in echo chambers and not aware of sites like Independent Science News. Tell them about your site..

The Weaponization of "Science"

Carlson • 05/22/2017 • 47 Comments



- Dr Latham: Well normally what we do is **issues in food and agriculture** the reason we do food and agriculture is because **food and agriculture are the epicentre of our social/ecological crisis**. If you have a problem with: the water supply, oceans, climate change, public health the **likely origin** of that problem is **agriculture and the food system**. The food and agriculture system most people live in cities don't appreciate most of their problems originate in countryside, from pollution, dead zones in oceans, climate change is an **agricultural problem**. The EPA interestingly, produced a report only 9% of **climate emissions** come from agriculture. There are much better calculations, in my opinion, that that number is well **over 50%**. Basically **the problem is being hidden** from the public our problems actually originate in many cases from agriculture.
- Our website focuses on agriculture. Ends up being a **gene drive issue** because gene drives used in agriculture. Our investigation into the **coronavirus**, seems like an aberration, the issue of coronavirus is agriculture issue.



- The people funding **EcoHealth Alliance** Peter Daszak we didn't get into this.
- People funding Eco health alliance and Peter Daszak who is the **media's person** explaining to the whole population that the **wildlife trade is the origin of coronavirus** and it is people hunting, people using wild animals for medicine. If you read the Guardian, New York Times, CNN, Democracy Now, he is on all these outlets explaining the wildlife trade.
- When the real **culprit is Palm Oil and logging** and guess who **funds** his EcoHealth Alliance it is the **Palm Oil Industry**.
- So, things come back to agriculture whether you think they do or not.
- This has been **hidden** from people.
- People **do not appreciate the significance of doing research on agriculture**
- James Corbett: To tie a bow in this conversation and bring it back to **gene drives** where we started. The article in website show notes. It is 2.5 years old. I assume the conversation progressed or regressed. Where does the conversation lie with gene drives at this point is there any hope for a resurgence in the idea of a moratorium on this?
- Dr Latham: I mean the success of people in actually **getting the technology to work** hasn't moved forward very far. What we do know is the big changes that have happened the actual **gene editing process**, the molecules the **proteins that alter the DNA** actually the molecular heart of the gene drive process we now know they are much more imprecise then we ever thought. It turns out they introduced **genetic duplications** that different versions of the gene drive technology the gene editing machinery have **different effects** on the genome people underestimating the amount of changes that gene editing makes in the genome.
- People found out they were missing various kinds of changes we still **don't have many people sequencing whole genomes** of edited organisms in an unbiased fashion to try to genuinely look for

gene edited alterations. This is one of the interesting things. **Don't look** and don't see don't do the experiments that would **test the true accuracy** of gene drive experiments.

- The hilarious one that came out not so long ago. The **cows** that turned out to be the exemplars of precise gene editing turned out to have **antibiotic resistance genes** became part of a breeding program in Australia and Brazil.
- What was considered to be a precise technology is now being **rolled back** a little bit. Precision is necessary to make the argument for the **safety** of gene drives. Can't argue they are safe in the environment if the underlying molecular mechanism is not precise. It is hard at that point.
- James Corbett: This foundational technology we are using is wrong, other than that everything else is fine (laughing). The more you know about it the **more absurd** it becomes, let's correct that.

21.1.1.1 EcoHealth Alliance Has Hidden Almost \$40 Million In Pentagon Pandemic Funding⁵⁶

*Note: Ecohealth is a player in the COVID-19 pandemic. Notable quotes: "...Peter Daszak's EcoHealth Alliance Has Hidden Almost \$40 Million In Pentagon Funding And Militarized Pandemic Science..." "Pandemics are like terrorist attacks: We know roughly where they originate and what's responsible for them, but we don't know exactly when the next one will happen. They need to be handled the same way — by identifying all possible sources and dismantling those before the next pandemic strikes." The author of this submission agrees with Peter Daszak's statement which is the reason for these reports: "...Pandemics are like **terrorist** attacks: We know roughly where they originate and what's responsible for them, but we don't know exactly when the next one will happen. They need to be handled the same way — by identifying all possible sources and dismantling those before the next pandemic strikes." It is very clever how counter terrorism thinking works, often it is pitched as a "public good" to camouflage the opposite. Often they hide in non profits so there is no tax accountability (no funding of the public sector), they have Boards which is where they get to collaborate with diverse interests (no public oversight) and they can be funded to focus on projects that would never be accepted under normal protocols. Much of the Agenda has occurred in this subtle way. The author states: "...the EcoHealth Alliance, it turns out, is at the very centre of the COVID-19 pandemic in many ways..." I have to laugh at Rumsfeld using one of my quotes but in a literal context (same same but different intent) "...To depict the pandemic in such militarized terms is, for Daszak, a commonplace. In an Oct. 7 online talk organized by Columbia University's School of International and Public Affairs, Daszak presented a slide titled "Donald Rumsfeld's Prescient Speech." "There are known knowns; there are things we know that we know. There are known unknowns; that is to say, there are things that we know we don't know. But there are also unknown unknowns — there are things we don't know we don't know." (This Rumsfeld quote is in fact from a news conference). Perhaps they worry about what they don't know hence the need for predictability to serve them and unpredictability for the enemy. In the case of viruses, civilians. "...In the subsequent online discussion, Daszak emphasized the parallels between his own crusade and Rumsfeld's, since, according to Daszak, the "potential for unknown attacks" is "the same for viruses..."*

A virus can hold a government to ransom and force spending (disaster capitalism) "...Daszak then proceeded with a not terribly subtle pitch for over a billion dollars. This money would support a fledgling virus hunting and surveillance project of his, the Global Virome Project — a "doable project" he assured watchers — given the cost of the pandemic to governments and various industries..." Another interesting determination from this research is that often the one's involved in corruption are appointed as gatekeepers to block the truth "...Also on the video was Columbia University professor Jeffrey Sachs. Sachs is a former special advisor to the UN, the former head of the Millennium Villages Project, and was recently appointed Chair of the newly-formed EAT Lancet Commission on the pandemic. In September, Sachs' commission named Daszak to head up its committee on the pandemic's origins. Daszak is also on the WHO's committee to investigate the pandemic's origin. He is the only individual on both committees..."

The next quote validates the point: "...These leadership positions are not the only reason why Peter Daszak is such a central figure in the COVID-19 pandemic, however. His appointment dismayed many of those who are aware that Daszak's EcoHealth Alliance funded bat coronavirus research, including virus collection, at the Wuhan Institute for Virology (WIV) and thus could themselves be directly implicated in the outbreak...Daszak has repeatedly dismissed the notion that the pandemic could have a lab origin..."

A personal favourite is the propaganda spin on "conspiracy theory" to say to the public 'rubbish' when it is true: "...For his part, Daszak has repeatedly dismissed the notion that the pandemic could have a lab origin. In fact, a recent FOIA by the transparency group U.S. Right To Know revealed that Peter Daszak drafted an influential multi-author letter published on February 18 in the Lancet. That letter dismissed lab origin hypotheses as "conspiracy theory." Daszak was revealed to have orchestrated the letter such as to "avoid the appearance of a political statement." The Health industry is a perfect cover for silent bioweapons, the presence of Clinton initiatives is concerning.

Another important quote: "...Collecting dangerous viruses is typically justified as a preventive and defensive activity, getting ahead of what "Nature" or "The Terrorists" might throw at us. But by its nature, this work is "dual use". "Biodefense" is often just as easily biowarfare since biodefense and the products of biowarfare are identical. It's simply a matter of what the stated goals are..."

The vitriol against Trump could be because of the following: "...For much of this year, Daszak's EcoHealth Alliance garnered a great deal of sympathetic media coverage after its \$3.7 million five-year NIH grant was prematurely cut when the Trump administration learned that EcoHealth Alliance funded bat coronavirus research at the WIV... The temporary cut was widely depicted in major media as Trump undermining the EcoHealth Alliance's noble fight against

⁵⁶ <https://www.independentsciencenews.org/news/peter-daszaks-ecohealth-alliance-has-hidden-almost-40-million-in-pentagon-funding/>

pandemics. The termination was reversed by NIH in late August, and even upped to \$7.5 million. But entirely overlooked amid the claims and counter-claims was that far more funding for the EcoHealth Alliance comes from the Pentagon than the NIH...

Only buried under their "Privacy Policy," under a section titled "EcoHealth Alliance Policy Regarding Conflict of Interest in Research," does the EcoHealth Alliance concede it is the "recipient of various grant awards from federal agencies including the National Institute of Health, the National Science Foundation, US Fish and Wildlife Service, and the US Agency for International Development and the Department of Defense."...

The military links of the EcoHealth Alliance are not limited to money and mindset. One noteworthy 'policy advisor' to the EcoHealth Alliance is David Franz. Franz is former commander of Fort Detrick, which is the principal U.S. government biowarfare/biodefense facility.

David Franz was part of UNSCOM which inspected Iraq for alleged bioweapons — what were constantly referred to as WMDs or Weapons of Mass Destruction by the U.S. government and the media. Franz has been one of those eager to state, at least when discussing alleged Iraqi programs, that "in biology ... everything is dual use — the people, the facilities and the equipment." (NPR, May 14, 2003; link no longer available)..."

*The media has a history of being infiltrated by the CIA (see article on the CIA in Australia Reports). They have mouth pieces which have been the source of disinformation. It is ironic that a task force in Australia is being set up to look at those communicating truth on social media, they will be targeted as conspiracy theories (as these reports may) so the public has to be aware not to believe everything they read or hear in the media. It is evident the media in Australia has been infiltrated. The article speaks to this disinformation: "...Just this year Franz wrote a piece with former New York Times journalist Judith Miller, whose stories of Iraqi WMDs did much to misinform the US public regarding the case for the 2003 invasion of Iraq. Their joint article, "A Biosecurity Failure: America's key lab for fighting infectious disease has become a Pentagon backwater," urges more funding for Fort Detrick. Miller and Franz are long-time associates. Miller co-wrote the book *Germs*, released amid the 2001 false flag anthrax attacks, which repeatedly quotes Franz. Miller at the time received a hoax letter with a harmless white powder, increasing her prominence..." It is so easy to manipulate the public.*

"...Franz continued hyping the existence of Iraqi WMDs even after the invasion of Iraq. While she was still with the Times, Miller quoted him in a story "U.S. Analysts Link Iraq Labs To Germ Arms" on May 21, 2003 pushing the theory that Iraq had mobile biological WMD units. (This theory was debunked by the British scientist Dr David Kelly, who would die, apparently by suicide, soon thereafter..." So sad about Dr Kelly and other innocent people. Never believe suicide.

"...Four significant insights emerge from all this. First, although it is called the EcoHealth Alliance, Peter Daszak and his non-profit work closely with the military. Second, the EcoHealth Alliance attempts to conceal these military connections. Third, through militaristic language and analogies Daszak and his colleagues promote what is often referred to as, and even then somewhat euphemistically, an ongoing agenda known as "securitization". In this case it is the securitization of infectious diseases and of global public health. That is, they argue that pandemics constitute a vast and existential threat. They minimize the very real risks associated with their work, and sell it as a billion dollar solution. The fourth insight is that Daszak himself, as the Godfather of the Global Virome Project, stands to benefit from the likely outlay of public funds..."

Peter Daszak's EcoHealth Alliance Has Hidden Almost \$40 Million In Pentagon Funding And Militarized Pandemic Science

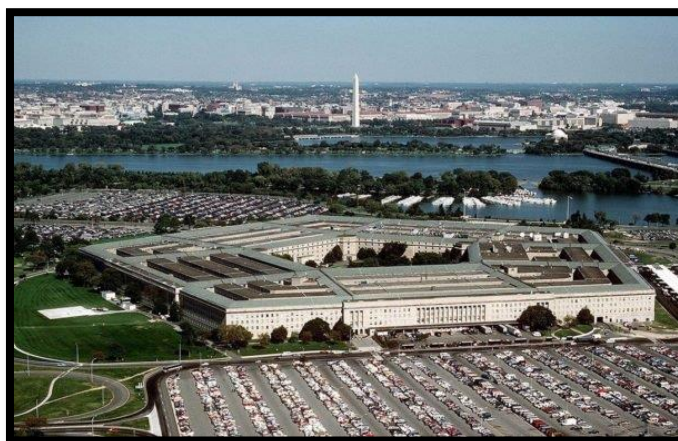
by Sam Husseini

*"Pandemics are like **terrorist attacks**: We know roughly where they originate and what's responsible for them, but we **don't know exactly when the next one will happen**. They need to be handled the same way — by identifying all possible sources and dismantling those before the next pandemic strikes."*

This statement was **written in the *New York Times* earlier this year by Peter Daszak**. Daszak is the longtime president of the [EcoHealth Alliance](#), a New York-based non-profit whose claimed focus is **pandemic prevention**. But the EcoHealth Alliance, it turns out, is at the very centre of the COVID-19 pandemic in many ways.

To depict the pandemic in such militarized terms is, for Daszak, a commonplace. In an [Oct. 7 online talk organized by Columbia University's School of International and Public Affairs](#), Daszak presented a slide titled "Donald Rumsfeld's Prescient Speech.":

"There are known knowns; there are things we know that we know. There are known unknowns; that is to say, there are things that we know we don't know. But there are also **unknown unknowns** — there are things we don't know we don't know." (This Rumsfeld quote is in fact from a news conference)



The Pentagon (Credit the Smithsonian)

In the subsequent online discussion, Daszak emphasized the parallels between his **own crusade and Rumsfeld's**, since, according to Daszak, the "potential for unknown attacks" is "the same for viruses".

Daszak then proceeded with a not terribly subtle pitch for over a **billion** dollars. This money would support a fledgling virus hunting and surveillance project of his, the [Global Virome Project](#) — a "doable project" he assured watchers — given the cost of the pandemic to governments and various industries.

Also on the video was **Columbia University professor Jeffrey Sachs**. Sachs is a former special advisor to the UN, the former head of the Millennium Villages Project, and was recently appointed Chair of the newly-formed [EAT Lancet Commission on the pandemic](#). In September, Sachs' commission [named Daszak to head up its committee](#) on the pandemic's origins. **Daszak is also on the WHO's committee to investigate the pandemic's origin. He is the only individual on both committees.**

These leadership positions are not the only reason why Peter Daszak is such a central figure in the COVID-19 pandemic, however. His appointment [dismayed many](#) of those who are aware that Daszak's EcoHealth Alliance **funded bat coronavirus research**, including virus collection, at the Wuhan Institute for Virology (WIV) and thus [could themselves be directly implicated in the outbreak](#).

For his part, Daszak has [repeatedly dismissed](#) the notion that the pandemic [could have a lab origin](#). In fact, a recent [FOIA by the transparency group U.S. Right To Know](#) revealed that Peter Daszak drafted an

influential [multi-author letter](#) published on February 18 in the Lancet. [That letter dismissed lab origin hypotheses as "conspiracy theory."](#) Daszak was revealed to have orchestrated the letter such as to "avoid the appearance of a political statement."

Sachs for his part seemed surprised by [Daszak's depiction of Rumsfeld](#) but Daszak reassured him. "It's an awesome quote! And yes, it's Donald Rumsfeld, Jeff, and I know he's a Republican, but — what a genius!"

Following the EcoHealth Alliance's money trail to the Pentagon

Collecting dangerous viruses is [typically justified as a preventive and defensive](#) activity, getting ahead of [what "Nature" or "The Terrorists"](#) might throw at us. But by its nature, this work is ["dual use"](#). ["Biodefense"](#) is often just as easily biowarfare since biodefense and the products of biowarfare are identical. It's simply a matter of what the stated goals are.

This is openly acknowledged [See below] by [scientists associated with EcoHealth Alliance](#) when talking about alleged programs in other countries — like Iraq.

For much of this year, [Daszak's EcoHealth Alliance](#) garnered a great deal of sympathetic media coverage after its [\\$3.7 million five-year NIH grant](#) was prematurely cut when the Trump administration learned that EcoHealth Alliance [funded bat coronavirus](#) research at the WIV.

The temporary cut was widely [depicted in major media](#) as Trump [undermining](#) the EcoHealth Alliance's noble fight against pandemics. The termination was reversed by NIH in late August, and even [upped to \\$7.5 million](#). But entirely overlooked amid the claims and counter-claims was that far more funding for the EcoHealth Alliance comes from the [Pentagon than the NIH](#).

To be strictly fair to the media, Daszak's EcoHealth Alliance [obscures](#) its Pentagon funding. On its website EcoHealth Alliance states that "A copy of the EHA Grant Management Manual is available upon request to the EHA Chief Financial Officer at finance (at) [ecohealthalliance.org](#)". But an email to that address and numerous others, including Peter Daszak's, requesting that Manual, as well as other financial information, was not returned. Neither were repeated voicemails.

Only [buried under their "Privacy Policy,"](#) under a section titled "EcoHealth Alliance Policy Regarding Conflict of Interest in Research," does the EcoHealth Alliance concede it is the "recipient of various grant awards from federal agencies including the [National Institute of Health, the National Science Foundation, US Fish and Wildlife Service, and the US Agency for International Development and the Department of Defense.](#)"

Even this listing is deceptive. It obscures that its two largest funders are the Pentagon and the State Department (USAID); whereas the [US Fish and Wildlife Service](#), which accounts for a minuscule \$74,487, comes before either.

Meticulous investigation of U.S. government databases reveals that Pentagon funding for the EcoHealth Alliance from 2013 to 2020, including contracts, grants and subcontracts, was just under **\$39 million**. Most, \$34.6 million, was from the [Defense Threat Reduction Agency](#) (DTRA), which is a branch of the DOD which states it is tasked to ["counter and deter weapons of mass destruction and improvised threat networks."](#)

Most of the remaining money to EHA was from [USAID](#) (State Dept.), comprising at least **\$64,700,000** (1). These two sources thus total over **\$103 million**. (See Fig).

SUMMARY

FEDERAL GRANTS & CONTRACTS

AGENCY	TOTAL
DoD	\$38,949,941.00
HHS	\$13,023,168.00
NSF	\$2,590,418.00
USAID	\$2,499,147.00
DHS	\$2,272,813.00
DoC	\$1,241,933.00
USDA	\$646,701.00
DoI	\$267,062.00
GRAND TOTAL	\$61,491,183.00

Summary of EHA Grants and Contracts. Note this figure doesn't count subcontracts so it undercounts USAID's contribution, see footnote (1) below (Credit: James Baratta and Mariamne Everett)

Another \$20 million came from Health and Human Services (**\$13 million, which includes National Institutes of Health and Centers for Disease Control**), National Science Foundation (\$2.6 million), Department of Homeland Security (\$2.3 million), Department of Commerce (\$1.2 million), Department of Agriculture (\$0.6 million), and Department of Interior (\$0.3 million). So, total U.S. government funding for EHA to-date stands at **\$123 million**, approximately **one third** of which comes from the Pentagon directly. The full funding breakdown is [available here and is summarized by year, source, and type, in a spreadsheet format](#).

Pdf versions of this the spreadsheet are available to download. The summary is [here](#) and all Federal grants and contracts are [here](#).

More military connections

The military links of the EcoHealth Alliance are not limited to money and mindset. One noteworthy 'policy advisor' to the EcoHealth Alliance is **David Franz**. Franz is former commander of **Fort Detrick**, which is the principal U.S. government biowarfare/biodefense facility.

David Franz was part of UNSCOM which **inspected Iraq for alleged bioweapons** — what were constantly referred to as **WMDs** or Weapons of Mass Destruction by the U.S. government and the media. Franz has been one of those eager to state, at least when discussing alleged Iraqi programs, that **"in biology ... everything is dual use** — the people, the facilities and the equipment." (NPR, May 14, 2003; link no longer available).

Just this year Franz wrote a piece with former **New York Times** journalist **Judith Miller**, whose stories of Iraqi WMDs did much to misinform the US public regarding the case for the 2003 invasion of Iraq. Their joint article, ["A Biosecurity Failure: America's key lab for fighting infectious disease has become a Pentagon backwater,"](#) urges more funding for Fort Detrick.

Miller and Franz are long-time associates. Miller co-wrote the book *Germes*, released amid [the 2001 false flag anthrax attacks](#), which repeatedly quotes Franz. Miller at the time received a hoax letter with a harmless white powder, increasing her prominence.

Franz continued **hyping the existence of Iraqi WMDs** even after the invasion of Iraq. While she was still with the *Times*, Miller quoted him in a story "[U.S. Analysts Link Iraq Labs To Germ Arms](#)" on May 21, 2003 pushing the theory that Iraq had **mobile biological** WMD units. (This theory [was debunked](#) by the British scientist Dr David Kelly, who would die, apparently by suicide, soon thereafter.

Four significant insights emerge from all this. First, although it is called the EcoHealth Alliance, Peter Daszak and his non-profit work closely with the military. Second, the EcoHealth Alliance attempts to conceal these military connections. Third, through militaristic language and analogies Daszak and his colleagues promote what is often referred to as, and even then somewhat euphemistically, an ongoing agenda known as "[securitization](#)". In this case it is the securitization of infectious diseases and [of global public health](#). That is, they argue that pandemics constitute a vast and existential threat. They minimize the very real risks associated with their work, and sell it as a billion dollar solution. The fourth insight is that Daszak himself, as the Godfather of the Global Virome Project, stands to benefit from the likely outlay of public funds.

Acknowledgements

Thanks to James Baratta and Mariamne Everett for researching the funding sources.

Footnote

1. The figure for EHA's USAID funding was obtained from the University of California at Davis, a major grantee of PREDICT funds, which EHA has been a major sub-grantee of Davis confirmed that EHA's funding from PREDICT totaled \$64,722,669 (PREDICT-1: 2009 to 2014: \$19,943,214; PREDICT-2: 2014 to present (2020) \$44,779,455)

Sam Husseini is an [independent journalist](#).

If this article was useful to you please consider sharing it with your networks.

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Comments

Sam C

[DECEMBER 17, 2020 AT 3:07 AM REPLY](#)

Excellent article, brilliantly researched. Although it's just absolutely infuriating.

Peter Taylor

[DECEMBER 17, 2020 AT 1:32 PM REPLY](#)

Thank you for this timely piece of research.

21.2 Gene Drive Files Expose Role of US DARPA & Gates Foundation

Gene Drive Files Expose Leading Role of US Military in Gene Drive Development.

A trove of emails (The Gene Drive Files) from **leading U.S. gene drive researchers** reveals that the U.S. Military is **taking the lead in driving forward gene drive development**.

Emails obtained through a **freedom of Information** request by **U.S.–based Prickly Research** reveal that the U.S. Defense Advanced Research Projects Agency (**DARPA**) has given approximately **\$100 million for gene drive research**¹, \$35 million more than previously reported², making them likely the **largest single funder of gene drive research on the planet**³. The emails also reveal that DARPA either funds or coordinates with almost **all major players working on gene drive development** as well as the key holders of patents on CRISPR gene editing technology⁴.

These funds **go beyond the US**; DARPA is now also **directly funding gene drive researchers in Australia (including monies given to an Australian government agency, CSIRO)**⁵ and researchers in the **UK**. The files also reveal an extremely high level of interest and activity by other sections of the U.S. military and Intelligence community.

Secret Military Study draws in Monsanto: The emails reveal that the secretive **JASON group of military advisors produced a classified study on gene drive this year (2017)**. The report was commissioned following an earlier classified 2016 JASON report on "genome editing" that has not previously been publicly reported on although it "received considerable attention among various agencies of the U.S. government."⁷

The 2017 JASON Gene Drive study was framed to address **"potential threats this technology might pose in the hands of an adversary, technical obstacles that must be overcome to develop gene drive technology and employ it 'in the wild'**, and understanding of the expertise and resources that would be required to advance the technology. The study will focus on what might be realizable in the next **3-10 years**, especially with regard to **agricultural** applications."⁸ Emails show that the JASON study was initiated with a two day meeting of a select group of invited gene drive researchers in June 2017. At the meeting, **the VP of Global Biotechnology for Monsanto** gave a presentation on crop science and gene drives.⁹ This is the first time that Monsanto's interest in gene drives has been apparent. The co-chair of the JASON report explained that "it is **unlikely** that (the report) will be publicly disclosed...(but) will be widely **circulated** within the U.S. intelligence and broader national security community."¹⁰

Army and Spooks for Gene Drives: The emails reveal the U.S. Army Corps of Engineers' (ACE) involvement in convening **closed door meetings** on gene drives^{9,10}) to fund work by Jason Delbourne, a member of the DARPA-funded **GBIRD** gene-drives Group at North Carolina State University.¹¹ The **Intelligence** Advanced Research Projects Agency (IARPA), an organization within the Office of the Director of National Intelligence, has also expressed interest in funding gene drive work. A member of the GBIRD gene drive group describes IARPA as "basically the intelligence agencies version of DARPA, which may be more frightening!"¹² Another GBIRD partner from USDA calls IARPA's interest "a very important funding opportunity," and explains that "IARPA is **eager for USDA to partner** on a proposal but we cannot be lead."¹³

Is DARPA funding work 'targeting' Africans? The emails raise questions about the close relationship between the **flagship "Target Malaria"** gene drive project and DARPA. Because Target Malaria hopes to deploy their gene drives in African countries they have been at pains to emphasize independence from military agendas. However emails from DARPA's Safe Genes Manager Renee Wegryzn suggests that Target Malaria's Andrea Crisanti may also be either a lead grantee or subcontractor for DARPA's Safe Genes project.¹⁴ At the 'kickoff' meeting for DARPA gene drive grantees, Andrea Crisanti of Target Malaria is listed as one of eight "Safe Genes Performer" presentations.¹⁵ In other emails, the term "Safe Genes Performer" is used to designate teams under a funding contract with DARPA's Safe Genes program¹⁶; "Performer" appears to be the agencies' specific term for "grantee," defined: "an "R&D Performer" is a contractor that is under contract to DARPA to perform specific research and development related to a specific program. This definition includes both prime and subcontractors."¹⁷

All other seven "Safe Genes Performers" have publicly announced that they are receiving DARPA funding. No such announcement has been made regarding **Target Malaria/Imperial College**.¹⁹ DARPA has also convened a project called LEEDR, initiated via a presentation by Delphine Tizzy of Target Malaria. **LEEDR** focuses on **societal engagement** around gene drives, but is intended exclusively for the DARPA's "Safe Genes community"¹⁸.

DARPA gene drive funds cause internal conflict and spin guidelines: The Gene Drive Files also reveal conflict about the lead role that U.S. military funding is taking. Todd Kuiken of North Carolina State University, listed in the files as a key member of the GBIRD consortia (developing gene drive mice), openly railed in press against the impact of DARPA's investment in "militarizing the environment," pointing out that **the UN Environmental Modification Convention (ENMOD)** may be being **violated**.²¹

GBIRD however receives \$6.4 million of DARPA funds, prompting Heath Packard of the **NGO Island Conservation** (and also GBIRD's Public Relations representative) to complain that "The lack of communications internally (NCSU & GBIRD) prior to this story publishing, the timing of the story, and the partners/stakeholder/donor fallout related to this story are **concerning**."²²

He repeatedly asked Kuiken to "pull for the team"²³ and "Please do all you can to avoid criticizing GBIRD and our **pursuit of DARPA**,"²⁴ suggesting that Kuiken instead publicly "acknowledge we have so much more to do and many aspects of the project that require different colored money."²⁴ The Gene Drive Files also include extensive "recommended strategy and talking points"²⁵ prepared by Packard who explains that he is "available for consultation and coaching if we find **ourselves under attack in the media by detractors** concerned about the 'color' of the DARPA funding." Packard anticipates the researchers will receive **morality** questions about how they could pursue this technology "knowing that the U.S. Dept. of Defense has obviously concluded that it will be **used for nefarious** (dual-use) purposes, maybe against our own people?" He advises gene drive researchers to respond with sweeping statements about the team's good intentions, to point to DARPA's past role in funding the internet and GPS and to answer difficult questions with the deflecting statement: "Those are the exact types of questions we endeavor to answer in this investigation."

References:

1. "Renee said the Safe Genes projects account for \$65M, but then mentioned with all other support in the room it was \$100M." See File: [AS notes on DARPA safe genes rollout san diego may 2 2017](#)
2. It had already been publicly disclosed that DARPA's Safe Genes Project had awarded \$65 million – see [Nature.com](#)
3. The other known major investors in **gene drives are the Bill And Melinda Gates Foundation** in conjunction with the Federal National Institutes of Health (FNIH) who have invested \$75 million into Target Malaria Consortium, Tata Trusts which made a \$70 million donation to UC San Diego to establish a center of research on gene drives and 'active genetics,' the Open Philanthropy Project which provided \$17.5 million to Project Malaria and just over \$1.2 million to FNIH, and The European Union which grants 1.5 million Euros to Target Malaria researchers.
4. The key patent holders for CRISPR are the Doudna Lab at University of Berkeley, The Broad Institute and Harvard's Church lab/ Wyss Institute. DARPA Safe Genes Project funds all of these
5. Budget emails make it clear that DARPA funds awarded to GBIRD are being channeled to CSIRO and the Safe Genes Announcement also mentions University of Adelaide as a recipient. See files: [20170414-FW North Carolina State University \(NCSU\) Proposal Restoring Ecosystems and Biodiversity through Development of Safe a \(N0023940xC1D49\).PDF](#) and also [20170718-Re EMBARGO COPY – DARPA Safe Genes press release-89.pdf](#)
6. The Agenda for Safe Genes kickoff event identifies Mike Bonsall of University of Oxford as a 'seedling' grant and Andreas Crisanti of Project Maria as a "Safe Genes Performer." See file: [DARPA safe genes schedule for May2-4 2017 rollout.pdf](#)
7. For information on JASON studies, see file: [20170614-Re JASON Gene Drive study-197.pdf](#)
8. For Agenda of JASON study meetings, see file: [Gene Drive agenda.docx](#)

9. Email from Royden Saah -"Army Corps of Engineers – Several of us met with the Army Corps of Engineers just before the DARPA proposers' day in DC. They are convening a meeting in Massachusetts on safety aspects of synthetic biology releases in May." See file: [20170717-Re \[gbird\] Update – Engagements – and Other Important Items-101.pdf](#)
10. See file: [20170403-Gene Drive Breakout group – Army Corps Workshop in May-299](#)
11. "This project, funded by the Engineer Research and Development Center Environmental Laboratory of the Army Corps of Engineers." See file: [Postdoc – Synthesizing Engagement for SynBio.pdf](#)
12. [20170716-FW \[gbird\] Update – Engagements – and Other Important Items-472.pdf](#)
13. [20170716-FW \[gbird\] Update – Engagements – and Other Important Items-472.pdf](#)
14. "In speaking with Luke Alphey and Andrea Chrisan [sic] this week, it is clear that the PIs are not pushing down the invite instructions to the subs." See file: [20170406-Fwd DARPA Safe Genes Kick Off- Hotel Deadline FRIDAY-314 \(N0024093xC1D49\).PDF](#)
15. In the Safe Genes Kickoff Agenda, Andrea Crisanti speaks for 20 mins on Day 1 and is listed as "Safe Genes Performer Presentation: Controlling and Countering Gene Editing in Mosquitos." See file: [DARPA safe genes schedule for May2-4 2017 rollout.pdf](#)
16. "For this reason, the audience for the kickoff meeting will include not only Safe Genes performers, but also DARPA- funded small businesses and DARPA Young Faculty Awardees, along with performers from other relevant DARPA programs.... Because not all performers will be under contract by the time of the meeting, DARPA will not be publicizing the kickoff meeting." See file [20170419-Fwd DARPA Safe Genes Press Release Guidance-215.pdf](#)
17. <http://www.jhuapl.edu/vendorforms/forms/DARPA%20OCI%20Certification.pdf>
18. [20170629-Invite to LEEDR Webinar on July 19-279.pdf](#)
19. <http://targetmalaria.org/who-we-are/>
20. See <http://targetmalaria.org/who-we-are/> and click on Ethics Advisory Committee: "Claire joined BAE Systems in January 2014 as Group Communications Director and is a member of the BAE Systems plc Executive Committee."
21. Todd Kuiken, "[DARPA's Synthetic Biology initiatives Could Militarize the Environment. Is this something we are comfortable with?](#)" Slate. May 3rd 2017.
22. See file [20170503-Mtg. Request-628.pdf](#)
23. See file: [20170713-FW QUICK TURN DARPA REQUEST – Press Release-115.pdf](#)
24. See file: [20170718-Re DARPA announcement-19.pdf](#)
25. See file: [20170716-Re QUICK TURN DARPA REQUEST – Press Release-370.pdf](#)

CATEGORIES UNCATEGORIZED

21.3 Protein Degradation, Bioweapons & Bioeconomy – UK/Israel/China


*Note: The Ubiquitin system for protein degradation breaks down proteins governing almost all major functions of the cell, could **well be a bioweapon** if used to harm people. This project specifies US, UK and Israeli researchers, it is not open to the world scientific community. Key extracts:*

*"...Founded in 1972 by an agreement between the **United States and Israel**, the BSF is an independent body, directed by a board of governors consisting of five American and five Israeli members. However the collaboration invites China to be involved. This is very concerning statement, it means biotechnology companies from the United States, Israel and China are working together on a technology that could be **used as a bioweapon to harm people**. Its base of operation is in Israel....Grants are made on a competitive, peer reviewed basis, juried by leading scientists from the U.S., Israel and around the world. Eligible projects must demonstrate outstanding scientific merit and clear collaboration between Israeli and American researchers from institutions throughout the two countries. Since its inception, the BSF has awarded over \$700 million (in today's value) to over 5,400 research projects of the highest quality. Many of these have led to important scientific, medical and technological breakthroughs with wide-ranging practical applications...Nobel-winning discovery of critical cell function. The 2004 Nobel Prize for Chemistry was awarded to Profs. Avram Hershko and Aaron Ciechanover (Technion), together with Prof. Irwin Rose (UC Irvine), for their joint discovery of the ubiquitin system for protein degradation, which regulates the breakdown of proteins governing almost all major functions of the cell...*

We are pleased to announce a call for international partnerships involving researchers from the UK, and US, China and/or Israel under the Ecology and Evolution of Infectious Diseases programme (EEID). The funders wish to encourage high quality, innovative research conducted by transdisciplinary teams of researchers on the ecological, evolutionary, and social drivers that influence the transmission dynamics of infectious diseases of animals, humans and plants.

The central theme of submitted projects must be the quantitative or computational understanding of pathogen transmission dynamics. The collaborative proposals must include researchers from the UK and the US and can include researchers from Israel and China.

Applications for both research projects and Research Coordination Networks that involve researchers from the UK and US, China and/or Israel will be considered.



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> Our impact

> Search awarded grants

> Responsive mode

Deadline: 23 June 2020

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Strategic Longer and Larger grants: Frontier bioscience 2020/21
Deadline: 10 September 2020

Ecology and Evolution of Infectious Diseases 2020
Deadline: 18 November 2020

TRDF: Transformative Research Technologies
Deadline: 8 October 2020

Advanced Pain Discovery Platform - Expression of Interest for Multidisciplinary Consortia for Data Generation
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国家自然科学基金委员会
National Natural Science Foundation of China

UK-US collaborative funding

Call status: Open

Application deadline: 18 November 2020, 17:00 (GMT)

Summary

UKRI (BBSRC, ESRC, EPSRC, MRC and NERC), in collaboration with:

- ♦ National Science Foundation (NSF),
- ♦ National Institutes of Health (NIH),
- ♦ U.S. Department of Agriculture (USDA),
- ♦ United States - Israel Binational Science Foundation, and
- ♦ National Natural Science Foundation of China (NSFC),

We are pleased to announce a **call for international partnerships** involving researchers from the **UK, and US, China and/or Israel** under the Ecology and Evolution of Infectious Diseases programme (EEID).

Scope

The funders wish to encourage high quality, innovative research conducted by transdisciplinary teams of researchers on the **ecological, evolutionary, and social drivers that influence the transmission dynamics of infectious diseases of animals, humans and plants**. The central theme of submitted projects must be the quantitative or computational understanding of **pathogen transmission dynamics**.

The collaborative proposals **must include** researchers from the UK and the US and can include researchers from Israel and China. Applications for both research projects and Research Coordination Networks that involve researchers from the UK and US, China and/or Israel will be considered.

Further information on the scope of the call and how to apply can be found on the [NSF website](#).

UK component

It is strongly recommended that proposals demonstrate good integration of mathematical, computational and social scientists with life scientists **interested in infectious diseases of humans, animals and plants** (for example: biologists, ecologists, natural scientists, plant scientists, clinicians and veterinarians etc). UKRI are also keen to encourage proposals with a focus on animal **and** human Coronaviruses, including SARS-CoV-2, although applications focusing on **other pathogens** are also welcome.

The collaborative projects must include a **US investigator who will lead** the submission through the NSF process. The UK component of the collaborative projects will be assessed through the NSF peer review process and **funded by BBSRC** on behalf of UKRI funding councils (EPSRC, ESRC, NERC, and MRC).

How to apply

Applicants should contact the main UK Programme Officer at UKRI-BBSRC to discuss the remit of their proposal and to confirm that the UK component is appropriate. Contact details for the UKRI Programme Officer can be found below.

of external websites

- ♦ Gateway to Research
- ♦ NSF: Ecology and Evolution of Infectious Diseases (EEID)
- ♦ researchfish

Applications must be submitted *via* the NSF. Application preparation and submission instruction can be found on the [NSF website](#).

For UK Applicants: Costing for the UK component of the project should be entered on the **Je-S system** but the Je-S form should not be formally 'submitted' electronically to BBSRC at this stage. The completed PDF documents (Je-S proforma and CVs) should be printed/ downloaded and forwarded to the US Principal Investigator for inclusion as a supplementary document in the overall proposal and an electronic copy of the document emailed to BBSRC (for further information see supplementary guidance).

External contact US

Katharina Dittmar, Program Director, DEB/NSF

kdittmar@nsf.gov

Tel: 001 (703) 292 7799

Samuel Scheiner, Program Director, DEB/NSF

sscheine@nsf.gov

Tel: 001 (703) 292 7175

Contact

Iain Templeman

iain.templeman@bbsrc.ukri.org

01793 413368

Related calls: [systems biology](#) [plants](#) [research technologies](#) [microbes](#) [agriculture](#) [animal health](#) [collaboration](#) [crops](#) [livestock](#) [multidisciplinary](#) [partnerships](#) [data](#)

Collaboration between Israeli and U.S. researchers

<https://www.bsf.org.il/about/>

The **U.S.-Israel Binational Science Foundation (BSF)** promotes **scientific relations** between the U.S. and Israel by supporting collaborative research projects in a wide range of basic and applied scientific fields, for peaceful and non-profit purposes.

Founded in 1972 by an agreement between the United States and Israel, the BSF is an independent body, directed by a board of governors consisting of five American and five Israeli members. Its base of operation is in Israel.

Funding for the research derives from the annual interest on an endowment contributed in equal parts by the two countries. Grants are made on a competitive, peer reviewed basis, juried by leading scientists from the U.S., Israel and around the world. Eligible projects must demonstrate outstanding scientific merit and clear collaboration between Israeli and American researchers from institutions throughout the two countries.

Since its inception, the BSF has awarded over **\$700 million** (in today's value) to over **5,400 research projects** of the highest quality. Many of these have led to **important scientific, medical and technological breakthroughs** with wide-ranging practical applications.

[Scientific Achievements](#)

Nobel-winning discovery of critical cell function

The 2004 Nobel Prize for Chemistry was awarded to Profs. Avram Hershko and Aaron Ciechanover (Technion), **together with Prof. Irwin Rose** (UC Irvine), for their joint discovery of the ubiquitin system for **protein degradation**, which regulates the **breakdown of proteins** governing almost all major functions of the cell.

The **cooperation** between the Israeli and American research groups was made possible by continuous support by the BSF for some 15 years; Prof Hershko himself received uninterrupted BSF support for a period of 24 years.

These breakthroughs have already produced a potentially life-saving drug: in 2003 the U.S. Food and Drug Administration (FDA) approved a new drug called **Velcade**, an injection-based treatment for multiple myeloma cancer of the bone marrow, that affects more than 15,000 Americans each year. More widespread applications are now anticipated for such diseases **as asthma, arthritis, multiple sclerosis as well as degenerative illnesses such as Alzheimer's and Parkinson's.**

These discoveries also earned Profs. Ciechanover and Hershko the prestigious Albert Lasker Award for Basic Medical Research (the "American Nobel") in 2000.

21.4 Protein Degradation is a Bioweapon

*Note: Proteins are the building blocks of life, to degrade this molecule is to destroy life. It could wipe out our civilisation. I suspect that is the plan. It is notable that HPV is a DNA gene which integrates into the host genome associated with alterations in DNA. This changes the DNA. HPV causes cancer. E6 promotes cell death. E6 also has a close relationship with the cellular protein E6-associated protein (E6-AP), which is involved in the **ubiquitin ligase** pathway, a system that acts to degrade proteins.*

Surprisingly the article mentions ubiquitin as a bioweapon. This is about Protein degradation can be used as a bioweapon.

The following is an extract from Wikipedia overviewing HPV. HPV is in every person, it is the most sexually transmitted virus. If the person is exposed to HIV or DNA damage then cell death is promoted. What happens if a bioweapon is spliced with HIV? What happens with cell phone use? Smart Meters? 5G? Wi-Fi? – cell damage. Who benefits from cancer?

HPV is believed to **cause cancer both by integrating into DNA** and in **non-integrated episomes**.^[citation needed] Some of the "early genes" carried by the HPV virus, such as genes E6 and E7, act as **oncogenes** that **promote tumor growth** and **malignant transformation**. Furthermore, HPV can induce a **tumorigenic** process through integration into a host genome which is associated with alterations in DNA copy number.^[43]

E6 produces a protein (also called E6) that binds to and inactivates a protein in the host cell called **p53**. Normally, p53 acts to prevent cell growth, **and promotes cell death in the presence of DNA damage**. p53 also upregulates the p21 protein, which blocks the formation of the **cyclin D/Cdk4** complex, thereby preventing the phosphorylation of RB, and in turn, halting cell cycle progression by preventing the activation of **E2F**. In short, **p53 is a tumor-suppressor protein** that arrests the cell cycle and prevents cell growth and survival when DNA damage occurs. Thus, inactivation of p53 by E6 can promote unregulated cell division, cell growth, and cell survival, characteristics of cancer.

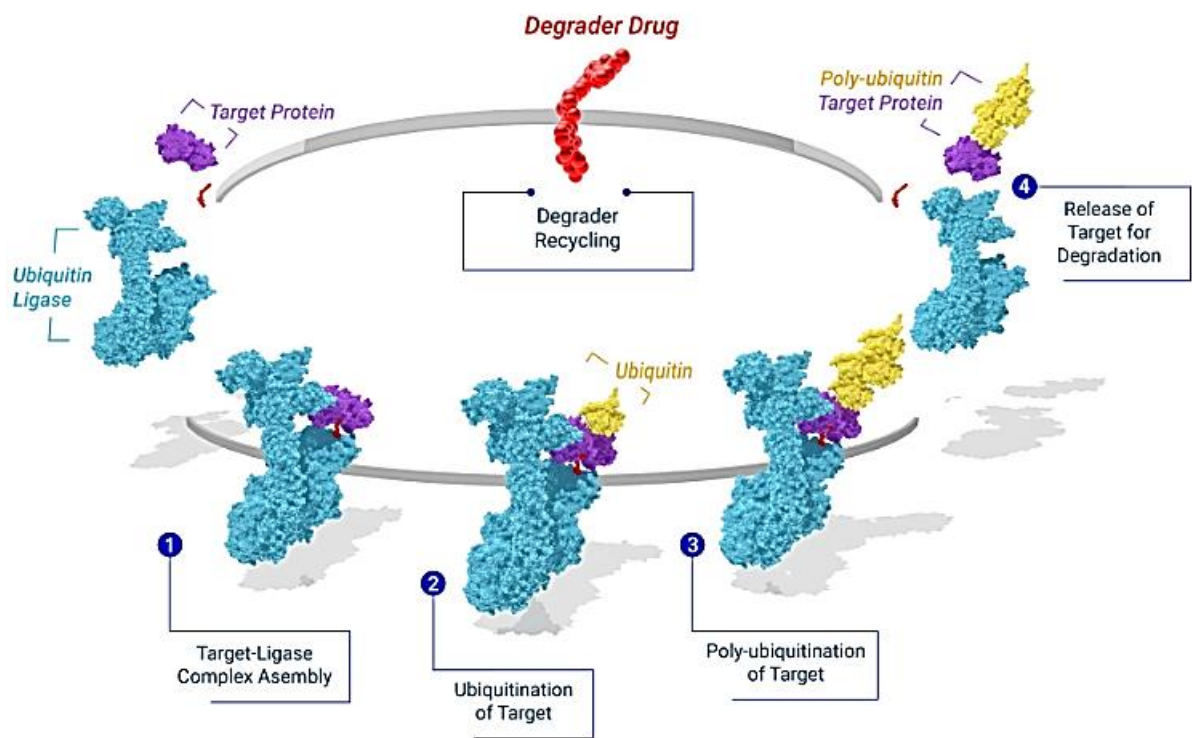
E6 also has a close relationship with the **cellular protein E6-associated protein (E6-AP)**, which is involved in the **ubiquitin ligase** pathway, a system that acts to **degrade proteins**. E6-AP binds ubiquitin to the p53 protein, thereby flagging it for **proteosomal** degradation.

Studies have also shown a link between a wide range of HPV types and squamous cell carcinoma of the skin. In such cases, *in vitro* studies suggest that the E6 protein of the HPV virus may inhibit apoptosis induced by ultraviolet light.^[44]

The ubiquitin system for **protein degradation**, which regulates the breakdown of proteins governing almost all major functions of the cell.

The Ubiquitin system for **protein degradation** breaks down proteins governing almost all major functions of the cell, **could well be a bioweapon if used to harm people**.

Proteins are the building blocks of life, to degrade this molecule is to destroy life. It could wipe out our civilisation. I suspect that is the plan.

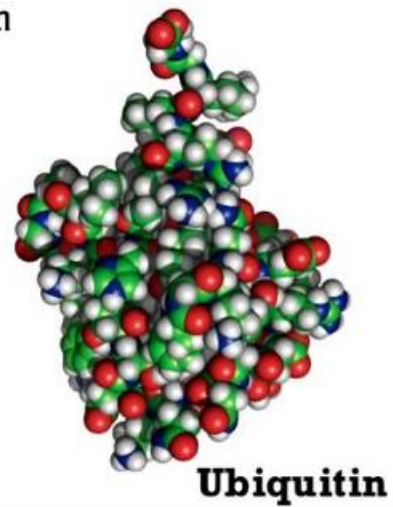
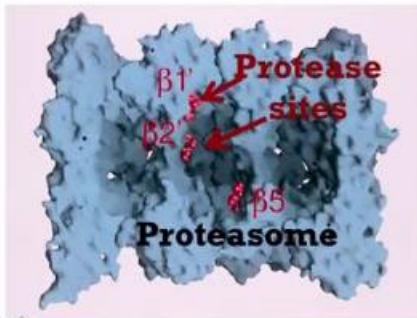


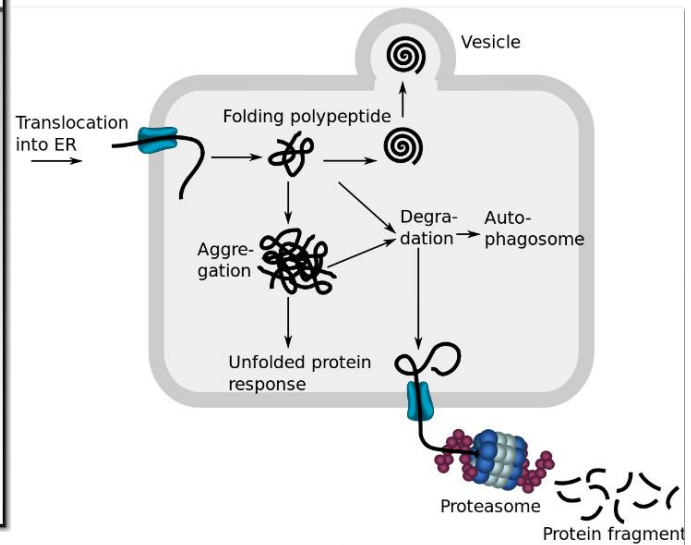
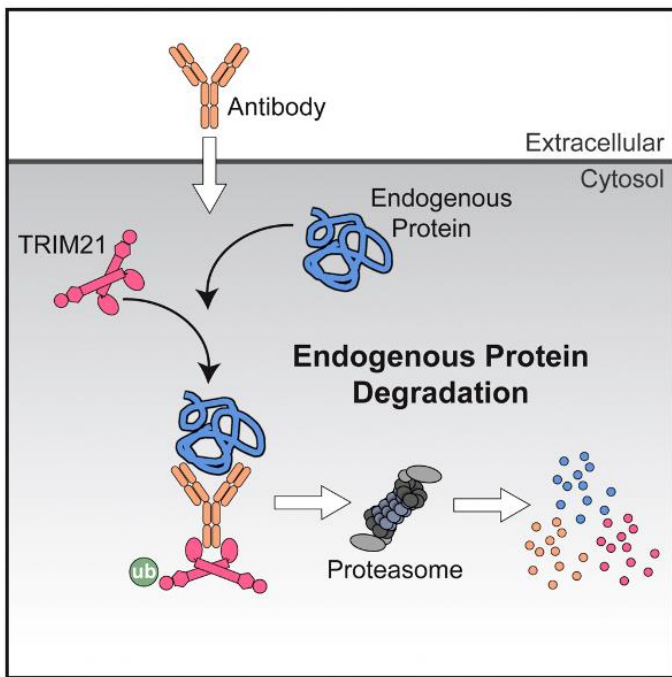
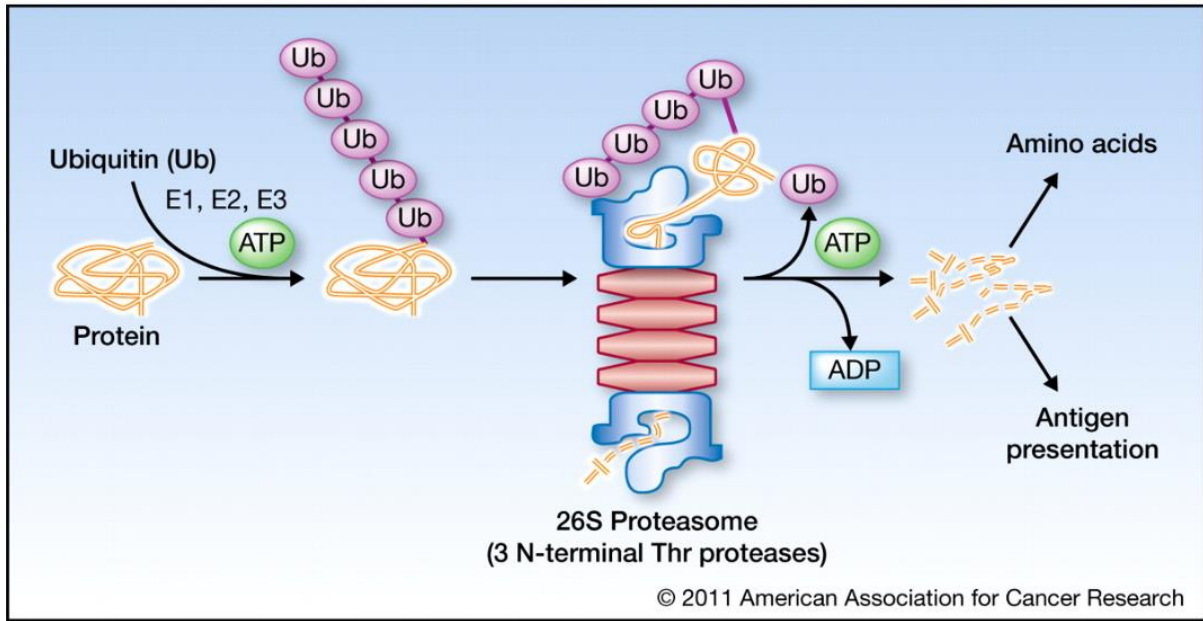
+ Protein Degradation



■ Two mechanisms of protein degradation

- Proteasome
 - Barrel-shaped, multiprotein complex
 - In cytoplasm
 - Protein to be degraded 1st tagged with ubiquitin
 - Attached to Lys side chain of protein





21.5 Chan Zuckerberg: Targeted Degradation of SARS-CoV-2

Chan Zuckerberg: Targeted Degradation of SARS-CoV-2 via Computationally-Optimized Peptides⁵⁷

National Institute of Allergy and Infectious Diseases/NIH

[Research](#)

MIT

In this Project:

[Overview](#)

[Updates](#)

[People](#)

[Publications](#)

[Overview](#)

[Updates](#)

[People](#)

[Publications](#)

The research described here has been published on a preprint server but has not yet been peer-reviewed by scientific or medical experts.

The COVID-19 pandemic, **caused** by the novel coronavirus SARS-CoV-2, has elicited a global health crisis of catastrophic proportions. With **no approved cure** or vaccine currently available, there is a critical need for effective **antiviral** strategies. In this study, we report a novel antiviral platform, through **computational design of ACE2-derived peptides** which both target the viral spike protein receptor binding domain (RBD) and recruit E3 ubiquitin ligases for subsequent **intracellular degradation** of SARS-CoV-2 in the proteasome. Our engineered peptide fusions demonstrate robust RBD degradation **capabilities** in human cells, thus prompting their further experimental characterization and therapeutic development.

⁵⁷<https://www.media.mit.edu/projects/targeted-degradation-of-sars-cov-2-via-computationally-optimized-peptides/overview/>



bioRxiv is receiving many new papers on coronavirus SARS-CoV-2. A reminder: these are preliminary reports that have not undergone peer review. They should not be used to guide clinical practice/health-related behavior, or be reported in news media as established information.

New Results

[Comment on this paper](#)

Targeted Intracellular Degradation of SARS-CoV-2 RBD via Computationally-Optimized Peptide Fusions

Pranam Chatterjee, Manvitha Ponnampati, Joseph M. Jacobson

doi: <https://doi.org/10.1101/2020.06.01.127829>

This article is a preprint and has not been certified by peer review [what does this mean?].

Abstract

Full Text

Info/History

Metrics

Preview PDF

Abstract

The COVID-19 pandemic, caused by the novel coronavirus SARS-CoV-2, has elicited a global health crisis of catastrophic proportions. With no approved cure or vaccine currently available, there is a critical need for effective antiviral strategies. In this study, we report a novel antiviral platform, through computational design of ACE2-derived peptides which both target the viral spike protein receptor binding domain (RBD) and recruit E3 ubiquitin ligases for subsequent intracellular degradation of SARS-CoV-2 in the proteasome. Our engineered peptide fusions demonstrate robust RBD degradation capabilities in human cells, thus prompting their further experimental characterization and therapeutic development.

Competing Interest Statement

P.C. and J.M.J. are listed inventors for a provisional patent application entitled "Minimal Peptide Fusions for Targeted Intracellular Protein Degradation."

Paper in collection [COVID-19 SARS-CoV-2 preprints from medRxiv and bioRxiv](#)

All Articles

Animal Behavior and Cognition
Biochemistry
Bioengineering
Bioinformatics
Biophysics
Cancer Biology
Cell Biology
Clinical Trials*
Developmental Biology
Ecology
Epidemiology*
Evolutionary Biology
Genetics
Genomics
Immunology
Microbiology
Molecular Biology
Neuroscience
Paleontology
Pathology
Pharmacology and Toxicology
Physiology
Plant Biology
Scientific Communication and Education
Synthetic Biology
Systems Biology
Zoology

* The Clinical Trials and Epidemiology subject categories are now closed to new submissions following the completion of bioRxiv's clinical research pilot project and launch of the dedicated health sciences server medRxiv (submit.medrxiv.org). New papers that report results of Clinical Trials must now be submitted to medRxiv. Most new Epidemiology papers also should be submitted to medRxiv, but if a paper contains no health-related information, authors may choose to submit it to another bioRxiv subject category (e.g., Genetics or Microbiology).

Supported by **Chan
Zuckerberg
Initiative** 

21.6 Building a Bioeconomy

Note: The Ubiquitin system for **protein degradation** breaks down proteins governing almost all major functions of the cell, **could well be a bioweapon if used to harm people**. This project specifies US, UK and Israeli researchers, it is not open to the world scientific community. Key extracts: "...Founded in 1972 by an agreement between the **United States and Israel**, the BSF is an independent body, directed by a board of governors consisting of five American and five Israeli members. Its base of operation is in Israel...Grants are made on a competitive, peer reviewed basis, juried by leading scientists from the U.S., Israel and around the world. Eligible projects must demonstrate outstanding scientific merit and clear collaboration between Israeli and American researchers from institutions throughout the two countries. Since its inception, the BSF has awarded over \$700 million (in today's value) to over 5,400 research projects of the highest quality. Many of these have led to important scientific, medical and technological breakthroughs with wide-ranging practical applications...Nobel-winning discovery of critical cell function. The 2004 Nobel Prize for Chemistry was awarded to Profs. Avram Hershko and Aaron Ciechanover (Technion), together with Prof. Irwin Rose (UC Irvine), for their joint discovery of the ubiquitin system for protein degradation, which regulates the breakdown of proteins governing almost all major functions of the cell.

The screenshot shows the UKRI website's 'Building the bioeconomy' section. At the top, there is a search bar and navigation links for 'Accessibility' and 'Contact us'. Below the header, a menu includes 'Funding', 'Research', 'Innovation', 'Skills', 'Public engagement', 'News, events and publications', and 'About us'. The main content area features a large image of green bacteria with the text 'nds show promise in search for tuberculosis antibiotics'. To the right, there are several call-to-action buttons: 'Big Ideas Pipeline', 'Our impact', 'Search awarded grants', and 'Responsive mode'. Below these, a 'Highlighted calls' section lists various funding opportunities with their respective deadlines, such as 'Research and Innovation Ideas to Address COVID-19 in the UK and in Low- and Middle-Income Countries' (Deadline: Apply at any time) and 'Strategic Longer and Larger grants: Frontier bioscience 2020/21' (Deadline: 10 September 2020). At the bottom, there are three smaller news stories: 'Handover signals the completion of the new Aberystwyth Innovation and Enterprise bioscience campus', 'Space to grow, or grow in space - how vertical farms could be ready to take-off', and 'Helping fight bacterial diseases threatening food production and tree health'. A 'Je-S Gateway to Research' logo is also visible.

Ecology and Evolution of Infectious Diseases 2020



Biotechnology and
Biological Sciences
Research Council



UKRI UK Research
and Innovation



National Institutes of Health
Turning Discovery Into Health



国家自然科学基金委员会
National Natural Science Foundation of China

UK-US collaborative funding

Call status: Open

Application deadline: 18 November 2020, 17:00 (GMT)

Summary

UKRI (BBSRC, ESRC, EPSRC, MRC and NERC), in collaboration with:

- ♦ National Science Foundation (NSF),
- ♦ National Institutes of Health (NIH),
- ♦ U.S. Department of Agriculture (USDA),
- ♦ United States - Israel Binational Science Foundation, and
- ♦ National Natural Science Foundation of China (NSFC),

We are pleased to announce a **call for international partnerships** involving researchers from the **UK, and US, China and/or Israel** under the Ecology and Evolution of Infectious Diseases programme (EEID).

Scope

The funders wish to encourage high quality, innovative research conducted by transdisciplinary teams of researchers on the **ecological, evolutionary, and social drivers that influence the transmission dynamics of infectious diseases of animals, humans and plants**. The central theme of submitted projects must be the quantitative or computational understanding of **pathogen transmission dynamics**.

The collaborative proposals **must include** researchers from the UK and the US and can include researchers from Israel and China. Applications for both research projects and Research Coordination Networks that involve researchers from the UK and US, China and/or Israel will be considered.

Further information on the scope of the call and how to apply can be found on the [NSF website](#).

UK component

It is strongly recommended that proposals demonstrate good integration of mathematical, computational and social scientists with life scientists **interested in infectious diseases of humans, animals and plants** (for example: biologists, ecologists, natural scientists, plant scientists, clinicians and veterinarians etc). UKRI are also keen to encourage proposals with a focus on animal **and** human Coronaviruses, including SARS-CoV-2, although applications focusing on **other pathogens** are also welcome.

The collaborative projects must include a **US investigator who will lead** the submission through the NSF process. The UK component of the collaborative projects will be assessed through the NSF peer review process and **funded by BBSRC** on behalf of UKRI funding councils (EPSRC, ESRC, NERC, and MRC).

How to apply

Applicants should contact the main UK Programme Officer at UKRI-BBSRC to discuss the remit of their proposal and to confirm that the UK component is appropriate. Contact details for the UKRI Programme Officer can be found below.

Applications must be submitted via the NSF. Application preparation and submission instruction can be found on the [NSF website](#).

of external websites

- ♦ Gateway to Research
- ♦ NSF: Ecology and Evolution of Infectious Diseases (EEID)
- ♦ researchfish

For UK Applicants: Costing for the UK component of the project should be entered on the **Je-S system** but the Je-S form should not be formally 'submitted' electronically to BBSRC at this stage. The completed PDF documents (Je-S proforma and CVs) should be printed/ downloaded and forwarded to the US Principal Investigator for inclusion as a supplementary document in the overall proposal and an electronic copy of the document emailed to **BBSRC** (for further information see supplementary guidance).

External contact US

Katharina Dittmar, Program Director, DEB/NSF

kdittmar@nsf.gov

Tel: 001 (703) 292 7799

Samuel Scheiner, Program Director, DEB/NSF

sscheine@nsf.gov

Tel: 001 (703) 292 7175

Contact

Iain Templeman

iain.templeman@bbsrc.ukri.org

01793 413368

Related calls: [systems biology](#) [plants](#) [research technologies](#) [microbes](#) [agriculture](#) [animal health](#) [collaboration](#) [crops](#) [livestock](#) [multidisciplinary](#) [partnerships](#) [data](#)

Collaboration between Israeli and U.S. researchers

<https://www.bsf.org.il/about/>

The **U.S.-Israel Binational Science Foundation (BSF)** promotes **scientific relations** between the U.S. and Israel by supporting collaborative research projects in a wide range of basic and applied scientific fields, for peaceful and non-profit purposes.

Founded in 1972 by an agreement between the United States and Israel, the BSF is an independent body, directed by a board of governors consisting of five American and five Israeli members. Its base of operation is in Israel.

Funding for the research derives from the annual interest on an endowment contributed in equal parts by the two countries. Grants are made on a competitive, peer reviewed basis, juried by leading scientists from the U.S., Israel and around the world. Eligible projects must demonstrate outstanding scientific merit and clear collaboration between Israeli and American researchers from institutions throughout the two countries.

Since its inception, the BSF has awarded over **\$700 million** (in today's value) to over **5,400 research projects** of the highest quality. Many of these have led to **important scientific, medical and technological breakthroughs** with wide-ranging practical applications.

[Scientific Achievements](#)

Nobel-winning discovery of critical cell function

The 2004 Nobel Prize for Chemistry was awarded to **Profs. Avram Hershko and Aaron Ciechanover** (Technion), **together with Prof. Irwin Rose** (UC Irvine), for their joint discovery of the ubiquitin system for **protein degradation**, which regulates the breakdown of proteins governing almost all major functions of the cell.

The cooperation between the Israeli and American research groups was made possible by continuous support by the BSF for some 15 years; Prof Hershko himself received uninterrupted BSF support for a period of 24 years.

These breakthroughs have already produced a potentially life-saving drug: in 2003 the U.S. Food and Drug Administration (FDA) approved a new drug called Velcade, an injection-based treatment for multiple myeloma cancer of the bone marrow, that affects more than 15,000 Americans each year. More widespread

applications are **now anticipated** for such diseases as **asthma, arthritis, multiple sclerosis as well as degenerative illnesses such as Alzheimer's and Parkinson's.**

These discoveries also earned Profs. Ciechanover and Hershko the prestigious Albert Lasker Award for Basic Medical Research (the "American Nobel") in 2000.

22.0 VIRULENT STRAIN RELEASED IN UK – MERS?

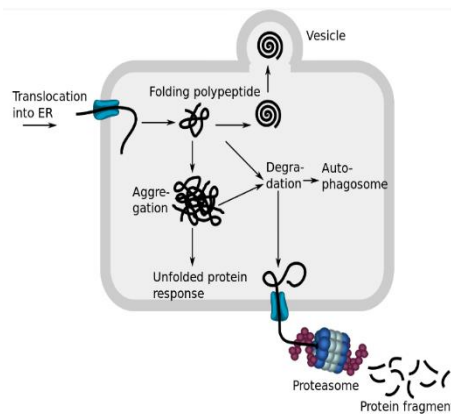
22.1 MERS is Next Pandemic: Will MERS Be Release in 2021?

In 2020 the Bill & Melinda Gates Foundation patented MERS – Middle Eastern Respiratory Syndrome. The evidence in the reports is pointing to the fact that SARS-COV-2 is lab created and is a bioweapon. The purpose of the bioweapon is to collapse economic systems. GAVI and CEPI and other vested interests are pushing for mandatory vaccines of the entire global population. If there is what they term “vaccine hesitancy” they could use methods of identifying more cases, which is suggested by experts including the inventor of RT-PCR testing is not to be used to identify viruses. The false testing could be used to lockdown a society or create hotspots to shutdown any activity that opposes the dominant narrative. If this was to occur it could be considered a form of coercion to uptake vaccines. These are not traditional vaccines they are DNA/RNA technologies that inhibit disease they do not cure or create long term immunity. They are experimental and have not had a long enough lead time to test for safety. There is concern by intelligence analysts that they may inject nanotechnologies into the human cell and change the DNA which could open up the human genome to becoming patented. This means they own every person on earth. This is no conspiracy theory. As the patent section makes clear they only need change the natural genome to render it different to have it patented. British Crown company Serco controls the US Patent Office and this could feasibly occur given the larger agenda alleged in the research of a New World Order. There is considerable narrative around Pandemic 2 or the next one and reasons why we are to prepare. The evidence suggests it will be a deliberate release with between 30-90% fatality rate.

Excerpts from Submission Reports

In the reports there is evidence that there is an expectation of not so much a next wave but another pandemic (new viral strain). Excerpts have been taken from the reports, as follows:

Refer COVID 19(84) Report:



The Ubiquitin system for protein degradation breaks down proteins governing almost all major functions of the cell, could well be a bioweapon if used to harm people. This project specifies **US, UK and Israeli researchers**, it is not open to the world scientific community. We are pleased to announce a call for international partnerships involving researchers from the UK, and US, China and/or Israel under the Ecology and **Evolution of Infectious Diseases** programme (EEID). The funders wish to encourage high quality, innovative research conducted by transdisciplinary teams of researchers on the ecological, evolutionary, and social drivers that influence the transmission dynamics of infectious diseases of animals, humans and plants.

The ubiquitin system for **protein degradation**, which regulates the breakdown of proteins governing almost all major functions of the cell. The Ubiquitin system for **protein degradation** breaks down proteins governing almost all major functions of the cell, **could well be a bioweapon if used to harm people**. Proteins are the building blocks of life, to degrade this molecule is to destroy life. It could wipe out our civilisation. I suspect that is the plan.

Corruption Report:

This statement is key: *"No! We cannot tolerate another lockdown!"*

Bill Gates announces: *"No problem! The vaccine is ready."*

The CDC and FDA say: *"We have approved the vaccine. Anyone who takes it will be given an immunity passport and allowed to return to work."*

As an added inducement, those taking the inoculation might be **excused from mask requirements**. The public now eagerly lines up for shots. They were already acclimated to the *"new normals"* of masks and social distancing during the first lockdown. It was one thing to stand outside a grocery store for an hour in April; who'd want that in January?

If the Deep State has its way, we would then also see all the other measures Gates and his cronies advocate: forced quarantines mandated by contact tracers; quantum-dot tattoos serving as vaccination proof; digital IDs; and a **"global reset" ushering in a cashless society**. (*Corruption report*)

Industry Report 2a

Contagion – Dr Lipkin

it seems to me to be increasing, on the order of every three to five years. So, I am hoping that people will carry forward the lessons of the wild animal markets, *data sharing* and improvements for platforms of vaccines so that **when the next one comes**, we'll be in better shape..."

World Bank Group

Looking ahead from this moment in 2020, it clear that supporting countries building back better means not only helping them reduce the multiple impacts of this crisis, but also **laying the foundations for dealing with the next one**.... To date, the World Bank Group's assistance to fight COVID-19 has now reached 100 developing countries in May 2020, the largest and fastest crisis response in the Group's history. By helping countries build back better, focusing on longer-term pathways, we are not only supporting our clients' efforts to reduce the multiple impacts of this crisis: we are also helping to **lay solid foundations for facing the next one**.

Naming the coronavirus disease (COVID-19) and the virus that causes it

Pandemic means worldwide and can be vaguely contrasted with epidemic which means local. SARS exists in 27 countries. MERS is limited to the Arabian Peninsula. SARS-2 is obviously all over the world, except for 4 tiny areas.

Existing Drugs to Treat COVID-19

Coronaviruses are an extensive group of viruses that infect a wide range of animals and humans. In humans, coronaviruses were first discovered as pathogens of a common cold. They were discovered back in the 1980s. in 2002, the world was shocked by an outbreak of severe coronavirus acute respiratory syndrome, SARS with a clinic of rapidly developing pneumonia, respiratory and renal failure. In 2015, the Middle East respiratory syndrome coronavirus MERS appeared in the Middle East, and the year 2019, "pleased" us with a new strain of coronavirus from Wuhan. The clinic of these coronavirus infections is somewhat remotely similar to the extremely severe variant of acute respiratory viral infection - ARVI.

The previous SARS and MERS viruses, although, they were dangerous, but not so infectious, were not so difficult to tolerate and they led to less amount of death.

World Economic Forum 2019 Event 201 Simulation

The world has seen a growing number of epidemics in recent years, with about 200 events annually including Ebola, Zika, **MERS** and SARS. At the same time, collective vulnerability to the social and economic impacts of infectious disease crises appears to be increasing. Experts suggest there is a growing likelihood of one of these events becoming a global threat – or an *"event 201" pandemic* – that would pose disruptions to health and society and cause average annual economic losses of 0.7% global GDP, similar in scale to climate change.

"We are in a **new era** of epidemic risk, where essential public-private cooperation remains challenged, despite *being necessary* to mitigate risk and impact" said Arnaud Bernaert, Head of Shaping the Future of Health and Health Care, World Economic Forum. "Now is the time to scale up cooperation between national governments, key international institutions and critical industries, to enhance global capacity for preparedness and response."

Jane Halton is the Chair of CEPI and on the government COVID-19 Coordination Commission and was a global leader for Event 201. This is a major conflict of interest and is pre-knowledge of alleged pandemic.

Anti-HIV Combination and Other Existing Drugs

Protease inhibitors are also being tested against a third coronavirus. **Saudi Arabia** now has a carefully designed study underway in which patients with *Middle East respiratory syndrome (MERS)* receive either the lopinavir/ritonavir combination plus interferon beta-1b, which boosts immune responses by unclear mechanisms, or a placebo. MERS is more distant on the family tree of coronaviruses from 2019-nCoV than SARS, however.

And in a mouse study led by **Ralph Baric of the University of North Carolina, Chapel Hill**, and published online in Nature Communications on 10 January, this drug cocktail had decidedly lackluster results. Baric explains that proteins in the human body bind 99% of these protease inhibitors, leaving little of them to fight viruses. "They're effective against HIV because it's so damn sensitive to the drug," Baric says. Coronaviruses, by comparison, are insensitive. "You cannot achieve a free level of drug in a human that will allow it to work."

Baric's study also tested interferon beta-1b with an experimental drug made by Gilead, remdesivir, that interferes with the viral polymerase enzyme. **MERS-infected mice** given this combination fared far better, with reduced viral replication and **improved lung function**. It might work against 2019-nCoV as well.

"Remdesivir has had activity against every coronavirus we've tested, and I'd be surprised if it didn't have activity against this one," says co-author Mark Denison, a virologist at Vanderbilt University who has studied coronaviruses since 1984. (Remdesivir was also tested against Ebola in the Democratic Republic of the Congo last year, but it didn't do nearly as well as two other treatments.)

But the researchers caution that the **mouse model only approximates MERS in humans**. And regardless of which drugs are used, they have a better chance of working if given soon after infection, Denison says. **"The challenge with SARS, MERS, this novel coronavirus,** and other viruses that cause severe pneumonia is the window of opportunity," he says. Remdesivir is good at **knocking down virus** levels in the body, Denison says, "but you have to get to patients early if you want to have significant impact on disease." Many people with respiratory infections only seek care when they develop severe symptoms, however, several days after they get sick"

... The ideal treatment for 2019-nCoV may well be a **drug like remdesivir** plus monoclonal antibodies, Denison says. "The idea of using those in combination would have profoundly good prospects."

Novavax

06/04/2020 – Novavax Awarded *Department of Defense Contract* for COVID-19 Vaccine

It appears there have been solutions:

Middle East respiratory syndrome (MERS)/Severe acute respiratory syndrome (SARS). In 2012, within weeks of obtaining the sequence of the **circulating MERS strain**, we successfully produced a vaccine candidate designed to provide protection. Our MERS candidate was based on the major surface spike protein, which we had previously identified as the antigen of choice in our work with our SARS vaccine candidate. In 2014, in collaboration with the University of Maryland, School of Medicine, we published results showing that our MERS and SARS vaccine candidates both **blocked** infection in laboratory studies. Although not in active development, our MERS and SARS vaccine candidates remain viable opportunities to develop independently or in conjunction with other coronavirus development activities.

Inovio Produces DNA Medicines

ARE INOVIO'S DNA VACCINES BEING USED FOR OTHER INFECTIOUS DISEASES?

INOVIO has seven programs in clinical studies to address infectious diseases, including COVID-19, HIV, Zika, Ebola, Lassa fever, and **MERS** (both COVID-19 and MERS are caused by coronaviruses). These programs are all externally funded by global public health organizations, including the **Coalition for Epidemic Preparedness Innovations (CEPI)**, the **National Institutes of Health (NIH)**, the **Bill & Melinda Gates Foundation**, and the **International Vaccine Institute (IVI)**. For MERS, INOVIO's DNA vaccine INO-4700 is the *first* vaccine to progress to Phase 2 clinical trials. INOVIO also has the first-ever DNA-encoded monoclonal antibody (dMAb), which is in clinical trials targeting the Zika virus.

WHAT IS THE FOCUS OF INOVIO'S DNA MEDICINES PIPELINE?

INOVIO is leveraging its optimized **plasmid design and delivery technology** to develop DNA medicines to treat conditions and diseases associated with HPV, cancer, and infectious diseases. INOVIO's lead compound VGX-3100 is in Phase 3 development for precancerous cervical dysplasia caused by the high-risk HPV genotypes 16/18. VGX-3100 is the first medicine to show destruction/clearance of HPV 16/18 in a Phase 2b study.

Other INOVIO DNA medicines are being studied to treat recurrent respiratory papillomatosis (RRP), a rare, life-long, and potentially life-threatening disease in which tumors obstruct the airway; glioblastoma multiforme (GBM), an aggressive brain malignancy; and several infectious diseases, including COVID-19, **MERS**, Zika, Ebola and Lassa fever.

Why is Defence involved in Health?

For infectious diseases, INOVIO's DNA medicines are being developed with funding from leading government agencies and global public health organizations, including **CEPI and DARPA**, for COVID-19, HIV, Zika, Ebola, Lassa fever, and **MERS** (both COVID-19 and MERS are caused by coronaviruses). And, INOVIO is pioneering the first-ever dMAb plasmid in Phase 1 trials for Zika (INO-A002), in **partnership with the Bill & Melinda Gates Foundation**.

INFECTIOUS DISEASES (NON HPV-ASSOCIATED)

PENNVAX-GP	HM	Gag, pol, env		NIH NIAID HIV VACCINE
INO-4201	Ebola	Glycoprotein		DARPA
INO-4700 (GLS-6300)	MERS	Spike		GENE CEPI
INO-4600 (GLS-6700)	Zika	Glycoprotein		GENE
INO-4500	Lassa Fever	Glycoprotein		CEPI
INO-4800	COVID-19 (Coronavirus)	Spike		CEPI BILL & MELINDA GATES FOUNDATION

Note: DARPA = US Defence Advanced Research Project Agency.

Note: CEPI’s recent announcement revealed that it would fund two pharmaceutical companies — Inovio Pharmaceuticals and Moderna Inc. — as well as Australia’s University of Queensland, which became a partner of CEPI early last year. Notably, the two pharmaceutical companies chosen have close ties to and/or strategic partnerships with DARPA and are developing vaccines that **controversially** involve genetic material and/or gene editing.

The University of Queensland has ties to DARPA, but those ties are not related to the university’s biotechnology research, but instead **engineering and missile development**. ...The top funders of Inovio Pharmaceuticals include both DARPA and the Pentagon’s Defense Threat Reduction Agency (DTRA) and the company has received millions in dollars in grants from DARPA, including a \$45 million grant to develop a vaccine for Ebola.

Inovio specializes in the creation of DNA immunotherapies and DNA vaccines, which contain **genetically engineered DNA** that causes the cells of the recipient to produce an antigen and can **permanently alter a person’s DNA**. Inovio previously developed a DNA vaccine for the Zika virus, but — to date — no DNA vaccine has been approved for use in humans in the United States. Inovio was also recently awarded over \$8 million from the U.S. military to develop a small, portable intradermal device for delivering DNA vaccines jointly developed by Inovio and USAMRIID.

However, the CEPI grant to combat coronavirus may change that, as it specifically funds Inovio’s efforts to continue developing its DNA vaccine for the **coronavirus that causes MERS**. Inovio’s MERS vaccine program **began in 2018** in partnership with CEPI in a deal worth \$56 million. The vaccine currently under development uses “Inovio’s DNA Medicines platform to deliver optimized synthetic antigenic genes into cells, where they are translated into protein antigens that activate an individual’s immune system” and the program is partnered with U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) and the NIH, among others. That program is currently undergoing **testing** in the Middle East. Inovio’s collaboration with the U.S. military in regards to DNA vaccines is nothing new, as their past efforts to develop a DNA vaccine for both Ebola and Marburg virus were also part of what Inovio’s CEO Dr. Joseph Kim called its **“active biodefense program”** that has “garnered multiple grants from the Department of Defense, Defense Threat Reduction Agency (DTRA), National Institute of Allergy and Infectious Diseases (NIAID) [NB: Dr. Fauci], and other government agencies.” CEPI’s interest in increasing its support to this MERS-specific program seems at **odds** with its claim that doing so will combat the current coronavirus outbreak, since MERS and the novel coronavirus in question are not analogous and treatments for certain coronaviruses have been shown to be ineffective against other strains. It is also worth noting that Inovio Pharmaceuticals was the only company selected by CEPI with **direct access to the Chinese pharmaceutical market** through its partnership with **China’s ApolloBio Corp.**, which currently has an exclusive license to sell Inovio-made DNA immunotherapy products to Chinese customers.

Corruption Report

DARPA Coronavirus? Western Hands in the Wuhan Plague

DARPA recently spent millions on research involving **bats and coronaviruses**, as well as gene editing “bioweapons” prior to the recent coronavirus outbreak. Now, “**strategic allies**” of the agency have been chosen to develop a genetic material-based vaccine to halt the potential epidemic.

(extracts on MERS)

In addition, while both **DARPA’s PREEMPT** program and the **Pentagon’s open interest in bats as bioweapons** were announced in 2018, the U.S. military — specifically the Department of Defense’s Cooperative Threat Reduction Program — began funding research involving bats and **deadly pathogens**, including the coronaviruses MERS and SARS, a year prior in 2017. One of those studies focused on “Bat-Borne Zoonotic Disease Emergence in Western Asia” and involved the Lugar Center in Georgia, identified by former Georgian government officials, the Russian government and independent, investigative journalist Dilyana Gaytandzhieva as a **covert U.S. bioweapons lab**.

It is also important to point out the fact that the U.S. military’s key laboratories involving the study of deadly pathogens, including coronaviruses, Ebola and others, was **suddenly shut down last July** after the Center for Disease Control and Prevention (CDC) identified major “biosafety lapses” at the facility.

The U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) facility at Fort Detrick, Maryland — the U.S. military’s lead laboratory for “**biological defense**” research since the late 1960s — was forced to halt all research it was conducting with a series of deadly pathogens after the CDC found that it lacked “sufficient systems in place to decontaminate wastewater” from its highest-security labs and **failure of staff to follow safety procedures**, among other lapses. The facility contains both level 3 and level 4 biosafety labs. While it is unknown if experiments involving coronaviruses were ongoing at the time⁵⁸, USAMRIID has recently been involved in research borne out of the Pentagon’s recent concern about the use of **bats as bioweapons**.

The decision to shut down USAMRIID garnered surprisingly little media coverage, as did the CDC’s surprising decision to allow the troubled facility to “partially resume” research late last November even though the facility was and is still not at “full operational capability.” The USAMRIID’s problematic record of safety at such facilities is of particular concern in light of the recent coronavirus outbreak in China. As this report will soon reveal, this is because USAMRIID has a decades-old and **close partnership with the University of Wuhan’s Institute of Medical Virology**, which is located in the epicenter of the current outbreak.

The Pentagon in Wuhan?

Beyond the U.S. military’s recent expenditures on and interest in the use of bats of bioweapons, it is also worth examining the recent studies the military has funded regarding bats and “novel coronaviruses,” such as that behind the recent outbreak, that have taken place within or in close proximity to China.

For instance, one study conducted in Southern China in 2018 resulted in the discovery of 89 new “novel bat coronavirus” strains that use the same receptor as the coronavirus known as Middle East Respiratory Syndrome (MERS). That study was jointly funded by the **Chinese government’s Ministry of Science and Technology**, USAID [Dr Fauci]— an organization long alleged to be a front for U.S. intelligence, and the U.S. National Institute of Health — which has **collaborated with both the CIA and the Pentagon** on infectious disease and **bioweapons** research

The authors of the study also sequenced the complete genomes for two of those strains and also noted that existing **MERS vaccines would be ineffective** in targeting these viruses, leading them to suggest that one should be developed in advance. This did not occur.

Another U.S. government-funded study that discovered still more new strains of “novel bat coronavirus” was published just last year. Titled “Discovery and Characterization of Novel Bat Coronavirus Lineages from

⁵⁸ Experiments were ongoing where issued grants and designated ‘voluntary’ refer Indoctrination (Corruption Report)

Kazakhstan,” focused on “the bat fauna of central Asia, which link China to eastern Europe” and the novel bat coronavirus lineages discovered during the study were found to be “**closely related to bat coronaviruses from China, France, Spain, and South Africa**, suggesting that co-circulation of coronaviruses is common in multiple bat species with overlapping geographical distributions.” In other words, the coronaviruses discovered in this study were identified in bat populations that migrate between China and Kazakhstan, among other countries, and is closely related to bat coronaviruses in several countries, including China.

The study was entirely funded by the U.S. Department of Defense, specifically the Defense Threat Reduction Agency (DTRA) as part of a project **investigating coronaviruses similar to MERS**, such as the aforementioned 2018 study. Yet, beyond the funding of this 2019 study, the institutions involved in conducting this study are also worth noting given their own close ties to the U.S. military and government.

The study’s authors are affiliated with either the Kazakhstan-based Research Institute for Biological Safety Problems and/or **Duke University**. The Research Institute for Biological Safety Problems, though officially a part of **Kazakhstan’s National Center for Biotechnology**, has **received millions from the U.S. government**, most of it coming from the Pentagon’s Cooperative Threat Reduction Program. It is the Kazakhstan government’s official depository of “highly dangerous animal and bird infections, with a collection of 278 pathogenic strains of 46 infectious diseases.” It is part of a **network of Pentagon-funded “bioweapons labs” throughout the Central Asian** country, which borders both of the U.S.’ top rival states — China and Russia.

Duke University’s involvement with this study is also interesting given that **Duke is a key partner of DARPA’s Pandemic Prevention Platform (P3) program**, which officially aims “to dramatically **accelerate** discovery, integration, pre-clinical testing, and manufacturing of medical countermeasures against infectious diseases.”

The first step of the Duke/DARPA program involves the discovery of potentially threatening viruses and “develop[ing] methods to support viral propagation, so that virus can be used for downstream studies.” **Duke University is also jointly partnered with China’s Wuhan University**, which is based in the city where the current coronavirus outbreak began, which resulted in the opening of the China-based Duke Kunshan University (DKU) in 2018. Notably, China’s Wuhan University — in addition to its partnership with Duke — also includes a multi-lab Institute of Medical Virology that has worked closely with the US Army Medical Research Institute for Infectious Diseases since the 1980s, according to its website. As previously noted, the USAMRIID facility in the U.S. was shut down last July for failures to abide by biosafety and proper waste disposal procedures, but was allowed to partially resume some experiments late last November.

The Pentagon’s Dark History of Germ Warfare

The U.S. military has a troubling past of having used disease as a weapon during times of war. One example involved the U.S.’ use of germ warfare during the Korean War, when it targeted both North Korea and China by dropping diseased insects and voles carrying a variety of pathogens — including bubonic plague and hemorrhagic fever — from planes in the middle of the night. Despite the mountain of evidence and the testimony of U.S. soldiers involved in that program, the U.S. government and military **denied** the claims and ordered the destruction of relevant documentation.

In the post World War II era, other examples of U.S. research aimed at developing biological weapons have emerged, some of which have recently received media attention. One such example occurred this past July, when the U.S. House of Representatives demanded information from the U.S. military on its past efforts to **weaponize insects** and Lyme disease between 1950 and 1975.

The U.S. has claimed that it has not pursued **offensive biological weapons** since 1969 and this has been further supported by the **U.S.’ ratification of the Biological Weapons Convention (BWC)**, which went into effect in 1975. However, there is extensive evidence that the U.S. has continued to covertly research and develop such weapons in the years since, much of it conducted abroad and **outsourced to private companies**, yet still funded by the U.S. military. Several investigators, including Dilyana Gaytandzhieva, have documented how **the U.S. produces deadly viruses, bacteria and other toxins** at facilities outside of the U.S. — many of them in Eastern Europe, Africa and South Asia — in clear violation of the BWC.

Aside from the military’s own research, the controversial neoconservative think tank, the now defunct Project for a New American Century (PNAC), openly **promoted the use of a race-specific genetically modified**

bioweapon as a “politically useful tool.” In what is arguably the think tank’s most controversial document, titled “Rebuilding America’s Defenses,” there are a few passages that openly discuss the **utility of bioweapons**, including the following sentences:

...combat likely will take place in new dimensions: in space, “cyber-space,” and perhaps the world of microbes...advanced forms of biological warfare that can “target” specific genotypes may transform biological warfare from the realm of terror to a politically useful tool.

Though numerous members of PNAC were prominent in the **George W. Bush administration**, many of its more controversial members have again risen to political prominence in the **Trump administration**.

Several years after “Rebuilding America’s Defenses” was published, the U.S. Air Force published a document entitled **“Biotechnology: Genetically Engineered Pathogens,”** which contains the following passage:

The JASON group, composed of academic scientists, served as technical advisers to the U. S. government. Their study generated six broad classes of genetically engineered pathogens that could pose serious threats to society. These include but are not limited to binary biological weapons, designer genes, gene therapy as a weapon, stealth viruses, host-swapping diseases, and designer diseases.

Concerns about Pentagon experiments with biological weapons have garnered renewed media attention, particularly after it was **revealed in 2017 that DARPA was the top funder of the controversial “gene drive” technology**, which has the power to permanently alter the genetics of entire populations while targeting others for extinction. At least two of DARPA’s studies using this controversial technology were classified and “focused on the potential military application of gene drive technology and use of gene drives in agriculture,” according to media reports.

The revelation came after an organization called the ETC Group obtained over 1,000 emails on the military’s interest in the technology as part of a Freedom of Information Act (FOIA) request. Co-director of the ETC Group Jim Thomas said that this technology may be used as a **biological weapon**:

*“Gene drives are a powerful and dangerous new technology and potential biological weapons could have disastrous **impacts on peace, food security and the environment**, especially if misused. The fact that gene drive development is now being primarily funded and structured by the US military raises alarming questions about this entire field.”*

Though the exact motivation behind the military’s interest in such technology is unknown, the Pentagon has been open about the fact that it is devoting much of its resources towards the containment of what it considers the two greatest threats to U.S. military hegemony: Russia and China. China has been cited as the greatest threat of the two by several Pentagon officials, including John Rood, the Pentagon’s top adviser for defense policy, who described China as the greatest threat to “our way of life in the United States” at the **Aspen Security Forum** last July.

Since the Pentagon began “redesigning” its policies and research towards a “long war” with Russia and China, **the Russian military has accused the U.S. military of harvesting DNA** from Russians as part of a covert bioweapon program, a charge that the Pentagon has adamantly denied. Major General Igor Kirillov, the head of the Russian military’s radiation, chemical and biological protection unit who made these claims, also asserted that the U.S. was developing such weapons in **close proximity** to Russian and Chinese borders.

China has also accused the U.S. military of harvesting DNA from Chinese citizens with ill intentions, such as when 200,000 Chinese farmers were used in 12 genetic experiments without informed consent. Those experiments had been conducted by Harvard researchers as part of a U.S. government-funded project.

DARPA Coronavirus - Bat as bioweapon

As the ongoing coronavirus outbreak centered in China has spread to other countries and been blamed for a growing number of deaths, a consensus has emerged that this particular virus, currently classified as a “novel [i.e. new] coronavirus,” is believed to have originated in bats and was transmitted to humans in Wuhan, China via a seafood market that also traded exotic animals. So-called “wet” markets, like the one in Wuhan, were previously blamed for past deadly coronavirus outbreaks in China, such as the 2003 outbreak of Severe Acute Respiratory Syndrome (SARS).

In addition, one preliminary study on the coronavirus responsible for the current outbreak found that the receptor, Angiotensin-converting enzyme 2 (ACE2), is not only the same as that used by the SARS coronavirus, but that East Asians present a much higher ratio of lung cells that express that **receptor than the other ethnicities (Caucasian and African-American)** included in the study. However, such findings are preliminary and the sample size is too small to draw any definitive conclusions from that preliminary data.

Two years ago, media reports began discussing the **Pentagon's sudden concern that bats could be used as biological weapons, particularly in spreading coronaviruses** and other deadly diseases. The Washington Post asserted that the Pentagon's interest in investigating the potential use of bats to spread weaponized and deadly diseases was because of alleged Russian efforts to do the same. However, those claims regarding this Russian interest in using bats as bioweapons date back to the 1980s when the Soviet Union engaged in covert research involving the Marburg virus, research that did not even involve bats and which ended with the Soviet Union's collapse in 1991.

Like much of the Pentagon's controversial research programs, the bats as **bioweapons research** has been framed as defensive, despite the fact that **no imminent threat** involving bat-propagated bioweapons has been acknowledged. However, independent scientists have recently accused the Pentagon, particularly its research arm **DARPA**, of claiming to be engaged in research it says is "defensive" but is actually "**offensive.**"

The most recent example of this involved DARPA's "**Insect Allies**" program, which officially "aims to protect the U.S. agricultural food supply by delivering protective genes to plants via insects, which are responsible for the transmission of most plant viruses" and to ensure "food security in the event of a major threat," according to both DARPA and media reports.

However, a group of well-respected, **independent scientists** revealed in a scathing analysis of the program that, far from a "defensive" research project, the **Insect Allies program** was aimed at creating and delivering "**new class of biological weapon.**" The scientists, writing in the journal *Science* and led by Richard Guy Reeves, from the Max Planck Institute for Evolutionary Biology in Germany, warned that DARPA's program — which uses insects as the vehicle for as horizontal environmental **genetic alteration agents** (HEGAAS) — revealed "an intention to develop a means of **delivery** of HEGAAs for offensive purposes (emphasis added)."

Whatever the real motivation behind the Pentagon's sudden and recent concern about **bats** being used as a vehicle for bioweapons, the U.S. military has spent millions of dollars over the past several years funding research on bats, the deadly viruses they can harbor — including coronaviruses — and how those viruses are transmitted from bats to humans.

For instance, DARPA spent **\$10 million on one project in 2018** "to unravel the complex causes of bat-borne viruses that have recently made the jump to humans, causing concern among global health officials." Another research project backed by both **DARPA and NIH** saw researchers at Colorado State University examine the coronavirus that causes **Middle East Respiratory Syndrome (MERS) in bats and camels** "to understand the role of these hosts in transmitting disease to humans." Other U.S. military-funded studies, discussed in detail later in this report, discovered **several new strains** of novel coronaviruses carried by bats, both within China and in countries bordering China.

Many of these recent research projects are related to DARPA's **Preventing Emerging Pathogenic Threats, or PREEMPT program**, which was officially announced in April 2018. PREEMPT focuses specifically on animal reservoirs of disease, specifically bats, and DARPA even noted in its press release in the program that it "is aware of biosafety and biosecurity sensitivities that could arise" due to the nature of the research.

DARPA's announcement for PREEMPT **came just a few months** after the U.S. government decided to controversially end a moratorium on so-called "gain-of-function" studies involving dangerous pathogens. VICE News explained "gain-of-function" studies as follows:

Known as 'gain-of-function' studies, this type of research is ostensibly about trying to stay one step ahead of nature. By making super-viruses that are more pathogenic and easily transmissible, scientists are able to study the way these viruses may evolve and how genetic changes affect the way a virus interacts with its host. Using this information, the scientists can try to pre-empt the natural emergence of these traits by developing antiviral medications that are capable of staving off a pandemic.

In addition, while both DARPA's PREEMPT program and the Pentagon's open interest in bats as bioweapons were announced in 2018, the U.S. military — specifically the Department of Defense's Cooperative Threat Reduction Program — began funding research involving bats and deadly pathogens, including the **coronaviruses MERS and SARS**, a year prior in 2017. One of those studies focused on "Bat-Borne Zoonotic Disease Emergence in Western Asia" and involved the Lugar Center in Georgia, identified by former Georgian government officials, the Russian government and independent, investigative journalist Dilyana Gaytandzhieva as a covert U.S. bioweapons lab. It is also important to point out the fact that the **U.S. military's key laboratories** involving the study of deadly pathogens, including coronaviruses, Ebola and others, was suddenly shut down last July after the Center for Disease Control and Prevention (CDC) identified major "biosafety lapses" at the facility.

DARPA and its partners chosen to develop coronavirus vaccine

Last Thursday, the Coalition for Epidemic Preparedness Innovations (CEPI) announced that it would fund three separate programs in order to promote the development of a vaccine for the new coronavirus responsible for the current outbreak.

CEPI — which describes itself as "a partnership of public, private, philanthropic and civil organizations that will finance and co-ordinate the development of vaccines against high priority public health threats" — was founded in 2017 by the governments of Norway and India along with the World Economic Forum and the Bill and Melinda Gates Foundation. Its massive funding and close connections to public, private and non-profit organizations have positioned it to be able to finance the rapid creation of vaccines and widely distribute them.

CEPI's recent announcement revealed that it would fund two pharmaceutical companies — Inovio Pharmaceuticals and Moderna Inc. — as well as Australia's University of Queensland, which became a partner of CEPI early last year. Notably, the two pharmaceutical companies chosen have close ties to and/or strategic **partnerships with DARPA** and are developing vaccines that controversially involve genetic material and/or gene editing. **The University of Queensland also has ties to DARPA**, but those ties are not related to the university's biotechnology research, but instead engineering and missile development.

For instance, the top funders of Inovio Pharmaceuticals include both **DARPA and the Pentagon's Defense Threat Reduction Agency (DTRA)** and the company has received millions in dollars in grants from DARPA, including a \$45 million grant to develop a vaccine for Ebola. Inovio specializes in the creation of DNA immunotherapies and **DNA vaccines**, which contain **genetically engineered DNA** that causes the cells of the recipient to produce an antigen and can permanently alter a person's DNA. Inovio previously developed a DNA vaccine for the Zika virus, but — to date — no DNA vaccine has been approved for use in humans in the United States. Inovio was also recently awarded over \$8 million from the U.S. military to develop a small, portable intradermal device for delivering DNA vaccines jointly developed by **Inovio and USAMRIID**.

However, the CEPI grant to combat coronavirus may change that, as it specifically funds Inovio's efforts to continue developing its DNA vaccine for the **coronavirus that causes MERS**. Inovio's MERS vaccine program **began in 2018** in partnership with CEPI in a deal worth \$56 million. The vaccine currently under development uses "Inovio's DNA Medicines platform to deliver optimized synthetic antigenic genes into cells, where they are translated into protein antigens that **activate an individual's immune system**" and the program is partnered with U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) and the NIH, among others. That program is currently undergoing testing in the Middle East.

Inovio's collaboration with the U.S. military in regards to DNA vaccines is nothing new, as their past efforts to develop a DNA vaccine for both Ebola and Marburg virus were also part of what **Inovio's CEO Dr. Joseph Kim called its "active biodefense program"** that has "garnered multiple grants from the Department of Defense, Defense Threat Reduction Agency (DTRA), National Institute of Allergy and Infectious Diseases (NIAID), and other government agencies."

CEPI's interest in increasing its support to this MERS-specific program seems at odds with its claim that doing so will combat the current coronavirus outbreak, since MERS and the novel coronavirus in question are not analogous and treatments for certain coronaviruses have been shown to be ineffective against other strains.

It is also worth noting that Inovio Pharmaceuticals was the **only company** selected by CEPI with direct access to the **Chinese pharmaceutical** market through its partnership with China's **ApolloBio Corp.**, which currently has an exclusive license to sell Inovio-made DNA immunotherapy products to Chinese customers.

The second pharmaceutical company that was selected by CEPI to develop a vaccine for the new coronavirus is **Moderna Inc.**, which will develop a vaccine for the novel coronavirus of concern in collaboration with the U.S. NIH and which will be **funded entirely by CEPI**. The vaccine in question, as opposed to Inovio's DNA vaccine, will be a **messenger RNA (mRNA)** vaccine. Though different than a DNA vaccine, mRNA vaccines still use genetic material "to direct the body's cells to produce intracellular, membrane or secreted proteins."

Moderna's mRNA treatments, including its mRNA vaccines, were largely developed using a **\$25 million grant from DARPA** and it often touts its strategic alliance with DARPA in press releases. Moderna's past and ongoing research efforts have included developing mRNA vaccines **tailored to an individual's unique DNA** as well as an unsuccessful effort to create a mRNA vaccine for the Zika Virus, which was funded by the U.S. government.

Both DNA and mRNA vaccines involve the **introduction of foreign and engineered genetic material** into a person's cells and past studies have found that such vaccines "**possess significant unpredictability** and a number of inherent harmful potential hazards" and that "there is inadequate knowledge to define either the probability of unintended events or the consequences of **genetic modifications**." Nonetheless, the climate of fear surrounding the coronavirus outbreak could be enough for the public and private sector to develop and distribute such controversial treatments due to fear about the epidemic potential of the current outbreak.

However, the therapies being developed by **Inovio, Moderna and the University of Queensland** are in alignment with **DARPA's objectives** regarding gene editing and vaccine technology. For instance, in 2015, DARPA geneticist Col. Daniel Wattendorf described how the agency was investigating a "new method of vaccine production [that] would involve giving the body instructions for making certain antibodies. Because the body would be its own **bioreactor**, the vaccine could be produced much faster than traditional methods and the result would be a higher level of protection."

According to media reports on Wattendorf's statements at the time, the vaccine would be developed as follows:

*Scientists would harvest viral antibodies from someone who has recovered from a disease such as flu or Ebola. After testing the antibodies' ability to neutralize viruses in a petri dish, they would isolate the most effective one, determine the genes needed to make that antibody, and then encode many copies of those genes into a circular snippet of **genetic material** — either DNA or RNA, that the person's body would then use as a cookbook to **assemble** the antibody.*

Though Wattendorf asserted that the effects of those vaccines wouldn't be permanent, DARPA has since been promoting **permanent gene modifications** as a means of protecting U.S. troops from biological weapons and infectious disease. "Why is DARPA doing this? [To] protect a soldier on the battlefield from chemical weapons and biological weapons **by controlling their genome** — having the genome produce proteins that would automatically protect the soldier from the inside out," then-DARPA director Steve Walker (now with Lockheed Martin) said this past September of the project, known as "Safe Genes."

Conclusion

Research conducted by the Pentagon, and DARPA specifically, has continually **raised concerns**, not just in the field of bioweapons and biotechnology, but also in the fields of **nanotechnology, robotics** and several others. DARPA, for instance, has been developing a series of unsettling research projects that ranges from **microchips** that can create and **delete memories from the human brain** to voting machine software that is rife with problems.

Now, as fear regarding the current coronavirus outbreak begins to peak, **companies with direct ties to DARPA** have been tasked with developing its vaccine, the long-term human and environmental impacts of which are unknown and will remain unknown by the time the vaccine is expected to go to market in a few weeks time.

Furthermore, **DARPA and the Pentagon's past history with bioweapons** and their more recent experiments on genetic alteration and extinction technologies as well as bats and coronaviruses in proximity to China have been largely left out of the narrative, despite the information being publicly available. Also left out of the media narrative have been the direct ties of both the USAMRIID and DARPA-partnered Duke University to the city of Wuhan, including its Institute of Medical Virology.

Though much about the origins of the coronavirus outbreak remains unknown, the U.S. military's ties to the aforementioned research studies and research institutions are worth detailing as such research — while justified in the name of "national security" — has the frightening potential to result in unintended, yet world-altering consequences. **The lack of transparency about this research, such as DARPA's decision to classify its controversial genetic extinction research and the technology's use as a weapon of war**, compounds these concerns. While it is important to avoid reckless speculation as much as possible, it is the opinion of this author that the information in this report is in the public interest and that readers should use this information to reach their own conclusions about the topics discussed herein.

Interview with Dr Meryl Nass Biological Weapons Expert

Dr Meryl Nass Biological Weapons expert

That is a lot of questions. Let me start at the beginning. When this virus was first discovered in China and then in the United States I was extremely worried. I have a background in biological warfare. I understood the ways this organism might spread there had been a lot of concern **SARS 1 and MERS** in the past that a biological agent like this could **enter the population**. I warned people extensively about the reasons why I was concerned. The particular features this bug had made it worse than the first SARS that the United States didn't have to grapple with. In 2012 China had a big outbreak (what was thought to be a big outbreak) at the time, 8,000 total cases in the world. Vietnam had it Canada, Toronto had a lot of cases. It was life threatening disease, basically no matter what you did if people had a severe case you couldn't save them. There was a **90% mortality rate**. From the first SARS 8 years ago. I warned people and explained as best I could, I actually knew what you needed to do how to protect yourself, how to avoid places. Talked about droplets spread versus airborne spread which is very confusing for a lot of people. Its thought – and we don't have solid information. We don't know how many contract from droplets sprayed on them from a short distance versus how much sits in the air, when in the grocery store inhale it and get it. Versus someone exhale landed on a surface where touch nose, eyes and mouth. We don't know what the relative risks of those 3 ways of being infected

There are ways to mitigate all of those problems. The airborne is the hardest to mitigate because it requires a lot of air changes, you can't breath in the same air

Industry Report 2a

ARDA/DARPA

The Biomedical Advanced Research and Development Authority (BARDA) and the Defense Advanced Research Projects Agency (DARPA) have reached an interagency agreement with AstraZeneca to support phase 1 clinical development of a monoclonal antibody combination therapy for use against COVID-19.

This assistance will cover both a phase 1 clinical trial and the manufacturing of the investigational product for testing. AstraZeneca, which recently signed a deal granting it an exclusive license for six anti-SARS-CoV-2 antibodies identified by researchers at Vanderbilt University, intends to start a phase 1 trial of a COVID-19 antibody therapy within two months.

The body generates antibodies to fight off infections. Monoclonal antibodies, like those used in this case, are laboratory synthesized therapies that can be manufactured in large quantities and used to negate viruses. A combination of such antibodies targeting the SARS-CoV-2 virus — the virus that causes COVID-19 — could conceivably be used to both prevent infection and to treat existing infections.

This is not a treatment approved by the U.S. Food and Drug Administration (FDA), though. There remain no FDA-approved treatments or vaccines for COVID-19, a fact that has spurred the Department of Health and Human Services to label the need for therapeutic and prophylac.

23.0 SMART CITIES AND CRISIS

23.1 Australian Bushfires or A Smart City Conspiracy?⁵⁹

By TOTT News in Features, Most Popular - Top 25 (Chronological), Society and Culture on December 5, 2019 62 comments

UPDATE — 29/05/20 | Keep up-to-date with the development of Australia's high-speed rail line by clicking [here](#).

UPDATE — 12/01/20 | Please check out the important follow up video to this feature piece – Australia on Fire: The Beginning of [Agenda 2030](#)

UPDATE – 11/01/20 | A calculated campaign has been launched by the press in an attempt to [discredit](#) this theory. See by clicking [here](#).

UPDATE — 23/12/19 | The mainstream media are now in damage control over the spread of this type of discussion. [Australians are waking up!](#) Keep spreading the word!



Links between bushfires and high-speed rail proposals exposed.

Australia is committed to the Agenda 2030 plan, which advocates for the implementation of radical changes to the [central role of ownership rights of land and natural resources](#) over the next decade.

Linking this plan, authorities are currently developing a number of **smart city initiatives** in direct response, promising locations full of 'sustainable' programs that monitor a variety of human activities.

As officials continue to [ignore a vast spread of extreme conditions](#) across the country, could it be that current bushfires in Australia are **part of this plan** as well? What is the hidden agenda?

In the following, we explore the Australian bushfire 'crisis', including the course of events, [weather and geoengineering](#), CLARA's high-speed train network proposal and links to the **UN-driven smart city agenda**.

⁵⁹ <https://tottnews.com/2019/12/05/australian-bushfires-conspiracy/>

INITIAL QUESTIONS

Before examining the deeper questions behind this narrative, let's use objectivist logic to take a look at the path that led to these fires taking place and inconsistencies with the official story.

THE RESOURCES DISAPPEAR

In the latest state budget, **\$12.9 million in expenses was cut from Fire & Rescue NSW**, while the Office of NSW Rural Fire Services — a service run by volunteers — **lost \$26.7 million** in expenses.



Byron Bay, which is currently being torn apart by fires, was promised \$5.85 million for a new fire station in Kingscliff. The funding has yet to arrive.

Many firefighters are currently **battling the blazes** with bore water, as New South Wales is currently experiencing a severe drought and was already running out of resources before the fires began.

As a result, thousands of residents have been told **not to expect help from the NSW Rural Fire Services** and were left to evacuate for themselves.

As we have explored previously, natural cycles are a common occurrence in this country, and the temperatures and heat experienced is certainly not a new phenomenon.

Instead, the key point to note is that conditions **regularly get so dry** that if a variety of bushfires were to start at any point across the country, they would leave a distinct mark and spread quickly — especially if there was no response to contain them.

DELIBERATELY LIT FIRES

Today, there is over 100 fires spreading, many of which have been lit at the same time. Do we really have a 'climate emergency'? Or do we have an arsonist emergency? Who is starting these fires?

Recent policies over the last few years have also **made hazard reduction activities more difficult**, including a cut back in back-burning, where authorities identify at-risk areas close to developments and 'reduce the load' with controlled burning in preparation for bushfire season.

As we learn more about the ongoing bushfire 'crisis', many mainstream media news reports are suggesting that most of the fires were **intentionally** lit. This includes seven by an RFS volunteer.

Furthermore, experts estimate about 85% of bushfires are caused by humans and not by 'unprecedented conditions as is being described.

RELATED: **They are killing us. Firefighter blames government for Australian bushfire crisis**

WEIRD WEATHER PATTERNS?

Another initial question surrounding the bushfires is related to ongoing abnormal phenomenon in the natural world in anticipation for this mass event, including reductions in rainfall.

On one day, for the first time in Australian history, there was no rainfall at any parts across the country, with the unusual reading leaving the Bureau of Meteorology teams scratching their heads.

“The team can’t comprehensively identify a day in our records where there hasn’t been rain somewhere on continental Australia,” a bureau spokesman said.

At the same time, there were also many ‘**strange weather occurrences**’ happening at the Queensland/New South Wales border, with ‘echoes’ of metal or plastic fibres being recorded:

Reports also suggested in September that a “**rare event**” took place 30 kilometres above the South Pole and was expected to impact Australia’s rainfall outlook.

Known as sudden **stratospheric warming** (SSW), experts predicted just a few months ago that this could deepen the current Australian drought and will effect the skies north of the pole.

Is rainfall being intentionally blocked to bushfire areas? We all know this technology is possible.

GEOENGINEERING IN AUSTRALIA



For over five decades in Australia, the study of clouds, rain and the atmosphere has been largely hidden from the public, as a **secretive network of government agencies and private business interests** continue to manipulate the weather around us to their personal benefit.

Geoengineering, or weather manipulation, has now become commonly accepted as the deliberate intervention or large-scale manipulation of the climate system of Earth to counteract ‘global warming’ or to influence the environment.

In Australia, **cloud seeding was first trialed in Australia in 1947 when the CSIRO** used Royal Australian Air Force aircrafts to drop dry ice into the tops of cumulus clouds.

Following the success of initial trials, CSIRO scientists would continue this work until 1952, soon expanding to include theoretical, laboratory and airborne investigations of cloud structure.

As technological advancements began to take shape, so did the scale of programs and cooperation between countries to advance these techniques in the 20th Century.

One of the largest operations in Australia, compared similarly to **HAARP** in the United States, is the Jindalee Operational Radar Network (JORN), where BAE Systems will undertake significant upgrades through a \$1.2 billion enhancement over the next 10 years.

Modern operations include weather and water experimental company, **Snowy Hydro**, based out of the Snowy Mountains in NSW, authorised by the Snowy Mountains Cloud Seeding Act 2004.

Hydro Tasmania and Australian **Rain Technologies** are also usual characters in this field.

In December 2006, the Queensland government announced **\$7.6 million in funding for "warm cloud" seeding** research to be conducted jointly by the Australian Bureau of Meteorology and the United States National Center for Atmospheric Research.

Weather Modification, Inc. also supported the **Queensland Environmental Protection Agency** during their 2008 'Feasibility Study for the Augmentation of Rain & Air Chemistry Monitoring' – providing an instrumented aircraft and crew for cloud seeding.

Former Prime Minister Malcolm Turnbull announced in 2007 that **\$10 million from the Australian Government Water Fund** will be given to the investigation of an 'untried technology' that aims to trigger rainfall from the atmosphere, even when there are no clouds.

This is where things that getting interesting.

THE RISE OF SMART CITIES

For those who are unaware, the Australian government has committed to a new "**Smart Cities Plan**", which sets out the government's vision for 'productive and livable cities' in the near future.

The plan represents a **framework for cities policy** at the federal level, and it will guide action across various portfolios to deliver 'sustainable' outcomes for cities and the people who live in them.

The Smart Cities Plan sets out the Australian government's vision for our cities, and it includes three pillars: Smart Investment, Smart Policy and Smart Technology.

Key domestic initiatives include the Smart Cities Plan, City Deals, the Smart Cities and Suburbs Program and the National Cities Performance Framework.

RELATED: Australia is building 'smart city' infrastructure

Coupled with a **sophisticated surveillance grid** to monitor and control a created environment, a UN-driven desire to make Australian cities more 'livable and prosperous' is driving the **integration of information technology** into city management programs at this very moment:

- Perth's Smart Cities and Suburbs Program
- The #SmartDarwin project
- **The Melbourne as a smart city project**
- Sunshine Coast Council's Smart City Framework and Smart City Implementation Program
- The Newcastle Smart City Program
- Ipswich's Cooperative and Automated Vehicle Initiative
- The Adelaide Smart City initiative and many others.

Smart city initiatives have been instrumental in the development of **China's draconian social credit system**, and we have expressed concerns that a similar system will soon reach Australia.

Ultimately, these fragmented projects will develop and connect together to make up the smart city vision, and we are already seeing small examples of this come to light.

But why is this important? And what does it have to do with current Australian bushfires?

The links are clear once you begin to scratch beneath the surface.

HIGH-SPEED TRAIN PROPOSAL



Is a deeper picture being revealed? Photo: AWW

Enter the Consolidated Land and Rail Australia company, better known as **CLARA**, which made a proposal to the Australian government in 2017 for a high-speed rail train line from **Brisbane to Melbourne**, including a vision of new smart cities to be built along the southern route of the plan.

The consortium is headed by **Nick Cleary**, and the company has sold bureaucrats and ministers on a vision so large it's almost eye-watering: a high-speed rail network that would open the way for not one, but **eight** new cities, each between 200,000 and 600,000 people, along its route.

"The policy on population has failed because we have failed to overcome the tyranny of distance," Cleary says. "Between **now and 2061 we are going to grow the population by 15 million**. Our plan is to build cities at scale connected by high-speed rail."

According to their official website: "CLARA is Australia's most ambitious master-planning project: eight compact smart cities across Victoria and NSW connected to Melbourne, Canberra and Sydney by high-speed rail. Liveable, connected and sustainable. Self-sufficient in energy and water use.

The first network of cities worldwide designed around people, **not private cars**, in 100 years. The first CLARA city is proposed near Shepparton in Victoria's north."

It's a vision to transform the settlement patterns of Australia entrenched for more than 200 years. And all to be achieved by the private sector, with only minimal government involvement.

ASIC searches show a web of companies behind CLARA, and Cleary says there is a separate consortium agreement and "a number of firms that are funding us while we pass milestones".

Continued.. CLARA's High-Speed Rail: The Full Story

Until recently, there have been serious doubts that the project would even get off the ground, after being predicted to cost north of **\$100 billion** to fully clear land and develop infrastructure.

Could there be something going on **beneath** the surface?

THE SMOKING GUN?

Clery says they have **secured crucial land** to begin this mass project around the sites of the first two new cities, stating "we have some land in our control around those locations. It's around those areas, about 10km from Shepparton."

When investigating this, one must ask the question:

Is it merely a coincidence that this area is one of the locations under serious threat from fires? – <http://greatershepparton.com.au/community/emergencies/fire>

This is not simply an isolated incident or 'coincidence'.

Closer examination shows many of the current fires along the east coast correspond to the proposed route for the **high-speed rail line and locations** that are part of the CLARA proposal.

Let's take a look below at the proposed smart city train line:



Now let's take a look at the bushfire path across Australia: (see original article, california is the same)

Notice anything similar?

On further investigation, Shepparton is also revealed to be a region inside of CLARA's documents explaining various locations the train line will run!

Government funding contribution to the CLARA proposal is up to \$8,000,000, a fact sheet on high-speed rail says, and in the aftermath of the loss of these fires, both will have a perfect opportunity to snatch up land that is now being cleared (by fires) to make way for the rail line.

Those who have **lost property to fires** along the proposed rail route will likely not be allowed to rebuild on their land, instead encouraged to rebuild in the areas designated for new smart cities.

In fact, CLARA has already **signed agreements with landowners** along the proposed route for the high-speed train, which have now lapsed and leave a bitter taste for farmers in the areas.

Could we be seeing the intentional **burning** of Australia? How is this all ultimately connected?

AGENDA 21/2030

The significant linkage here is that the government fully admits **smart cities are part of Australia's significant contribution toward achievement of Agenda 2030 'Sustainable Development Goal' 11.**

In September 2015, 193 Member States of the United Nations adopted 17 Sustainable Development Goals (SDGs) to make up the 2030 Agenda for Sustainable Development.

Agenda 2030 will change our economies, our environment and our societies, while reshaping old mindsets, behaviours and patterns of living forever.

Included in the document are Sustainable Development Goals and 169 individual targets, adopted by world leaders in at an historic UN Summit, objectives expected to guide the actions of the international community over a 15-year period (2016-2030).

RELATED: The UN takeover of Australian society

Australian government coordination on **implementation of the 2030 Agenda is led by the Department of Foreign Affairs and Trade (DFAT) and the Department of the Prime Minister and Cabinet (PM&C)**, in collaboration with individual departments for each individual SDG.

Many sustainable development targets, such as energy and water, health and wellbeing, gender equality, climate change, resource distribution and more, have already seen many organisations introduce policies and procedures to align with intended goals.

The fire phenomenon we are witnessing is being used to **promote climate change hysteria**, which has driven the UN to call for an overhaul of **world trade systems** to begin 'tackling' these issues.

Today, **most of Australia's resources are being taken** over by foreign entities, including our gas and electricity supplies, water reserve entitlements, surveillance technology and much more.

Conditions will continue to effects most of regional Australia, until the population is forced into highly-controlled, smart city monoliths, connected by high-speed trains currently in the works.

RELATED: Drought by Design – The Genociding of Australia

Through the introduction of **new laws and regulations to restrict the people's use of the land and water** in the future, as well as the introduction of carbon taxes on almost every human activity in the pretence of 'saving the environment'.

The stage is being prepared for the **introduction of Agenda 2030 in Australia** and the ongoing bushfire 'crisis' is just the beginning of much larger things to come.

Bushfire Aftermath: **The Australian Land Grab**

RELATED CONTENT Revealed: The Australian companies manipulating our weather | TOTT News

Rare weather event over Antarctica driving Australia's hot, dry outlook | ABC News

Australia is building 'smart city' infrastructure | TOTT News

Sustainable Development Goal 11 | Department of Infrastructure

Australia: The Biometric Surveillance State | TOTT News

Regional NSW is running out of water supplies | TOTT News

Too good to be true? Australia's high-speed rail dream leaves a bitter taste | The Guardian

Fast rail funding for CLARA questioned | Rail Xpress

Top reasons to question 'climate change' | Opinion | TOTT News

UN calls for overhaul of world trade system | TOTT News

Agenda 2030: Australia's Role in the United Nations | TOTT News

23.2 Boston Consulting Group a Smart Cities Global Driver

23.2.1 Boston Consulting Group Partners with World Economic Forum

Note: Boston Consulting Group (BCG) is a driver of future change in the world. Key extracts: "...BCG attends Davos alongside global business, government, social sector, academic, and media leaders. The World Economic Forum engages leaders from all facets of society—business, politics, academia, and beyond—to shape global, regional, and industry agendas and drive positive change. As a strategic partner of the World Economic Forum, BCG joins a select group of about 120 global companies... commitment to improving the state of the world..." "The World Economic Forum collaborates cross countries and fields: "...the Annual Meeting of the New Champions in China, and many regional meetings. As a strategic partner, we do even more. The World Economic Forum taps BCG's people and insights for its collaborative projects, publications, and global communities... Invitation-only councils have included BCGers focusing on critical topics since the councils were launched, studying gender parity, education, emerging multinationals, geoeconomies, telecommunication, and more... Value-based health systems optimize the outcomes that matter to patients, and the costs required to achieve those outcomes. To accelerate the pace of health system transformation towards value, we are launching the Global Coalition for Value in Healthcare..." Digital transformation impacts the way societies work: "...The skills needed in labor markets are changing rapidly, forcing professionals and businesses to adapt. We are using big data analyses to discover reskilling pathways and job transition opportunities..."

The [World Economic Forum](#) engages leaders from all facets of society—business, politics, academia, and beyond—to shape global, regional, and industry agendas and drive positive change. As a strategic partner of the World Economic Forum, BCG joins a select group of about **120 global companies** closely aligned with the forum's commitment to improving the state of the world.

Like our fellow members, BCG attends the renowned Annual Meeting in Davos, the Annual Meeting of the **New Champions in China**, and many regional meetings. As a strategic partner, we do even more. The World Economic Forum taps BCG's people and insights for its collaborative projects, publications, and global communities. The goal of this work is to share best practices, engage stakeholders, improve policymaking, and inform business decisions.

BCG@Davos

Each year, **BCG attends Davos alongside global business, government, social sector, academic, and media leaders**. We take this opportunity to learn from our peers and to share our own thought leadership on an international stage. At Davos, we host events, connect with clients, attend sessions, and advance our mission: to unlock insight and have the courage to act.

The 2019 Annual Meeting in Davos took place from the 22nd to the 25th of January. The meeting's theme was **Globalization 4.0: Shaping a Global Architecture in the Age of the Fourth Industrial Revolution**. For more information on BCG's role at this event, [please visit our Davos 2019 page](#).

Our Engagement

Secondees

BCG consultants have worked as "secondees" with the Forum, playing key roles in managing projects—from initial research and analysis, to multistakeholder input and feedback sessions, to completion and publication of related reports.

Global Councils

Invitation-only councils have included BCGers focusing on critical topics since the councils were launched, studying gender parity, education, emerging multinationals, geo-economies, telecommunication, and more.

[Tom Reichert](#) joins the [Council on New Network Technologies](#)

Young Global Leaders

Current and former BCGers have been selected to join this community of exceptional people under 40 years old, who share a commitment to shaping the future through inspiring and impactful leadership.

[Leila Hoteit](#)

[Lisa Ivers](#)

[Ian Walsh](#)

Global Shapers

Current and former BCGers have been selected as members of the Global Shaper community, a network of young people in 156 countries, driving action for meaningful change.

Around the World with WEF

Africa 2017 (Durban, South Africa): [Rich Lesser](#), CEO, discusses the regional event with other co-chairs at a press conference. AMNC 2018 (Tianjin, China): [Jeff Walters](#), partner and managing director, presents survey results on "Decoding Digital Consumers." ([Press Conference](#))

ASEAN 2018 (Ha Noi, Vietnam): [Lars Faeste](#), global chair of BCG TURN, joins a panel on "**Embracing Disruption: ASEAN's Digital Future.**" SDI 2018 (New York, NY): [Wendy Woods](#), social impact global leader,

facilitates a session on "**Advancing Global Environmental, Social, and Governance Standards.**" Davos 2018: [Rich Lesser](#), CEO, participates in a panel on "**Saving Economic Globalization from Itself.**" ([panel](#))

Africa 2017 (Durban, South Africa): [Rich Lesser](#), CEO, discusses the regional event with other co-chairs at a press conference. AMNC 2018 (Tianjin, China): [Jeff Walters](#), partner and managing director, presents survey results on "**Decoding Digital Consumers.**" ([Press Conference](#))

Our Projects

We are currently collaborating on four projects with the World Economic Forum, exploring a broad spectrum of topics.

[Cyberresilience](#)

Cyber risk management is no longer optional. Board members are increasingly aware of their responsibility to address it, but few are well prepared. Our work focuses on how boards can leverage preparedness into competitive advantage, as well as the steps ecosystems can take to shape a resilient future.

RELATED

[BCG's Work in Cybersecurity](#)

[Value in Healthcare](#)

Value-based health systems optimize the outcomes that matter to patients, and the costs required to achieve those outcomes. To accelerate the pace of health system transformation towards value, we are launching the **Global Coalition for Value in Healthcare.**

RELATED

[BCG's Center for Health Care Value](#)

[Future of Work](#)

The skills needed in labor markets are changing rapidly, forcing professionals and businesses to adapt. We are using big data analyses to discover reskilling pathways and job transition opportunities and are calculating their cost-benefit balance for companies and governments. Are you prepared for the future of work?

RELATED

[BCG's Insight on the Future of Work](#)

[Future of Sustainable and Impact Investing](#)

Increasingly, companies and investors are being asked to leverage their business and capital to create positive societal impact. Our mission is to advance Environmental, Social and Governance (ESG) measurement and management – to unlock the flow of more sustainable forms of investing, and help shape a better future.

Past Projects

[Shaping the Future of Construction](#)

[Financing a Forward-Looking Internet for All](#)

[Reshaping Urban Mobility with Autonomous Vehicles](#)

[Read more on BCG's work on Shaping the Future of Urban & Autonomous Mobility](#)

[Next Section: Davos 2019](#)

[Globalization 4.0: Shaping a Global Architecture in the Age of the Fourth Industrial Revolution](#)

23.2.2 Boston Consulting Group (BCG) Reorganising Business in Crisis

The global business community is being infiltrated by a different way of doing business that aligns with Silicon Valley, Big data, AI and automation. This can be done through contractor status or it can be done through consulting to government or big business as opinion leaders. It can be done through Mergers & Acquisitions to restructure companies. Other ways to catalyse change include: BSG can talk at forums, conduct media and PR, keynote at conferences, social media YouTube videos (which it has done) to introduce this new revolutionary design of business called "bionic company". Crisis helps for this transformation to occur under the guise that "we have to change". Climate change provides the same entre into radical change that restructures the world in a way that maximises value (not profit) and no longer guarantees employment (full employment never occurred and has moved from permanent, to contract to casualised, to intermittent to work for the dole [free labour]).

The bionic (AI) company design completely changes the way people work and will significantly reduce the workforce to agile teams with specific skills. Thus the security that a job once offered will be gone and it is likely that some form of Universal Basic Income will be provided to those who comply which may cover living space and basics. It is likely that all property ownership will be removed as people live to work for these agile AI companies that fuse AI with human uniqueness. AI is unable to be unique. Lucky for some humans. The rest that can't conform may face an uncertain future. It is very alarming. It is evident that these predatory firms that buyout through mergers & acquisitions are able to bring in these new systems as foreign change agents. Companies that have been significant leaders across industries would be targeted. It is feasible that conditions can be created for these buyouts to happen. Certainly COVID-19 and the deliberate collapse of markets is creating conditions where asset values drop, people are unable to work, particularly in small to medium sized businesses that require walk by trade. Those without assets to back their businesses are likely to be culled to make way for the Brave New World of Automation and AI which aims to remove the costs of middle managers, call centres, sales & marketing, production lines and have organisation take place via IT platforms.

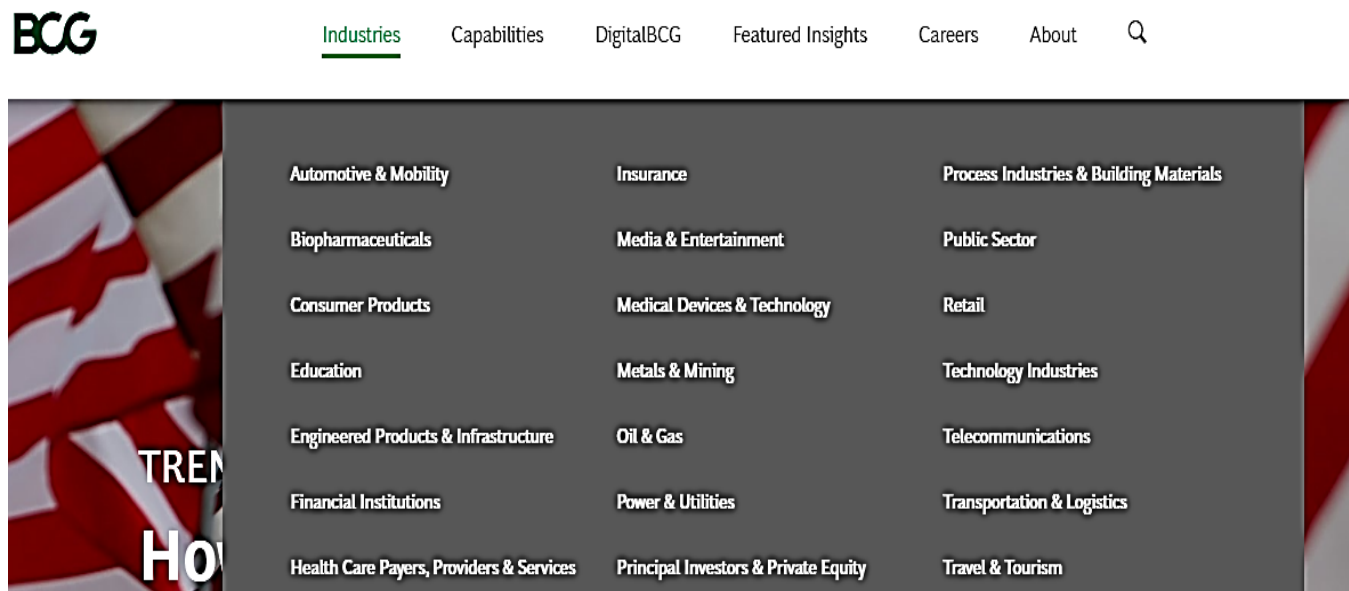
The Boston Consulting Group commentators use the Uber experience as a case in point. You go direct online to place your order and everything happens. In this new way of working teams will exist but like plug and play you can hire people over platforms who have specialist skills that can be procured without employing them. It could be project based. The responsibility for the team is relegated to the team coach (not really a leader) and organised in a flexibe fashion. The author of this submission recalls in Britain having a manager who was IT crazy and in a research company had myself interview all staff about flexible working. So picking up the laptop and moving to any desk. Research requires one place, one desk and stability in order to focus on intellectual work. It turned out to be impractical to move people around as people prefer stability. The Silicon Valley idea is being pushed out by powerful companies in the financial area. BCG does have consulting experience longer term but the reality on the ground is what these experts don't have. They are not building a company from the ground up, working there, getting involved in the industry and interconnectons between staff, customers and community. So these lofty ideas look good in high tech presentations which this author of the submission has viewed. It is about behavioural modification so people are rewarded or not on the basis of behaviour. They have to learn to be responsive to AI not the other way around. I noted in BCG they stated staff have to change and learn to trust AI. Having worked in 400 companies and experienced AI as a customer, it was not impressive. It cannot replace the human touch and it is not one of us. It manipulates relationship through personalisation cues but at the end of the day you cannot reason with AI given special circumstances. In the US there is considerable complaint about it replacing staff in society security settings where people are in real need.

So this section is placed under AMP and KKR so that it is clear where Silicon Valley and the City of London want to take our world. There is no vote on this, it is down through mergers and acquisitions, start ups and spending a lot of oney changing curriculum to STEM away from humanities and sahying this Fourth Industrial Revolution is inevitable and the jobs of the futue are all technology. As a peacemaker who has lived in poverty most of my life the reality was that technology was always controlling choices, narrowing

work tasks, behaviour was always controlled by systems, structures, processes and culture. This new proposition of a bionic company at its essence is no different. The work that really matters or one feels called to do is marginalised and minimised when it could unleash the greatest potential in humanity which does not require AI to augment. It requires self knowledge and flexibility through following what feels "right" in order to align with natural impulses that show you The Way. This author has steadfastly followed the dream and it has opened up vistas that were not imagined. Independence instead of dependence was the true nature of people which translates into self determination and fearlessness to follow roads less travelled, it opens the way to real innovation, real challenges (step off the cliff) and awakens the reality that life is not about *what we do* it is about *who we are*. It is not about being enslaved by preprogrammed patterns, predictability, algorithms but breaking those boundaries (limits) to find those small teams come together naturally if one is patient and aligned with inner truth (inner navigation). All truth is, is living in clarity without stories governing identity and showing up as reality. Yet we have crafted wealth as cryptocurrency, digital transformation, data (gold) and made again the same mistake of allowing the need for power and predictability to globalise or uniform the world to benefit the few and not free the many to live the talent they are born with. There is no need for control when you do what you love. The author of this submission has worked 7 days a week on these 10 reports for no payment as she felt called to do it. So if money is the worry a person will do what they love for free easily. Just basics need covering. That is the activity of the future.

If some enlightened ones start to awaken to the future potential of freedom to be who you are, then new ways of seeing open definitely to new ways of working but in a way that 100% potential is experienced. This is how the civilisation evolves past immaturity into a new reality where there are no boundaries yet the inner security lifts people to greater expressions that have not been invented yet.

Ultimately society is going to make up its own mind. Now we turn to Boston Consulting Groups who are changing government and business but through the marketing of this fourth industrial revolution.





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Innovation Strategy and Delivery	People Strategy	
International Business	Pricing	



Winning with Digital, Technology, and Data

The future is bionic, and it's already here. It's a new paradigm, powered by technology and harnessed by people. To thrive, you must focus on outcomes that will make a difference. Through the lens of our industry expertise, we identify and deliver programs with the greatest promise for success.



OUR SERVICES HOW WE WORK WITH CLIENTS LATEST THINKING EXPERTS

It has never been clearer that companies need to be able to learn quickly, be more resilient to shocks, and adapt in the face of adversity. There is an accelerated need for companies to become bionic—not simply to make standalone digital improvements, but to intentionally combine human and technological capabilities.

Bionic companies are better able to thrive in the face of change and uncertainty, drive breakthrough innovation, and solve some of the biggest industrial and societal problems of our age. For this reason, building bionic companies is at the heart of BCG's approach to digital transformation.

The Bionic Model

To achieve its full potential, technology must be combined with the flexibility, adaptability, and comprehensive experience of humans.

[Learn more about bionic companies >>](#)





and it has to consist of a

A new operating model for technology



23.2.3 The Bionic Company

Once a futuristic vision, the bionic company is here. Leading companies in multiple industries are combining the strengths of humans and technology to create superhuman—bionic—capabilities. Here we explore what the bionic company looks like, how it operates, and how traditional companies can think about transforming themselves into superhuman enterprises.

What Is a Bionic Company?

To achieve its full potential, technology must be combined with the flexibility, adaptability, and comprehensive experience of humans.

Drivers of Bionic Change

The superhuman ability of bionic companies can be seen in their outperformance. Our research shows that companies utilizing bionic processes boost cash flow and enterprise value faster than other firms. These digitally enabled companies have outperformed before and during the COVID-19 crisis, and they continue to outperform in those areas where recovery has begun to occur.

Most bionic leaders today are digital natives, to which bionic processes come naturally. But more bionic companies can also be found in traditional industries. Incumbents are mounting successful and far-reaching [digital transformations](#) to reposition their competitive capabilities for a bionic future.

Many of the elements of bionic companies are well known: artificial intelligence, digital talent, and platform-based software and services, for example. But the formula for putting them all together is neither immediately evident nor easy to implement. Companies that understand how to lead a bionic transformation can make rapid process and create substantial near-term value.

Drivers of Change

Three core drivers of change allow bionic companies to generate significant competitive advantage.

Attributes of a Bionic Leader

Here's what bionic leaders do.

PURPOSE AND STRATEGY

Several attributes distinguish bionic leaders. The first is a strong sense of purpose, which energizes and aligns the organization around what it is trying to achieve. The core competitive foundations of bionic leaders—such as value, differentiation, and advantage—are similar to those of traditional companies, but the strategies they use are digital first.

OUTCOMES

Bionic companies organize their human and technological capabilities around business outcomes—personalizing customer experiences, improving processes, and building new offers—and they move fast to achieve them. Truly bionic companies often have 30 to 50 essential processes working in this fashion.

HUMAN ENABLERS

Bionic companies use the progress toward outcomes to build their human enablers: digital talent and a platform organization. Bionic companies need employees who have design and technical skills and who are flexible, adaptable, and able to learn. The importance of collaboration and creative and critical thinking is paramount.

These companies also require a very different organization model than the traditional management pyramid. Layers of approval are replaced by small, autonomous teams that are built and empowered to make decisions quickly. They are supported by platforms designed for scale so that everyone has access to the same data, technology, and resources.

The Platform Organization

The new organization model will comprise agile teams supported by modular tech and data infrastructure, as well as bionic processes.

TECHNOLOGY ENABLERS

The bionic company puts a modular technology stack fueled by data at the heart of the new organization. Bionic companies use AI to drive mass pattern recognition, inform predictions, enable exponential learning, and unlock the ability to make better, faster decisions. AI-powered insights enable business teams to innovate products and design better processes, which drives competitive advantage and top-line growth.

The modular tech stack's architecture is layered, which liberates data and supports new technologies. The stack is adaptable, so it can be refined and updated easily. It is built off of APIs and microservices that enable rapid assembly and reconfiguration without overhauling the entire underlying system.

Data and AI

Companies need to build their data and AI muscles with a three-pronged approach.

Modular Architecture

Bionic companies that adopt a **next-gen tech stack and agile delivery** for their technology strategies can increase innovation and reduce time to market.

Latest Thinking on Bionic Companies

Explore the potential of the bionic company with BCG below.

ANATOMY OF THE BIONIC COMPANY

The successful company of the future will blend human and technological capabilities.

FLIPPING THE ODDS OF DIGITAL TRANSFORMATION SUCCESS

With so much at stake, why do so many companies fail?

DIGITAL ACCELERATION IS JUST A DREAM WITHOUT A NEW APPROACH TO TECH

To accelerate a digital and IT transformation and build value faster, focus on business outcomes and decouple the digital transformation from core system replacement.

THE BIONIC COMPANY

Can companies find the right design to unleash the power of technology?

BUILDING THE BIONIC SUPPLY CHAIN

Where digital efforts have fallen short—and how to use human-machine collaboration to take performance to the next level.

THE BUILDING BLOCKS OF BIONIC DISTRIBUTION IN INSURANCE

Companies that embrace AI at scale, expand their digital platforms, and optimize their distribution economics will emerge from the COVID-19 crisis stronger.

BIONIC REVENUE MANAGEMENT IN TRAVEL AND TOURISM

COVID-19 AND OUR NEW BIONIC SOCIETY

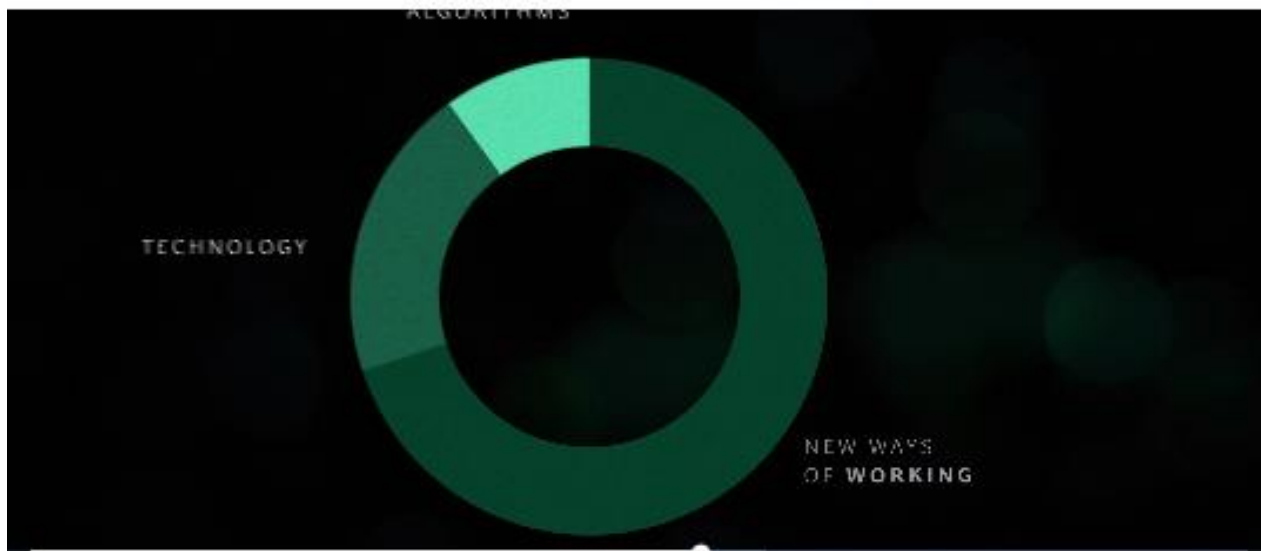
BECOMING BIONIC TO BUILD A BETTER WORLD

TECH + HUMANITY: GREATER THAN THE SUM OF ITS PARTS

BIONIC TRANSFORMATION

Bionic companies require a new vision of the organization, and many leadership teams do have a clear-eyed view of the future. They understand that it is bionic, and they are moving fast in this direction. But companies need to fully rewire the human side of the organization as well as its technology and data. Becoming bionic requires a fundamental change to the organization that will take time. But the benefits begin to accrue quickly. [Explore how companies pursue digital transformations.](#)

New Ways of working



- New skills data science
- Managers need to be fluid with data and advanced analytic
- New ways of working, trust algorithms
- Algorithms augment
- Cross functional

Data muscle



- Liberates data from core systems
- Liberated from functional silos
- Seamless transfer of data
- Across boundaries
- Use of data and algorithms
- Profile and facial recognition

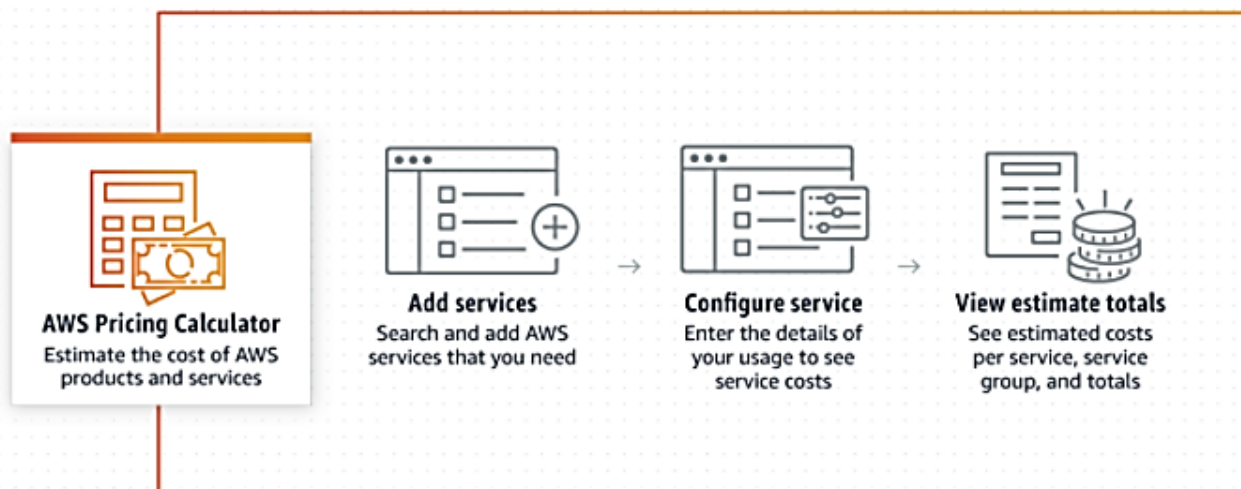


- Ensure biases not perpetuated
- Blood of bionic companies is data
- Brings machines and AI to life



- Organisation structures
- Empowered teams
- Multi skills
- Product, clear mission, agile methodology
- 30-50 major units of work or bionic
- Model process ownership shifts, not owned by previous BU different from shared services models of today
- Built by agile teams
- Platform supports frontline
- Core missions of sales
- Modular economy bionic structures extend beyond employer walls
- Ecosystems – capability gaps access talents
- Bionic processes
- Amazon AWS

How it works



Benefits and features

Transparent pricing

See the math behind the price for your service configurations. View prices per service or per group of services to analyze your architecture costs.

Reading your estimate [↗](#)

Multi-Region support

Configure services, or groups of services, in multiple AWS Regions. Prices and availability of AWS services vary per Region.

Generating an estimate [↗](#)

Hierarchical estimates

See and analyze service costs grouped by different parts of your architecture.

Using groups [↗](#)

Estimate exports

Export your estimate to a .csv file to quickly share and analyze your proposed architecture spend.

Exporting estimates [↗](#)

Use cases

Reduce your Amazon EC2 spend

Generate the lowest cost estimate for your Amazon EC2 workload with On Demand, Reserved, or a mix of both pricing models.

Find the right Amazon EC2 Instance

Enter your minimum requirements to identify the most cost effective EC2 Instance for your use case.

Estimate your AWS spend

Estimate the cost to migrate your architecture setup to the cloud, or explore what an expansion of your business might look like.

Compare service costs per Region

Create groups of services in different Regions to see how pricing may vary.

Uber



- Platform not join company officially
- Bionic organisation built on agile and modular teams
- Leaders not thinking of themselves as leaders
- Jazz orchestrators, release talent
- Top like Silicon Valley
- Venture capital role
- Key objectives
- Set up modular and agile teams
- Significant autonomy best interests of business
- Leaders remove road blocks
- Middle management goes
- Lower levels leaders coaches
- Lead new routines stand ups
- Accountable for results of teams
- Chapter leaders human capital recruitment
- Bionic company increase need for expert resources
- Leaders in this new modular participate nudges at scale help reach full potential
- Shape behaviour in nuanced and targeted way
- Influence behaviour
- Leader create context employees to b most productive
- Major shift from today

Video modular

Legacy systems

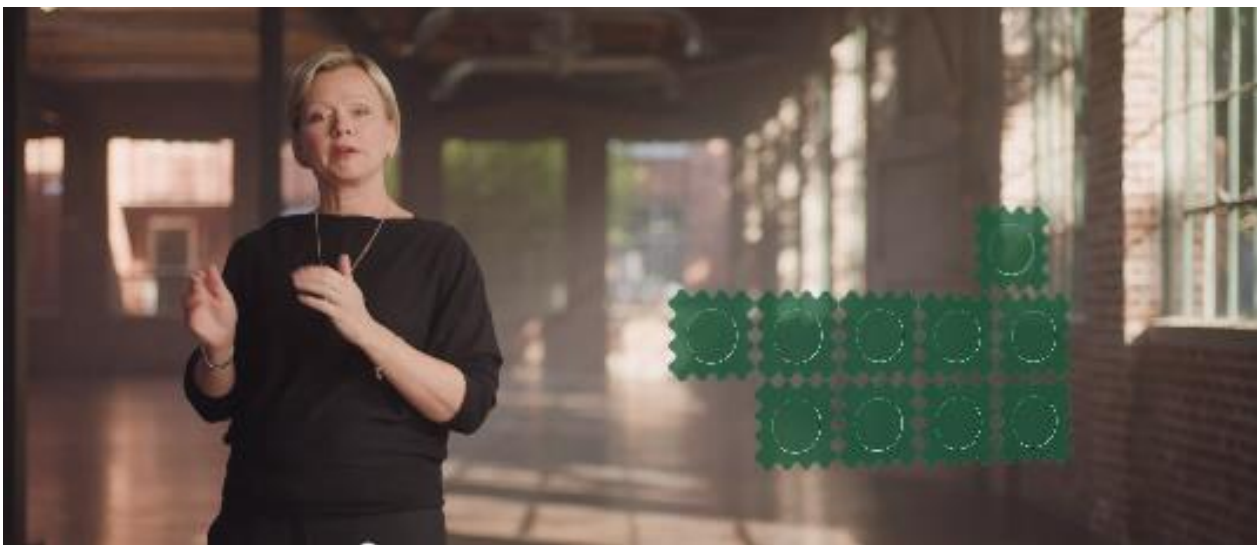


Modular Architecture

Bionic companies that adopt a next-gen tech stack and agile delivery for their technology strategies can increase innovation and reduce time to market.



- Multiple integration
- Spaghetti
- Hard to test and maintain
- Bionic companies to next generation technology
- Modular mor like ravioli
- Neatly packaged



- Move blocks (systems)
- Data processed bit at a time
- Code bit at a time
- Systems understood bit at a time
- Well known in automotive
- Work together
- Platform and API's – component changed interchangeable
- Microservices
- Fully digital amazon, sales force, uber
- Standardised operating processes
- Deep data
- Sophisticated analytics
- Reporting easy linkage

AI and code

```

from sklearn.discriminant_analysis import LinearDiscriminantAnalysis
from sklearn.datasets import load_iris
import pandas

# set column names,
["Sepal.Length", "Sepal.Width", "Petal.Length", "Petal.Width"]

# Features,
["Sepal.Length", "Sepal.Width", "Petal.Length", "Petal.Width"]

# Map = dict(enumerate(load_iris().target_names))

# sklearn datasets:
# To use a dataset from sklearn, as opposed to
# being converted into a pandas dataframe,
# the species in the list of column names just be
# structured. We will add that column ourselves be
# from sklearn.datasets import load_iris

# Model trainer for template TEXT
# HELD WRB.
#
#
# from sklearn.discriminant_analysis import LinearDiscriminantAnalysis
# from sklearn.externals import joblib
# from sklearn.datasets import load_iris
# import pandas
# import os
#
# # Training set column names,
# cols = ["Sepal.Length", "Sepal.Width", "Petal.Length",
#         "Species"]
#
# # Names of features,
# features = ["Sepal.Length", "Sepal.Width", "Petal.Length"]
#
# # If you want to use the Backup iris training set (I mean
# # sklearn's target (species) column are numbers (4, 3,
# # 2), representing
# # (setosa, versicolour, virginica). When displaying them,
# # want the species.
# # name, not the number, so we create a mapping.
# features_name_map = dict(enumerate(load_iris().target_names))
    
```

- Innovation is rapid
- New onboard app tracking whose coming, going, read, where meet, order for computer etc.
- Challenge and cost transforming technology shouldn't be underestimated, different approach in th bionic company
- Real value is in tackling this, priority use cases
- Liberating data modernising applications
- This approach using data in higher value use cases
- 2x, 3x development time to market
- Avoids 50% cost of development
- Bionic company platform based organisation and agile approaches
- Technology strategy also requires the same
- Together organisation and technology strategy delivers real impact with bionic company

To make the most of the technological opportunities proliferating in the digital age, companies must become bionic—they must intertwine new technologies with human capabilities to power growth, innovation, efficiency, resilience, and advantage.

Some companies have begun to do this:



Many companies, though, are struggling to nourish their digital opportunities and are failing to truly thrive. They have efforts and experiments in place and even some localized examples of success, but they have not been able to tap the full value of digital at scale.

The solution: they must transform themselves with the connective tissue that allows the people and technology parts of the organization to work together seamlessly.

The companies that emerge from this transformative effort will offer myriad, diverse products and services but in many ways form a common new species that shares core elements.

Strategy and purpose lie at the heart of the bionic company.



A winning strategy and a powerful purpose will motivate employees and engage customers. Each bionic company will define its unique strategy and purpose by answering key questions:

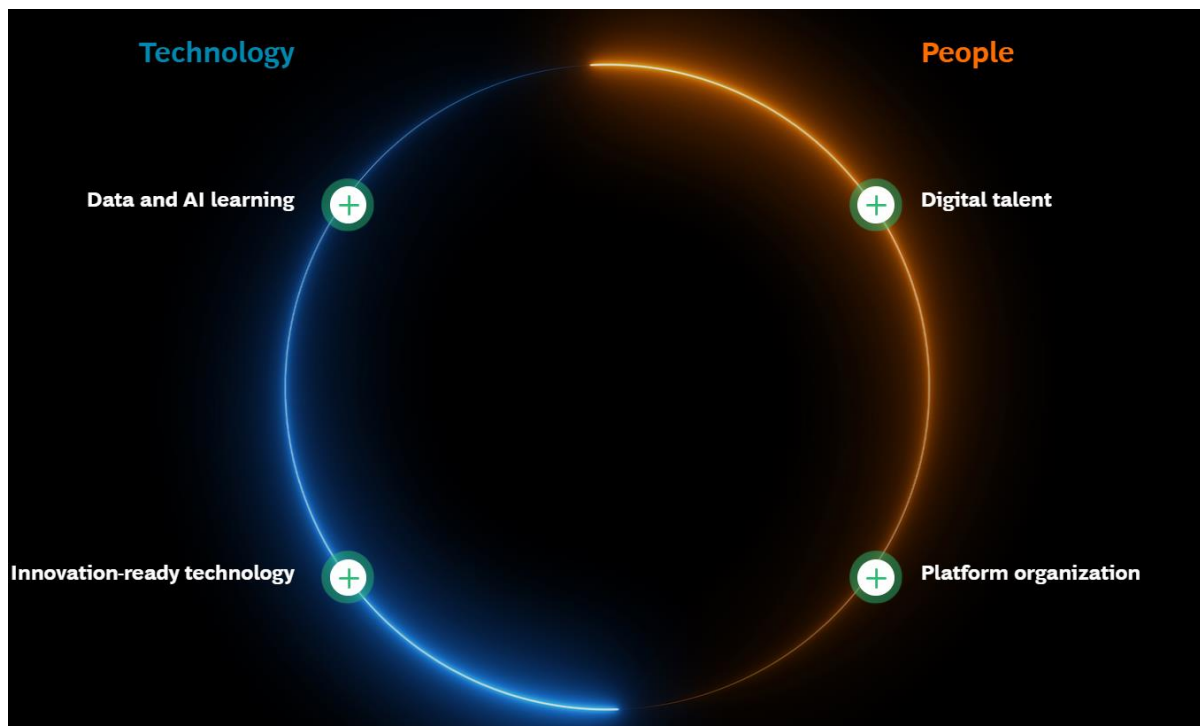
What purpose will we bring to the world?

What competitive advantage can we build?

What value can we create?

Human and technological factors circulate throughout the organization and enable it to thrive.

The actions and interactions of these factors create true competitive advantage by harnessing technology to further unleash the power of human creativity and productivity in a digital world.



Bionic processes are the backbone of the company of the future.

These processes are very different from what companies are accustomed to. Now people *operate* processes, but in the future they will put their efforts into the *design* of processes—from simple to complex—that will be digitally augmented or automated.

This backbone supports three critical competitive capabilities.

23.2.4 Winning the '20s⁶⁰

THE BIONIC COMPANY

NOVEMBER 07, 2019

By [Rich Hutchinson](#), [Lionel Aré](#), [Justin Rose](#), and [Allison Bailey](#)

—
Bionic: having normal biological capability or performance enhanced by or as if by electronic or electromechanical devices (Merriam-Webster)

Technology has ushered in the age of the bionic company. Organizations that combine the capabilities of humans and machines will develop superior customer experiences and relationships, more productive operations, and dramatically increased rates of innovation.

Customers are demanding the relationships and innovation, while competitors are driving the push for productivity through automation. Companies across industries are embracing artificial intelligence (AI) and machine learning. The combination of these capabilities—along with low-cost data sensors, computing power, storage, mobile connectivity, and robotics—means that customer relationships and business processes will become radically augmented, if not fully automated, in the next few years.

The primary barrier to progress today is no longer technology itself. Rather, it is finding the right design for a company so that it can unleash the power of technology. Business leaders need to ask two questions: What does the bionic company look like? And what is the practical path for traditional companies to take when converting their organizations to the new model?

Not all of the answers are known, but the organizations, business models, and processes of so-called digital natives—such as Alibaba, Amazon, Google, Netflix, Salesforce, Tencent, and Tesla—offer a clear sense of direction. So, too, do older companies in the midst of bold transformations, including Inspire Brands, L'Oréal, Recruit, and Renault.

What the company of the future will look like is becoming clear. At the center is its purpose and strategy: the reasons it is in business and how it brings

⁶⁰ <https://www.bcg.com/publications/2019/bionic-company>

those reasons to life. Four enablers allow companies to operate as bionic organizations: two have to do with technology and data, while the other two address talent and organization. Three outcomes about how these companies do business are the result. (See the exhibit.) We explore all this below.

WHAT THE COMPANY OF THE FUTURE WILL LOOK LIKE IS BECOMING CLEAR.

PURPOSE AND HUMANITY

For all that machines will change us, humans will remain the essence of companies. In fact, the real power of a bionic company lies in further unleashing the power of human creativity. Machines are only enablers.

As companies move toward more bionic operations, purpose and strategy become more important than ever. They are the essential elements that inspire and align rapidly moving autonomous teams. Bionic companies will be very effective at establishing [“an unbroken chain of why”](#) that links business outcomes with the work that individual teams are charged with delivering. As people shift from operating processes to designing them, companies need to pay huge attention to [how they reskill their managers and employees](#) and motivate them during a time of such major disruption. Attracting talent will be, in part, a function of whether companies are able to deliver on purpose and strategy in such a way as to create high levels of employee engagement. We can also expect society—meaning customers and shareholders—to demand more than ever from business. The company of the future will want to meet their expectations because [companies that play a positive role in society deliver superior shareholder returns](#).

OUTCOMES

Three types of outcome will shape bionic companies.

Personalized Customer Experiences and Relationships

Digital technologies are already profoundly changing how both B2B and B2C companies relate to their customers—and we’re just getting started.

To date, the most obvious changes have been in customer channels and experiences. Thanks to technologies such as the internet, e-commerce, and mobile devices—powered by increasingly personalized analytics—customers

today expect companies to understand them and know their preferences. They look for seamless, 24-7, personalized service across physical and digital channels.

At the same time, search engines, recommendation features, and social media have transformed marketing from outreach to dialogue. A heretofore unknown level of transparency for customers requires that companies be authentic, deliver great products and services, and engage with customers on their preferred social media sites. The ones that do it best build loyalists who amplify the organizations' brand reputations.

SEARCH ENGINES, RECOMMENDATION FEATURES, AND SOCIAL MEDIA HAVE TRANSFORMED MARKETING FROM OUTREACH TO DIALOGUE.

Still, customer experience is in its adolescence, and the state of the art will continue to evolve. Increased connectivity and bandwidth, voice recognition, and augmented, virtual, and mixed reality will lead to further changes in preferred communication modes. We are also seeing customer experience blur across digital and human lines. Digitally supported in-store staff are providing customers with superior service and assisting them in the virtual world. Companies in China, for example, ask retail staff to engage local customers continually through social media—and have increased revenues by 10% to 30% as a result. Over time, the human and digital distinctions of channels will recede, becoming bionic.

The most important shift, though, goes deeper. Business models in many industries are undergoing a metamorphosis as companies move from a focus on product or service sales to a business model built on cultivating customer relationships—the ultimate manifestation of customer centricity. It was not possible a few years ago for a consumer goods company to know very much, beyond broad-based geographic and demographic facts, about the people who purchased its products. Nor was it feasible for a B2B company to know all of its small- and midsize-business customers. Today, a tire distributor can accurately predict the demand for tires in major cities block by block, which allows the company to optimize its entire supply chain and never miss a sale.

With digital engagement and 24-7 connectivity, personalized “segment of one” relationships at scale are not only practical but imperative. Businesses that simply used to sell products are now building databases that house information about every customer who could possibly want their products.

Companies engage customers in context—at the right time and in the best location. For example, the financial-services arm of an equipment manufacturer knows every piece of equipment coming off lease among its own customers and those of its competitors, and it is learning to predict which customers to target to convert to its brand. Companies are thinking about customers throughout each customer’s lifetime—from attraction and engagement to providing maximum value to building long-term loyalty and advocacy. What’s more, pursuing a relationship business model doesn’t change only customer engagement. It also shifts such fundamentals as pricing, metrics (for instance, lifetime value and cost of acquisition), product strategy, and the profit model for the business.

Industries are at very different points on this journey. Some companies, such as those that provide software as a service, have substantially completed this shift. But many more, such as consumer and industrial-goods companies, and even businesses in finance and telecommunications, have a long way to go.

Bionic Operations

The vast majority of business processes today are operated by human beings. In the not-very-distant future, almost all business processes and operations will be heavily augmented, or even operated, by machines, many of which will be [running AI algorithms](#).

IN THE NOT-VERY-DISTANT FUTURE, ALMOST ALL BUSINESS PROCESSES AND OPERATIONS WILL BE HEAVILY AUGMENTED, OR EVEN OPERATED, BY MACHINES.

Machines can do much of what humans do, although they are best suited to singular tasks rather than multifunction jobs, and they can often perform faster and more efficiently. Machines can sense (with cheap data sensors), remember (with cloud servers and data lakes), make decisions (with AI and advanced analytics, as well as mobile connectivity), and take action (using robots and autonomous vehicles). More and more of these functions can be accomplished at reasonable cost; and when machine- and AI-automated or augmented processes are well developed, they have lower marginal costs and are robust.

Most important, machines learn steadily. Once machine-assisted performance passes human capability, these processes climb learning and experience curves, giving the organizations that adopt machine-augmented operations

first-mover and powerful, long-term competitive advantages. (There is a tradeoff: because machines do not adjust well to unforeseen or changing circumstances, companies need to decide where and how they can best be applied.)

We are already seeing this evolution play out in simple processes (back-office robotic process automation, for example) as well as in higher-value, more complex processes. The latter include both internal operations—such as sales force optimization, production forecasting, maintenance optimization, and manufacturing automation—and customer engagement, such as e-commerce offer selection and dynamic pricing and promotions.

As machines and AI take over more of any given company's operations, the role of humans inevitably will change. Many new jobs will be created for people to design augmented and automated processes and improve them over time. Indeed, over the medium to longer term, we expect to see a fundamental shift in the nature of work—from processes operated by humans to processes designed and audited by humans. Capturing value from this shift will require a massive redesigning of legacy business processes to enable humans and machines to work together. This is where many traditional businesses struggle, while digital natives can design for this sort of collaboration from the get-go.

It is critical to understand that building and managing bionic processes requires a fundamentally new way of working. These processes are most rapidly created and built by multidisciplinary teams that are tasked with a goal or an outcome and are empowered to find the best way to achieve it. These teams have a product owner and a clear mission, and they work with an agile methodology. As we will see later, the economics and ways of working used by these teams and processes will cascade throughout the full organizational structure.

BUILDING AND MANAGING BIONIC PROCESSES REQUIRES A FUNDAMENTALLY NEW WAY OF WORKING.

New Offers, Services, and Business Models

Continuous innovation will be a hallmark of the company of the future. The combination of data, technology (including AI), and talent will enable bionic companies to develop and bring to market an ongoing stream of new products and services, many of which will also involve new models for business and

customer interaction. Consider recent history. Over a few decades, Amazon evolved from an online book retailer to an online marketplace to a cloud computing leader to a home entertainment force to a feared disruptor in health care and a major investor in industries as disparate as automotive and food delivery.

But perhaps no company illustrates the potential for growth and expansion through innovative new offerings better than Alibaba, which in 20 years has launched the Taobao online marketplace, Tmall, Alibaba Cloud, AliExpress (online retail aimed at international buyers), the Cainiao logistics network, Ant Financial Services Group, and Credit Sesame (a credit scoring agency).

Over the next decade or two, we expect many more companies to transform their new offerings capabilities, from:

- Centrally driven R&D functions to hundreds of innovative, empowered product-building teams
- Top-down direction of ideas to a directed portfolio of rapid experimentation, where senior executives can see and rapidly scale winning propositions
- Deliberate, paced sequencing of new offerings to a more rapid pace of change

The most successful companies will not shy away from going outside of their traditional core markets or product offerings. They will leverage their corporate assets—including customer access, distribution channels, brand, and capital—to arm their new ventures with formidable advantages.

TECHNOLOGY ENABLERS

Technology used by the company of the future will look very different from today's in two critical ways.

Data and AI

The blood of bionic companies is data: it brings machines and AI to life. As companies move from a system in which decisions are made by humans to one in which decisions are made jointly by humans and AI, they will have to build up their ability to collect, manage, and use data from multiple sources as an input and feedstock for their advanced analytics. This means being able to:

- **Create data on almost every aspect of customer experiences and operations**
- Construct data lakes, which hold data from all sources in a ready-to-use condition
- Embed data science skills and technology throughout the organization
- Track outcomes in order to train algorithms
- Build ongoing learning and innovation into machine-AI operations

Critically, companies will need to identify the use cases for which data can create the most value. There's no shortage of potential examples: they include predictive maintenance or machine control in manufacturing; advanced production flows or inventory management or transportation in supply chains; and next-best-offer, pricing, promotions, and marketing messages in commercial functions. Success starts with picking the top use cases, accessing the data, leveraging AI and advanced analytics, adapting the organization and process, turning insight into business actions, tracking outcomes, and creating learning loops.

For the bionic company, two huge competitive benefits can result. First, those creating or accessing unique data will gain an advantage, at least in the near term. Digital natives are working tirelessly to create such advantages today—while many traditional companies haven't really started. But the companies that master the art of embedding advanced analytics into their most important processes and decisions will gain a second, even greater, advantage.

Modular Technology

Bionic companies must make two related shifts with regard to their technology. The first is from a mix of legacy technology systems across business units to a company-wide, common, next-generation technology stack. The second is from technology systems as a way to execute basic processes to fully modular, horizontally layered technology platforms (such as those used by digital natives) that enable rapid innovation and the customization of key processes and experiences.¹ Many will go through an interim step as well: transforming their core systems by gradually moving to digital-native, modular technology—including, for example, microservices, containers, cloud-based infrastructure, data and platform services, and APIs—to make data accessible and able to support key use cases. In this phase, companies will also deploy agile and DevOps at scale, if they haven't already. Fully digital companies—such as Amazon, Salesforce, and Uber—have common, fully decoupled, next-generation technology platforms that allow access to standardized operating processes across their businesses. They also

tend to include capabilities such as deep data, sophisticated analytics reporting, workflow management, and easy linkage to internal and external consumers of such processes and resources. These modular technology platforms are easily leveraged to create deliverables and outputs for both internal and external processes and experiences. As a result, innovation is fast. For example, HR teams at Salesforce were able to put out an onboarding app for new employees (which tracks when they are coming, who will greet them, where they will meet, the order for their computer, and so forth) in just a couple of weeks.

The challenge and cost of transforming the technology stack and function shouldn't be underestimated. Organizations will find that they can make greater, faster progress by moving away from a systematic, wholesale rejuvenation and toward a more flexible data- and transaction-driven approach, leveraging the advantages of full next-generation technology stacks from day one. This approach can create value quickly and early on, eventually developing an architecture that can support the desired rapid adaptation.

HUMAN ENABLERS

As bionic companies organize around autonomous teams and learn to work in new agile ways, talent and organization will be more important than ever.

Digital Talent

Much of the discussion to date around bionic companies has centered on prospective job losses as machines take on more processes and operations. The transition will be disruptive, no doubt about that. But for managers, the first question—before tackling any transition—is, what kind of talent will their companies need in the future? Our view is that human talent will be more important than ever. As human capacity is deployed more for designing, auditing, and innovating processes (as opposed to operating them), the need for people with design and technical skills, already acute, will soar. Employees who are flexible, adaptable, and able to learn will also be at a premium.

HUMAN TALENT WILL BE MORE IMPORTANT THAN EVER.

Good product managers and designers of user experiences and interfaces (think customer journey mappers) will become table stakes requirements as the configuration of digital processes and products gains in importance. All companies will need people who focus first on the frictions and pain points of customers and then work with technology engineers to find technical solutions

to resolve the problems. Data scientists and engineers will be equally critical to deliver new data features and outcomes. Companies will see substantial talent shifts in key functions where new technologies are already having a big impact on necessary skill sets. [Marketing, for example, is rapidly becoming a dramatically more analytical function](#), and traditional creative and brand-building skills, while still important, are now only one part of the mix. Since many employees today do not have the required skills for a bionic future, the challenges of transition will be dramatic. Companies will need to employ multiple levers. The most important will be retraining current staff: a number of companies in traditional industries have already shown how retraining can be more effective than replacement. The main alternative will be letting current employees or contractors go and then rehiring or accessing capabilities from other sources for new needs.

Dynamic Platform Organizations

Some of the most profound changes for bionic companies will involve organizational structure, new ways of working, and leadership.

Organizational Structure. Companies today are often designed around well-defined business units and practices: individual market profit and loss statements or manufacturing and operating facilities, for example. And despite the presence of central functions and centers of excellence, most processes are managed by business unit heads, national or regional executives, and plant managers.

As a result, processes are customized by the organizational unit and its top management, and differences often outnumber commonalities. This structure has worked well for decades as companies put smart people close to the business mission and let them run those business units effectively.

In a bionic company, digital-human processes will, by necessity, have many more standardized elements. There are a few core economic drivers. First, AI needs mass data to train algorithms, and software needs standardized data to be broadly effective. Second, talent scarcity means that companies can't build dedicated technical capabilities in every market and business unit. And while costs have dropped, technology needs to be sufficiently standardized and modular for investments to be efficient. Put another way, you typically can't train a pricing algorithm using the sales data from a single sales unit alone. Nor does it make sense to invest in different systems that do the same thing in each unit of a company.

Because bionic processes require greater standardization and new ways of working, a platform organization structure will emerge. Our experience shows that companies can typically identify 30 to 50 major units of work or bionic processes. These can be customer-facing processes, frontline support, operations, or back-office processes.

Bionic processes will no longer be owned, either fully or partially, by business units. Rather, they will be built and managed by agile teams that have business missions and service commitments. Taken together, they form platforms that support the frontline and operations teams as well as customers. Done right, the go-to-market and operations teams are freed from much of their internal focus; they can be even more intensely committed to their core missions of sales, marketing, service, or operations.

In a more modular economy, bionic organization structures even extend beyond traditional employment walls. Companies will fill capability gaps by tapping into ecosystems (think Salesforce's customer relationship management or Amazon Web Services). More people will work atop a platform without joining the sponsoring company (as Uber and Lyft drivers do).

New Ways of Working. Bionic companies also need to work in new ways. We call this model *agile at scale*. The teams that design and manage bionic processes will leverage agile methodologies. To staff agile teams, the hiring and development of people will be separated from the teams in charge of actually doing the work. This is a dramatic change from the traditional model, in which leaders hire people for specific roles and then manage their teams' operations directly. And, not surprisingly, a new operating system of processes to deploy teams, plan expenditures, manage strategy, determine incentives, and oversee modes of collaboration will be required to harmonize these new structures and ways of working.

Leadership. There are big implications for leadership. Gone are the days of traditional hierarchies where leaders directed managers who then distributed the direction. In bionic companies, middle management shrinks, and three modes of leadership emerge. First, and most obvious, are those who lead by doing—taking on product owner roles in the agile teams. These leaders act as player coaches. Second, the chapters (of capabilities) have leaders who are accountable for bringing in and developing the best talent—creating communities.

Finally, **senior executives must adapt to a Silicon Valley leadership style**— setting company goals, translating those goals into work to be done, deploying teams with the right capabilities, aligning the organization, and removing roadblocks. These leaders are much less involved in daily decisions. Rather, they step back to allow speed. They steer the organization by setting goals, adding resources for teams that are succeeding, and redeploying resources when teams finish work or initiatives fail.

Technology is no longer an impediment to huge leaps in customer engagement, growth, efficiency, and value creation. Rather, most companies face barriers in their legacy operating models, including human processes, old-school organizational models, fragmented systems, insufficient data and inability to access it, and lack of design and digital talent.

The transformation to a bionic operating model will be a massive challenge for most. CEOs need to start with a vision of the future as they design a new way of operating. We hope that this article provides a blueprint and key design principles for that vision.

The second critical issue CEOs face is how to undertake such a transformation. In our experience, the traditional companies that move the fastest do several things. They start by selecting a few big use cases at the heart of their businesses. Then, they pursue all of the capabilities and enablers described above to make a step change. They insist on three outcomes: real business value, increased customer benefit, and a truly changed organization. (L'Oréal took this approach in marketing; Tata Steel adopted it to digitize its supply chain.) When a company can fully see what a bionic organization looks like and what its benefits will be, then the road to broader scale becomes clear and necessary.

This article, originally published on May 31, 2019, has been updated to reflect the authors' ongoing work in this area.

23.2.5 The Bionic Company Exists

Once a futuristic vision, the bionic company is here. Leading companies in multiple industries are combining the strengths of humans and technology to create superhuman—bionic—capabilities. Here we explore what the bionic company looks like, how it operates, and how traditional companies can think about transforming themselves into superhuman enterprises.

[What Is a Bionic Company?](#)

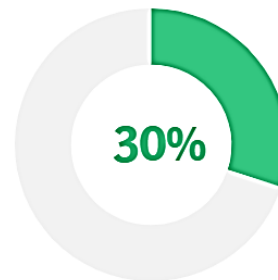
[Drivers of Bionic Change](#)

[Attributes of a Bionic Leader](#)







[Latest Thinking on Bionic Companies](#)

[Meet BCG’s Bionic Experts](#)

Successful digital transformations are rare. But companies that get six factors right can flip the odds of success from 30% to 80%.



(Select a factor to read more)

<p>1</p> <p>Craft a clear, integrated strategy</p> 	<p>2</p> <p>Commit to leadership from the top down</p> 	<p>3</p> <p>Put the best people in the right places</p> 
<p>4</p> <p>Adopt an agile governance mindset</p> 	<p>5</p> <p>Monitor and measure your progress</p> 	<p>6</p> <p>Rethink and modernize your tech stack</p> 

23.2.6 If Failure Is Not an Option, Why Is Success So Rare?

With so much at stake to build digital capabilities that drive customer centricity and productivity, why do so many companies fail? And not just troubled companies—top performers, market leaders, and investor favorites, too. New BCG research shows that 70% of digital transformations fall short of their objectives, often with profound consequences.

Digital transformations are an imperative as today's leading corporations need to [build bionic capabilities](#) in order to harness the potential of disruptive technologies and integrate them into new processes, organization models, and ways of working. This necessity has been accelerated by the pandemic.

Our research shows that more than [80% of companies plan to accelerate their companies' digital transformations](#)—and with good reason. Overwhelming evidence shows that successful digital transformations drive performance and competitive advantage and propel companies toward becoming bionic.

[Digital leaders achieve earnings growth that is 1.8 times higher](#) than digital laggards—and more than double the growth in total enterprise value. In the short term, digital technologies and ways of working offer productivity improvements and better customer experiences. In the medium term, digital opens up new growth opportunities and business model innovation. Successful transformations also set companies up for sustained success; they won't have to digitally transform again as they master continuous innovation. Investors say that 50% of companies should [invest more aggressively in digital](#) capabilities and technology.

But there is a conundrum for management: digital transformations are difficult to execute. And with so much on the line, only 30% of transformations succeed in achieving their objectives. There are good reasons for this, too. Delivering such fundamental change at scale in large, complex organizations is challenging, especially with short-term pressures. Individual leaders must decide whether they want to jeopardize their careers against these odds or risk falling behind.

The technology is important, but the people dimension (organization, operating model, processes, and culture) is usually the determining factor. Organizational inertia from deeply rooted behaviors is a big impediment.

Failure should not be an option, and yet it is the most common result. The consequences in terms of investments of money, organizational effort, and elapsed time are massive. Digital laggards fall behind in customer engagement, process efficiency, and innovation.

In contrast, companies that are successful in mastering digital technologies, establishing a digital mindset, and implementing digital ways of working can reach a new rhythm of continuous improvement. Digital, paradoxically, is not a binary state, but one of ongoing innovation as new waves of disruptive technologies are released to the market. Consider, for example, artificial intelligence, blockchain, the Internet of Things, spatial computing, and, in time, quantum computing. Unsuccessful companies will find it extremely hard to leverage these advances, while digital organizations will be innovating faster and pulling further away from digital laggards—heading for that bionic future.

Digital transformations can define careers as well as companies. The fundamental question on the minds of all business leaders must be: "How can I ensure that my organization is among the 30% of successful transformers?"

With the insights gathered from both our empirical work with clients and a global survey of senior executives whose companies have undertaken transformations, we have carefully analyzed the main drivers of success. The work is evidence based. It shows that getting just six things right flips the odds for success from 30% to 80%.

[DISCOVER DIGITAL TRANSFORMATION AT BCG](#)

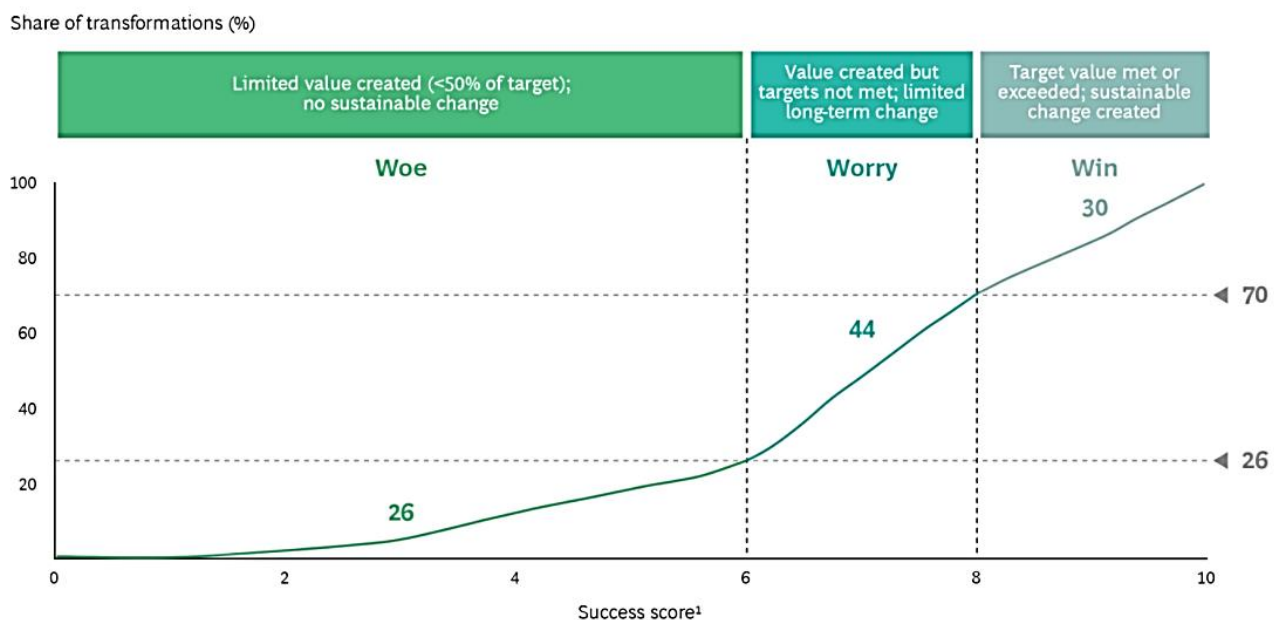
How Winners Win

Our research involves both internal and external data sets. The internal data comes from BCG’s own experience working with 70 leading companies worldwide on their digital transformations over the past several years. The external data comprises responses offered by 825 senior executives in a detailed survey about their transformation experience.

To determine how companies succeed, we asked executives to assess their transformations on a scale of 1 to 10. We defined success to include the percentage of predetermined targets met and value created, the percentage of targets and value met on time, success relative to other transformations, and success relative to management’s aspirations for sustainable change.

Only 30% of transformations met or exceeded their target value and resulted in sustainable change; companies in this group are in the win zone. Some 44% created some value but did not meet their targets and resulted in only limited long-term change; these companies are in the worry zone. And in the woe zone, 26% created limited value (less than 50% of the target), producing no sustainable change. (See Exhibit 1.)

Exhibit 1 - Only 30% of Digital Transformations Are Successful



Source: BCG analysis.

Note: Based on 895 transformations.

¹The success score is calculated on the basis of the percentage of predetermined targets met and value created, the percentage of targets met and value created on time, the success relative to other transformations, and the success relative to management’s aspirations for sustainable change.

From a comparative point of view, successful transformations created, on average, 66% more value, improved corporate capabilities by 82%, and met 120% more of their targets on time than those in the woe zone. Compared with the worrisome transformations, winners created 29% more value, improved capabilities by 20%, and met 32% more targets on time.

WHAT DRIVES SUCCESS

Despite the differences in industries, starting points, and goals, management teams wrestle with a very similar group of questions at the start of a transformation:

Why are we doing this? Do we need to become more responsive to rapidly shifting customer needs? Does our productivity need a step change improvement? Is our ability to innovate lagging?

What should we do? The scope of digital transformations varies widely, from focusing on people (for example, agile at scale) to overhauling technology and infrastructure, replacing legacy IT platforms, and moving to the cloud. Many companies focus on specific business outcomes, such as personalization and digital marketing, end-to-end customer journeys, digital supply chains, and digital shared services.

How do we implement the transformation? There are many questions around leadership, governance, resourcing, focus, approach (such as using pilots, incubators, or lighthouses), and sequencing. How do we make sure that product, channels, and support functions work in unison with the technology function, and how do we get middle management on board?

Executives must make many important decisions before starting, and typically there are (legitimately) differing views around the leadership table. These can range from "Let's manage this in the business units so we can integrate well" to "We need to do something across the entire organization to change the mindset"; or from "Let's do some pilots, and if they succeed, we can expand to other areas" to "We must commit the whole organization to change."

When trying to bring everyone along with the overall plan, it can be easy to compromise and lose focus on the transformational aspiration. This is where the trouble usually starts. But among all the decisions that must be made, six critical success factors stand out. The companies that get these six factors right flip their odds of success from 30% to 80%.

The six essential success factors are:

An Integrated Strategy with Clear Transformation Goals. The strategy describes the why, the what, and the how, which are tied to specific, quantified business outcomes.

Leadership Commitment from CEO Through Middle Management. The company has high leadership engagement and alignment, including often-overlooked middle-management ownership and accountability.

Deploying High-Caliber Talent. Management identifies and frees up the most capable resources to drive the transformation program.

An Agile Governance Mindset That Drives Broader Adoption. Leaders address roadblocks quickly, adapt to changing contexts, and drive cross-functional, mission-oriented, "fail-fast-learn" behavioral change into the wider organization. They deal with individual challenges without losing sight of the broader goals.

Effective Monitoring of Progress Toward Defined Outcomes. The company establishes clear metrics and targets around processes and outcomes, with sufficient data availability and quality.

Business-Led Modular Technology and Data Platform. The company puts in place a fit-for-purpose, modern technology architecture driven by business needs to enable secure, scalable performance, rapid change deployment, and seamless ecosystem integration.

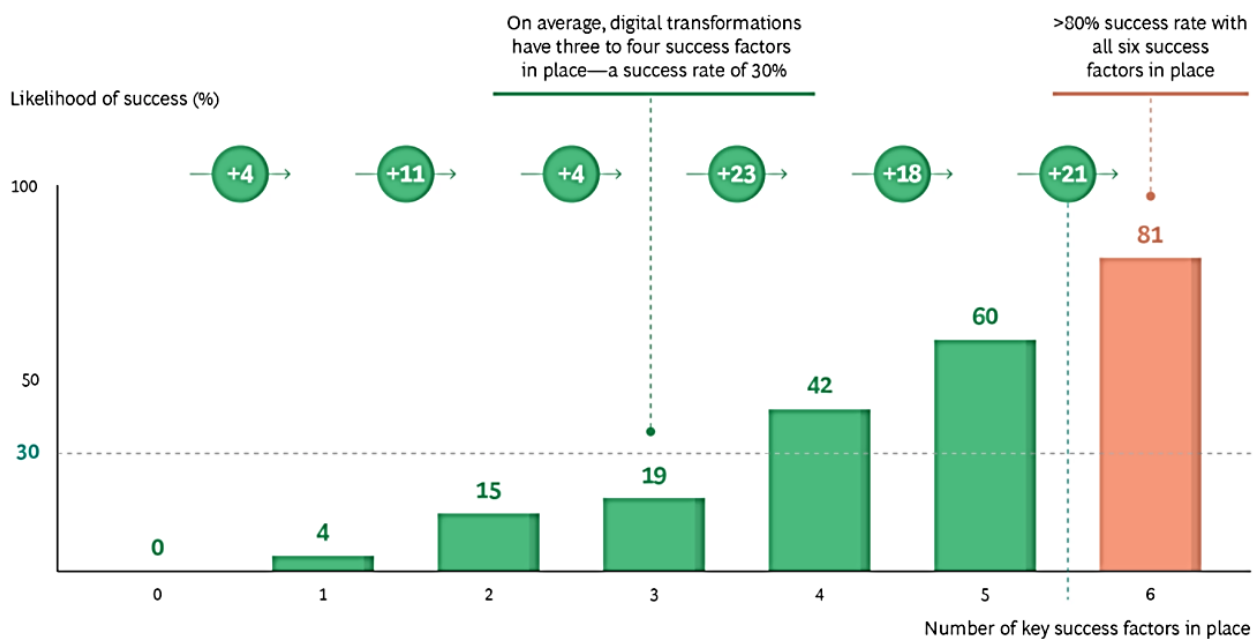
When tackling these six factors, companies must satisfy two conditions. First, management needs to make sure that each of the six is adequately addressed in their planning, preparation, and execution. Most companies in the worry and woe zones put effort into this. The problem is that these organizations did not address each factor sufficiently.

Sufficiency can often be a vague term and is susceptible to embellishment, especially when program leaders are justifying their plans in order to get sign off and resources. In the sections that follow, we provide a readiness checklist for each factor that companies can use to assess their positions. Imagine a high-jump contest. All the contestants have been practicing, all have prepared for the competition. But only

those who clear the bar will advance. The defining questions that we provide, based on empirical evidence, will help companies determine whether their chances of clearing the bar are low or high.

Second, it is crucial to address *all six* factors. (See Exhibit 2). Companies that adequately addressed only three or four failed.

Exhibit 2 - Companies Need to Perform Well on All Six Factors to Be Successful



Source: BCG analysis.

We tested more than 35 factors that reflect commitment, strategy, approach, governance, financial and people resourcing, and technology enablers. (See [“BCG’s Proprietary Research.”](#)) Out of all of the possible combinations that we examined, none had the same impact on success as these six. One reason is that many of them are correlated with one another. When organizations address one factor effectively, they also tend to address one or more of the others. For example, adopting an agile governance mindset correlates strongly with the adoption of agile principles and culture through the organization. Similarly, the quality of talent correlates closely with turnover rates, so that when organizations bring in strong people to run the transformation, these individuals are also less inclined to leave midway through the transformation.

We examine each of the six factors in depth in the following sections.

Factor 1: An Integrated Strategy with Clear Transformation Goals

All companies undertake some form of strategy setting. But only 40% overcome the hurdles to create a truly integrated strategy: a clear vision backed by a set of strategic imperatives and quantified business outcomes, linking digital to the overall business strategy and sustainable competitive advantage. A strong vision, or sense of purpose, energizes and aligns the organization. The strategy must be translated into specific actions embedded in an actionable business roadmap that addresses use cases and technology, people, and organizational capabilities.

One technology company had been spending money for several years on many discrete digital initiatives. But it made little progress until the CEO decided to align the executive team around company-wide digital imperatives. The management team then designed an approach for implementation that prioritized

resources around impact and struck a workable balance between company-wide initiatives and customized approaches at a business unit level.

Exhibit 3 provides the defining questions to assess whether this factor is adequately addressed.

Exhibit 3 - Readiness Check for an Integrated Strategy

 <p>DEFINE THE OVERARCHING VISION OR PURPOSE</p> <p>Do you have a clear aspiration that links to competitive advantage and value creation?</p>	 <p>EMBED DIGITAL IN THE OVERALL BUSINESS STRATEGY</p> <p>Is the success of the digital transformation critical to achieving your overall business goals?</p>	 <p>ALIGN LEADERSHIP AND CREATE A CHANGE AGENDA</p> <p>Is the leadership aligned on what it will take to effect the change required in behaviors and skills across the organization?</p>
 <p>DEVELOP A ROADMAP WITH PRIORITIZED INITIATIVES</p> <p>Does the business roadmap create transparency around prioritized activities, deliverables, timelines, financial and people resources, and a dynamic process to govern?</p>	 <p>CONCENTRATE ON DISCRETE BUSINESS USE CASES</p> <p>Are you focused on a small number of discrete and prioritized use cases with clear outcomes and committed, accountable business owners?</p>	 <p>ENSURE A CLEAR TECH AND DATA STRATEGY</p> <p>Have the tech and data platform requirements been determined on the basis of the specifics of the strategy and business needs?</p>

“The starting point must be a clear vision, focused on and motivated by customers. To deliver, you need a specific business case, led by senior executives, who are committed to working together.”

—Andrew Thorburn, former Group CEO and Managing Director, National Australia Bank

Factor 2: Leadership Commitment from CEO Through Middle Management

Most people understand the importance of commitment by the CEO and other top executives to large-scale change. Yet, by itself, commitment is not sufficient. Companies must also involve the relevant middle managers in the planning and execution of the transformation program to make sure they buy into the goals and strategy. Without this, middle managers often become sources of resistance, defending functional siloes and power bases. As one executive put it, “We knew that it was absolutely critical to address the ‘frozen middle.’ We couldn’t afford our middle management to be cynical or to want to preserve the status quo.”

Companies also need to recognize the threats to people’s careers that transformations can represent. Automation, bionic processes, and new ways of working mean job losses, especially if retraining and upskilling programs can’t compensate. And new digital skills must be brought in. Middle managers feel particularly vulnerable. As organizations adopt agile operating models, they must adjust compensation programs and career paths and then communicate those changes effectively. A motivating purpose, coupled with transparency, is a powerful weapon for bringing people on board and activating behavioral change.

One successful company took the time to involve middle management in the design of the transformation, making it evident that individual managers would be unable to deliver their specific targets unless company-wide digitization succeeded. In another example involving a global organization, management took care to demonstrate the impact of the digital solutions in one operating company before scaling to its functions in other countries. Senior executives also worked hard to respect different countries’ business contexts while remaining firm about the need for full adoption.

In our survey, three out of four executives felt that they had good leadership engagement. In fact, however, only one in three had committed middle-management engagement. In those companies, the middle managers felt motivated and empowered to deliver outcomes.

To assess your organization's leadership commitment from the CEO through middle management, see the questions in Exhibit 4.

Exhibit 4 - Readiness Check for Leadership Commitment




SHOW THE VISIBLE COMMITMENT OF LEADERSHIP FROM THE CEO TO RELEVANT SPONSORS AND EXECUTIVES

Do the CEO and key executives have a high-profile role in communicating the importance of the transformation?
 Are executives consistently supporting the transformation leadership to address and resolve issues?
 Is the senior leadership participating in frequent, forensic reviews of progress?



DEVELOP A MOTIVATED AND EMPOWERED MIDDLE MANAGEMENT

Have key middle managers been involved in developing the objectives, business cases, and transformation approach?
 Are middle managers conveying the most important communication messages to their teams?
 Are mentoring and feedback provided to middle managers to empower them to lead change?
 Is there an active plan to reward champions and sideline blockers?
 Are middle managers' performance objectives linked to the transformation success?

“It was the persistence and results-oriented mindset from the leaders as well as employees from all parts of the company that got us through.”

—Somkiat Lertritpuwadol, Senior Executive Vice President, Corporate Strategy, IRPC

Factor 3: Deploying High-Caliber Talent

Companies often do not have the mix of skills that they need, and they tend to underestimate the skills and expertise of the people required to execute a successful digital transformation. In fact, only one in four organizations in our research cleared the hurdle on this dimension. The successful companies paid particular attention to transformation leadership positions, addressing both digital expertise and broader skills. One executive told us, “You need a core of around 10 digital superstars to drive new ways of working in around 100 others.” Just as important are broad-based skills, such as persistence, pragmatism, resilience, collaboration, critical thinking, creativity, emotional intelligence, and learning agility.

Successful companies demonstrated visible commitment to the organization by appointing the best people with the highest potential to lead the transformation. They carefully assessed the roles and skills required and were prepared to source some roles externally if needed. They also ensured that talent was managed actively—by, for example, rewarding and retaining strong performers and rotating out underperformers.

A large airline understood that the selection of the transformation program manager was key to success. It took the time to find a digital native who also had the leadership skills to be authentic, honest, persistent, and, when necessary, confronting.

To assess whether your organization is playing its part in securing high-caliber talent to drive transformation, see Exhibit 5.

Exhibit 5 - Readiness Check for High-Caliber Talent



SHOW VISIBLE COMMITMENT THROUGH RESOURCING DECISIONS

Have you sent a clear signal to the organization that the best performers will be involved and that this is a career-advancing program?

Have you taken extra care around who fills pivotal roles, such as that of the program manager?



TAKE AN OPEN-SOURCE APPROACH TO GETTING THE RIGHT TALENT

Do you have a detailed assessment of the skills required and the gaps to be filled?

Do you have a plan to source and retain required skills in a timely manner, including hiring new talent or accessing external resources?



ENSURE EFFECTIVE TEAM COMPOSITION

Are there enough digitally literate people to drive new thinking?

Have you sourced team members tactically from business units and functions so that they become champions in critical areas?



MANAGE THE TALENT DYNAMICALLY TO SUSTAIN AND REFRESH

Are processes in place to evaluate and develop team members and replace poor performers?

Do you have visible ways to celebrate successes and manage morale?

“You need program leaders who bring digital skills and a digital mindset as well as the ability to navigate organizational dynamics. Qualities like stamina, authenticity, and a single-minded focus on the goals are also critical.”

—Sander Stomph, Vice President Leading Digital Operations, KLM

Factor 4: An Agile Governance Mindset That Drives Broader Adoption

This success factor has two elements that turn out to be highly correlated. First, the leadership must govern the transformation with an [agile mindset](#). This means engaging deeply enough to be able to actively steer decisions, tradeoffs, and priorities by serving as an effective escalation point for teams. One executive described her company’s approach this way: “We had a weekly ‘impediments’ agenda item where program leaders could tell executives about roadblocks and get them addressed.” Leaders should also be prepared to adapt the governance and adjust priorities on the basis of changing context. In this way, they demonstrate resilience and reinforce commitment to the vision and goals, especially when there are setbacks or moments of truth, such as funding or competitor pressures.

Second, the leaders must [drive agile behaviors broadly](#) into the organization. This requires authentic belief in the behavioral changes required, as well as playbooks, processes, and support to enable the organization to work in a cross-functional, mission-oriented way.

At the start of one successful transformation, members of the executive team were skeptical about agile ways of working. They also recognized that certain corporate initiatives, such as migrating customers to new products and technology stacks, had not been progressing well in the functional organization because motives and incentives were not aligned. The team visited some companies that had deployed agile and became convinced that the move from a functional orientation to a mission-based approach was vital. They oversaw the development of playbooks and operating models and revamped corporate processes around such principles as agile funding and mission-oriented initiatives. At that point, everyone on a mission shared the same targets and worked collaboratively in two-week sprints. The organization began to deliver results much faster.

The research shows that more than two out of three winning digital transformations had effective agile leadership, while 90% of those in the woe zone lacked this factor. In our discussions, executives agreed that they [themselves must initiate the change](#).

To assess whether your organization has adopted an agile governance mindset and is set up to drive broader agile adoption, see Exhibit 6.

DEMONSTRATING RESOLVE AND PERSEVERANCE
 When setbacks occur, is the leadership committed to regrouping and pushing ahead?
 Does the organization perceive leadership as authentic in its commitment to succeed?

PRAGMATIC SUPPORT TO RESOLVE ROADBLOCKS
 Is the leadership available to listen to concerns and challenges from the teams?
 Is the leadership ready to take actions to resolve escalated and contentious issues?

COMMITMENT TO PIVOT BASED ON CONTEXT AND LEARNING
 Is the leadership team ready to adapt to improve—through, for example, new governance, more delegation, and reprioritizing resources and deliverables for better outcomes based on new information?

BEHAVIOR CHANGE ACROSS THE ORGANIZATION
 Is there visible commitment at the top to new ways of working, as evidenced by funding, setting up cross-functional missions, and tolerance of some of the ambiguities of an agile approach?
 Are you investing in skills, processes, ceremonies, and positions, such as agile coaches, to scale up agile behaviors?

ENSURING THAT TEAMS EMBED EFFECTIVE AGILE PRINCIPLES
 Are silos being broken down, and are teams working in cross-functional ways?
 Are teams demonstrating an agile mindset through sprints, rapid escalation, building minimum viable products, and a "fail-fast-learn" approach?

“Our vision was to build a connected company, internally and externally, with customers and suppliers. We knew it would take three to five years and spent considerable time building the conviction to stay on this course.”

—Phillip Tetteroo, Vice President, Digital Programs, Global Brands, Strategy & Programs, adidas

Factor 5: Effective Monitoring of Progress Toward Defined Outcomes

Often, monitoring progress is regarded as a simple matter of good corporate hygiene. However, only two out of five organizations in our study addressed this factor adequately, compared with 90% of organizations with winning transformation programs. Measuring success adequately includes:

- Creating a clear mandate and accountability to monitor progress and to tackle roadblocks and challenges
- Defining detailed operational or financial metrics linked to strategic intent
- Tracking outcomes regularly at both program and initiative levels
- Maintaining a single source of truth on data





For example, one organization implementing a new technology stack developed a comprehensive set of KPIs around the delivery of specified functionality. Management used data from the software teams to develop company-wide measures of productivity and defect rates as well as to assess progress toward agreed-upon milestones. It also developed metrics for value realization, measuring customer migration, operational efficiency (such as end-to-end processing without human intervention), and associated productivity benefits.

As one executive said, "It was essential to join the dots between people with accountability for delivering IT solutions and line managers who had signed up for the business impacts. It is not easy."

To assess whether your organization is ready to effectively monitor progress of your transformation, see Exhibit 7.

Exhibit 7 - Readiness Check for Effective Monitoring



 <p>TRUSTED REPORTING ENTITY WITH CLEAR, ACTIVIST MANDATE</p> <p>Is your transformation management office trusted, with an activist mandate to challenge leaders, track progress, and hold people accountable for delivery performance?</p>	 <p>METRICS LINKED TO THE STRATEGIC INTENT</p> <p>Have you defined a simple, clear set of critical metrics, tied to strategic intent and business outcomes, with an understanding of underlying operational drivers?</p>
 <p>ACCOUNTABILITY FOR DELIVERY</p> <p>Do you have clear accountabilities for the targets?</p>	 <p>A SINGLE SOURCE OF TRUTH FOR DATA</p> <p>Do you have a trusted source of operational and financial data, enabling resolutions of issues such as baselines, net versus gross benefits, and double counting?</p>

"Effective monitoring of results is critical. I presented ROI-based marketing performance (versus our shared targets) to the leadership team weekly. By the end of the first quarter, we were seeing positive results from the marketing initiatives and overall positive impact on the shared company targets. The team started to believe in the power of the initiatives and were excited to invest more."

—Aimée Lopic, former Chief Marketing Officer, Pandora

Factor 6: Business-Led Modular Technology and Data Platform

More than half of the companies in our research struggled with a lack of flexibility in their technology platforms. Among successful transformations, however, two out of three invested in a business-led, modern fit-for-purpose technology and data platform to support the development and scaling of digital use cases.

Successful CIOs reinforce that the technology and data platforms must be designed around business priorities. They then implement them using best practices for modularity, flexibility, and scalability, with continuous learning and delivery. Deployment is carried out in frequent release cycles in order to adapt to changing business needs and deliver value incrementally. "We knew that deploying new IT architecture without addressing product and process complexity would have minimal business impact, so we focused on radical simplification and then enabled this with new IT platforms," one company executive said. According to another, "All IT teams were mandated to adopt agile DevOps, and this enabled tight business ownership, rapid iterations, and continuous feedback."

One company waited until it was in the late stages of its transformation to upgrade the data infrastructure and technology architecture for each country. As the tools were rolled out to frontline brand managers globally, improvements made in one country could be quickly replicated across the whole organization.

To assess whether your organization is prepared with respect to technology and data, see Exhibit 8.

Exhibit 8 - Readiness Check for a Technology and Data Platform



 <p>BUSINESS-LED AND FIT-FOR-PURPOSE</p> <p>Are the proposed technology changes tightly aligned with the overall business objectives?</p> <p>Have you integrated product and process simplification, and organizational changes, into the designs of the new technology platforms?</p>	 <p>DESIGN FOR FREQUENT AGILE UPGRADES</p> <p>Is the architecture flexible, scalable, and ready to support the use cases in the transformation roadmap?</p> <p>Does the architecture build in flexibility for future use cases?</p> <p>Do you have an approach to modernizing or replacing legacy platforms?</p> <p>Are you investing in tools and people for agile delivery through a DevOps environment?</p> <p>Does your business-IT operating model support agile delivery?</p>	 <p>EMPHASIZE IT ARCHITECTURE DESIGN BEST PRACTICES</p> <p>Are you migrating toward a modular, microservices architecture?</p> <p>Does the architecture support easy integration with third-party ecosystems?</p> <p>Do you have well-managed data that meets future business requirements?</p> <p>Are you investing in modern tools and platforms (e.g., cloud, data lake, visualization, data governance)?</p> <p>Have conscious choices been made between commercial off-the-shelf software vs. customization?</p>
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Source: BCG analysis.

Beyond the checklists, which are broadly applicable, we also see many innovative ways to address the six success factors. The best companies tailor ways to increase their confidence in success. Some examples are shown in Exhibit 9.

Exhibit 9 - Examples of How Companies Configure for Success



<p>1 An integrated strategy with clear transformation goals</p>	<p>Identify a portfolio of benefits, including year-one impact, to build confidence and assist with funding and longer-term transformational investments.</p> <p>Create a multiyear funding plan with commitment to stay the course. Resources will come under pressure, so it is important to reprioritize but remain committed.</p>
<p>2 Leadership commitment from CEO through middle management</p>	<p>Go public with targets and commit to regular progress reports to investors. This raises the pressure on the organization and drives executive alignment.</p>
<p>3 Deploying high-caliber talent</p>	<p>Involve partners. Technology companies, platform providers, application developers, and experts all have roles to play. Explore ecosystems, involve partners early, share the vision, align incentives, and benefit from others' expertise and experience in decision making.</p>
<p>4 An agile governance mindset that drives broader adoption</p>	<p>Be pragmatic and flexible. The customer segment and brand needs, and the regional and country contexts, differ widely. The solutions in Beijing, Berlin, and Boston will not be the same, but they will need consistent approaches to governance, technology, and data resources.</p> <p>Enable the organization for continuous delivery. Work iteratively toward long-term goals. Get the organization comfortable with frequent small deliverables, as opposed to one big bang, with MVPs from which to learn and improve. This also improves morale, with many "got the T-shirt" moments.</p>
<p>5 Effective monitoring of progress toward defined outcomes</p>	<p>Ensure that your key metrics are connected from top-level aspirations down the organization to the lowest level of financial and operational accountability. We call this "plumbing the plan."</p>
<p>6 Business-led modular technology and data platform</p>	<p>Test the detail of the linkages between required functionality and platform and build costs. Often, insufficient detailed analysis is done on what is really required, leading to conservative assumptions on capital expenditures and lower returns on investment.</p>

“The advantages of moving to a modern, cloud-based, modular technology stack are huge in terms of end-to-end operational efficiencies and support to business needs and innovation. This type of transformation is a highly complex undertaking, but the rewards—delivering faster and higher-quality outcomes for our people and customers—are worth it.”

—Nikos Katinakis, Group Executive, Networks and IT, and Executive Sponsor Digitization Program, Telstra

SELECT ONE OF THE SIX FACTOR NAMES TO REVIEW

Factor 1: An Integrated Strategy with Clear Transformation Goals

Factor 4: An Agile Governance Mindset That Drives Broader Adoption

Factor 2: Leadership Commitment from CEO Through Middle Management

Factor 5: Effective Monitoring of Progress Toward Defined Outcomes

Factor 3: Deploying High-Caliber Talent

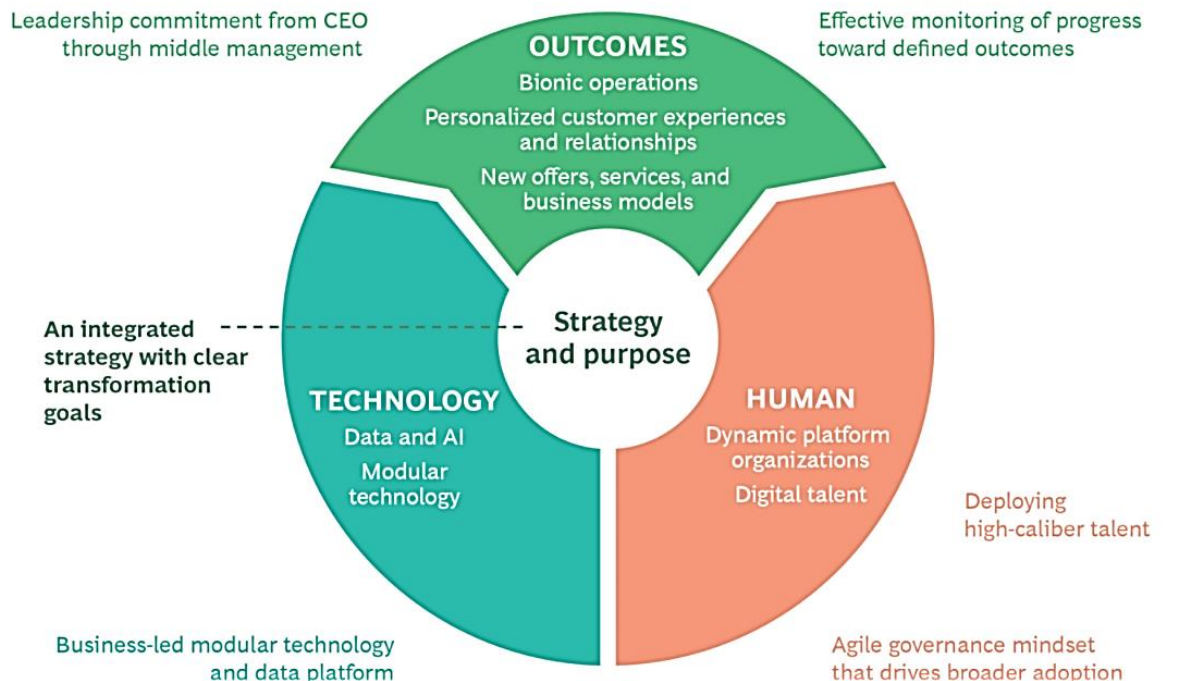
Factor 6: Business-Led Modular Technology and Data Platform

A Bionic Roadmap

Digital natives have shown us that the future of business organizations is bionic. By combining human and machine capabilities, bionic companies have the ability to do things that traditional businesses cannot. This bionic end state is a compelling goal, but achieving it requires a successful execution of a full transformation of both technology and human capabilities.

As companies move from their starting point (whatever that may be) toward becoming bionic, the six success factors for digital transformations reduce the risks of getting there and directly address building the necessary capabilities. (See Exhibit 10.)

Exhibit 10 - Six Success Factors Are Imperative to Develop Your Bionic Organization



“We focused on big opportunities, mapped the business processes to uncover the pain points and value, and used data and analytics to define measurable outcomes expressed as KPIs over a two-year period.”

—Andrew Geoghegan, Global Consumer Planning Director, Diageo

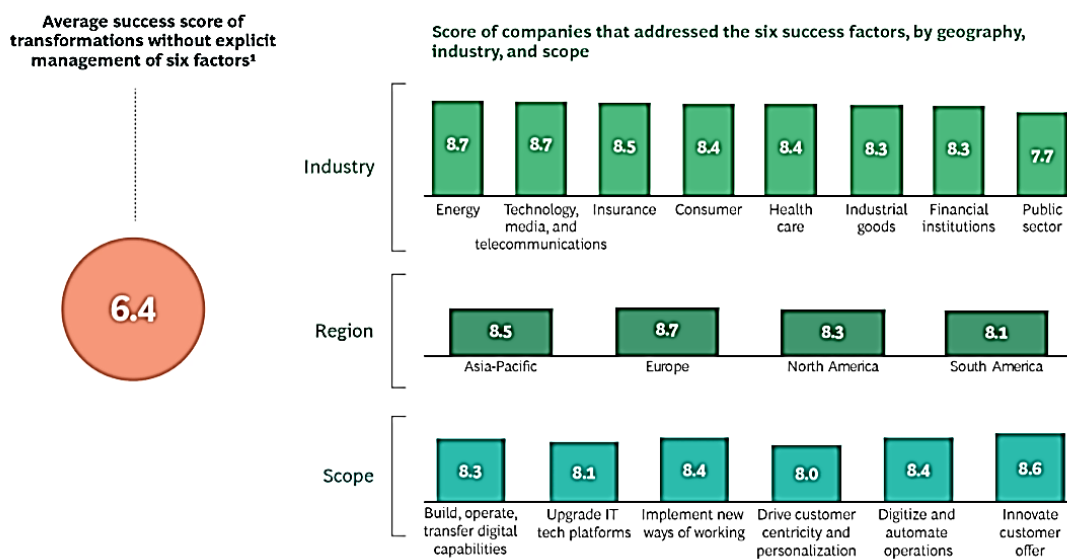
Setting Up for Success—and Going Beyond

Our work with clients on digital transformations surfaced other important lessons confirmed by our external research.

INVEST IN SUCCESS

The impact of the six success factors—and the ways in which they materially shift the odds for success—are remarkably consistent across all types of digital transformation, geographies, and industries. (See Exhibit 11.) The recipe for success is the same, although specific action plans to address each factor will vary with company context. The implications are important: don't get bogged down in the details until you are confident that you are configured for success. Delivering a digital transformation effectively is a highly complex undertaking. Ensuring that the leadership understands the difference between configuring for success and delivering the specifics helps simplify the task.

Exhibit 11 - The Six Factors Are Consistent Across Geographies, Industries and Scope



Source: BCG analysis.

Note: Companies in the win zone met or exceeded their target value and achieved sustainable change. Companies in the worry zone created some value but did not meet their targets and achieved only limited long-term change.

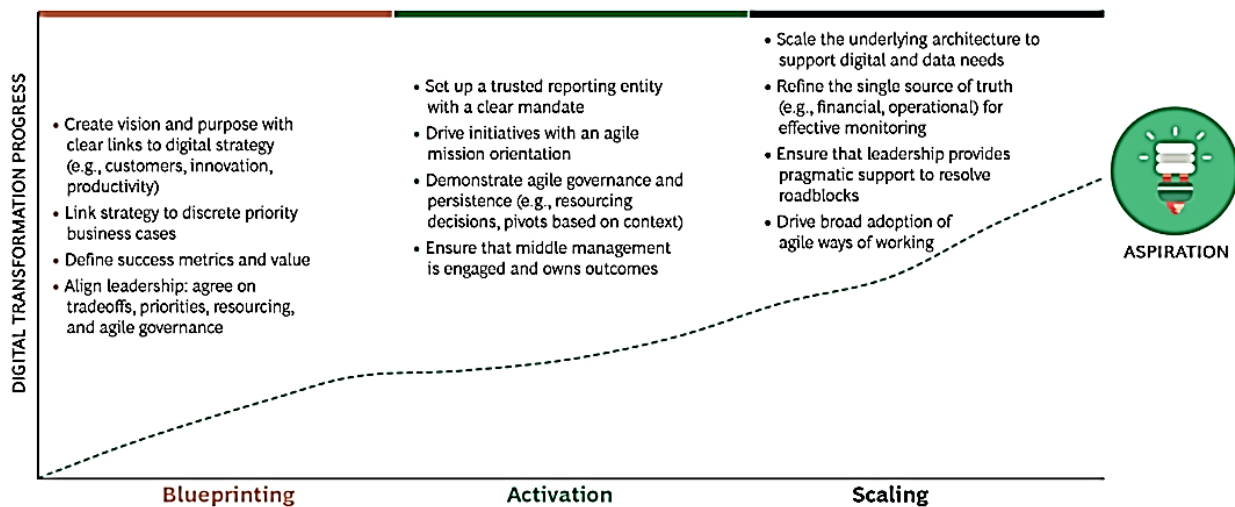
¹The success score is calculated on the basis of the percentage of predetermined targets met and value created, the percentage of targets met and value created on time, the success relative to other transformations, and the success relative to management's aspirations for sustainable change.

ADAPT AS YOU PROCEED

Few organizations have the luxury to develop their digital transformation plans from scratch, with no constraints. In reality, there are often digital initiatives underway, perhaps with subcritical mass, as well as pressing business issues that require short-term delivery. And few executive teams start out fully aligned on the digital agenda. So, when the decision is made to launch the transformation, the six success factors are usually not in place.

It is neither practical nor desirable to delay until each factor has been effectively addressed. Instead, the critical issue is to be aware of the shortcomings for each factor and to put in place a plan to address them. Winners learn to adapt as they proceed. They identify where they are not configured for success and develop solutions to improve their scores as they move forward (much as fully bionic companies do). Exhibit 12 shows an example of this.

Exhibit 12 - Companies Should Configure for Success at the Outset and Continuously Improve During the Transformation



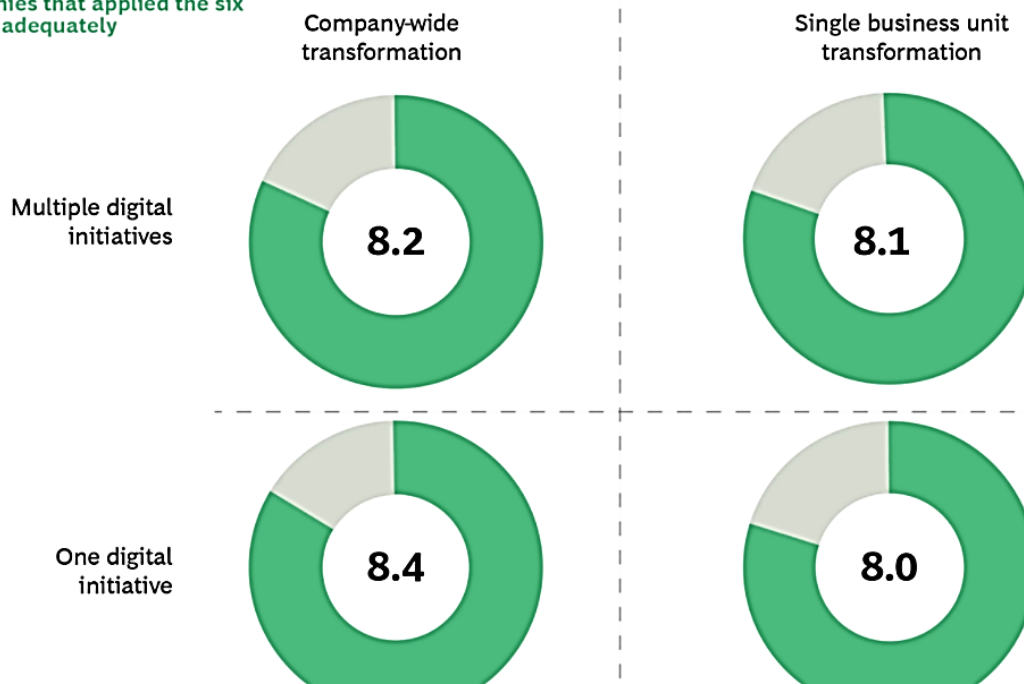
Source: BCG analysis.

GO BIG, GO BOLD

Our research shows that the same six success factors work in the same combination for all transformations, whether the scope is narrow or broad. There is a statistically insignificant difference in success between transformations with a single digital initiative (say, customer journeys) and those with multiple initiatives (for example, customer journeys, data and analytics, and technology replacement). (See Exhibit 13.) Similarly, there is no difference in success between digital transformations involving just one business unit and those that are company-wide. We also found no correlation between the quantity of resources devoted to the transformation program and the outcome: the 60% of the companies in the worry and woe categories expended a similar or commensurate level of resources as the winners—but for substantially less benefit.

Exhibit 13 - The Six Success Factors Are Equally Applicable for All Digital Transformations, Regardless of Scope +

Average success score for companies that applied the six factors adequately



Source: BCG analysis.

Note: The success score is based on the percentage of the target value met, the percentage of targets met on time, and the perceived relative success for the digital transformations; the scale is 1 to 10.

Given that the executive attention, costs, and elapsed time can often be similar for narrow and broad transformations, the implications of this finding should not be overlooked: companies should take the time to configure for success, and then go big with an aggressive scope and bold aspiration.

CREATE SUCCESSFUL LIGHTHOUSES ON THE PATH TO SCALING

Even with a bold, company-wide aspiration, however, companies should focus and prioritize their efforts. Transformations that successfully scale up often start by picking one or two major use cases or “lighthouse” opportunities, building a minimum viable solution, and testing and iterating until that solution works in the market and can be scaled. The company then moves to another use case or deploys the initial use case in a second country or business, and works backward to solve for the platforms, infrastructure, and support required to scale up the solutions. This is radically different from assuming that if you build the platform, the businesses will figure out how to get value from it.

GO BEYOND DONE

Success in business is transitory. Companies need to continue proving themselves to investors and other stakeholders quarter after quarter, year after year; and for [every starting point, there is a value-creating road forward](#). Digital transformations are no different. The point at which success is declared (for example, the organization has transitioned to agile ways of working, or the last workload has shifted to the cloud, or customers have migrated to the new stack), is actually a beginning rather than an end. The success of the digital transformation is the start of a fresh chapter for the business as it learns how to leverage the new capabilities and to drive continuous innovation in new digital technologies, such as AI, augmented reality and mixed reality, and edge computing. Companies that succeed in industrializing continuous innovation as part of their new operating models have become bionic. They will never have to do another transformation program because the digital capabilities and mindset become part of their new way of working.

KNOW WHETHER YOU ARE SUCCEEDING

One of the hardest questions—and one frequently asked by boards—is, “Is the transformation on track? What are the risks of spending all this time and effort and failing to achieve our objectives?”

We can provide both a quantitative and a qualitative answer on the basis of our research.

First, you can periodically score your transformation against the six success factors and adjust your action plan to close the gaps. One company is using the success factor framework to assess how well configured they are for the success of a technology stack replacement and agile operating-model transformation. Its initial score placed it in the worry zone, but the leadership team adopted a clear action plan to address this, and subsequent reevaluation showed progress toward the win zone.

Second, some threshold behaviors can provide good indications of whether the transformation program has critical momentum. An assessment of these behaviors will almost inevitably be negative at the outset, but many leadership teams nonetheless find it useful to calibrate progress in this way. Threshold behaviors include:

How strong is the business pull for digital solutions versus the program push?

How do the most talented individuals in the organization feel about joining the program? Are they wary of leaving a line role for a temporary position in a program that might fail, or are they excited to join the high-potential team that is shaping the future of the company?

Are executives advocating diverting funding and resources to other initiatives, or are they defending the digitization budget and resourcing?

Which are more common: comments that lower expectations (for example, “the plan benefits were overstated”) or upside observations (such as, “now that we have launched the new digital servicing capability, we can extend the use cases and achieve far more than planned”)?

The best leadership teams regularly step back from the detail to discuss the quantitative and qualitative ways to assess whether the transformation is configured for success.

The costs of failure are high. The rewards of success are great. In all industries, COVID-19 has accelerated the need for companies to transform their digital capabilities. There is no time for incremental outcomes. Putting in place the six success factors makes all the difference.

The authors are grateful to the following colleagues for their assistance with the development of this report: Ali Arsiwalla, Ramendra Awasthi, Tauseef Charanya, Olivier Laugeray Cleaver, Rano Diehm, Suzanne DSilva, Akshaya Mahesh, Tanya Mondal, and Albert Ngan. They also thank the members of the project’s steering committee: François Cadelon, Kurt Hogan, Amanda Luther, Kelly Nelson, and Michael Rüßmann.

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23.2.7 How BCG Helps Transform Public Sector Organizations⁶¹

Note: Key extracts: "...BCG's public sector consultants support governments around the world by bringing together our insights and capabilities from the private sector and decades of experience supporting public sector clients. We've completed more than 1,000 projects in the public sector over the past five years. Transforming complex public sector organizations to respond to today's challenges starts with defining a bold vision for large-scale change along with a set of projects and initiatives—carried out over a sustained period—to achieve that outcome. This transformation often involves becoming more digital, agile, and responsive to the public while attracting and retaining the right talent and managing budgets...We approach public sector digital strategy and implementation with a wide lens. Embracing new technologies, such as AI and blockchain, is only part of the story. Real digital transformation also requires changes to organizational structures, capabilities, governance, work processes, and culture. BCG's Center for Digital Government helps make digital transformation in the public sector—and better experiences and outcomes for citizens—a reality..."

BCG's public sector consultants support governments around the world by bringing together our insights and capabilities from the private sector and decades of experience supporting public sector clients. We've completed more than 1,000 projects in the public sector over the past five years.

Transforming complex public sector organizations to respond to today's challenges starts with defining a bold vision for large-scale change along with a set of projects and initiatives—carried out over a sustained period—to achieve that outcome. This transformation often involves becoming more digital, agile, and responsive to the public while attracting and retaining the right talent and managing budgets.

Large-Scale Transformation

Building on BCG's transformation framework, our public sector transformations place special emphasis on ensuring organizations have the right delivery models to achieve their vision, along with the buy-in of stakeholders and the mechanisms and communication strategies necessary to maintain support throughout the transformation journey.

Supporting Expertise and Offerings

Mastering Transformation in the Public Sector. Transformations are a challenge for any organization to pull off. Several factors combine to make them even more daunting in the public sector. BCG's Three Peaks framework guides public sector organizations through every phase of an end-to-end transformation.

Digital

We approach public sector digital strategy and implementation with a wide lens. Embracing new technologies, such as AI and blockchain, is only part of the story. Real digital transformation also requires changes to organizational structures, capabilities, governance, work processes, and culture. BCG's Center for Digital Government helps make digital transformation in the public sector—and better experiences and outcomes for citizens—a reality.

Supporting Expertise and Offerings

Digital Acceleration Index for Governments and Public Sector. The Digital Acceleration Index (DAI), BCG's comprehensive benchmarking tool, assesses a government's or a country's digital maturity and identifies opportunities to accelerate the digital transformation journey.

People and Organization

⁶¹ <https://www.bcg.com/industries/public-sector/overview>

A government's existing talent base is one of its greatest assets. Equally important is the need to attract and retain talent that has skills for the digital age. BCG works with public sector clients to develop world-class people and organizational capabilities by building agile organizations, supporting leadership development, managing change, and undertaking HR transformations.

Supporting Expertise and Offerings

Smart Simplicity in the Public Sector. BCG's Smart Simplicity approach helps simplify organizations, taking a systematic view of the challenges that go along with complicatedness and creating norms that promote the behaviors that will help an organization achieve its mission.

Cost, Operations, and Procurement

We help public sector institutions at all levels—federal, state, and local—do more with less by designing cost and productivity optimization plans, streamlining or creating new processes to manage costs, delivering higher productivity and quality through lean approaches, and professionalizing the procurement function.

Supporting Expertise and Offerings

Achieving Cost Transparency. Heightened expectations around fiscal responsibility are dialing up the pressure on governments to make more-informed decisions when it comes to costs. BCG has developed a four-step approach that facilitates better budgetary decisions by rapidly uncovering cost insights.

Optimizing Government Procurement. When used in conjunction with conventional procurement approaches, market-informed design and sourcing (MIDAS) can help improve public sector procurement, generating greater financial and nonfinancial value.

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MEET MORE OF OUR PUBLIC SECTOR EXPERTS

Our Public Sector Consulting Work with Clients

We are invested in understanding how our work, and the work of our government clients, delivers positive impact to citizens. It's one of the reasons why we founded, and continue to support, the independent [Center for Public Impact](#). We're also focused, of course, on the impact we've helped generate with our clients. Examples include:



Becoming a Public Sector Powerhouse

BCG partnered with a government agency to increase the efficiency of its business processes.

[Learn how enabled leaders can drive change](#)

Adapting a Public Sector Agency to New Challenges

Continued economic growth and the need to be adaptive and agile in a 21st-century environment led a government treasury agency in Asia to transform its organization and operations for the future. A change framework helped ensure long-term success.

Achieving Cost Transparency for Governments

By applying a commercial lens to a government challenge, BCG has developed a four-step approach to making more informed budgetary decisions by rapidly uncovering cost insights. And all with lower upfront investment, not disrupting the services and processes that employees and citizens depend on.

[How Governments Can Galvanize Their Nations for the Rebound](#)

Governments must start planning for a post-COVID-19 world that brings bigger benefits to more of society and business. Three priorities stand out.

[Governments Can Navigate Uncertainty to Emerge Stronger](#)

Economic crises often come without warning. But governments can use these events as opportunities to advance long-term goals and bolster competitiveness.

[How to Start Building the Government of the Future](#)

Governments need new structures that are suited to today's world, but implementing a dramatic overhaul is tough. Here's how public sector leaders can get started.

23.2.8 How to Start Building the Government of the Future

DECEMBER 13, 2019 By [Christopher Daniel](#), [Leila Hoteit](#), [Joerg Hildebrandt](#), [Martin Manetti](#), and [Vincent Chin](#)

It's no secret that many current government structures are **ill-suited to the modern world**. What may be surprising is that many governments acknowledge an overhaul is overdue. But it's easier said than done.

Boston Consulting Group outlined a new blueprint for government to help leaders meet the challenge. Two of the recommended **paradigm shifts**—creating priority clusters around critical citizen needs and adopting a single face of government—call for revamping government structures. But how do leaders implement an overhaul? How do they get from here to there?

Leaders can use periodic, smaller-scale restructurings to spur a gradual, sustained shift.

As many government leaders are well aware of, a radical big-bang transformation is rarely feasible. But leaders can use their periodic, smaller-scale restructurings to spur a gradual, sustained shift toward a government that is built around priority clusters and that presents a single face of government. In doing so, they will build organizations that are better suited to a world with increasing complexity, rapid technology advances, and rising citizen expectations.

SHIFTING TO PRIORITY CLUSTERS

Priority clusters bring together the entities or departments that have a role in supporting the same citizen need or priority. In the future, for example, people will likely have multiple careers, which will require lifelong learning. To address such employment changes and enable a good outcome for citizens and the country, a government could consider bringing the education and labor departments together under one human capital cluster.

Governments can use their periodic restructurings to create priority clusters by taking four steps.

Identify key topics for priority clusters. A government should analyze the megatrends, demographic patterns, and other forces that will significantly impact the country and the lives of its citizens in the years ahead. The results of that analysis will help the government identify the topics that will need to be addressed comprehensively and holistically in order for it to sustain the well-being of its citizens.

Most countries, for example, are confronting at least one of two significant workforce-related challenges: an aging population and the rapid obsolescence of worker skills in the face of constant technological change. Both trends make it critical for people to regularly develop new skills and expertise to continue working. A government that identifies such a link may want to create the human capital cluster described above.

Determine which entities fit in each priority cluster. A government should examine its long list of entities and figure out which ones could potentially be part of each priority cluster. This determination should not be based on what makes sense for government bureaucracy, but rather on what makes sense for citizens and society as a whole.

Consider a government entity with a mandate for advancing the development of professional and amateur sports. In theory, the entity could be part of a cluster focused on the nation's youth, given the high participation rates of young people in sports. The entity could also be part of a cluster focused on health, in light of the effect that exercise has on reducing disease and improving well-being.

Ultimately, the government should make decisions about the composition of new clusters by assessing how various entities can best help address the most pressing citizen needs. Deciding where the sports entity fits best, for example, could depend on whether it is more pressing to increase youth participation in sports or to use sports as a way to address the nation's health challenges.

The composition of new clusters should be determined by assessing how various entities address the most pressing citizen needs.

It is important to note that placing an entity in a cluster does not preclude linking the entity to departments outside that cluster. If the government places the sports entity under a health cluster, this does not mean that the connection between sports and the nation's youth must be lost. The sports entity could have KPIs linked to supporting youth participation in sports—but that would be a secondary priority, compared with the overall focus on health.

Evaluate whether the services and activities of each entity are a necessary government function. For every entity, the government should step back and evaluate whether it is responsible for providing the entity's services. If the central government is not required by law to provide the services directly, perhaps a regional government can take over the responsibility. Or, if the government finds it can privatize an operation, it may want to consider spinning the entity off as a private- or social-sector organization that can manage the mission and delivery of services.

Find the right approach for creating the cluster. For those entities that are both necessary and suited to a cluster, the government must figure out the right way to integrate them. The best approach will depend on a number of factors, including the strategic importance of each entity, the associated legal requirements (such as mandates that an entity be a standalone organization), and whether each entity is at scale.

The issue of scale is particularly important. The optimal size of an entity—in terms of the number of full-time equivalents and budget—can vary by country. But there are a couple of common yardsticks used to determine whether entities are at scale or not. Some countries, for example, define the smallest 20% of entities as subscale. Others label the 20% of entities that employ 80% of the government staff as being at scale, with the remainder being subscale.

Regardless of how a government defines what constitutes being at scale, it should tailor its integration approach to the specifics of the entities involved. In cases where a subscale entity is suited to a priority cluster, for example, the government may want to consider folding that entity into a larger department to make it part of the new cluster. But if the government wants to create a priority cluster with two entities that are at scale, it may want to stop short of merging them outright to avoid creating an organization that is too large and difficult to manage. Instead, it may make sense to create a number of topic-specific committees with representatives from each entity to facilitate cooperation. Alternatively, if greater integration is required, the government may opt to form a joint board that manages both entities or combine both entities under one operating budget.

A government should tailor its integration approach to the entities involved.

Most governments that undertake this restructuring create one priority cluster at a time, in part to avoid creating too much disruption at once.

ADOPTING A SINGLE FACE OF GOVERNMENT

Just as the structure of a government should reflect the needs and priorities of its citizens, so, too, should the ways in which services are delivered. This means moving from providing services through a plethora of separate departments, agencies, and ministries toward a more integrated system—what is known as a single face of government.

The shift to a single face of government does not, however, necessarily mean centralizing everything—all data processes, citizen interactions, and the like. Rather, governments have options when deciding how much they will integrate the front end (the channels through which a government interacts with its citizens) and the back end (the systems and processes for delivering services). We've identified three options:

The shift to a single face of government does not necessarily mean centralizing everything.

The Integration of Customer-Facing Activities. Using this approach, a government provides access to public services by integrating all front-end channels, including its web portal, call centers, and physical offices. The back-end systems and processes for delivering services are left largely unchanged.

End-to-End Integration Within Priority Clusters. Using this approach, a government integrates the front end and the back end, respectively, for specific priority clusters.

The Creation of a Single End-to-End Provider for All Services. This is the most ambitious approach, with the front-end channels and back-end systems and processes for all government services being brought together under one entity.

To determine which approach is best, governments need to analyze each option, assessing its costs (which stem in part from the number of entities involved, the complexity of those entities, and the implementation effort required) and its benefits (which are reflected in cost savings and higher citizen satisfaction). The following are among the factors to consider when performing this analysis:

Volume of Transactions. Larger transaction volumes tend to yield larger cost savings—but also greater complexity.

Similarity of Services. When multiple government entities offer similar services, there is often a good opportunity to embrace end-to-end integration, because both the front and back ends will likely be similar for those entities.

Population Served. In general, countries with small populations (and therefore a relatively small network of service centers) face less complexity in integrating systems than countries with large populations.

Use of Electronic IDs. Such systems allow countries to expand their online, self-service offerings—and ultimately create a valuable tool for moving toward more ambitious integration.

Although these factors are important, there is no simple formula for determining the right approach. A country with a large population, for example, may stand to reap the greatest savings from a single end-to-end system, but the complexity of such an undertaking may make that very difficult to execute. Meanwhile, a country with a small population may know it would be relatively easy to build a single end-to-end system, but the cost savings may be small. As a result, both might reasonably opt for the middle-of-the-road approach that integrates the front and back ends only for specific priority clusters.

If government leaders were starting with a blank piece of paper today, few would build the structures that are in place currently. Of course, virtually no one in government has the luxury of working with a blank slate. What leaders can do, however, is use their periodic reviews and small-scale restructurings to begin implementing a new blueprint. Such restructurings are executed on a regular basis, of course, because governments are better at launching new departments and initiatives than they are at shuttering or terminating entities that have outlived their usefulness. These restructurings can also provide the perfect opportunities for beginning the critical evolution of government structures that is required to meet the challenges ahead.

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Patrick Forth is the global leader of Boston Consulting Group's Technology, Media & Telecommunications practice and a member of the Corporate Development, Strategy, and Operations practices.

Since joining BCG in 1987, Patrick has held a number of leadership roles, including head of BCG's operations in Australia and New Zealand for five years. He led the Asia-Pacific TMT business for five years and also opened and led BCG's office in Singapore. He currently serves on the board of BCG's Digital Ventures group.

Patrick's client work has focused on advising senior executives around the globe in the technology, media, and telecommunications industry on issues of leadership, strategy and direction, mergers and acquisitions, growth, transformational and operational improvement, and digital and productivity.

Patrick also led the European presence for **iFormation Group, a BCG, Goldman Sachs, and General Atlantic Partners** partnership that is focused on making technology investments alongside leading companies.

23.2.9 Government taps BCG for strategic review of Australia Post⁶²

16 December 2019 Consultancy.com.au

The review comes shortly after the installation of a new Chair at the postal organisation, after former Chair of the Board **John Stanhope** – not to be confused with the former ACT chief minister Jon Stanhope – stepped down following the conclusion of his second term on 21 November 2019.



Stanhope led Australia Post from 2012 onwards, guiding the postal service through a significant period of disruption in its core business. When he started his role, Australia Post was still a traditional postal service, fast forward to today and the organisation is much more of a **diversified e-commerce and digital enterprise**.

“Stanhope has overseen the delivery of several significant milestones in driving innovation, efficiency and embracing **new technologies across Australia Post**. This included improving the letters service amid declining letter volumes, and the **acquisition of Star Track Express** which boosted Australia Post’s parcel delivery capability, and maintaining profitability,” said a spokesperson of the government.

Currently heading the Board for a term of three years is **Lucio Di Bartolomeo**, who brings over 40 years’ experience in the transport industry to the table. During his long career in business, he was among others the Managing Director of **ADI**, **Country Director of Thales Australia** and **Managing Director of FreightCorp**.

Di Bartolomeo and the Board of Director he leads is tasked with overseeing Australia Post’s Corporate Plan 2023, and is working alongside the Executive Leadership team including **CEO Christine Holgate**, **CFO Rodney Boys** and **COO Bob Black on preparing the company for the future**.

Supporting the leaders with their strategic planning process are management consultants from **Boston Consulting Group (BCG)**, who have been brought on board to “conduct a review of Australia Post’s strategy to operate as a sustainable and fit-for-purpose service provider for the longer term,” said the spokesperson.

BCG’s review, which will consider broader market conditions such as growth in e-commerce, the regulatory environment and changes in business and consumer needs, is planned to be completed early next year.

⁶² <https://www.consultancy.com.au/news/1438/government-taps-bcg-for-strategic-review-of-australia-post>
Australia’s government has hired management consulting firm BCG for a strategic review of Australia Post

23.2.10 BCG gets another \$300k pay rise from DTA⁶³

Denham Sadler

Senior Reporter

2 September 2020

Share

The Digital Transformation Agency has handed **Boston Consulting Group a further \$300,000** for six weeks' work on helping design government tech investment policy and governance.

The global consultancy firm was awarded a \$273,600 contract in July to provide "whole-of-Australian-government ICT policy and governance", originally running until 21 August.

This contract has now been extended until 2 October, with the value doubled to \$547,200. That means Boston Consulting Group (BCG) is receiving a further \$273,600 for another six weeks' work on the project.

Randall Brugeaud: The Digital Transformation Agency chief executive officer

"The extension is to support DTA to develop options for investment models that support development and sustainment of shared capabilities," a DTA spokesperson told *InnovationAus*.

BCG has now landed more than \$1.5 million worth of contracts with the DTA in 2020 alone. It worked closely on the development of the COVIDSafe app and received more than \$800,000, and also recently landed a \$396,000 contract to provide "critical advice, products and services using a taskforce model to improve digital services for government".

Prior to this year, BCG had only ever won a single contract with the DTA, worth \$110,000.

DTA chief executive Randall Brugeaud is an ex-BCG executive, working at the firm from 2008 to 2010, while the DTA's former chief strategy officer Anthony Vlastic left the agency in February to join the consulting firm.

The latest \$273,000 six-week contract extension will see BCG continue its work helping the DTA develop options and strategies for whole-of-government ICT and digital governance and investment policy reform. This includes a review of current arrangements and a roadmap for future policy and governance.

⁶³ <https://www.innovationaus.com/bcg-gets-another-300k-pay-rise-from-dta/>

“The project will identify policy opportunities to optimise **funding arrangements** for digital and ICT investments – to better support development and sustainment of shared capabilities, and more flexible approaches to resourcing for **agile** delivery,” the relevant listing on the **Digital Marketplace** said.

“In addition, it will consider models and processes for good whole-of-government digital and ICT decision-making, to ensure robust governance of performance risk strategic alignment architecture, investment planning, stakeholder engagement, etc.”

BCG is a prolific federal government contract, **working regularly with the Department of Home Affairs**. The company provided **advice on the federal government’s doomed visa processing system** revamp, receiving \$40 million for its work before the Coalition decided to **scrap** the project.

The firm has also been **embroiled in an academic freedom controversy** recently at the Australian National University, after it was revealed a university academic had been **removed** from a panel discussion on COVIDSafe which also featured a representative from **Boston Consulting Group**.

ANU has said the decision was made by the university without any pressure from outside parties, although the representative from **BCG was consulted about the decision before it was made**, and concerns were made about the potential **line of questioning** during the discussion.

24.0 WARNINGS OF EMF AND 5G

24.1 Stop the Crime of Depopulation by Deborah Tavaras

Note: There is a audio of this in the Attachments called 0622202 the Power Hour Deborah Tevaras. Deborah was like everyone else didn't believe in conspiracy theories until her daughter did some research and proved to her there was an agenda going on. Deborah then did her own research and is a very clear and articulate speaker informing the public about the reality of the Agenda 21 now Agenda 2030 which envisages depopulation of the world. It is diabolical without a doubt but the reality is we are living in a world of pathological capitalism that has no boundary or empathy for the public. The attack the public are under has been set up, it is considered a silent war where no-one can call for help. It is poisoning us, it is using COVID-19 as a psychological operation to control our behaviours and they are targeting those speaking up. The global elite are behind this plan as had been detailed in this research. The foods and soft drinks have aborted fetal tissue which causes changes to DNA and affects mental health. Information is empowerment and it is better to know then not know. So like many of the other speakers in this research the information is critical for our survival.

Stop the Crime of Genocide: Agenda 21 Hell on Earth





Deborah Tavaras: On page 15 it says earth cannot sustain larger populations of wealthier individuals. This should mortify all of you listening. North America and Europe are listed as wealthier populated areas. They are saying that fertility reductions are not enough there needs to be greater efforts towards reducing the global population.

Shaun: I had her on a couple of weeks ago the demand for Deborah is so strong people want her back. The plot against humanity thickens it is a genocidal plot.

DT: thanks so much Shaun, I can direct people to stopthecrime.net. What you will hear being covered is diabolical you can download these documents from the very top of stopthecrime.net. We gave them top billing on our website. Subscribe to stopthecrime.net or go to the Youtube channel. We are posting constantly about these programs you are going to hear us discuss in just a moment.

Shaun: I want to start with a clip I put in my microdocumentary 'red alert the enemy is inside the gates' realised in February 24th, it features a clip from whether underground infiltrator Larry Grothwall, I am sure you are well remember it was Bill Ayres who was a member of the weather underground whilst he was a member in 1970s they bombed the NY police department, Pentagon, US Congress building, these people were part of a terrorist organisation, according to **Larry Grothwall** that wanted to eliminate 25 million people that couldn't be indoctrinated or "re-educated or indoctrinated into the new way of communist thinking" and thank god we beat those people. I will play this clip. They are still out there they still want to do away with many of us.



*They also believe that their immediate responsibility to protect against what they call the **counter revolution**. They felt that this counter revolution could be best be guarded against by creating and **establishing re-education centres in the south west** we would take all the people who needed to be re-educated into the new way of thinking and teach them how things were going to be. I asked what is going to happen to those who can't be re-educated that are die hard capitalist? The reply was they would have to be eliminated. When I pursued this further they would have to **eliminate 25 million people in these re-education centers**. When I say eliminate I mean kill 25 million people.*

Shaun: So folks I wanted to play that for you, the enemies of humanity, would think nothing. What has happened throughout history they round up and kill them. The peace we have seen in the last century is the exception to the rule.

DT: That is right Shaun, what we have heard being said right now is outdated information, we have leaped ahead with technologies. Now we have frequency systems being deployed in our cities with 5G. we will get into discussion in a few minutes. I want to get everyone to understand it is vital, you must understand this. I will be reading out of America's Last Minute Man, James Traficant kept saying when he was the governor (blank) it was in the congressional record. I will read this

It is an established fact that the United States (blank) has been dissolved by the Emergency Banking Act of March 9, 1933. It goes onto Statutory 1 Public Law declared by President Roosevelt being bankrupt and insolvent. The 73rd congress joint resolution to suspend the gold standard and abrogate the gold clause dissolved the sovereign authority of the United States and the official capacities of all governmental officers and department and it is further evidence that the united states federal government exists in name only. The receivers of the bankruptcy were the International Bankers via the United Nations, the World Bank and the International Monetary fund. All united states offices, official and departments are now operating in a defacto status in name only under the emergency war powers. The US federal government only exists in name only.

What is extremely important to understand as we go through some of these policies, now all of us have been identified as the enemy. What do I mean by that? I will read to you part of senate report **93549** the Emergency Powers Statutes on 1973:

In order to maintain dictatorial control and authorisation of the many divisions, agencies of the executive branch the siting President must formally declare a National Emergency every year. This has been an on-

going ritual since 1933 according to senate report 93549. Once the emergency is declared the common law is abolished, the constitution is abolished we fall under absolute will of government or public we are under a system of corporate public policy or war powers. All the government needs to do to continue is to have public opinion on their side. If public opinion can be kept in sufficient degrees on the side of the government statutes, laws and regulations and executive orders can continue to be passed. The constitution has had no meaning it was suspended, it has been for over 80 years. We are not under law. Law has been abolished.

Important to understand we are the enemy of the state, which is then going to create the understanding of some of the latest **genocide** programs we are going to be talking about. The federal and state governments are not real they are privately owned corporations calling themselves governments. The judges are privately employed administrators called judges. The law are nothing more than corporate called statues. All laws created by our corporations or government called public law, statues, code and ordinances to conceal the true nature. Americans have been indoctrinated through expert programming, conditioning, prejudiced and patriotism to treat information like this to be ridiculous, absurd and untrue.

It is time to look around and see what is happening. They have eliminated the family farm, the local stores, placed us into cities, given our industry away to break the unions, issued valueless currency, stolen our gold and silver, stolen our paper currency, involved us in staged wars, false flags and massive foreclosures of American homes. Poisoning our air, our water supply and our food.

So we don't have a government we are in a genocidal program. I will be pointing out one of the documents we have come across.

The name of this document is called *Population Engineering and the Fight Against Climate Change*. You can all read this for yourself but I am just going to underscore what it is telling us. It is important to know that this is part of what is going to be implement to reduce our greenhouse emissions which is fraudulent fake science and the authors behind this are authors that not only bioethics departments in Johns Hopkins University and the national institute of health or known as NIH. It important to know implants are being used by this as well. Bioethics department that these authors work for means *a study of ethical issues emerging from advancement in biology and medicine*. They talk about moral discernment as it relates to medical policies. What we need to know is what a couple of these authors have said, They have to fight climate change by reducing the population there are simply too many people there is not enough time to reduce the greenhouse emissions to near zero or below that they are claiming it must be. Remember Zero means no people. Zero is an impossibility.

Another one of the authors quotes this *barren wombs as cure for our climate catastrophe* infertility rates must soar. This population engineering and fight against climate change, tells us that climate change is amongst the most significant moral problems contemporary societies face in terms of its urgency, global expanse and the magnitude of its attending harms. Population plays an important role in determining just how bad climate change will be. They say on page 1 threats posed by climate change justify eliminating people.

On page 2 I found this horrific, this is one of the first documents that I discovered that had any mention of weather warfare, small font in the footnote of page 2. I will read you this footnote.

Along with the standard protocol and repertoire of broader policy efforts to fight climate change which will include reducing consumption, reducing waste, switching to renewable energy sources is why the silence on population reduction. They say even if population engineering or reduction has been largely overlooked in the climate change debate unlike etiological cousin geoengineering. Etiological means good dramatic device which is characterising what is going on. So they are saying this is characterising what is going on which is geoengineering which is weather weapons. Again, in that they say immigration policies are often deployed to grow, shrink or stabilise a national population for economic reasons. So what is happening and we are seeing increases in homelessness in Los Angeles, in California there are over 58,000 homeless people, we are seeing massive migrations in South Africa right now. In Venezuela we are seeing millions and millions of people relocating because of the economic hit men in Venezuela because of the effects of the economy. In South Africa people are fleeing. It was also just voted because the white farmers in South

Africa operate 72% of the farms they are going to take those farms with no remuneration. If it comes to a blood bath to get the white farmers out of south Africa that's what we happen. What we are seeing are the efforts that are discussed in this document again entitled Population engineering and the fight against climate change we are seeing climate refugees all over the world and seeing that here now in the United States.

On page 5 they talk about global greenhouse gas emissions must decline to near zero or less. Now the way they say it on page 5 is confusing that is why most people are missing what is really being said. They tangle us up in words and dates that make it sound that it is so far out that we won't be around in the year 2100 so why do we have to worry if they want greenhouse gases emissions to near zero or less by 2100. Keep in mind they are accelerating this now by reducing the population.

On page 15 it says earth cannot sustain larger populations of wealthier individuals. This should mortify all of you listening right now. North America and Europe are listed as wealthier populated areas and what they are saying of course is wealthier societies use more energy therefore create more greenhouse gas and we must be reduced. Fertility reductions are not enough there needs to be greater efforts to reducing the global population. They are saying that these justifications are justified because of the morality around the need to save the planet.



Shaun: let me jump in and ask you Deborah you bought up to me about these resilient cities program, Rockefeller foundation funded resilient cities program all over the country. I discovered in my city there is a resilient cities program which is all about being responsive to weather catastrophes we know they will engineering.

1 agenda21-hell-on-earth_dvd-3_dvd

Deagal.com

There are 183 countries listed below. View year 2016 listing.

- GDP: Gross Domestic Product (in USD millions)
- Mil. Exp.: Military Expenditures (in USD millions)
- PPP: Power Purchase Parity (in USD)
- \$: U.S. Dollar (USD)

See notes below

Country	Population	GDP	Mil. Exp.	PPP
1 China	1,370,000,000	\$11,390,000	\$148,000	\$15,000
2 India	1,270,000,000	\$2,290,000	\$94,900	\$5,000
3 Russia	142,340,000	\$1,370,000	\$83,600	\$28,000
4 Japan	126,700,000	\$4,730,000	\$44,000	\$30,000
5 Brazil	210,000,000	\$2,012,800	\$10,200	\$11,000

Have you seen that Deagal.com that predicts a decline of population to 60-80 million by 2025. Have you seen that document?



DT: Yes I have I as on the program talking to Dr Bill about that. We were talking about the ghost cities in china and how the plan is to move over 350 million Chinese villages and farmers into the ghost cities that were built years ago. They have just had custodial clean up in these mega cities. They are doing the same thing in the United States. For those who have noticed in Los Angeles, in Beverly Hills in Hollywood they are building monster tower in some instances will house over 5,000 people. Mixed use down below. Largely all of these structures are unoccupied. As a business person ask yourself how could you build something like that and have it unoccupied who is paying for the lack of income and the occupancy rates being what they are. So what we are finding he plans of climate victims or climate refugees will ultimately find their way into these cities.



Now what these cities are thought control cyber cages.

Shaun this is horrific. We are talking about Resilient Cities.



What is happening behind the scenes behind Resilient Cities. I am going to read what is going on in New Orleans right now. All of you need to understand what is happening. New Orleans implemented a CIA backed predictive policing technology. It has already being implemented. In complete secrecy in 2012. Not even the city council members knew about this program.



Palantir has secretly been using **New Orleans to test its predictive policing technology**. We will talk about how this dove tails into the resilient plans that are merging as all of our cities cope with climate disasters. This is how they are merging into existence.

The Palantir program began in 2012 as a partnership between New Orleans police and Palantir technologies. Palantir is a data mining firm founded with seed money from the CIA venture capitalist firm. According to interviews and documents the initiative was essentially a predictive policing program similar to the heat list program which purports to predict which people are likely drivers or victims of violence. Predictive policing technology has been highly controversial. In New Orleans the program escaped public notice. Palantir established itself as a philanthropic relationship with the city and thanks to the **philanthropic status** the mayor of New Orleans who is involved in the **Strong Mayor Model of government** the agreement never passed through public procurement process. I want you to remember Strong Mayor Model of Government this is in your cities, mayors are involved, cities are incorporated, they do not serve you, they are marching forward with FCC policies now to literally create cyber cages. That is why many people are believing that the FEMA camps are not going to be necessary, they are not going to need to re-educate anyone, they are massively reducing millions of over users of too much stuff presumably to reduce greenhouse gases, they are going to be literally cooking our brains. We will talk about that as soon as we finish with the Palantir program.

Police and the Palantir program is data mining it is policing technologies went unobserved in the City of New Orleans. Palantir watches everything you do and predicts what you do next to stop it as of 2013 Palantir client list included CIA, FBI, NSA, **the Center for Disease Control (CDC) which is a corporations and advocates vaccinations**. I am just telling you that. *(written Prior to COVID-19)* The marine corps, the airforce, special operations command, West Point (military training) and the Internal Revenue Service (IRS) and 50% of its business is in the public sector. In-Q-tel the CIA venture arm was an early investor. What we need to understand is that these technologies have been rolled out and are planned for your town. Now let's talk about how resiliency plays out and what you hear about new infrastructure.

When we hear infrastructure we think of road, water enhancement whatever you think of infrastructure you would never think that they would be using frequency as an infrastructure to literally create the thought control, cyber cages that we are being placed in for predictive programming, thought control, literally jamming our immune systems and our cellular makeup so we cannot survive. They go onto tell us about New Orleans as an exemplar of resiliency. They say if any city has shown the ability to rebound New Orleans. New Orleans has taken a pummelling from fires, to yellow fever, to hurricanes, to the army corps of engineers faulty levies and difficult to imagine 80% of the city under water after Hurricane Katrina and the levy breaches in 2005 how New Orleans could survive much less thrive. The reverse of the pummelling with the weather weapons they are saying cities are thriving they are not these are mausoleums for all of us. This is how we are going to be exterminated. It goes on to tell us that new Orleans was picked by the Rockefeller foundation to be among the first of 33 cities in the resilient cities sentinel challenge. Being a resilient city will put the city in a strong position. Rockefeller foundation president Judith Roden said "New Orleans is now part of a global network of urban areas focused on building resiliency to share best practices and lead by example.... Her foundation has committed more than a 100 million to the global effort, this is just so far. As part of the resilient cities network will get help for staffing, technical support and other resources plan for strengthening the cities infrastructure. The Clinton global initiative gathered some of the project partners not only includes Palantir technologies but also the American Institute of Architects and architect for humanity in new York. The Rockefeller foundation will use data to help cities to identify risks, look for ways to use technology and improve infrastructure. Palantir is using its expertise to develop a resilient dashboard for cities to improve their strategic planning and decide on smartest capital investments. New Orleans was the first to have access to Palantir's dashboard and will help refine it for other cities.

Let's talk about what we see right now happening in northern California, San Diego and lake Tahoe and other States across the United States have these plans as well. Because of the fires they want to implement an early warning system they are going to put in dozens and **dozens of cameras and have the viewing range of 150 miles each**, they will be operated with infrared they will be 24/7 365 and all the data will be stored through **Google** on the cloud. They are selling this to us as an **Advanced Fire Warning**. Of course we know they are using **weather weapons and directed energy weapons to create the fires** we are experiencing in California and weather weapons you are experiencing elsewhere in the country. They are going to put cameras everywhere. Look at our latest Youtube it is called Plan to burn up northern California **exposed**. Important to type in word *exposed* we have many of those plans we have talked about and this is as a result after having attended this meeting in California last week. It is extremely important to understand what is headed for you. We have **Rockefeller Resilient Cities** as a Youtube and it is just diabolical what we are seeing right now. We have the thought police coming in as part of Resilient Cities and expanding globally. These are the entrapments these are (blank) so concerned about over the years. This is what we are now seeing. Total mind control and total elimination of the ability of self will. We talked about that in the Cooking of Humanity when we interviewed Barry Trower. Very important to understand what we are going to see as we continue down this road of frequency killing of us. Here are some of the symptoms.

We have **Rockefeller's Resilient Cities** as a YouTube. It is diabolical.

We have the thought police coming in as part of the resilient cities, expanding globally. These are entrapments what we are so concerned about over the years. This is what we are now seeing. **Total mind control, total elimination and ability of self will**. Interview with Barry Trower "*Cooking of Humanity*" (YouTube). Continue down the road of frequency killing

Symptoms:

- *irregular heart beat rhythms*
- *sleep pattern interruptions*
- *paranoia*
- *hallucinations*
- *insomnia*
- *illusions*
- *drowsy absence of feelings*
- *depression*
- *suicidal feelings*
- *visual distortions*
- *confusion*
- *people can't relax*
- *generally unwell and unhappy*
- *anger*
- *manic behaviour*
- *problems with movement*
- *flashes*
- *loss of appetite*
- *small seizures*
- *disturbed orientation*
- *auditory problems*
- *visual hallucinations*
- *inability to make decisions (control mind)*
- *sensory problems sight, touch, sound*
- *confusions*
- *flickering*
- *flashing lights*
- *dizziness*
- *mania*
- *hyper-tensity*
- *jamming our cells*

Federal Communications Commission (FCC) is behind the rollout of 5G, it is a corporation, it is only interested in money and elimination of people, we are the enemy, it is obvious

Laws and regulations called statutes affect and control every part of us, being deceptively occurring over many decades as we talked about

We have been sadly propagandised, to the point where we don't understand what's real

Media doesn't even report the correct weather, because it is all controlled, we know that

Incarceration intunement of frequencies it is a silent weapons system

In the Cooking of Humanity YouTube we are talking about a document we discovered on the Whitehouse.gov website some years ago. Talks about psychotronic weapons and bandwidth just what is being discussed by the 5G

Part 2 – 5G and Frequency Warfare

(interviewer) Clouded thinking and irregular heartbeats and what this technology is going to cause on purpose, they are going to give us electronic lobotomies, the depopulation does appear to be at hand, I know this is scary information hopefully at the end of part 2 we will come up with a bit of good news, perhaps we can stop these peoples, this entire agenda would have been fast passed had Hillary Clinton been in the Whitehouse.

Important to understand what the 5G is doing and what they say it is doing.



We are told in the IEEE **Beam Forming** document cooked your eyes like eggs in World War II

You need to understand these are military weapons, these are assault frequencies, if you know nothing more than that this is what you need to know.

Microwave radiation warfare is what this is.

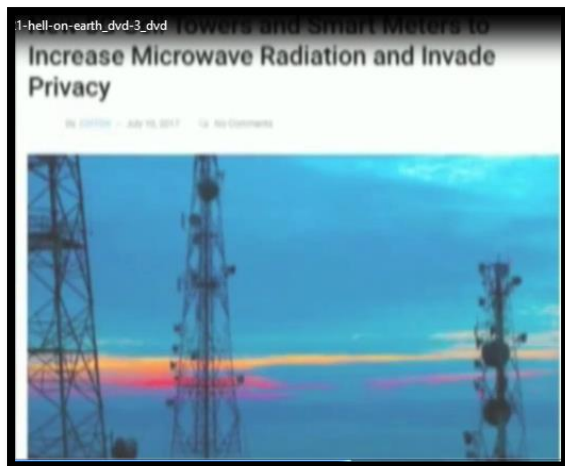
Everyone who is listening you must engage whilst your minds are able to, we are literally at a point where we will not be able to engage, we will not have control over our bodies or minds, this is cyborg reality now within our cities

We will talk about 5G

Going to read this:

Emergence of a planet wide electronic communications grid connecting the thoughts and feelings of billions of people and linking them to rapidly expanding volumes of data, to fast growing webs of sensors being embedded by millions throughout the world. To increasingly intelligent devices, robots and thinking machines, the smartest of which exceeds the capability of all of us, in performing a growing list of discrete mental asks, now already surpassing humans in manifestations of intelligence that we as humans have always assumed would remain the unique province of our species. Sadly that is no longer the case.

We are going to get into the 5G, nothing short of diabolical.



Recommend go to the top of www.stopthecrime.net the home page, find the opportunity to **download the symptom list for frequencies.**

Only thing we can do right now is to disengage from all wireless as soon as possible.

Important to understand what the 5G is doing and what they say it is doing. We are told in the IEEE **beam forming document** *cooked your eyes like eggs* in World War II



We need to understand where we are with this and what is happening with the 5G.



(Picture: California is **fighting 50,000 new 5G cell towers linked to cancer risk**. Bills in these states will permit their installation in your backyard).

IEEE: Institute for Electric Electronic Engineers

Read document **"Everything You Need to Know about 5G"**

Military weapons, assault frequencies

Here is what they are telling us and why implementing faster data speeds. Saying mobile users want faster data speeds and more reliable service. Next generation of wireless networks 5G promises to deliver that and more

5G users download a high definition film in under 1 second a task taking 10 minutes on the 4G the wireless engines networks will boost the development of other new technologies autonomous vehicles, virtual reality and the internet of things. We are being eliminated. This is the most important takeaway this conversation is about.

What is interesting in our bills we get with Pacific Gas and Electric, monthly basis, bill inserts, Pacific Gas and Electric utilities are run by Rothschild. They have an explanation about EMF frequencies and whether it causes health problems or not. There is an interesting insert in their paragraph. They tell us that national, international and California laws are unable to define whether the frequencies are safe or not safe and this remains the circumstances of the findings to date. So they are telling us it is still uncertain. They use the word uncertainty. You can download this again at top of stopthecrime.net. likely getting this in your bills. People do not read the inserts. The evil doers are required, code of ethics, they must let us know what they are doing in advance. What else is happening.

The World Health Organisation has identified 5G as an addiction, video gaming is now a addiction and mental disorder, in which drugs are going to be implemented, going to be classified in the International Classification of Diseases, is a publication due out this year. Updated every so many years. It will include gaming disorder as a serious health condition.

They are telling us the 5G is necessary so we can connect to the internet of things. Yet it is addiction, worse than that this is elimination of people.

I'd like you to type in **Palantir and the Orb.**



See a very diabolical photo of **Donald Trump in Saudi Arabia with King Salman and Egyptian President Abdel Fattah el Sissi**. Donald is putting his hands on the crystal ball which represents Palantir or thought crime prediction. The photo was tweeted out by the Saudi Embassy, it had been taken at the **Global Center for Combatting Extremist Ideology** in Riyadh.



It would not have mattered who got into the Whitehouse, or corporate structure, we do not have the elected officials that we think we have. As soon and as quickly as we can discard that propoganda out of our minds the better off we will be to understand how we need to protect ourselves.

Spoke to **Dr Bill Deagal** yesterday and was on his show, he is talking about the creation of a device that will help to be reduce the frequencies we will be hit with. We are going to be slaughtered. Many people are creating devices. Shaun when we talk about solutions, we have the capability and know-how to have certain protections available to us. Many people have found that crystals used properly can deflect frequencies. The crystals used in the radios in WWII was one of the main advantages the United States had, this was the quartz in the radios. Crystals around their properties and in their homes to deflect frequencies that are now escalating.

Look at 5G and why the Wildlands project is being implemented to drive us out of the rural lands, because 5G will not work in the country.



It will be implemented into the cities, it is a dense network of frequencies. They go onto tell us that there is one problem the 5G runs into. Tell us many people are using devices, consuming more data than ever before, their data remains crammed on the same bands of radio frequency spectrum from mobile providers that have always been used in the past, this means less band with slower service and more dropped connections. This is how they are selling this.

Need to literally deploy 100's and 100's of these in our cities. In fact they tell us these small mobile portable miniature base stations of 5G will be deployed every 820 feet apart throughout our cities. There will be thousands, millions of these throughout our cities. They say to prevent our cell signals being dropped the carriers will install millions of these they will form a dense network that act like a relay team receiving signals from other base stations and sending data to users at any location. They go on to tell us this radically different network structure will provide a more targeted and efficient use of the broadband spectrum, having more stations means the frequencies that one station uses can be reused by another station in another area. There is a problem the sheer number of small cells required to build a 5G network and it will be hard to set up in rural areas. Here is what they are telling us the difficulty in the country areas area.

Vegetation prevents the signals from being able to travel and also rain prevents the signals from travelling. Hence, the weather control and the droughts that will not prohibit the signals from travelling, again they want us out of the country. All of these signals penetrate all structures and all living things. This is what is intended with 5G.

In fact Shaun we are having meetings here in Santa Rosa, they are rolling them out here in Northern California and they are saying they are going to start rolling these out in Sacramento in California. These are heading to you too. What we are finding tis that these micro cell towers are putting imaginable watts and frequencies into the environment. It is microwave radiation warfare is what this is. Putting them on our sidewalks. They can't underground the 5G network. This is without any public input or knowledge. Just like the Palantir or thought police implementation in New Orleans. Not even the City Council, who doesn't represent us anyway, not even the City Council was aware of the implementation of the CIA backed predictive policing.

Shaun: I have to jump in you stunned me with the picture of Trump with the magic orb in Saudi Arabia and these are just a couple of recent headlines from the Daily Mail 5 days ago. Palantir has secretly been using Predictive policing in New Orleans Palantir the company that knows too much from New York Daily News 2 days ago. This is as serious as a heart attack. They have privatised their eugenics programs. That is what is going on here.

DB: That is exactly what is going on. We will jump into something else

Literally got this Palantir information from a source, that has now sent it out, we've been putting it across on as many outlets as possible. Go to Stopthecrime.net, download these documents, see for yourself what your cities are leading you into. This is a roll out of genocide.

We are going to be trying to crate public awareness.

I want to jump into one more thing that is diabolical and everyone needs to understand what is happening to our food supply, we know it has been poisoned know the water has been poisoned, the air has been poisoned.

Need to talk about Senomyx. Go to stopthecrime.net and you will find this information. It is startling. Photographs that are disturbing. Importantly, you are not going to want to eat this.

There is a list of companies that are using human foetal cells from aborted babies as a flavour enhancement in our food supply.

Shaun: Pepsi was busted for doing that, using it as a flavour enhancer in their cola.

PepsiCo is one of them, the list is very long

Download the flier on stopthecrime.net so you don't consume

Incites anger and literally rewires our brain as we cannibalise ourselves. Same thing of course that happened with mad cow disease, when grinding up road kill and other cattle and fed to the cattle. We are being our own species. We must know the products that are implementing this.

What Is SENOMYX?

They add it to many beverages and foods . . .

Let's NOT Consume This

NEW! Obama agency rules PepsiCo cannibalizing aborted fetus is "ordinary business"
<http://www.rightlife.org/2012/02/>
<http://www.rightlife.org/>

ABORTED FETUSES THAT ARE STILL ALIVE MUST BE KILLED TO BE USED IN SENOMYX

For Immediate Release:

Obama agency rules PepsiCo cannibalizing aborted fetus is "ordinary business"
 Shareholders will not be allowed to vote on resolution

(Largo, FL) In a shocking decision delivered Feb 29th, 2012, President Obama's Security and Exchange Commission ruled that PepsiCo's use of aborted fetal remains in their research and development agreement with Senomyx to produce flavor enhancers falls under "ordinary business operations".



OTHER PRODUCTS THAT USE SENOMYX ARE:

PEPSICO products include: Pepsi, Mountain Dew and Mt Dew, Aquafina, Juleps Tropicana, Dole, Kofee, Ocean Spray, Lipton Tea, Quaker Oats cereals and granola bars and Frito Lay's chips, Sabritas, Doritos, Tostitos, Chicos, Ruffles, Gatorade, Coffee: Frappuccino, Seattle's Best Coffee

CADBURY ADAMS products, Kraft Foods now include: Chewing Trident, Dentyne, Chocets, Chiclets, Halls lozenges and Cadbury Chocolates, Toblerone, and Marabou, Kool-aid, Clight, Frito, Tang, Jello Gelatin, Planter's Peanuts, Gevalia and Maxwell House Coffee, Nabisco crackers, Oreo cookies, Chips Ahoy! Biscuits, Bran, A1 Steak Sauce, Oscar Mayer meats, Philadelphia Cream Cheese, Cheese White, Ringlets,

Capri Sun drink, Honey Maple Log Cabin, Mayonnaise, Miracle Whip Whipped Cream

Nestle products include: Nescafe Classic Coffee, Decaf, Taster's Choice, Nescafe Gold, Chocolates: Crunch, Baby Ruth, Butterfinger, Aero, Cائل, Kit Kat, Orion, Smarties, Wonka, Drinks: Juicy Juice, Nesquik, Milo, Nestle, Infant Food: Gerber Graduates,

Food: Hot Pockets, Lean Cuisine Frozen Food, Pasta Buitoni, Herbs, Maggi, Steuffer's, Thomy, Cereals: Grit Mills, Cookie Crisp, Fitness, Nesquik, Water: Pure Life, Perrier, S.Pellegrino, Milk: Carnation Coffee Mate, Vitamin: Boost, Nature Junior, Peptamen AF, Resource

Senomyx listed on its website, partners ignored letter from the 'Right for life' group that was organising using humans in the food supply. The right to life lost their bid to do this, during Obama administration. Doesn't matter who was President, we are a corporate structure. Run by the corporation. Pepsico is a massive corporation. During Obama administration, sadly on February 28 2012 the President's Security and Exchange Commission ruled that PepsiCo's use of aborted foetal human tissue remains in their research and development agreement with Senomyx to produce flavour enhancement falls under ordinary business operations.

We are going to talk about a list of products you should not be consuming the products.

- All soft drinks and Pepsi
- All drinks Sera Mist
- All drinks Mountain Dew
- All mug, Root Beer and Pepsi
- Ocean Spray
- Seattle's Best Coffee
- All brands of energy drinks
- Aquasina, water
- Double shots frap chinos
- Gattor-aid
- All products Nestle, coffee creamers, instant soups, cubes, ketchup, sauces, instant noodles
- Bubble gum
- Trident
- Cadbury, candies
- Companies that produce anti-wrinkle creams

We do not have a government, we are literally being fried, cooked by these frequencies. It is like being in a microwave oven.

We need to understand how they are **going to do away with mass populations** in the United States through resilient Cities

The word infrastructure changes after weather weapon assaults. They are deploying cameras all over, plan them in all the States, with infrared to track and monitor our movements in real time, 24/7, 365

Liken this to a deadly video game gone live.

I remember the Situation Room that Hillary Clinton and other's sat in when they watched the horrific murders that were occurring at that time at the embassy. This is what is happening now.

There is a movie called Paint Ball, this is what is happened. We are being wired up, we are being predictively programed, **we are being slaughtered**.

The good news is I suppose you now know you should be detaching yourself from wireless as best possible. Wrap it up in Mylar until you cannot receive a signal. Stay away from your computer LED lights, as long as possible, all computer screens have LED lights are absolutely causing blindness from macular degeneration to other eye diseases, near sightedness we are losing our eyesight as a result of the silent weapons of our lighting.

Went to an ophthalmologist and pulled some fliers from the office, everyone need to understand how technology is being used, the sinister side, we need to **protect our vision**. They are saying the vision loss is representing itself: tired eyes, sensitivity to light, contrast of vision, difficulty seeing at night, discomfoting glare, fatigue, difficulty staying focused, difficulty falling or staying a sleep, migraines, behavioural problems in children, early onset cataracts, risks of **macular degeneration**, increase risks of diabetes, obesity. This is from the lighting alone. The Department of Energy has approved this silent weapons system of lighting throughout our country under the guise of reducing our greenhouse gas emissions.

This is world wide assault of lightening, not just in the United States with the change of our street lights to LED. We have a YouTube up a LED lights silent weapons assault. We ask all of you send this out far and wide, add comments about what you learned about the assault of the lighting alone. **Knowing these things you can make different choices best you can.**

We had a **Health Forum** with a group of people talking about the different things we can do. First become aware of the poisons in our cooking ware. Much of our cookware in the United States is prohibited from other countries. Did you know that? I didn't know that? It is true they use lead and cadmium in glassware we use to eat things in, they use coating in pans get into our foods, use metals into our foods. One of the things I didn't know was cast iron is one of the worst. We are going to have solution information on stopthecrime.net about the kind of cook ware you should get. What you should not be cooking your food in, even if you are spending more money for organic. There is no such thing as organic not with the poisons and toxicity in our water. I will leave you with the best news of all, we have primary water, we are not running out of water. We have access to pure fresh drinking water. Water is a renewable. Go to primarywater.org take a look at the wonders of water. Don't be deceived.

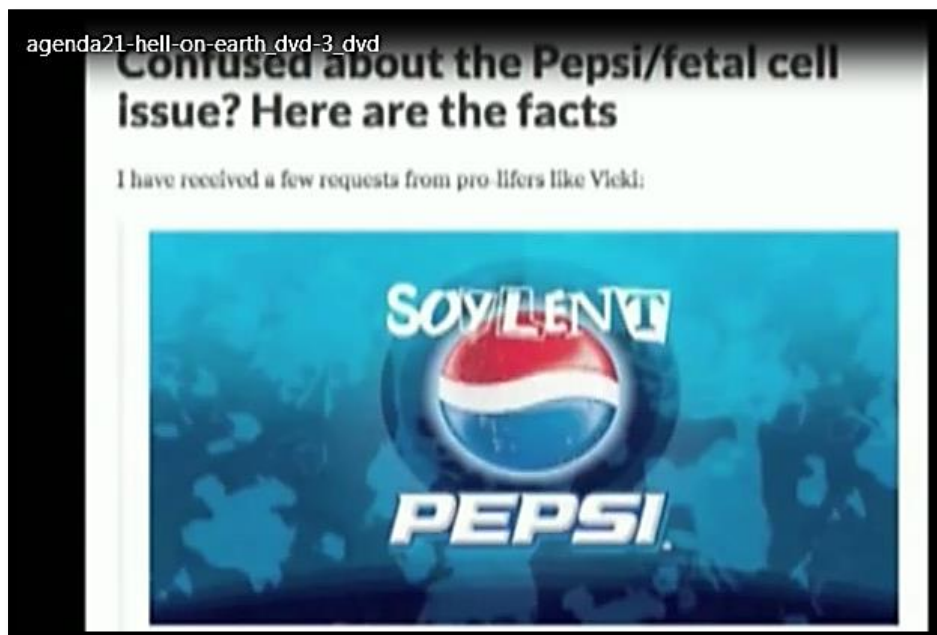
Top of stopthecrime.net. Have a discussion on the creation fossil fuels our petroleum never did come from dead animals or plant material.

We have the genocide treaty which I talk about. Top flanked by the truth about water.

Important need to know.

Our children our being hit with frequencies. Never before have we had increased levels of depression and suicide in our children, it is the onsite of our cell phones.

Listen to the Cooking of Humanity. Thank you.



2012, paragraph 2. There are no aborted foetal cell in Pepsi

Senomyx is a Biotech company. I find the words "final products" interesting.

PepsiCo and Senomyx signed **a \$30million agreement in 2010** for research and development

Senomyx's disputed cell line is **HEK 293**, derived from the kidney cells of an aborted baby.

Bottom line: There are no aborted embryonic or fetal cells in any of PepsiCo's final products.

But: Aborted cells are used in the development of artificial flavor enhancers by biotech company Senomyx, with which PepsiCo signed a four-year, \$30 million agreement in 2010 for research and development. No Pepsi products containing Senonymx flavor enhancers should be expected until 2013.

Senomyx's disputed cell line is HEK-293, derived from the kidney cells of an aborted baby. We could go into the weeds at this point, but Wikipedia offers an easy explanation:

Senomyx develops patented flavor enhancers by using "proprietary taste receptor-based assay systems." These receptors are made from HEK293. HEK stands for Human Embryonic Kidney cells. These cells, which were cloned, originally came from healthy, electively aborted human embryos. Using information from the human genome sequence, Senomyx has identified

Cells were cloned

Originally came from baby embryos, human genome

Changing the DNA by inserting human embryos into human being via foods.

Time to wake up.

Horror show

You have to turn to alternative news media for hardcore truth like you've heard on this broadcast with Deborah Tavaras.

I don't know how we turn this ship around but we sure need to try. The alternative is depopulation.



24.2 5G Warning by Former President Microsoft Canada

Note: 5G is not safe, former President of Microsoft Canada speaks out, notable comments: "...I am especially concerned about our current implementation of 5g wireless technology. The more research I do and the experts I talk to the more concerned I become. There is no doubt there are benefits such as autonomous vehicles and faster download speeds at the same time I think there is potential harm. It important that we understand that 5G is not just an incremental number on cell forms. In fact, over 230 scientists and researchers from 41 countries have around the world have formerly written to the United Nations, member nations and the World Health Organisation expressing their concern over the planned roll out of 5G technology especially for vulnerable population of children, pregnant women and environmentally sensitive. They have been joined by state legislators and federal regulators to ask the FCC to provide evidence that there is no harm from the rollout of 5G technology...5G technology has not been tested I am not aware of a single study that shows 5G technology is safe. 5G gives off radio frequency radiation absorbs in the human body and accumulates in the human body. One segment of 5G technology is millimeter waves are used by the US and Israel in their active denial systems which are used for crowd control. What they do is provide a very painful reaction in the skin organs of the body. We have no idea what the health impacts of that kind of millimeter wave technology is used and we are exposed 24 hours a day 7 days a week.... There is significant proven health effects from wireless technology and devices. These include: heart arrhythmia, infertility, tinnitus, numbness and tingling, diabetes, cancer, permanent DNA damage, insomnia, headaches, fatigue, heart palpitations, anxiety, depression, ADD/ADHD, Autism, mood swings, emotional instability....Most recently in 2018 the National Institute of Health released the findings of a 14 year 25 million dollar study which show clear evidence of harm in terms of cancer and permanent DNA damage. This study several months later was verified by the prestigious Institute Ramazzini out of Italy found the same results"

FCC guidelines are 20 years out of date without any significant improvement. Countries such as China, Russia, Italy and Switzerland have safety guidelines that are 100 times safer for their citizens. The FCC guidelines based on small, short term infrequent exposure, they don't worry about the accumulative effects of multiple device, don't measure and monitor exposure 24 hours a day 7 days a week, have no special consideration for children, pregnant women or those who have shown environmental sensitivities to wireless radiation. In addition to concerns about the guidelines, there is no oversight provided by the FCC, the telecommunications industry is self-policing. So what we are left with a wild west scenario where the regulations and the guidelines are significantly lacking and the industry is left to its own accord with all this technology out to the market place..

The telecommunications Act of 1996 prohibits any telecommunication company to be sued on the basis of the safety and health of their products. There is no liability to the telecommunications industry of any of the impacts of their products...."

Youtube: <https://youtu.be/DIV39-KOzh0>



Frank Clegg spent 40 years in the Tech sector. He says:

"My most recent position is the President of Microsoft Canada. Seen tremendous benefit that technology can provide. Seen potential harm if technology not implemented correctly. I believe our current implementation of wireless technology is not safe. That is why I cofounded Canadians for safe technology and why I joined the business advisory group of the Environmental Health Trust.

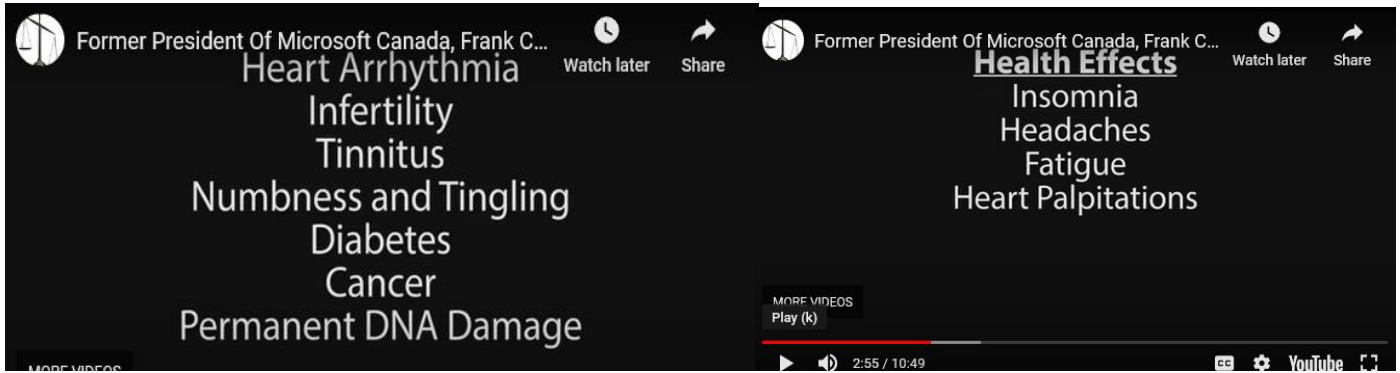
I am especially concerned about our current implementation of 5g wireless technology. The more research I do and the experts I talk to the more concerned I become. There is no doubt there are benefits such as autonomous vehicles and faster download speeds at the same time I think there is potential harm. It important that we understand that 5G is not just an incremental number on cell forms. In fact, over 230 scientists and researchers from 41 countries have around the world have formerly written to the United Nations, member nations and the World Health Organisation expressing their concern over the planned roll out of 5G technology especially for vulnerable population of children, pregnant women and environmentally sensitive. They have been joined by state legislators and federal regulators to ask the FCC to provide evidence that there is no harm from the rollout of 5G technology.

I have no doubt that the engineers and businesses and companies that roll out technology is well meaning. Their focus is to be first products to market and getting new products into the market as efficiency and quickly as they can.

I am not aware of any research or studies by my industry or related industries that deal at all with the health or safety effects of wireless technology. Some important facts of 5G

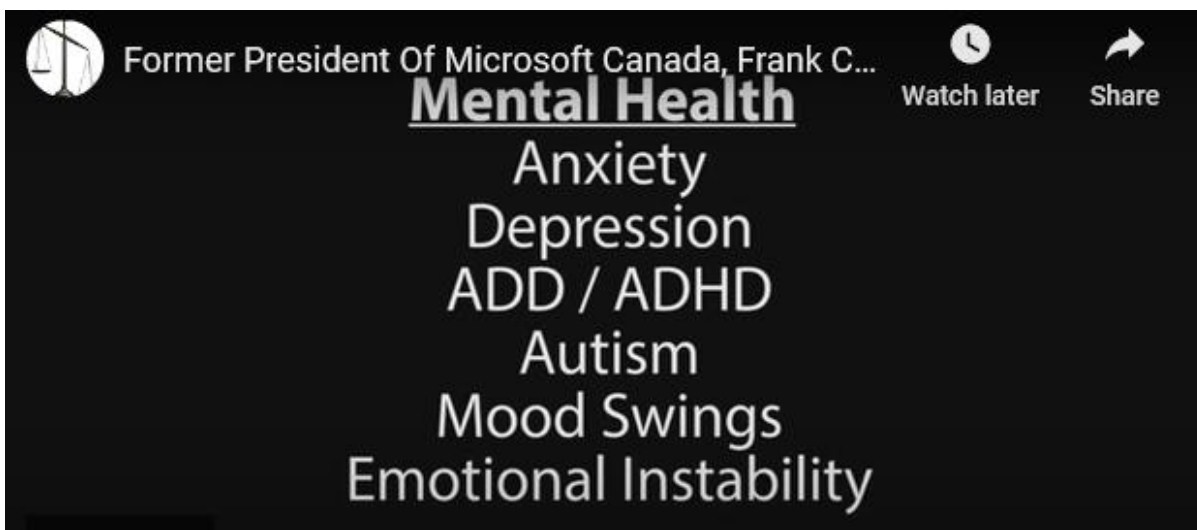
5G technology has not been tested I am not aware of a single study that shows 5G technology is safe. 5G gives off radio frequency radiation absorbs in the human body and accumulates in the human body. One segment of 5G technology is millimeter waves are used by the US and Israel in their active denial systems which are used for crowd control. What they do is provide a very painful reaction in the skin organs of the body. We have no idea what the health impacts of that kind of millimeter wave technology is used and we are exposed 24 hours a day 7 days a week.

There is significant proven health effects from wireless technology and devices. These include: heart arrhythmia, infertility, tinnitus, numbness and tingling, diabetes, cancer, permanent DNA damage, insomnia, headaches, fatigue, heart palpitations, anxiety, depression, ADD/ADHD, Autism, mood swings, emotional instability.



All caused by **exposure to wireless devices and radiation** from them. More serious symptoms include:

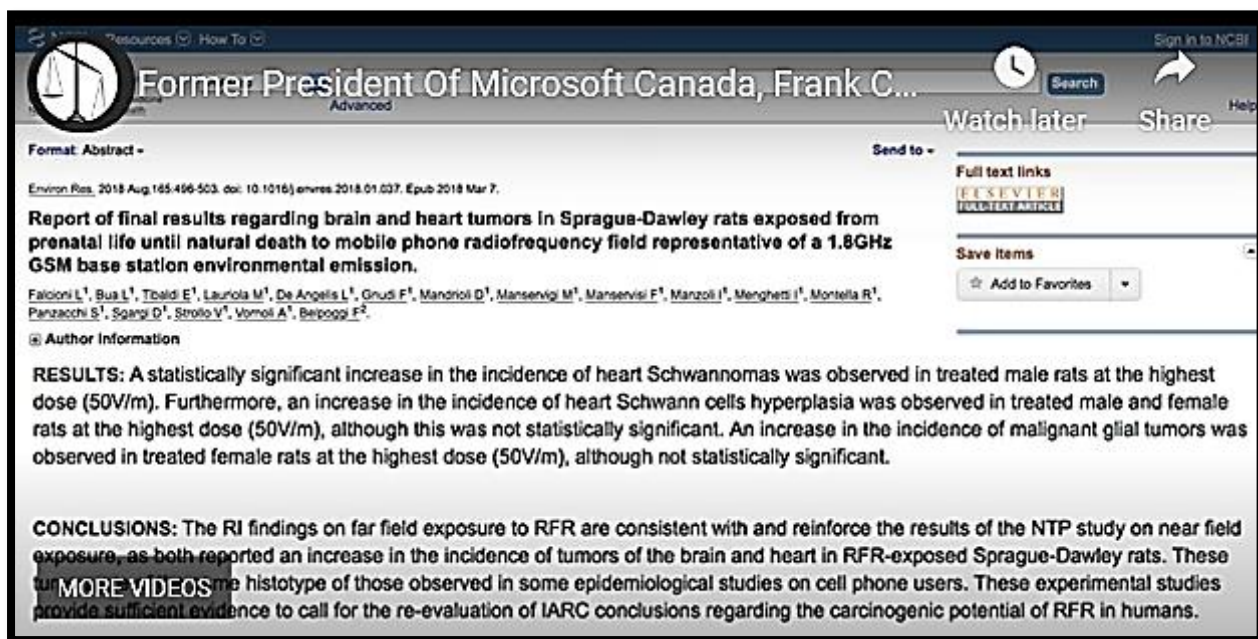
Mental health is impact with:



In fact all these health factors conditions **risen exponentially over the last 30 years** and hundreds of studies that show proof of biological harm from biological devices.



Most recently in 2018 the National Institute of Health released the findings of a 14 year 25 million dollar study which show clear evidence of harm in terms of cancer and permanent DNA damage. This study several months later was verified by the prestigious Institute Ramazzini out of Italy found the same results. Refer <https://www.ramazzini.org/en/the-institute/>



You may ask **how a product that has this much potential harm could be released to the public?** The way the process works FCC regulates all wireless devices and product associated with them. Unfortunately the FCC is made up of previous telecom executives, lawyer, engineers it does not have any scientists or doctors that you would expect to be involved in the regulation of potentially harmful products.

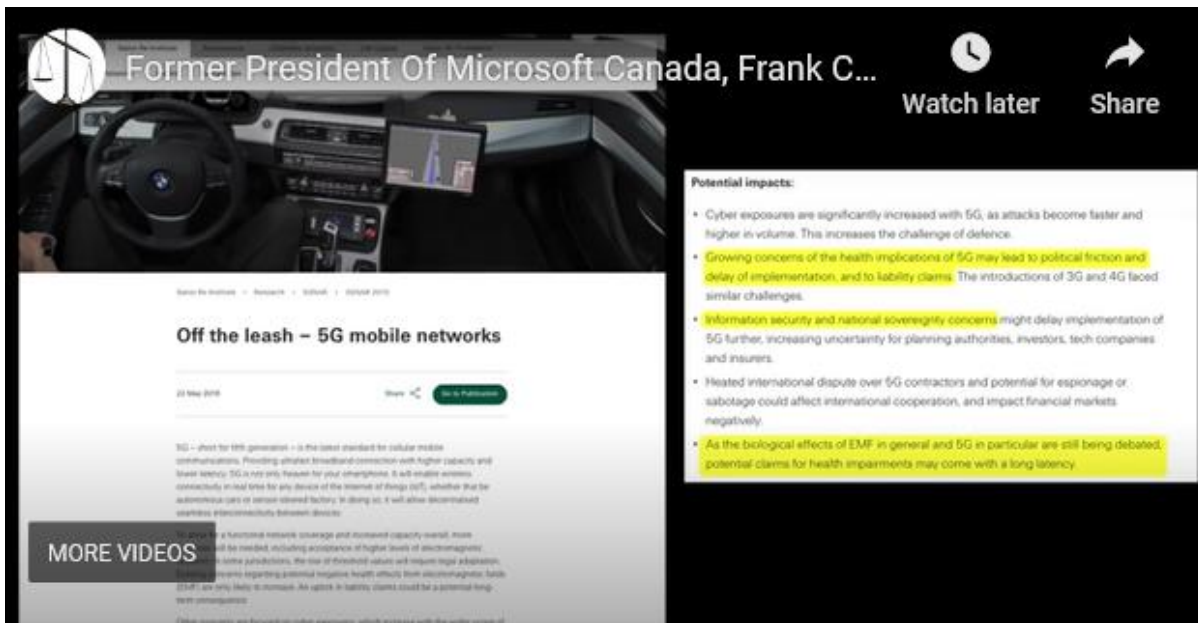


In fact the **FCC guidelines are 20 years out of date** without any significant improvement. Countries such as China, Russia, Italy and Switzerland have safety guidelines that are 100 times safer for their citizens. The FCC guidelines based on small, short term infrequent exposure, **they don't worry about the accumulative effects of multiple devices**, don't measure and monitor exposure 24 hours a day 7 days a week, have no special consideration for children, pregnant women or those who have shown environmental sensitivities to wireless radiation. In addition to concerns about the guidelines, there is no oversight provided by the FCC, the telecommunications industry is self-policing. So what we are left with a wild west scenario where the regulations and the guidelines are significantly lacking and the industry is left to its own accord with all this technology out to the market place.

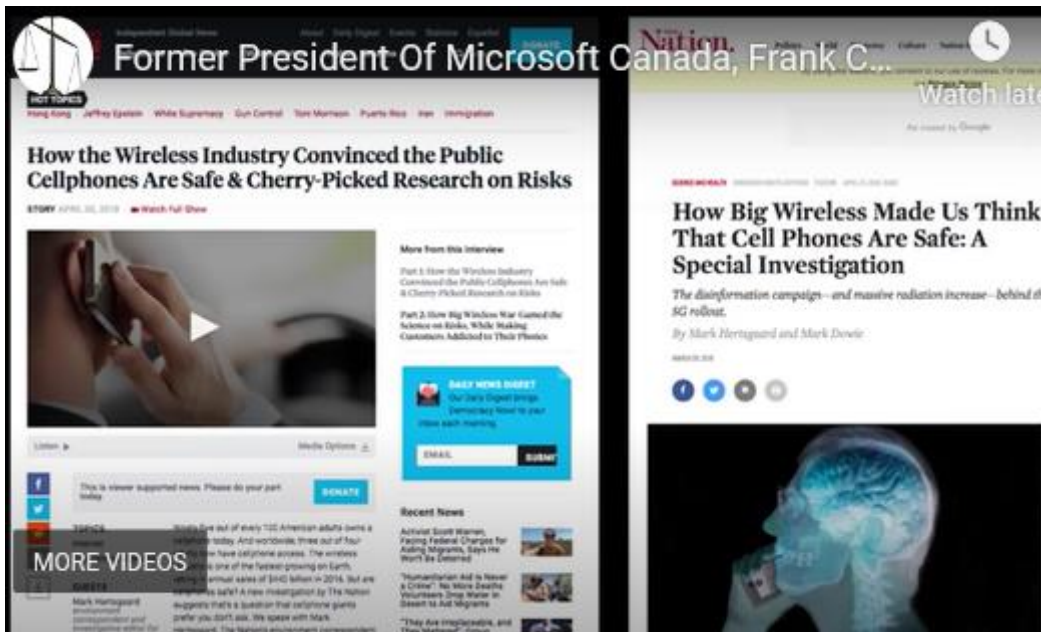
The telecommunications Act of 1996 prohibits any telecommunication company to be sued on the basis of the safety and health of their products. There is no liability to the telecommunications industry of any of the impacts of their products.



Just last week the Reinsurer Swiss Ray came out with their forecast and they specifically identified 5G technology as an upcoming insururable health concern globally over the next 3 years.



There is mounting evidence that the telecommunications industry knew about the potential impacts of RF radiation years ago.



We are starting to see some of the behavior from my industry similar to the tobacco did over the last few decades.



Telecommunications industry:

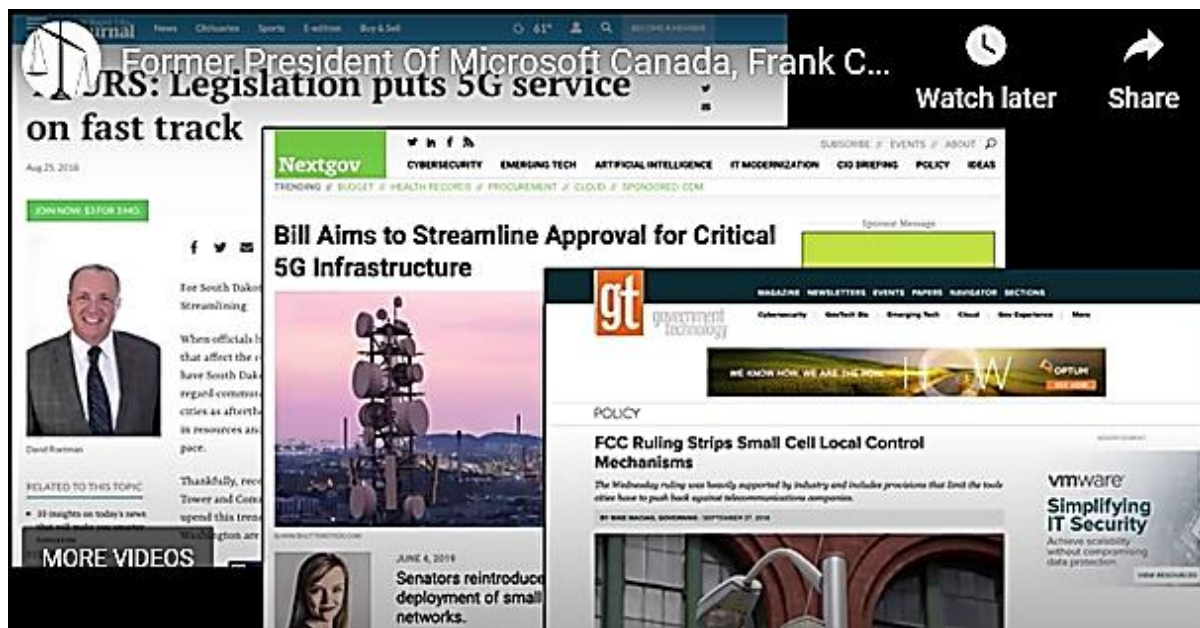
Telecom has over 500 lobbyist working in Washington every day

Together all of these issues I have referenced and the lack of awareness in the general public has led us to this situation where we are today. So where are we today? Today we have significant amount of exposure in our homes, businesses, schools and most public areas. Cisco has predicted by 2030 there will be:

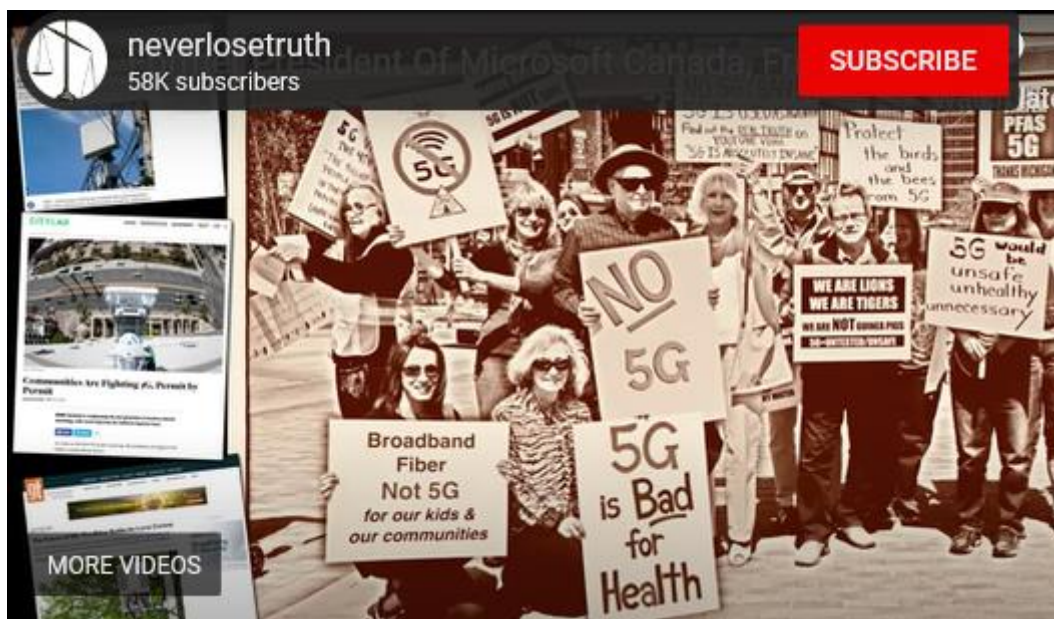
By 2030
500,000,000,000 devices
60 devices per person

Many states and cities around the world are debating and passing legislation about the roll out of 5G legislation.

In the US at the Federal and State level they are fast tracking this legislation to support the roll out of 5G infrastructure.



This legislation seems to be taking away all individual rights, the rights of towns, counties and cities and passing more power to the telecommunications companies. We believe this is a historic and unprecedented power shift from the individual and state and local level to a industry. Many communities in the US and around the world are passing moratoriums preventing the roll out of 5G until it is proven safe.



5G will impact you personally. There are designs that show the requirement for small cell 5G antenna's as close as every 3rd house in the neighbourhood and as close as 500ft.



The impact of that radiation at that level of frequency and intensity power 24 hours a day and 7 days a week is unprecedented and is not understood. I've spent the last 5 years of my life had the opportunity met with experts on a worldwide basis who have studied the impact of wireless radiation and devices. I've also had the opportunity to meet with the great minds in the technology sector who have create these tremendous products that we use in our lives and tremendous benefit. I am convinced there are safer alternatives available, so we have the best of both worlds technology that can provide tremendous benefits but technology that is safe. There is no incentive or motivation to provide the research or the funding to look for safer alternatives. So that is why it is up to us to encourage that investment that can be asking legislatures to pass legislation encouraging industry to do it, or us directly trying to advocate for change in the industry to allow them to become more responsible to provide safer technology that still provides tremendous benefit.

We can't do this on our own we need your help. This is what you can do, the most important thing is to get educated. We provided a little bit of a overview, and some of the scientific evidence that shows there is potential harm. Now you have to take the initiative there is tremendous websites Canadians for safe technology, the environmental health trust, safer EMR.com and physicians for safe technology. There are other resources listed at the end of the video. We encourage you to spread the word. Share the information share the video with coworkers, family, friends, legislators (state, federal), school board. Your knowledge is in your power is in your hands. I fundamentally believe we can have the best of both worlds that is access to technology and the tremendous benefits it provides but in a safe manner.

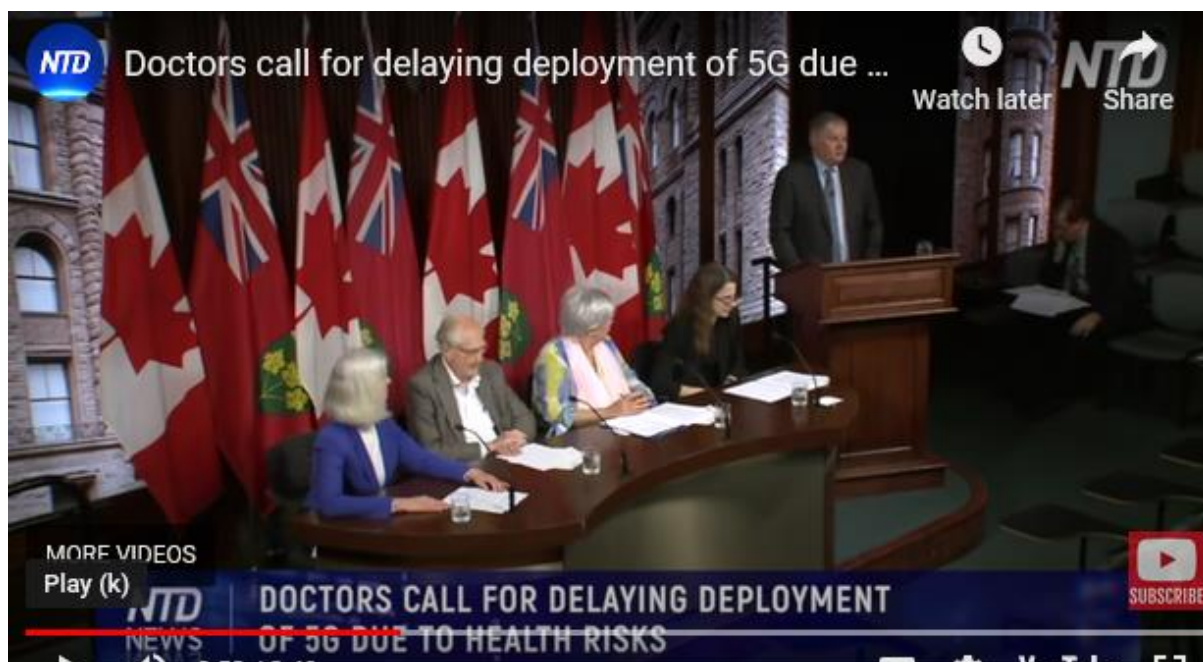
We are advocates for safe technology but not no technology.

Thank you for your time.

24.3 Doctors call for delaying deployment of 5G

YouTube: <https://youtu.be/-T2R2htAaqq>

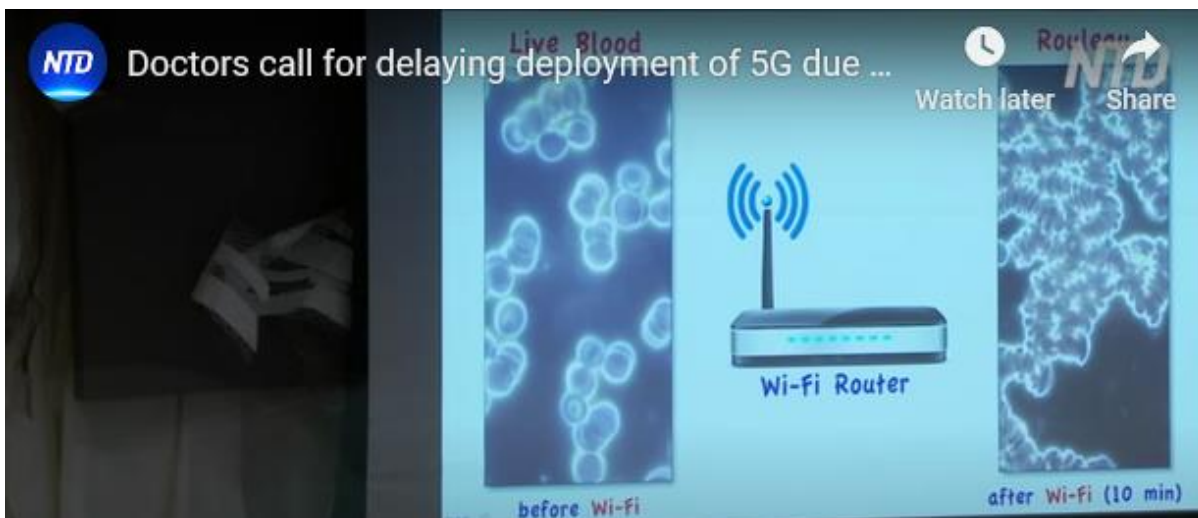
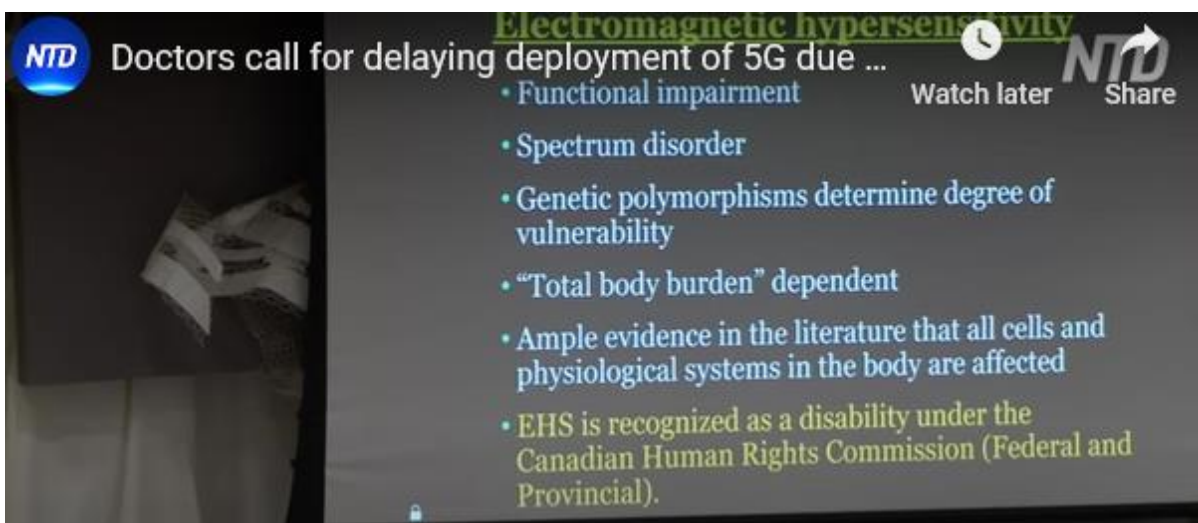
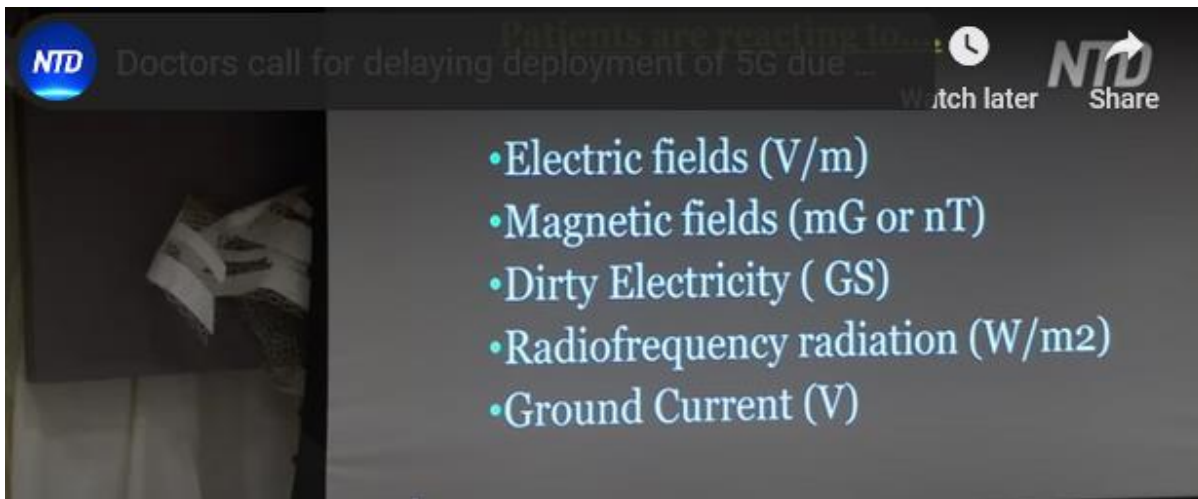
5G fifth generation higher speeds but also blanketed with a new type of radiation of millimeter waves. Frank Clegg – requires a new infrastructure of thousands of small cell antennae’s.



Dr Riina Bray Md 5G the most prevalent symptoms: headache fatigue, decreased ability to concentrate, tenitis, irritability, insomnia. Impacts on heart.

Provisional health clinic. Seen people suffer adverse effects the impacts. Concerned 5G increase proximity and exposure of microwave radiation in Ontarians. We predict the number of people who will develop the symptoms I mentioned will rise in the places where 5G is first installed.

High intensity



Biological effects of electromagnetic pollution.

Dr Magda Havas PhD: High intensities cause intense heat and pain. Sweat glands act like antennae's. Lower frequencies scientists are predicting damage to eyes, loss of insects population, antibiotic resistance in bacteria and physiological effects on the nervous system and immune system.

Radiation is in the same category of carcinogens as lead.



Dr Anthony Miller : One advisor to the WHO there is enough evidence to reevaluate radio frequency radiation ... *it would be placed in Class 1 ie. A Human Carcinogen. Governments couldn't possibly ignore that.*

24.4 Study: EMF, Bioinitiative Working Group

"Those who would give up essential Liberty, to purchase a little temporary Safety,
deserve
neither Liberty nor Safety." - Ben Franklin

The Committee will gain insight into reading excerpts from the Bioinitiative Report as it is an issue that ethically confronts policy makers about how to deal with a major social, economic and health issue of a global scope. This issue is linked to the COVID-19 problem. It raises concerns about on-line working and the digital transformation that requires everyone to go online with rollout and expansion of the IT sector as the next Fourth Industrial Revolution. The health industry in this focus is about bringing technology into health due to big Biotechnology companies driving the agenda for disease control, vaccinations, contact tracing, and technologies used in healthcare. In the case of COVID-19 with the closing down of physical contact and economic activity with the requirement of on-line working, raises real questions around the health impact of RF-EMF radiation, particularly harmful to children. In this report radiation has similar features to a virus, it can't be seen, it can't be smelt, felt and the invisible nature of the toxin means people don't realise they are being harmed. However, the harm is significant.

There are other disturbing views that a virus (and EMF) can be attack or weed out weaker or immune compromised people in the population. The market is invested in disease not wellness. It relies on disease and new illnesses to roll out vaccines and expand data gathering. As a former analyst and I can see the strategic agenda. The EMF and COVID-19 in my view raise similar ethical issues emanating from the same focus – expansion of SMART technologies and data gathering. Decision makers are trading off profit and economic growth against human health and wellbeing. From a citizens perspective it is evident that industry serves its own interests. It is not elected and business people are trained to find ways to expand growth, it is a mantra not unlike a religion. It is unquestioned and supported in the public benefit given trickle down economics and standards of living. AI and automation are game changes as employment will decline by 40% in a technocracy.

In the view of the author human, health cannot be traded for economic growth of the few. It is not a commodity it is a birth right and any deliberate cause of harm is a crime against humanity. Each person has the right to a healthy environment free of toxins and to consume healthy clean food without DNA damage, fertility issues, cancer, anxiety, depression and many more ailments. We have a right to know what is being done with taxpayer's money and investigate unethical corporate and government behaviour in the public interest. As the problems will keep coming as we don't solve the fundamental issue of economic growth and our insecurity that fuels it.

The Bioinitiative Working Group were formed back in 2012, their findings on the biggest health issue we all face, EMF radiofrequency, has been studied and assessed in a 1,5587 page report. They are not the only body to have comprehensively studied this subject, the US military are well aware of microwave radiation. The underlying driver of the COVID-19 pandemic appears to be connected to the implementation of automation and 5G. The connected trade war is about spectrum as the fear is China taking dominance. In Australia we have divided interests whereby politicians have been coopted by Chinese interests on the one hand and other politicians have done the bidding of the US, on the other. Australia finds themselves in the middle. Banning ionising radiation will create contention but it will place Australia in a position where health is safety and sovereignty is self determination. Sometimes you have to make a stand when you know it is wrong.

This document is in the Appendix and has ample evidence on the massive health impacts of EMF microwave radiation. The connection to the biotech and pharmaceutical field is the use of radiation in medicine but also the clinical approach to healing rather than a wholistic approach. The ability to see wholistically changes everything as elements of science can be utilised but only if it ensures public health

and safety. This come first, not profit nor economic growth. Without a healthy population you have no real wealth. There are big lessons to be learned in these times we are moving through.

Below is the preface on the report followed by a discussion about how to analyse scientific, health based evidence. I suspect what they have produced may guide the Committee on how to assess COVID-19 given the many layers of complexity to this subject.

PREFACE

The Organizing Committee thanks the participants of the BioInitiative Working Group for their integrity and intellectual courage in dealing with this controversial and important topic; and for devoting the time and energy to produce their chapters. The information and conclusions in each chapter are the responsibilities of the authors of that chapter. The Group has produced what the authors hope will be a benchmark for good science and public health policy planning. It documents bioeffects, adverse health effects and public health conclusions about impacts of non-ionizing radiation (electromagnetic fields including extremely-low frequency ELF-EMF and radiofrequency/microwave or RF-EMF fields).

Societal decisions about this body of science have global implications. Good public health policy depends on acting soon enough, but not without cause, and with enough information to guide intelligent actions. To a great degree, it is the definition of the standard of evidence used to judge the scientific reports that shapes this debate.

Disagreement about when the evidence is sufficient to take action has more to do with the outcome of various reviews and standard-setting proceedings than any other single factor.

Whatever "standard of evidence" is selected to assess the strength of the science will deeply influence the outcome of decisions on public policy. We are at a **critical juncture in this world-wide debate**. The answers lie not only in the various branches of science; but necessarily depend on the involvement of public health and policy professionals, the regulatory, legal and environmental protection sectors, and the public sector. This has been a **long-term collaboration of international scientists** employing a multi-disciplinary approach to problem assessment and solving. Our work has necessarily relied on tools and approaches across the physical, biological and engineering sciences; and those of the environmental scientist and public health professional. Only when taken **together can we see the whole** and begin to take steps that can prevent possible harm and protect future generations.

The BioInitiative 2012 Report has been prepared by 29 authors from ten countries*, ten holding medical degrees (MDs), 21 PhDs, and three MsC, MA or MPHs. Among the authors are three former presidents of the Bioelectromagnetics Society, and five full members of BEMS. One distinguished author is the Chair of the Russian National Committee on Non-Ionizing Radiation. Another is a Senior Advisor to the European Environmental Agency. As in 2007, each author is responsible for their own chapter.

The great strength of the BioInitiative Report (www.bioinitiative.org) is that it has been done **independent of governments**, existing bodies and industry professional societies that have clung to **old standards**. Precisely because of this, the BioInitiative Report presents a solid scientific and public health policy **assessment that is evidence-based**.

**A Rationale for Biologically-based
Exposure Standards for Low-Intensity
Electromagnetic Radiation
Bioinitiative Working Group 2012**

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Bioinitiative Report: A Rationale for a Biologically-based Public Exposure Standard for Electromagnetic Radiation at www.bioinitiative.org, December 31, 2012

I. SUMMARY FOR THE PUBLIC

A. Introduction

You cannot see it, taste it or smell it, but it is one of the most pervasive environmental exposures in industrialized countries today. Electromagnetic radiation (EMR) or electromagnetic fields (EMFs) are the terms that broadly describe exposures created by the vast array of wired and wireless technologies that have altered the landscape of our lives in countless beneficial ways. However, these technologies were designed to maximize energy efficiency and convenience; not with biological effects on people in mind. Based on new studies, there is growing evidence among scientists and the public about possible health risks associated with these technologies. Human beings are bioelectrical systems. Our hearts and brains are regulated by internal bioelectrical signals. Environmental exposures to artificial EMFs can interact with fundamental biological processes in the human body. In some cases, this can cause

discomfort and disease. Since World War II, the background level of EMF from electrical sources has risen exponentially, most recently by the soaring popularity of wireless technologies such as cell phones (two billion and counting in 2006), cordless phones, WI-FI and WI-MAX networks. Several decades of international scientific research confirm that EMFs are biologically active in animals and in humans, which could have major public health consequences.

In today's world, everyone is exposed to two types of EMFs: **(1) extremely low frequency electromagnetic fields (ELF) from electrical and electronic appliances and power lines and (2) radiofrequency radiation (RF)** from wireless devices such as cell phones and cordless phones, cellular antennas and towers, and broadcast transmission towers. In this report we will use the term EMFs when referring to all electromagnetic fields in general; and the terms ELF and RF when referring to the specific type of exposure. They are both types of non-ionizing radiation, which means that they do not have sufficient energy to break off electrons from their orbits around atoms and ionize (charge) the atoms, as do x-rays, CT scans, and other forms of ionizing radiation. A glossary and definitions are provided in Section 18 to assist you. Some handy definitions you will probably need when reading about ELF and RF in this summary section (the language for measuring it) are shown with the references for this section.

A working group composed of scientists, researchers and **public health policy professionals** (The BioInitiative Working Group) has joined together to document the information that must be considered in the international debate about the adequacy (or inadequacy) of existing public exposure standards.

This Report is the product of an international research and public policy initiative to give an **overview of what is known of biological effects that occur at low-intensity EMFs exposures (for both radiofrequency radiation RF and power-frequency ELF**, and various forms of combined exposures that are now known to be bioactive). The Report examines the research and current standards and finds that these standards are far from adequate to protect public health.

Recognizing that other bodies in the United States, United Kingdom, Australia, many European Union and eastern European countries as well as the World Health Organization are actively debating this topic, the BioInitiative Working Group has conducted a independent science and public health policy review process. The report presents solid science on this issue, and makes recommendations to decision-makers and the public. Conclusions of the individual authors, and overall conclusions are given in Table 2-1 (BioInitiative Overall Summary Chart).

Eleven (11) chapters that document key scientific studies and reviews identifying low-intensity effects of electromagnetic fields have been written by members of the BioInitiative Working Group. Section 16 and 17 have been prepared by public health and policy experts. These sections discuss the standard of evidence which should be applied in public health planning, how the scientific information should be evaluated in the context of prudent public health policy, and identifies the basis for taking precautionary and preventative actions that are proportionate to the knowledge at hand. They also evaluate the evidence for ELF that leads to a recommendation for new public safety limits (not precautionary or preventative actions, as need is demonstrated).

Other scientific review bodies and agencies have reached different conclusions than we have by adopting standards of evidence so unreasonably high as to exclude any conclusions likely to lead to new public safety limits. Some groups are actually recommending a relaxation of the existing (and inadequate) standards. Why is this happening? One reason is that exposure limits for ELF and RF are developed by bodies of scientists and engineers that belong to professional societies who have traditionally developed recommendations; and then government agencies have adopted those recommendations. The standard-setting processes have little, if any, input from other stakeholders outside professional engineering and

closely-related commercial interests. Often, the industry view of allowable risk and proof of harm is most influential, rather than what public health experts would determine is acceptable.

Main Reasons for Disagreement among Experts

- 1) **Scientists and public health policy experts use very different** definitions of the standard of evidence used to judge the science, so they come to different conclusions about what to do. Scientists do have a role, but it is not exclusive and other opinions matter.
- 2) **We are all talking about essentially the same scientific studies**, but use a different way of measuring when “enough is enough” or “proof exists”.
- 3) Some experts keep saying that all **studies have to be consistent** (turn out the same way every time) **before they are comfortable saying an effect exists**.
- 4) Some experts think that it is **enough** to look only at short-term, acute effects.
- 5) Other experts say that it is **imperative** we have studies over longer time (showing the effects of chronic exposures) since that is what kind of world we live in.
- 6) Some experts say that **everyone**, including the very young, the elderly, pregnant women, and people with illnesses **have to be considered** – others say only the average person (or in the case of RF, a six-foot tall man) matter.
- 7) There is **no unexposed population**, making it harder to see increased risk of diseases.
- 8) The **lack of consensus** about a single biological mechanism of action.
- 9) The **strength of human epidemiological studies** reporting risks from ELF and RF exposures, but animal studies don't show a strong toxic effect.

10) Vested interests have a substantial influence on the health debate.

Public Policy Decisions

Safety limits for public exposure to EMFs need to be developed on the basis of interaction among not only scientists, but also public health experts, public policy makers and the general public.

"In principle, the assessment of the evidence should combine with judgment based on other societal values, for example, costs and benefits, acceptability of risks, cultural preferences, etc. and result in sound and effective decision-making. Decisions on these matters are eventually taken as a function of the views, values and interests of the stakeholders participating in the process, whose opinions are then weighed depending on several factors. Scientific evidence perhaps carries, or should carry, relatively heavy weight, but grants no exclusive status; decisions will be evidence-based but will also be based on other factors."(1)

The clear consensus of the BioInitiative Working Group members is that the existing public safety limits are inadequate for both ELF and RF.

C. Problems with Existing Public Health Standards (Safety Limits)

Today's public exposure limits for telecommunications are based on the **presumption that heating of tissue (for RF) or induced electric currents** in the body (for ELF) are the only concerns when living organisms are exposed to RF. These exposures can create **tissue heating** that is well known to be harmful in even very short-term doses. As such, **thermal limits do serve a purpose**. For example, for people whose occupations require them to work around **radar** facilities or RF heatsealers, or for people who install and service **wireless antenna tower**, thermally-based limits are necessary to prevent damage from heating (or, in the case of power-frequency ELF from induced current flow in tissues). In the past, scientists and engineers **developed exposure standards for electromagnetic radiation based what we now believe are faulty assumptions** that the right way to measure how much non-ionizing energy humans can tolerate (how much exposure) without harm is to measure only the heating of tissue (RF) or induced currents in the body (ELF).

In the **last few decades, it has been established beyond any reasonable** doubt that bioeffects and some adverse health effects occur at far lower levels of RF and ELF exposure where no heating (or induced currents) occurs at all; some effects are shown to occur at several hundred thousand times below the existing public safety limits where heating is an impossibility.

It appears it is the INFORMATION conveyed by electromagnetic radiation (rather than heat) that **causes biological changes - some of these biological changes may lead to loss of wellbeing, disease and even death**.

Effects occur at **non-thermal or low-intensity exposure levels** thousands of times below the levels that federal agencies say should keep the public safe. For many new devices operating with wireless technologies, the devices are exempt from any regulatory standards. The existing **standards have been proven to be inadequate to control against harm** from low-intensity, chronic exposures, based on any reasonable, independent assessment of the scientific literature. It means that an entirely new basis (a biological basis) for new exposure standards is needed. New standards need to take into account what we have learned about the effects of ELF and RF (all non-ionizing electromagnetic radiation and to design new limits based on biologically demonstrated effects that are important to proper biological function in living organisms. It is vital to do so because the explosion of new sources has created **unprecedented levels of artificial electromagnetic fields that now cover all but remote areas of the habitable space on earth**. Midcourse corrections are needed in the way we accept, test and deploy new technologies that expose us to ELF and RF in order to **avert public health problems of a global nature**.

Recent opinions by experts have documented deficiencies in current exposure standards. There is widespread discussion that **thermal limits are outdated**, and that biologically-based exposure standards are needed. **Section 4 describes concerns expressed by WHO, 2007** in its ELF Health Criteria Monograph; the SCENIHR Report, 2006 prepared for the European Commission; the UK SAGE Report, 2007; the Health Protection Agency, United Kingdom in 2005; the NATO Advanced Research Workshop in 2005; the US Radiofrequency Interagency Working Group in 1999; the US Food and Drug Administration in 2000 and 2007; the World Health Organization in 2002; the International Agency for Cancer Research (IARC, 2001), the United Kingdom Parliament Independent Expert Group Report on Mobile Phones – Stewart Report, 2000) and others.

A pioneer researcher, the late Dr. Ross Adey, in his last publication in Bioelectromagnetic Medicine (P. Roche and M. Markov, eds. 2004) concluded:

*"There are **major unanswered questions** about possible health risks that may arise from exposures to various man-made electromagnetic fields where these human exposures are intermittent, recurrent, and may extend over a significant portion of the lifetime of the individual."*

*"Epidemiological studies have evaluated ELF and radiofrequency fields as possible risk factors for human health, with historical evidence relating rising risks of such factors as progressive rural electrification, and more recently, to methods of electrical power distribution and utilization in commercial buildings. Appropriate models describing **these bioeffects are based in non-equilibrium thermodynamics**, with nonlinear electrodynamics as an integral feature. Heating models, based in equilibrium thermodynamics, fail to explain an impressive new frontier of much greater significance.*

*..... Though incompletely understood, tissue free radical **interactions with magnetic fields may extend to zero field levels.**" (2)*

There may be no lower limit at which exposures do not affect us. Until we know if there is a lower limit below which bioeffects and adverse health impacts do not occur, it is unwise from a public health perspective to continue "business-as-usual" deploying new technologies that increase ELF and RF exposures, particularly involuntary exposures.

II. SUMMARY OF THE SCIENCE

A. Evidence for Cancer

1. Childhood Leukemia

The evidence that **power lines** and other sources of ELF are consistently associated with higher rates of **childhood leukemia** has resulted in the International Agency for Cancer Research (an arm of the World Health Organization) to classify ELF as a Possible Human Carcinogen (in the Group 2B carcinogen list). Leukemia is the most common type of cancer in children.

There is little doubt that exposure to ELF causes childhood leukemia.

The exposure levels for increased risk are quite low – just above background or ambient levels and much lower than current exposure limits. The existing ICNIRP limit is 1000 mG (904 mG in the US) for ELF. Increased risk for childhood **leukemia starts at levels almost one thousand times below the safety standard.** Leukemia risks for young boys are reported in one study to double at only 1.4 mG and above (7) Most other studies combine older children with younger children (0 to 16 years) so that risk levels do not reach statistical significance until exposure levels reach 2 mG or 3 mG. Although some reviews have combined studies of childhood leukemia in ways that indicate the risk level starts at 4 mG and above; this does not reflect many of the studies reporting elevated risks at the lower exposure levels of 2 mG and 3 mG.

2. Other Childhood Cancers

Other childhood cancers have been studied, **including brain tumors**, but not enough work has been done to know if there are risks, how high these risks might be or what exposure levels might be associated with increased risks. The lack of certainty about other childhood cancers should not be taken to signal the "all clear"; rather it is a lack of study.

The World Health Organization ELF Health Criteria Monograph No 322 (2007) says that other childhood cancers "**cannot be ruled out**". (8) There is some evidence that other childhood cancers may be related to ELF exposure but not enough studies have been done.

Several recent studies provide even stronger evidence that ELF is a risk factor for childhood leukemia and cancers later in life. In the first study (9), children who were recovering in high-ELF environments had **poorer survival rates** (a 450% increased risk of dying if the ELF fields were 3 mG and above). In the second study, children who were recovering in 2 mG and above ELF environments were **300% more likely to die** than children exposed to 1 mG and below. In this second study, children recovering in ELF environments between 1 and 2 mG also survival rates, where the increased risk of dying was 280%. (10) These two studies new information that ELF exposures in children can be harmful at levels above even third study looked what risks for cancer a child would have later in life, if that child a home within 300 meters of a high-voltage electric power line. (11) For children who raised for their first five years of life within 300 meters, they have a life-time risk that higher for developing some kinds of cancers.

Children who have leukemia and are in recovery have **poorer survival** ELF exposure at home (or where they are recovering) is between 1mG one study; over 3 mG in another study...

24.4.1 Key Scientific Evidence of Electromagnetic Fields⁶⁴

Note: This information is extracted from the Bioinitiative report. It is to start a conversation in the government on its commitment to the health and safety of Australians as a representative of the Australian people. This must take precedence over commercial and foreign interests. It is a clarion call in actual fact. It is only truth that sets us free. To do what is right changes everything. There are real issues with the recommendation to go on-line. Moreover, the removal of landlines and increasing availability of iPhones does not provide alternative (safe) options for telecommunications. Lastly, there is a real concern that by allowing RF-EMF and suppressing the health impacts the actual ill health becomes a market for Big Pharma and Big BioTech. Government's focus on building cancer hospitals rather than removing the cause. Is this ethical? Is this in the public interest?

On a personal note, I would like to add the following:

I found out a few days ago my cousin was told by her doctor that she has 3 months to live. She has brain cancer and it is aggressive. She is a healthy person but her work requires her to be on the iPhone all the time for business. She is in sales. She is a beautiful, lively and engaging person. She is a grandmother and she is devastated as her life is cut short. She has no pre-existing health conditions. I know it is the iPhone. I walked up the mountain today and recalled my Aunt's face as she quietly told me "now is not a good time she quietly told me and indicated with three fingers "3" (I took that as 3 months)." I saw in her eyes a sadness that is beyond words. I cried for her, she lost her husband last year and my dad (her brother-in-law) October 2019. I am crying as I type this because this is the reality outside of economics and business. You can't allow business interests to focus on the money and ignore the human health impacts when the World Health Organisation has acknowledged in 2011 that RF and EMF is a class 2B possible human carcinogen. This is not saying it doesn't cause cancer. The military know all about radar, we know microwave impacts the biology. So this is too important to leave out when the government is shutting down the entire economy in the name of public health and safety. So I dedicate this section in her name. Her name is Karen. She isn't faceless nor a statistic, she is part of my family.

I. INTRODUCTION

In public health and environmental policy-making, **asking the right questions** is a highly evolved art form. It is necessary to periodically look for 'not-so-early-now warnings' from new science and medical information. At some point it becomes 'old news' in the real-world process of commercializing new technologies* and is ignored. Precious time is lost if the **'evidence curve' does not come quickly enough to 'change the rollout curve'** and result in early enough interventions. EMF may be **a highly preventable source of disease** but not without early enough translation of the science into action. The time for arguing whether EMF health effects exist is over. We know they exist and that they result in human disease.

Asking the right questions and looking for proportionate responses necessarily involves make **mid-course corrections guided by new evidence**. This is particularly true when the consequences of doing nothing are too great to ignore – because they will affect billions of people in societies around the world. "While there are many unanswered questions, the **cost of doing nothing will result in an increasing number of people, many of them young, developing cancer.**" (Carpenter, 2010).

What questions should be asked now, to move forward on the body of evidence? How much evidence do we need to act? Do we have enough? What standard of evidence should be used to judge (purely scientific vs precautionary public health). What is a relevant biological 'dose'? How long does a biological effect last? Are we accounting for differences among individuals or different types of cells?

⁶⁴⁶⁴ Refer Attachment: Bioinitiative Report.

Which of the studies are truly measuring **chronic exposures** (is a one-month or a one-year study really revealing chronic effects; if mid-length studies show no effect, does this tell us anything useful)? Why is it still considered reasonable to base safety standards on time-averaged radiofrequency exposures when the technologies today use pulsed RFR?

For example, the **collective behavior of neurons** is established through synchrony. "Individual neurons have a time window of tens of milliseconds range for single neurons, but oscillatory coalitions of neurons can expand the effect window of synchronization from hundreds of milliseconds to many seconds" (Buzsaki, 2006). This means the time span a bioeffect can last long enough to overlap with the next environmental provocation (pulsed RFR in this case) so that **repetitive exposures** may induce an unending cascade of neurological firing that eventually disrupts normal homeostasis and causes chronically abnormal function in cooperative assemblies of cells like neurons. **RFR is bioactive and already classified as a Possible Human Carcinogen** but the relevant RFR bursts are camouflaged and their relevant metrics are diluted away by time averaging. Why is it reasonable to use safety standards that were developed to guard against induced currents in tissue (ELF-EMF) or that heat or burn tissue (RFR)?

Briefly stated, here is what we knew in 2007.

- **Bioeffects and adverse health effects** of chronic exposure to low intensity (non-thermal) non-ionizing radiation are established.
- Existing FCC and ICNIRP **public safety limits are not sufficiently protective** of public health.
- The World Health Organization has classified **ELF-EMF as a Group 2B Possible Human Carcinogen** (2001).
- **New, biologically-based public exposure standards** are critically needed.
- It is **not in the public interest to wait**.

Here is what we know in 2012. There is more evidence, over a broader range of studies. The levels of biological responses are extraordinarily low (down to the nanowatt and picowatt power density level).

New studies address fertility and reproduction, fetal and neonatal effects, cognitive and behavioral problems in children and neurological damage. There are more mobile phone base station studies with longer testing periods, much more information on **genetic damage** and confirmation of **increased risk of brain cancers** from not one or two studies, but from many studies and many authors including the World Health Organization's massive 13-country INTERPHONE STUDY (Interphone Study Group, 2010).

There are many studies reporting **effects of cell phone radiation** (even on standby-mode), wireless laptop exposure, cell phone use by mothers resulting in altered fetal brain development in the offspring, and more evidence that the **blood-brain barrier and memory are at risk from cell phone use**. There is evidence from human and animal studies that key areas of the brain are negatively affected by RFR at legal levels.

There is better understanding of the important physical and biological factors that make ELF-EMF and RFR **potent disruptors of living tissues and basic metabolic processes**. More and more, EMF devices are being used for medical treatments in cancer, bone and wound healing and re-tuning the nervous system. Increased depth of evidence in many threads is presented in this report by well-regarded scientists and researchers from around the world. **The number of good studies has grown**. The exposure levels causing effects are documented to be much lower than in the past. The epidemiological evidence is now showing risks for a variety of adverse health outcomes. All this should be **taken seriously by governments**, and translated quickly into more protective safety standards, and in the interim, into strong preventative actions, warnings and substitution of safer technologies and redesigned devices.

Bioeffects are clearly established and occur at very low levels of exposure to electromagnetic fields and radiofrequency radiation. Bioeffects can occur in the first few minutes at levels associated with cell and cordless phone use. Bioeffects can also occur from just minutes of exposure to mobile phone masts (cell towers), **WI-FI, and wireless utility 'smart' meters that produce whole-body exposure.** Chronic base station level exposures can result in illness.

Many of these bioeffects can reasonably be expected to result in adverse health effects if the exposures are prolonged or chronic. This is because they interfere with normal body processes (disrupt homeostasis), prevent the body from healing damaged DNA, produce immune system imbalances, metabolic disruption and lower resistance to disease across multiple pathways.

Essential body processes can eventually be disabled by incessant external stresses (from systemwide electrophysiological interference) and lead to pervasive impairment of metabolic and reproductive functions.

What does the WHO IARC Classification of ELF-EMF and RFR as Group 2B Possible Human Carcinogens Mean?

The World Health Organization International Agency for Cancer Research (IARC) designated ELF-EMF as a Group 2B (Possible) Carcinogen in 2001. This is the kind of exposure from power lines, battery switching in cell phone devices, laptop computers and appliances. The World Health Organization specifically **reaffirmed** its finding that EMF is classifiable as a Group 2B Possible Human Carcinogen in **2006** in their Health Criteria Monograph #238 (WHO, 2007).

World Health Organization International Agency for Research on Cancer (IARC) Cancer Classifications

- Group 1 Known Carcinogen
- Group 2A Probable Carcinogen
- Group 2B Possible Human Carcinogen
- Group 3 Insufficient Information
- Group 4 Not a Carcinogen

In 2011, IARC determined that scientific evidence is sufficient now to classify radiofrequency radiation as a **Group 2B Possible Human Carcinogen** (Baan et al, 2011). This is the kind of exposure coming from cell and cordless phones, cell towers, WI-FI, wireless laptops, electronic baby monitors and wireless 'smart' utility meters. So, what does this mean? According to the classification categories, it is again clear **IARC did NOT find** so little clear and consistent evidence that it should support a finding of "*Not A Carcinogen*". That would be the valid test that RFR is safe, as best public health experts can judge the evidence. Nor did IARC find that the evidence sufficient so as to make a stronger classification (Probably or Known Carcinogen). Rather, IARC found the evidence supports classification as a "Possible" cancer-causing agent. That is not a weak or reckless judgment made with few facts. It should be a **strong warning to governments to reconsider their safety standards**, particularly in light of the billions of people at potential health risk from new wireless technologies. Studies of **cell and cordless phones and of wireless whole-body RFR exposures consistently show human health impacts that have become 'epidemiologically visible'** (Sections 11 and 21).

ELF-EMF AND RFR ARE CLASSIFIED AS POSSIBLE CANCER-CAUSING AGENTS –WHY ARE GOVERNMENTS NOT ACTING?

The World Health Organization International Agency for Research on Cancer has classified wireless radiofrequency as a Possible Human Carcinogen (May, 2011). The designation applies to low-intensity RFR in general, covering all RFR-emitting devices and exposure sources (**cell and cordless phones, WI-FI, wireless laptops, wireless hotspots, electronic baby monitors, wireless classroom access points, wireless antenna facilities, etc**). The IARC Panel could have chosen to classify RFR as a Group 4 – Not A Carcinogen if the evidence was clear that RFR is not a cancer-causing agent. It could also have found a Group 3 designation was a good interim choice (Insufficient Evidence). IARC did neither.

II. KEY SCIENTIFIC EVIDENCE (2006- 2012)

Many thousand scientific studies over four decades have provided warnings of serious biological effects and potential health harm from EMF and RFR. About 1800 new, scientific papers published in the last five years report more bioeffects and adverse health effects of EMF and RFR, and are presented in great detail in the BioInitiative Report 2012.[Note: this report is 2014]

These studies since 2006 give critical support to the argument that **current safety standards are grossly inadequate**. They cannot **be protecting public health** if they do not prevent harm to a variety of types of human cells, human sperm and the **developing foetus in-utero**. These are all effects reported today due to cell phone radiation exposures that are both legal and common in daily home, business and school environments. These effects are shown to occur at very low-intensity permissible levels that have become 'typical' for **pregnant women, the foetus, the infant, the child, and for adults**. Such effects are occurring at hundreds to thousands of times lower intensity exposure levels than the current FCC public safety limits allow. These exposure levels are common in the environment, but worst in close proximity to **wireless devices like cell and cordless phones, 'smart' wireless utility meters, wireless routers, wireless classroom access points and laptops, to baby surveillance devices, and in the first few hundred meters of cell towers**. WI-FI levels of RFR and cell phones-on-standby mode are sufficient to cause effects that, if chronic, may be damaging to the health of cellular DNA, reproductive germ cells (sperm) and the male reproductive organs.

Overall, these new studies report **abnormal gene transcription** (Section 5); genotoxicity and single-and double-strand DNA damage (Section 6); stress proteins because of the **fractal RF-antenna like nature of DNA** (Section 7); chromatin condensation and loss of DNA repair capacity in human stem cells (Sections 6 and 15); reduction in free-radical scavengers - particularly melatonin (Sections 5, 9, 13, 14, 15, 16 and 17); neurotoxicity in humans and animals (Section 9), carcinogenicity in humans (Sections 11, 12, 13, 14, 15, 16 and 17); **serious impacts on human and animal sperm** morphology and function (Section 18); effects on offspring behavior (Section 18, 19 and 20); and effects on brain and cranial bone development in the offspring of animals that are exposed to cell phone radiation during pregnancy (Sections 5 and 18). This is only a snapshot of the evidence presented in the BioInitiative 2014 updated report.

Many of these bioeffects are associated with **disruption** of normal biological functioning in the genes, and in the physiology of the nervous and cardiac systems of the body (brain, blood-brain barrier, heart, vascular system). Sleep disruption (insomnia) is a hallmark bioeffect of RFR. **Hypersensitivity disorders like allergies and asthma** are reported from exposure to environmental chemicals and to EMF. A pregnant woman's exposure to EMF has been linked to increased asthma and behavioral problems in the human child after in-utero exposure. Pregnant mice exposed to cell phone radiation give birth to baby mice with **attention disorders, hyperactivity and impaired memory function**, similar to effects seen in human babies as reported by Divan et al (2008).

A. Stress, Stress Proteins and DNA as a Fractal Antenna: The word stress invokes different concepts for people, but needs to be understood as a physiological response. BioInitiative author Martin Blank has described how both ELF-EMF and RFR produce **stress proteins** at very low exposure levels, and why this is only adaptive in the short term. Chronic exposures that **trigger stress responses** (stress proteins) regardless of their environmental cause are mal-adaptive if they go on too long. Any agent (EMF, ionizing radiation, chemicals, heavy metals, etc) that continuously generates stress proteins is not adaptive, and is **harmful**, if it is a constant provocation.

The work of Martin Blank and Reba Goodman of **Columbia University** has established that **stress proteins** are produced by ELF-EMF and RFR at levels far below current safety standards allow. Further, **they think DNA is actually a very good fractal RF-antenna** which is very sensitive to low doses of EMF, and may induce the cellular processes that result in chronic **'unrelenting' stress**. That daily environmental levels of ELF-EMF and RFR can and do throw the human body into stress protein response mode (out of homeostasis) is a fundamental and continuous insult. Chronic exposures can then result in **chronic ill-health**.

B. Fetal Effects and Fetal Development Studies: Effects on the developing foetus from in-utero exposure to cell phone radiation have been observed in both human and animal studies since 2006. Divan et al (2008) found that children born of mothers who used cell phones during pregnancy develop more behavioral problems by the time they have reached school age than children whose mothers did not use cell phones during pregnancy. The July 2008 issue of Epidemiology reports that **children whose mothers used cell phones during pregnancy had 25% more emotional problems, 35% more hyperactivity, 49% more conduct problems and 34% more peer problems** (Divan et al, 2008).

Aldad et al (2012) showed that cell phone radiation significantly altered foetal brain development and produced ADHD-like behavior in the offspring of pregnant mice. Exposed mice had a dose-dependent impaired glutamatergic synaptic transmission onto Layer V pyramidal neurons of the prefrontal cortex. The authors conclude the **behavioural changes were the result of altered neuronal developmental programming** in utero. Offspring mice were hyperactive and had impaired memory function and behavior problems, much like the human children in Divan et al (2008).

A new study from Greece reports altered development of the cranial bones of the mouse foetus from low intensity (0.6 to 0.9 W/kg) in-utero 900 MHz cell phone radiation (Fragopoulou et al, 2009). They report *"our results clearly show that even **modest exposure (e.g., 6-min daily for 21 days) is sufficient to interfere with the normal mouse developmental process.**"*

Other new studies by Fragopoulou et al report that brain astrocyte development followed by proteomic studies is adversely affected by DECT (cordless phone radiation) and mobile phone radiation (Fragopoulou et al, 2012); and that **whole body exposure with GSM 900MHz affects spatial memory** in mice (Fragopoulou et al, 2010).

FOETAL BRAIN DEVELOPMENT MAY BE ALTERED

There is increasing evidence that foetal (in-utero) and **early childhood exposures** to cell phone radiation and wireless technologies in general is a risk factor for **hyperactivity, learning disorders and behavioral problems in school**.

Neonatal physician Carlo Bellieni of Italy found that heart rate variability is adversely affected in infants hospitalized in isolettes or incubators where ELF-EMF levels are in the 0.8 to 0.9 μ T range (8 to 9 mG) (Bellieni, 2008). **Infants suffer adverse changes in heart rate variability, similar to adults**. He also reported that newborns cared for in the high ELF-EMF environments of isolettes have disrupted melatonin levels (Bellieni et al, 2012a).

C. Studies of Sperm: Several international laboratories have replicated studies showing adverse effects on sperm quality, motility and pathology in men who use and particularly those who wear a cell phone, PDA or pager on their belt or in a pocket (Agarwal et al, 2008; Agarwal et al, 2009; Wdowiak et al, 2007; De Iuliis et al, 2009; Fejes et al, 2005; Aitken et al, 2005; Kumar, 2012). Other studies conclude that usage of cell phones, exposure to cell phone radiation, or **storage of a mobile phone close to the testes** of human males affect sperm counts, motility, viability and structure (Aitken et al, 2004; Agarwal et al, 2007; Eroglu et al., 2006). Animal studies have demonstrated oxidative and DNA damage, pathological changes in the testes of animals, decreased sperm mobility and viability, and other measures of deleterious damage to the male germ line (Dasdag et al, 1999; Yan et al, 2007; Otitolaju et al, 2010; Salama et al, 2008; Behari et al, 2006; Kumar et al, 2012). There are fewer animal studies that have studied effects of **cell phone radiation on female fertility** parameters. Panagopoulous et al. 2012 report decreased ovarian development and size of ovaries, and premature cell death of ovarian follicles and nurse cells in *Drosophila melanogaster*. Gul et al (2009) report rats exposed to stand-by level RFR (phones on but not transmitting calls) caused decrease in the number of ovarian follicles in pups born to these exposed dams. Magras and Xenos (1997) reported irreversible infertility in mice after five (5) generations of exposure to RFR at **cell phone tower** exposure levels of less than one microwatt per centimetre squared ($\mu\text{W}/\text{cm}^2$).

Agarwal et al (2009) evaluated the effect of cell phone radiation during talk mode on human sperm samples. The authors found "radiofrequency electromagnetic waves emitted from cell phones may lead to oxidative stress in human semen. We speculate that keeping the cell phone in a trouser pocket in talk mode may negatively affect spermatozoa and **impair male fertility.**"

Aitken et al (2005) studied the effect of 900 MHz cell phone radiation on mice (days, 12-hr per day at 0.09 W/kg). The authors found statistically significant damage to the mitochondrial genome of epididymal spermatozoa ($p < 0.05$).

Avendano et al, 2012 provided evidence that a 4-hr exposure to WI-FI at exceeding low levels ($0.5\text{-}1.0 \mu\text{W}/\text{cm}^2$) near a laptop computer caused **decreased** sperm viability and DNA fragmentation in human sperm samples. Avendano says "(T)o our knowledge, this is the **first study to evaluate the direct impact of a laptop use on human spermatozoa.** *Ex vivo exposure of human spermatozoa to a wireless internet-connected laptop decreased motility and induced DNA fragmentation by a nonthermal effect. We speculate that keeping a laptop connected wirelessly to the internet on the lap near the testes may result in decreased male fertility.*"

De Iuliis et al (2009) reported that "RF-EMR in both the power density and frequency range of mobile phones enhances mitochondrial reactive oxygen species generation by human spermatozoa, decreasing the motility and vitality of these cells while stimulating DNA base adduct formation, and ultimately **DNA fragmentation.**" They warned their findings "have clear implications for the safety of extensive mobile phone use by males of reproductive age, potentially affecting both their fertility and the health and wellbeing of their offspring" based on damage from a 6-hr exposure to 1800 MHz cell phone radiation in human sperm cells. **This 6-hr exposure caused reduced sperm motility and viability** and caused a significant increase in reactive oxygen species (free radicals that are associated with oxidative damage to DNA), and the effects were worse with more exposure (a significant dose-response was observed). Atasoy (2012) also questioned the safety of 2400 MHz exposure to those of reproductive age. This study reports that **WI-FI internet access devices can damage DNA and reduce DNA repair when the exposures are very low** (exposure level of 0.091 W/kg) and chronic; damage can occur even at levels that comply with 802.11 g WI-FI public safety limits.

Behari et al (2006) reported that chronic exposure of rats to cell phone radiation caused double-strand DNA breaks in sperm cells (35 days, 2-hr per day). This study also showed that the **mobile radiation**

exposure at 900 MHz (at 0.9 W/kg) and at 2.45 GHz (at 0.1 W/kg) caused a **statistically significant** decrease in sperm count and the weight of testes. Otitolaju et al., (2010) graphically describe sperm head abnormalities in mice exposed for six months to base-station level RF/MW at 70 to 100 nanowatts/cm² (0.07 – 0.1 μ W/cm²). Only 2% of controls but a stunning 39% to 46% of exposed mice had damaged sperm.

*"The major abnormalities observed were knobbed hook, pin-head and banana shaped sperm head. The occurrence of **sperm** head abnormalities was also found to be dose dependent. The implications of the observed increased occurrence of sperm head abnormalities on the reproductive health of humans living in close proximity to GSM base stations were discussed."*

These studies taken together should provide a **strong warning that 'normal' use** of a cell phone presents risks that warrant **strong preventative actions** to protect the integrity of the **human genome** from de novo mutations and loss of fertility across entire male populations of cell phone users. Further, even the much lower exposure levels associated with mobile phone base station (cell tower) RFR levels are deleterious over time.

HUMAN SPERM AND THEIR DNA ARE DAMAGED

Human sperm are damaged by cell phone radiation at very low intensities (0.00034 – 0.07 μ W/cm²). There is a veritable flood of new studies reporting sperm damage in humans and animals, leading to substantial **concerns for fertility**, reproduction and health of the offspring (unrepaired de novo mutations in sperm). Exposure levels are similar to those resulting from wearing a cell phone on the **belt**, or in the pants pocket, or using a wireless laptop computer on the lap. Sperm lack the ability to repair DNA damage.

D. Human Stem Cell Studies: Markova et al (2010) reported that **915 MHz microwave** exposure significantly affects human stem cells. They found that very low-intensity microwave radiation from mobile phones can inhibit DNA repair processes in human stem cells. By placing a mobile phone at **one meter distance from human stem cells** in petri dishes (SAR = 0.037 W/Kg), they found a significant reduction in 53BP1 foci. These foci are a measure of **DNA repair** in cells with double strand DNA damage. The damage was greater to stem cells (derived from adipose tissue in humans) than in fibroblasts. Stem cells did not repair over time - and the damage was done within one hour of microwave exposure. Fibroblasts were similarly affected (inhibited 53BP1 foci) but repaired over time. The effects are carrier-frequency dependent. The effects occurred with GSM exposure at 915 MHz, but not at 905 MHz. The failure of DNA repair also occurred at the mobile phone UTMS carrier frequency of 1947 MHz. Analysis of the 53BP1 foci is a sensitive technique to measure double-strand DNA breaks in both unexposed cells and in cells exposed to cytotoxic agents. In the authors' words, *"this represents a direct mechanistic link to epidemiological data showing an association of **MW exposure with increased cancer risk.**"* The data obtained from human stem cells is of "utmost relevance for assessment of possible health risks of MW exposure from mobile phones." Most, if not all adult tissues and organs including blood, skin and brain contain stem cells. Therefore, "stem cells like blood cells and fibroblasts are always subjected to exposure from mobile phones." With respect to children, because *"almost all organs and **tissues possess stem cells** and stem cells are more active in children, the possible relationship of chronic MW exposure and various types of tumors and leukemia especially in children should be investigated."*

Czyz et al (2004) reported that GSM cell phone exposure affected gene expression levels in embryonic stem cells (p53-deficient); and significantly increased heat shock protein HSP 70 production.

HUMAN STEM CELL DNA DOES NOT ADAPT OR REPAIR

Human adipose tissue stem cells lack the ability to repair DNA damage caused by chronic exposure to non-thermal microwaves. Damage to DNA in some other cells may be incompletely repaired.

E. Mobile Phone Base Station (Cell Tower) Studies

Human Studies: Hutter et al (2006) reported that **short-term exposure to GSM cell phone radiation resulted in complaints of headache, neurological problems, sleep and concentration problems in adults** with 0.01 - 0.05 $\mu\text{W}/\text{cm}^2$ exposure levels. Kundi and Hutter (2009) reviewed human effects in fourteen (14) mobile phone base station studies and reported "(F)rom available evidence it is impossible to delineate a threshold below which no effect occurs, however, given the fact that studies reporting low exposure were invariably negative it is suggested that power densities around 0.5–1 mW/m^2 [0.05 – 0.1 $\mu\text{W}/\text{cm}^2$] must be exceeded in order to observe an effect." Buchner and Eger (2012) conducted an eighteen (18) month study to assess changes in stress hormones in 60 persons exposed before and after a mobile phone base station went into operation in the Rimbach village in Germany. The study showed that **chronic exposure to base station RF** (whole-body) at 0.006 - 0.01 $\mu\text{W}/\text{cm}^2$ in humans had significant impacts on **stress hormones** over time. In the beginning months, adrenaline levels first increased in a dose-dependent fashion according to exposure level ($p < 0.002$) and then decreased below normal levels ($p < 0.005$). Both the average as well as the median adrenaline values increased after the activation of the transmitter and decreased again after one year with exposure levels $>0.006 \mu\text{W}/\text{cm}^2$. Chronically ill subjects and children showed especially strong responses; except for some "outliers," no effect was observed in healthy adults (Buchner and Eger, 2012). For dopamine, inverse effects to those for adrenaline and noradrenaline were observed. The median **dopamine levels decreased** from 199 to 115 $\mu\text{g}/\text{g}$ creatinine between January and July 2004. The fact that the dopamine levels of the study subjects decreased during this period is highly significant ($p < 0.0002$). Thereafter, the median increased again: In January 2005, it was at 131 $\mu\text{g}/\text{g}$ creatinine, in July of 2005. This increase is also significant between July 2004 and July 2005 ($p < 0.05$).

Buchner (2012) indicates that the RFR transmitter induced changes in stress hormones that follow the classic stress syndrome of adaptation, then exhaustion established by Hans Selye in the 1950's. "After the stages of alarm and resistance, the last stage of exhaustion sets in. The parameters investigated in the Rimbach study follow this pattern".

A long-term 6-yr study assessed the role of **exposure to radio frequency radiation (RFR) emitted either from mobiles or base stations** and its relations with human's hormone profiles. The study revealed significant RFR effects on **pituitary**–adrenal axis, resulting in reduction of ACTH, cortisol, thyroid hormones, prolactin in young females, and **testosterone** levels in males (Eskander et al, 2012). But no direct measurements of RFR power density levels were made, only categories of **distance from transmitter**. Oberfeld et al (2004) reported that populations exposed to base stations transmitting cell phone **frequencies** had more **fatigue, depressive tendency, sleeping disorders, concentration difficulties, and cardio-vascular problems** reported with exposure to GSM 900/1800 MHz cell phone signal.

Navarro et al (2003) reported that exposure levels of 0.01 - 0.11 $\mu\text{W}/\text{cm}^2$ resulted in **fatigue, headaches, sleeping problems** in populations around mobile phone base stations.

Thomas et al (2008) reported an increase in adult complaints of **headaches and concentration difficulties with short-term cell phone use** at 0.005 to 0.04 $\mu\text{W}/\text{cm}^2$ exposure levels.

Heinrich et al (2010) reported that children and adolescents (8-17 years old) with **short-term exposure to base-station** level RFR experienced headache, irritation, and concentration difficulties in school. RFR levels were 0.003 - 0.02 $\mu\text{W}/\text{cm}^2$. Thomas et al (2010) reported that RFR levels of 0.003 - 0.02 $\mu\text{W}/\text{cm}^2$ resulted in conduct and **behavioral problems** in children and adolescents (8-17 years old) exposed to short-term cell phone radiation in school.

Mohler et al (2010) reported that adults exposed to 0.005 $\mu\text{W}/\text{cm}^2$ cell phone radiation (base-station exposure levels) had **sleep disturbances** with chronic exposure, but this effect was not significantly increased across the entire population.

Human Studies at Base Station Exposure Levels (Cell Towers)

At least five new cell tower studies with base-station level RFR at levels ranging from 0.003 $\mu\text{W}/\text{cm}^2$ to 0.05 $\mu\text{W}/\text{cm}^2$ published since 2007 report **headaches, concentration difficulties and behavioral problems in children and adolescents; and sleep disturbances, headaches and concentration problems in adults**. This is highly consistent with studies done prior to 2007, but the 'effect levels' are significantly lower (dropping from the microwatt to the nanowatt range per square centimeter).

Public safety standards are 1,000 – 10,000 or more times higher than levels now commonly reported in mobile phone base station studies to cause bioeffects.

Sperm studies are showing **DNA damage, impaired sperm quality, motility and viability from cell phones on standby mode and wireless laptop** use at exposures of 0.00034 $\mu\text{W}/\text{cm}^2$ to 0.07 $\mu\text{W}/\text{cm}^2$. Several studies report sperm damage effects at 'standby model' cell phone emission levels, which are in the low nanowatt to picowatt per square centimeter range.

F. Electrohypersensitivity (EHS) Studies: McCarty et al (2011) studied electrohypersensitivity in a patient (a female physician). The patient was unable to detect the presence or absence of EMF exposure, largely ruling out the possibility of bias. In multiple trials with the fields either on or not on, the subject experienced and reported **temporal pain, feeling of unease, skipped heartbeats, muscle twitches and/or strong headache when the pulsed field** (100 ms, duration at 10 Hz) was on, but no or mild symptoms when it was off. Symptoms from continuous fields were less severe than with pulsed fields. The differences between field on and sham exposure were significant at the $p < 0.05$ level. The authors conclude that **electromagnetic hypersensitivity** is a **neurological syndrome**, and statistically reliable somatic reactions could be provoked in this patient by exposure to 60-Hz electric fields at 300 volts per meter (V/m). They conclude *"EMF hypersensitivity can occur as a bona fide environmentally inducible neurological syndrome."* In their response to a letter to the editor of the journal, the authors say: *"(W)e followed an empirical approach and demonstrated a cause-and-effect relationship ($p < 0.05$) under conditions that permitted us to infer the existence of electromagnetic hypersensitivity (EHS), a novel neurological syndrome."* (Marino et al., 2012) further, the authors explain the significance of detecting EHS effects by non-linear methods.

"The important issue at this point is not whether EMF can produce symptoms (we empirically demonstrated that it can) but rather why this effect historically has been difficult to detect. It occurred to us that EHS has remained elusive because of the way it was studied. The experiments designed to detect EHS had been based on the assumption that if it existed, it was a linear phenomenon, whereas EHS is actually a nonlinear phenomenon." *"Our study was designed to detect whether EHS was a linear or nonlinear phenomenon, and we were successful in showing a **link between acute EMF exposure and somatic responses** ($p < 0.05$). This finding – taken together with the unfailingly negative results of the linear studies – is good evidence that EHS is a nonlinear phenomenon, as we suspected."*

With the exception of the McCarty study there have not been clear demonstrations in controlled circumstances showing that persons reporting to be electrohypersensitive can distinguish whether or not RFR is being applied. There are, however, multiple reports of **symptoms experienced by individuals exposed to EMFs** in uncontrolled circumstances.

A. Johansson et al (2010) studied symptoms, personality traits and stress in people with mobile phone-related symptoms and electromagnetic hypersensitivity. They reported there is support for a difference between people with symptoms related to specific EMF sources and people with general EHS. The symptoms are **anxiety, depression, somatization, exhaustion and stress**. The EHS group reported more neurasthenic symptoms.

Two publications on electrohypersensitivity by O. Johansson (2007, 2009) provide an extensive overview of the relevant literature on electrohypersensitivity. Both publications document symptoms and conditions giving rise to increased sensitivity to ELF-EMF and RFR. The need for new, biologically-based public exposure standards is recommended in both publications, in order to address electrohypersensitivity.

Landgrebe et al (2007) reported that their study of electrosensitive patients showed participants had a reduced intracortical facilitation as compared to two control groups. The EHS group of patients showed altered central nervous system function. In a follow-up study, the authors reported that EHS patients but not controls *"demonstrated significant cognitive and neurobiological alterations pointing to a higher genuine individual vulnerability of electromagnetic hypersensitive patients."* (Landgrebe et al, 2008).

The team of Sandstrom, Hansson Mild and Lyskov produced numerous papers between 1994 and 2003 involving people who are electrosensitive (Lyskov et al, 1995; Lyskov et al, 1998; Sandstrom et al, 1994; Sandstrom et al, 1995; Sandstrom et al, 1997; Sandstrom et al, 2003). Sandstrom et al (2003) presented evidence that heart rate variability is impaired in people with electrical **hypersensitivity and showed a dysbalance of the autonomic nervous system**. *"EHS patients had a disturbed pattern of circadian rhythms of HRF and showed a relatively 'flat' representation of hourly-recorded spectral power of the HF component of HRV". This research team also found that "EHS patients have a dysbalance of the autonomic nervous system (ANS) regulation with a trend to hyper-sympathotonia, as measured by heart rate (HR) and electrodermal activity, and a hyperreactivity to different external physical factors, as measured by brain evoked potentials and sympathetic skin responses to visual and audio stimulation."* (Lyskov et al, 2001 a,b; Sandstrom et al, 1997). The reports referenced above provide evidence that persons who report being electrosensitive differ from others in having some abnormalities in the autonomic nervous system, reflected in measures such as heart rate variability. At present it remains unclear whether EHS is actually caused by RF/EMF exposure, or rather is a self-identifying syndrome of excessive responsiveness to a variety of stimuli. But given the relatively high percentage of persons reported to be electrosensitive (5% of the general population of Switzerland according to Schreier et al, 2006), with some being severely disabled as a consequence, it is critical that there be more study of this syndrome.

Tuengler and von Klitzing et al (2012) reported EHS people that were tested showed significant **changes in regulation of the autonomic nervous system, including changes in capillary blood flow (microcirculation), heart rate variability, and electric skin potentials**. The continuous detection of capillary blood flow is an important tool in analyzing the capacity of the autonomic nervous system. In EHS patients, von Klitzing finds that intestinal motility may also be disregulated and show no activity at all for some time after exposure.

G. Effects on the Blood-brain Barrier (BBB): The Lund University (Sweden) team of Leif Salford, Bertil Persson and Henrietta Nittby has done pioneering work on effects of very low level RFR on the human brain's protective lining – the barrier that protects the brain from large molecules and toxins that are in the blood.

THE BLOOD-BRAIN BARRIER IS AT RISK

The BBB is a protective barrier that prevents the flow of toxins into sensitive brain tissue. Increased permeability of the BBB caused by **cell phone RFR may result in neuronal damage**. Many research studies show that very low intensity exposures to RFR can affect the blood-brain barrier (BBB) (mostly

animal studies). Summing up the research, it is more **probable than unlikely that non-thermal EMF from cell phones and base stations do have effects upon biology**. A single 2-hr exposure to cell phone radiation can result in increased leakage of the BBB, and 50 days after exposure, neuronal damage can be seen, and at the later time point also albumin leakage is demonstrated. The levels of RFR needed to affect the BBB have been shown to be as low as 0.001 W/kg, or less than holding a mobile phone at arm's length. The US FCC standard is 1.6 W/kg; the ICNIRP standard is 2 W/kg of energy (SAR) into brain tissue from cell/cordless phone use. Thus, BBB effects occur at about 1000 times lower RFR exposure levels than the US and ICNIRP limits allow. (Salford, 2012)

The consequence to modern life is that **cell and cordless phone** use may cause a **pathological leakage of the BBB** with very short use periods, and the damage may be long-lasting. Harmful substances may enter the brain. If the damage is ongoing (if cell and cordless phone use continues to occur over months and years), the potential for harmful effects increases. **There is already 'epidemiologically visible' evidence of increased brain cancer risk in humans (Section 11).**

Volkow et al (2011a, b) reported increased glucose metabolism in the brain with cell phone use in humans. This important investigation of 47 human subjects used a randomized crossover design and labeled fluorodeoxyglucose to measure the metabolisms of the brain when the cell phone was activated but muted for 50 minutes as compared to not being activated. *"Our study showed that **cell phone activation** was associated with metabolic increases in brain **regions closest to the antenna** and that the increases showed a negative linear correlation with distance from the antenna. While the effect was small, the negative correlation of the effect with distance was statistically significant ($R = -0.91$; $P < .001$)."* This study is particularly important in that it demonstrates definitively that an active cell phone, placed on the ear as one would normally be used, alters brain metabolic activity, but only in the region close to the cell phone.

H. Brain Cancer Studies: The Orebro University (Sweden) team led by Lennart Hardell, MD, an oncologist and medical researcher, has produced an extraordinary body of work on environmental toxins of several kinds, including the **effects of radio frequency/microwave radiation and cancer**. Their 2012 work concludes: *"Based on epidemiological studies there is a consistent pattern of increased risk for glioma and acoustic neuroma associated with use of mobile phones and cordless phones. The evidence comes mainly from two study centres, the Hardell group in Sweden and the Interphone Study Group. No consistent pattern of an increased risk is seen for meningioma. A systematic bias in the studies that explains the results would also have been the case for meningioma. **The different risk pattern for tumor type strengthens the findings regarding glioma and acoustic neuroma.** Meta-analyses of the Hardell group and Interphone studies show an increased risk for glioma and acoustic neuroma. Supportive evidence comes also from **anatomical localisation of the tumor** to the most exposed area of the **brain**, cumulative exposure in hours and latency time that all add to the biological relevance of an increased risk. In addition risk calculations based on estimated **absorbed dose** give strength to the findings.*

In summary:

- *There is reasonable basis to conclude that RF-EMFs are bioactive and have a potential to **cause health impacts**.*
- *There is a **consistent pattern of increased risk** for glioma and acoustic neuroma associated with use of wireless phones (mobile phones and cordless phones) mainly based on results from case-control studies from the Hardell group and Interphone Final Study results.*
- *Epidemiological evidence gives that **RF-EMF should be classified as a human carcinogen**.*

- **Based on our own research and review of other evidence the existing FCC/IEE and ICNIRP public safety limits and reference levels are not adequate to protect public health.**

- **New public health standards and limits are needed.** (Hardell et al, 2012)

I. Genetic Damage (Genotoxicity Studies): There are at least several hundred published papers that report EMF affects cellular oxidative processes (oxidative damage). Increased free radical activity and changes in enzymes involved in cellular oxidative processes are the most consistent effects observed in cells and animals after EMF exposure. Aging may make an individual more susceptible to the detrimental effects of ELF EMF from oxidative damage, since anti-oxidants may decline with age. Clearly, the preponderance of genetic studies report **DNA damage and failure to repair DNA damage**. Eighty six (86) new papers on genotoxic effects of RFR published between 2007 and mid-2012 are profiled. Of these, 54 (63%) showed effects and 32 (37%) showed no effects (Lai, 2012)

Forty three (43) new ELF-EMF papers and two static magnetic field papers that report on genotoxic effects of ELF-EMF published between 2007 and mid-2012 are profiled. Of these, 35 (81%) show effects and 8 (19%) show no effect (Lai, 2012).

J. Nervous System Damage: Factors that act directly or indirectly on the nervous system can cause morphological, chemical, or electrical changes in the nervous system that can lead to neurological effects. Both RF and ELF EMF affect neurological functions and behavior in animals and humans.

One hundred fifty five (155) new papers that report on neurological effects of RFR published between 2007 and mid-2012 are profiled. Of these, 98 (63%) showed effects and 57 (37%) showed no effects.

Sixty nine (69) new ELF-EMF papers (including two static field papers) that report on genotoxic effects of ELF-EMF published between 2007 and mid-2012 are profiled. Of these, 64 (93%) show effects and 5 (7%) show no effect. (Lai, 2012)

L. Children are More Vulnerable: Many studies demonstrate that **children are more sensitive to environmental toxins of various kinds** (Barouki et al, 2012; Preston, 2004; WHO, 2002; Gee, 2009; Sly and Carpenter, 2012).

*The Presidential Cancer Panel (2010) found that **children 'are at special risk due to their smaller body mass and rapid physical development, both of which magnify their vulnerability to known carcinogens, including radiation.'** The American Academy of Pediatrics, in a letter to Congressman Dennis Kucinich dated 12 December 2012 states "**Children are disproportionately affected by environmental exposures, including cell phone radiation.** The differences in bone density and the amount of fluid in a child's brain compared to an adult's brain could allow **children to absorb greater quantities of RF energy deeper into their brains** than adults. It is essential that any new standards for cell phones or other wireless devices be based on protecting the youngest and most vulnerable populations to ensure they are safeguarded through their lifetimes."*

II. ISSUES AND ANSWERS IN THE EMF DEBATE

Much of the emphasis in the 2007 Bioinitiative Report focused on cancer, which is still the best documented disease of concern from exposure to EMF/RF. The evidence that **exposure to EMF/RF increases the risk of cancer has only gotten significantly stronger** since then, and we have a better, albeit still incomplete, understanding of the mechanisms involved. However, in terms of threshold exposures that result in human disease, new research on male reproduction and neurobehavioral alterations provide evidence for harm at even lower exposure levels. RFR has been shown in this Report to act as an external synchronizer of neural activity, capable of disrupting sleep, circadian rhythms, diurnal hormone fluctuations, **brain wave activity and heart rate** variability by exposure to artificial electromagnetic signals (as opposed to natural evolutionary frequencies) and to do so at exceedingly low intensities.

Much of the debate over the body of EMF science ignores simple questions that would help to discriminate among studies with apparently conflicting results. Section 15 by Dr. Belyaev is helpful in identifying key factors which must be known and controlled for in experiments (biological variables and physical parameters include bandwidth, frequency, modulation, polarization, intermittence and coherence **time of exposure, static magnetic field, electromagnetic stray fields, sex, age, individual traits, and cell density during exposure**). Dr. Andrew Marino emphasizes that detection of EMF/RF effects require investigation of non-linear phenomena, a critical difference that if ignored, may miss important biological effects (Marino, 2012).

A unifying hypothesis for a plausible biological mechanism to account for very weak field EMF bioeffects other than cancer may lie with weak field interactions of **pulsed RFR and ELF-modulated RFR as disrupters of synchronized neural activity**. Electrical rhythms in our brains can be influenced by external signals. This is consistent with established weak field effects on coupled biological oscillators in living

tissues. Biological systems of the heart, brain and gut are dependent on the cooperative actions of cells that function according to principles of non-linear, coupled biological oscillations for their synchrony, and are dependent on exquisitely timed cues from the environment at vanishingly small levels (Buzsaki, 2006; Strogatz, 2003). The key to synchronization is the joint actions of cells that co-operate electrically - linking populations of biological oscillators that couple together in large arrays and synchronize spontaneously according to the mathematics described for Josephson junctions (Brian Josephson, the 1993 Nobel prize winner for this concept). This concept has been professionally presented in journal articles and also popularized in print by Prof. Steven Strogatz, a mathematician at Cornell University who has written about 'sync' as a fundamental organizing principle for biological systems (Strogatz, 2001; 2003).

"Organisms are biochemically dynamic. They are continuously subjected to time-varying conditions in the form of both extrinsic driving from the environment and intrinsic rhythms generated by specialized cellular clocks within the organism itself. Relevant examples of the latter are the cardiac pacemaker located at the sinoatrial node in mammalian hearts and the circadian clock residing at the suprachiasmatic nuclei in mammalian brains. These rhythm generators are composed of thousands of clock cells that are intrinsically diverse but nevertheless manage to function in a coherent oscillatory state. This is the case, for instance, of

*the **circadian oscillations** exhibited by the suprachiasmatic nuclei, the period of which is known to be determined by the mean period of the individual neurons making up the circadian clock. The mechanisms by which this collective behaviour arises remain to be understood."*(Strogatz, 2003)

Synchronous biological oscillations in cells (pacemaker cells) can be disrupted by artificial, exogenous environmental signals, resulting in desynchronization of neural activity that regulates critical functions (including metabolism) in the brain, gut and heart and circadian rhythms governing sleep and hormone cycles (Strogatz, 1987). The brain contains a population of oscillators with distributed natural frequencies, which pull one another into synchrony (the circadian pacemaker cells). Strogatz has addressed the

unifying mathematics of biological cycles and external factors disrupt these cycles. Buzsaki (2006) says *"rhythms can be altered by a wide variety of agents and that these perturbations must seriously alter brain performance. Rhythms are a robust phenomenon."*

The heart's natural pacemaker center is the sinoatrial node, a cluster of about 10,000 cells that generate electrical rhythm that commands the rest of the heart to beat. Diseases related to disruption of that synchronization include epilepsy, chronic insomnia, and cardiac arrhythmias (Strogatz, 2003). Some EMF diseases are those where desynchronization of neural activity results in physiological changes that, if chronic, result in chronically **disrupted homeostasis**, and eventually ill-health and chronic diseases. Such a **future burdens health care systems in an irreversible way**. The late Dr. Ross Adey in his last publication in Bioelectromagnetic Medicine (P. Roche and M. Markov, eds. 2004) concluded:

"There are major unanswered questions about possible health risks that may arise from exposures to various man-made electromagnetic fields where these human exposures are intermittent, recurrent, and may extend over a significant portion of the lifetime of the individual."

*"Epidemiological studies have evaluated ELF and radiofrequency fields as possible risk factors for human health, with historical evidence relating rising risks of such factors as progressive rural electrification, and more recently, to methods of electrical power distribution and utilization in commercial buildings. Appropriate models describing these bioeffects are based in nonequilibrium thermodynamics, with nonlinear electrodynamics as an integral feature. Heating models, based in equilibrium thermodynamics, fail to explain an impressive new frontier of much greater significance. Though incompletely understood, tissue free radical interactions with magnetic fields **may extend to zero field levels.**"*

Our society appears determined to make everything wireless, and the consequence is to increase cumulative exposure to RFR. Many homes and almost every Starbucks or McDonalds has WiFi. Smart phones, tablets, video iPods and other wireless devices are even given to children as playthings. The result is a significant increase in cumulative RFR **exposure of the whole population**, but particularly of those who have and use **wireless devices for prolonged periods of time**. No national or international standard of RFR exposure considers cumulative effects, all being developed to avoid local tissue heating from acute exposures.

The issues around exposure of children to RFR is of critical importance. There is overwhelming evidence that children are more vulnerable than adults to many different exposures (Sly and Carpenter, 2012), including RFR, and that the diseases of greatest concern are cancer and effects on neurodevelopment. Yet parents place RFR baby monitors in cribs, **provide very young children with wireless toys**, and give cell phones young children, usually without any knowledge of the potential dangers. A growing concern is the movement to make all student computer laboratories in schools wireless. A wired computer laboratory will not increase RFR exposure, and will provide safe access to the internet.

An urgent example for the need to address **the lack of adequate public protection from inadequate safety standards for pulsed RFR exposures is the rapid, global rollout of wireless utility meters ('smart' meters for electricity, gas and water meters)**. Current safety standard calculations that rely on time-averaging of RFR almost entirely dilute out the power density of RFR levels that are delivered in millisecond bursts, but occur at intervals of every second, or multiple times per second when in use within a wireless mesh network. Said differently, the RFR power density levels are usually legal. While there have been no long term studies of **adverse effects of smart meters on human health** (primarily because they are so new), there are increasing reports from electrosensitive individuals of harm. Added together, these RFR pulses that now appear to be a highly bioactive agent but are essentially erased or made energetically invisible by time-averaging the pulses as current FCC safety rules mandate. **The wireless meters transmit RF signals like a mini-cell tower antennas** in the cell phone radiation frequencies. Currently, they are being deployed in the US and are on the drawing boards around the world including

many European countries. The 'smart meter' infrastructure represents the largest single commercial saturation of living space with pulsed RFR yet rolled out by industry. This program places a wireless device (like a mini-mobile phone base station) on the wall, replacing the electromechanical (spinning dial) meter. They will be installed on every home and classroom (every building with an electric meter). Utilities from California to Maine have installed tens of millions already, despite health concerns of experts who already are seeing thousands of health complaints.

The wireless meters produce spikes of pulsed radiofrequency radiation on a continuous basis (24/7), and in typical operation, will saturate living space at levels that can be much higher than already reported to cause bioeffects and adverse health effects for some people. These meters, depending on where they are placed relative to occupied space in the home or classroom, can produce RFR exposure levels similar to that within the first 100 feet to 600 feet of a mobile phone base station (cell tower). In the not-so-distant future the plan is to have a wireless device implanted in every household appliance, which will communicate with the smart meter whenever electricity is being used. This will likely make the kitchen a major source of exposure to RFR.

The cumulative RFR burden within any community is largely unknown. Both involuntary sources (like cell towers, smart meters and second-hand radiation from the use of wireless devices by others) plus voluntary exposures from ones' personal use of cell and cordless phones, wireless routers, electronic baby surveillance monitors, wireless security systems, wireless hearing aids, and wireless medical devices like implanted insulin pumps all add up. No one is tallying up the combined exposure levels. Billions of new RFR transmitters from a global smart meter rollout will significantly add to the existing RFR **body-burden of pulsed RFR for millions of people**. The health concerns are the same as with all other sources of EMF/RFR. **Cancer is a serious adverse effect**, but damage to **male reproduction and central nervous system** effects may result from even lower levels of exposure.

The work by Strogatz (2001, 2003) and Buzsaki (2006) on weak-field effects on non-linear biological oscillators (brain waves and synchronization of neural activities that regulate body processes) is directly relevant to an understanding of the profound biological disruptions and health symptoms that continued exposures of pulsed RFR may produce.

The Commons of the Air

Turning to questions of **social equity and the individuals' choice not to be exposed to harmful levels of environmental toxins**, there has been little inclusion of the public in discussions of wireless radiofrequency exposure. Wireless technologies have become infused in daily habits of billions of people; often choices for wired equivalents are lacking (or those that exist are disappearing). Involuntary exposure to EMF and RFR is becoming more the norm, even where it runs counter to individual choice (second-hand radiation, like second-hand smoke is difficult to avoid).

*"Wireless technologies drive electromagnetic energy through our air, into and through virtually all indoor and outdoor living environments. The protective air cushion around our planet holds breathable air, buffers us from space radiation, and supports and sustains life in tandem with **the natural electromagnetic signature of the earth itself**. We are changing this 'commons of the air' in major ways. Wireless signals from broadcast and communications technologies are crowding out and overpowering the natural background. **The 'commons of the air' is being altered in unprecedented ways that have enormous consequences for life on earth.**" (Sage, 2010).*

The rush to 'buy the airwaves' and to market them for commercial purposes is loading 'the commons of the air' with unsustainable levels of exposure (Sage, 2010). Commercial markets for wireless spectrum successfully lobby government regulators to allocate even more spectrum, once the existing frequencies are allocated. Sage (2010) asks:

*"Who owns the 'commons of the air'? Who should be allowed to pollute it? What are the limits? On what basis should carrying capacity be defined? Who defines the limits? Do these limits conserve the resource for the future? Do they protect public health and welfare, and the health and well-being of other living things on earth? Who bears the burden of proof of safety or of harm? How should the 'new commons' be managed for the greater good? Do we know enough to act responsibly? **Who decides?** When should limits be placed on utilization?"*

With no regard to cumulative harm, **this commercial rush to buy up wireless spectrum territorial rights has vast implications for public health and well-being.** Environmental protections afforded to other natural resources under the National Environmental Policy Act have been ignored. The cumulative impacts and irretrievable commitments on humans, wildlife, and natural resources have never been assessed.

"Societies must now define carrying capacity for chronic electromagnetic and wireless exposures. Taking into account the large individual variability to withstand it, new limits must conserve and sustain the 'commons of the air' so that is sustainable for all—and this includes sensitive populations, the young, the elderly, and those with existing sensitivity. Some countries of the world already have **surpassed sustainable wireless exposure levels** as demonstrated by significant percentages that have already become electrosensitive." (Sage, 2010)

Homeostasis and Human Health Rights

Chronic exposure to low-intensity RFR and to ELF-modulated RFR at today's environmental levels in many cities will exceed thresholds for increased risk of many diseases and causes of death (Sage and Huttunen, 2012). RFR exposures in daily life alter homeostasis in human beings. These exposures can **alter and damage genes, trigger epigenetic changes to gene expression and cause de novo mutations that prevent genetic recovery and healing mechanisms.**

These exposures may interfere with normal cardiac and brain function; alter circadian rhythms that regulate sleep, healing, and hormone balance ; impair short-term memory, concentration, learning and behavior; provoke aberrant immune, allergic and inflammatory responses in tissues; alter brain metabolism; increase risks for reproductive failure (damage sperm and increase miscarriage risk); and cause cells to produce stress proteins.

Exposures now common in home and school environments are likely to be **physiologically addictive** and the effects are particularly serious in the young (Sage and Huttunen, 2012). This declaration of human health rights below (Sage and Huttunen, 2012) is based on specific reference to health impacts of EMF and RFR that are reasonably well established to occur (Sage and Carpenter, 2009).

24.5 An Open Letter on 5G To ARPANSA In Response To Their Press Statement

June 6, 2019

<https://stopsmartmeters.com.au/2019/06/12/an-open-letter-to-arpansa-in-response-to-their-media-statement/>

A few days ago ARPANSA- the Government body responsible for the standards and guidelines regulating the rollout for 5G in Australia, published the following facebook post.

Do you need the facts on #5G?

Not from you, ARPANSA, given you refuse to publish up to date science and research. I prefer to get my facts from truly independent scientists and actual experts in this area.

There is a lot of concerning misinformation circulating throughout the community about the possible impacts of Australia's planned roll-out of the 5G mobile network.

Yes there is, much of the misinformation being published by you, there are also many facts and genuine scientific literature circulating in relation to the planned roll-out of the 5G network, which is more than anyone can say for you.

5G technology runs on radio waves which are already used for a range of telecommunications systems. There are no established health effects from the radio waves that 5G uses.

ARPANSA and the World Health Organization (WHO) are not aware of any well-conducted scientific investigations where health symptoms were confirmed as a result of radio wave exposure in the everyday environment.

I know that you know there are thousands of peer reviewed studies showing non-thermal biological health effects from radio waves.

Surely you also know that in 2011, on the basis of the scientific research executed after the cell phones were deployed for civilian use, the group of 30 experts invited by the WHO's International Agency for Research on Cancer (IARC) has classified cell phone radiation, and any like-radiation, as a possible human carcinogen (category 2B in IARC scale).

After the IARC classification made in 2011, several new scientific studies were published that appear to strengthen the notion that the wireless radiation is not only a possible carcinogen but that it might/should be re-classified as a probable human carcinogen (category 2A in IARC scale).

More info from Dariusz Leszczynski PhD and IARC: Invited Expert to Working Group on Non-Ionizing Radiation (RF fields). Lyon, France, May 2011 [in this post](#).

I have read the letter that Professor Martin Pall sent to you, that you still haven't replied to.

Read the [full letter here](#).

Where he states

"It should be clear that independent scientists and physicians know that these safety guidelines (ARPANSA), which do not take into account the many thousands of studies on non-thermal EMF effects, have no connection with the genuine scientific literature."

Professor Martin L Pall refers to his 90 Page document 5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by

Electromagnetic Field (EMF) Exposures and the Mechanism that Causes Them. Which you can read in full here.

Chapter 1 contains 8 different EMF non-thermal each of which is very extensively documented in from 12 to 35 different review articles, each of which provides a substantial body of evidence showing that one of these effects do occur following non-thermal EMF exposures.

These effects are as follows:

1. Lowered fertility, including tissue remodeling changes in the testis, lowered sperm count and lowered motility and other measures of lowered sperm quality, lowered female fertility including ovarian remodeling, oocyte (follicle) loss, lowered estrogen, progesterone and testosterone levels (that is sex hormone levels), increased spontaneous abortion incidence, lowered libido (18 reviews).
2. Neurological/neuropsychiatric effects including sleep disturbance/insomnia; fatigue/tiredness; headache; depression/depressive symptoms; lack of concentration/attention/cognitive dysfunction; dizziness/vertigo; memory changes; restlessness/tension/anxiety/stress/agitation; irritability (25 reviews).
3. Effects on cellular DNA including single strand and double strand breaks in cellular DNA and on oxidized bases in cellular DNA; also evidence for chromosomal mutations produced by double strand DNA breaks. These produce all of the important type of mutations, as described at the DNA level that have roles in cancer causation and in human whole organism mutation (21 reviews).
4. Apoptosis/cell death (an important process in production of neurodegenerative diseases that is also important in producing infertility responses) (13 reviews).
5. Oxidative stress/free radical damage (important mechanisms involved in almost all chronic diseases; direct cause of cellular DNA damage) (19 reviews).
6. Endocrine, that is hormonal effects; Includes changes in non-steroid and also steroid hormones (12 reviews).
7. Increased intracellular calcium levels, thought to be the cause in all other effects (15 different reviews).
8. Cancer including initiation, promotion and progression, further including tumor progression, tissue invasion and metastasis) (35 reviews).

We have here, a total of **158 bodies of evidence each showing that non-thermal exposures cause an important health-related effect**. These 8 different non-thermal effects are not the only effects being produced. Because many of these reviews provide bodies of evidence on the occurrence of more than one health-related effect, there are fewer than 90 actual review articles listed here. These 158 bodies of evidence individually provide strong evidence against the claims of the unsigned ARPANSA letter and collectively provide **massive amounts of evidence that the undocumented ARPANSA claims of no non-thermal effects are completely false**. ARPANSA and also other agencies supposed to provide expert information and advice on EMF effects, including **ICNIRP, SCENIHR and WHO have systematically avoided** citing and discussing these review articles and the 158 bodies of evidence within them, grossly avoiding their professional responsibilities to provide an objective assessment of the relevant scientific literature. This is shown in Chapters 5 and 6 of my 90 page document, as well as in the third attachment to this message, which critiques the 2018 ICNIRP draft.

And summarises

"With 100% consistency, ARPANSA avoids all of the strongest available science in this area.

With 100% consistency, ARPANSA has produced a stunningly biased document, whose positions are repeatedly and consistently contradicted by the strongest science and by large numbers of independent scientists.

With 100% consistency, ARPANSA has failed to protect the health and safety of the people of Australia.

With 100% consistency, ARPANSA has protected the economic interests of the telecommunications industry."

I have read the letter that ORSAA have sent to you, and your response where you continue to refuse to acknowledge current science and research.

Victor Leach one of the members of ORSAA is a scientist and radiation expert of 40 years and used to work for what is now ARPANSA, so is very qualified to comment on the matter.

This letter concluded

"ARPANSA has ignored a large evidence base that challenges their position. The scientific evidence we have collated, presented and made publicly available demonstrates that there are biological/health effects occurring at exposures well below the ARPANSA standard. Therefore, ARPANSA's claim that there is "no substantiated evidence that RF exposure at levels below the limits of the ARPANSA Standard causes harm to humans" is misleading. A risk management approach should be adopted urgently for RF-EMR with ALARA as the mainstay of this plan. Wireless technology is not risk-free as implied by ARPANSA's claim of "no established evidence of harm". Australians need to be informed of the risks so that they can make informed decisions when it comes to the use of wireless technology, particularly with regards to more vulnerable groups such as children."

Honestly ARPANSA, by making the statement

"5G technology runs on radio waves which are already used for a range of telecommunications systems. There are no established health effects from the radio waves that 5G uses."

You are now heading into seriously dangerous territory. You have been shown the research time and time again, you refuse to publish, acknowledge it or change your position and frankly you are putting the public in grave danger.

It is completely unacceptable and I fear that you may be liable in the future for refusing to do your job as a protection and safety agency. Why won't you protect us and keep us safe? This is quite literally your job.

Need more evidence? Despite the fact I KNOW you have been sent this information time and time again.

Start with the ORSAA database for over 3000 of these studies.

<https://www.orsaa.org/orsaa-database.html>

ORSAA goal is to provide an independent perspective on the science relating to electromagnetic radiation and human exposure.

ORSAA is an independent organisation, not linked to any industry or government organisation.

Then dive into these studies

<https://ehtrust.org/scientific-research-on-5g-and-health/>

<https://bioinitiative.org/> – 4000 studies

<http://www.justproveit.net/> – 1168 studies

<https://www.emf-portal.org/en> – 23,840 studies

<https://www.powerwatch.org.uk/> – 1,032 studies

Plus this study which cost \$25 million by the U.S. National Toxicology Program (NTP) clearly show that biological impacts occur at non-thermal exposures like those that take place from cell phones today. <https://ehtrust.org/clear-evidence-of-cancer-concludes-the-expert-panel-to-the-us-national-toxicology-program-on-cell-phone-radiation-study-findings/>

The regulator for the rollout of 5G is the ACMA Australian Communications and Media Authority, who refers to the standards and guidelines published by ARPANSA.

I enjoy your feeble attempt at trying to sidestep responsibility and pass the buck to ACMA here.. but you said yourself, they refer to your standards and guidelines, so sort your lives out and update them based on the CURRENT science and research.

ARPANSA is a government agency that works separately from other parts of government, and is not funded by industry.

Interesting, so why then on your very own website does it state

The 2007 – 2013 survey of mobile phone base station EME levels was carried out by ARPANSA with financial support from the Mobile Carriers Forum (MCF), a division of the Australian MobileTelecommunications Association (AMTA) the peak industry body for the telecommunications industry.

I also refer to the 2001 Senate Inquiry which shows that industry corruption is absolutely rife.

Be cautious of claims from anti-5G campaigns – we have seen increasing misinformation about health effects, our role, and 5G or radio waves generally.

Be cautious of claims from ARPANSA who have a complete disregard for their role to protect and keep the Australian public safe. We have seen increasing **misinformation from them ignoring health effects, not fulfilling their role as a protection agency and radio waves in general.**

Our concerns and fears are well founded.

24.6 Bill Gates Foundation's COVID-19 Vaccine is a Satanic Plot says Oscar-Winner



[Lucas Cacioli](#) May 04, 2020 14:153 Min Read



Microsoft's recent patent for a [human powered crypto mining system](#) based on sensors that convert physical or mental activity into computer power has generated a lot of interest and captured the imagination of the public, but perhaps some are looking at it a little too closely.

Nikita Mikhalkov, the Oscar-winning Russian director, recently [unleashed his own](#)

[conspiracy](#) after taking a closer look at the [patent number for Microsoft's crypto mining system](#) - [WO/2020/060606](#). Appearing on an episode of 'Besogan TV', Mikhalkov was adamant that the patent is the first step in a satanic plan to microchip the entire global population and it was clear to him by the appearance of the devil's number "666" in the patent application.

On the program, Mikhalkov was quoted, "The 060606 part is somewhat alarming. You probably understand this, right? Is this a coincidence or an intentional selection of such a symbol, which in the Apocalypse of John is called the 'number of the beast' – the 666."

Mikhailov's Revelation

Bill Gates and his foundation have been popping up regularly in the media since the coronavirus pandemic began, determined to help the world by **developing and distributing a vaccine** to the global population.

In a [blog post](#) on April 30, Bill Gates wrote, "We need to manufacture at least **7 billion doses** of the vaccine." He said the vaccines should be distributed "as soon as the first batch is ready to go.

While Gates has been commended by most for his proactive efforts, Mikahlkov has claimed that the coming COVID-19 vaccination distributed by the Bill Gates Foundation will be a **trojan horse** for a microchip in an insidious scheme to enslave the world.

The Academy award winning director has even named Herman Graf, the Head of Russian bank Sberbank, as a co-conspirator.

While Mikhalkov's conspiracy seems outlandish, it is convincing enough for former Tennis champion and now Russian politician Marat Safin who has shown support for the director's theory.

It is unclear what part Mikhalkov believes the sensor-based cryptocurrency mining system developed by Microsoft will play in the satanic conspiracy beyond its curious filing number, as the project makes no mention of microchips. The patent was also published in the United States under the far less sinister number - [US20200097951](#).

Bill Gates Predicts Coronavirus Five Years Ago

As the conspiracy goes viral, many have also highlighted a video of Bill Gates giving a Ted talk entitled, "[The next outbreak? We're not ready.](#)" In the presentation from nearly five years ago, Bill Gates predicts the upcoming pandemic and warned that it would push our civilization to the brink.

A prophecy revealed by Lucifer himself perhaps, or just one of the greatest minds focused on predicting solutions to world problems that haven't occurred yet? He kind of has a history of doing that.

The episode of Besogan TV featuring the Russian director was initially removed from the local Russian TV channel's schedule. The episode was later posted online following protests of censorship by Mikhalkov, and the video went on to achieve close to a million views in one day.

Click here for Bill Gates' [response](#) to the COVID-19 Conspiracy.

25.0 MICROCHIPS 060606 IMPLANTS⁶⁵

25.1 Bill Gates Seeks to Microchip Humanity!⁶⁶

'Bill Gates seeks to Microchip Humanity!' Russian Oscar-winning director Pushes Vaccine Conspiracy... loosely-based on REAL patent

Russian director Nikita Mikhalkov claims billionaire Bill Gates might be seeking to **implant** humanity with **microchips under the guise of vaccination**, seeking to control people and ultimately "solve" overpopulation.

The ongoing coronavirus crisis has produced a number of wild conspiracy theories, as some are trying to find the "secret" reasons behind the pandemic. A handful of them revolve around Microsoft co-founder Bill Gates and his efforts to develop a vaccine against Covid-19.

One Microsoft patent that recently received international recognition has been found by many 'truth-seekers' to be particularly alarming. **The patent WO/2020/060606** describes a "Cryptocurrency system using **body activity data**" – basically, a device which can be used to **'mine' some digital coins using one's body**. Or, rather, "award cryptocurrency to the user whose body activity data is verified," as the patent abstractly puts it.

The patent did not escape Nikita Mikhalkov, renowned Oscar-winning film director, who pushed quite a theory in a new issue of 'Besogon TV' (roughly translated as 'demon banisher', dubbed, 'In whose pocket the state is?' The episode was aired by the Rossiya 24 TV channel on Friday, but was then quietly taken down from its schedule and not repeated – something Mikhalkov has taken for an act of "censorship."

Mikhalkov claims the very name of the patent has an occult meaning in it, accusing Gates of actually seeking to implant humans with microchips to control them, and tying it to his potential vaccination program.

⁶⁵ <http://www.conspiracytruths.co.uk/microchipimplants.html>

⁶⁶ <https://davidicke.com/2020/05/05/bill-gates-seeks-microchip-humanity-russian-oscar-winning-director-pushes-vaccine-conspiracy-loosely-based-real-patent/>

25.2 Bill Gates, Vaccinations, Microchips and Patent 060606⁶⁷

*Note: The patent WO/2020/060606 registered on 26 March 2020. The patent application was filed by Microsoft Technology Licensing, LLC, headed by Bill Gates, back on 20 June 2019, and, on 22 April 2020, the patent was granted international status. The title of the patent is "Cryptocurrency system using body activity data". This is about the microchipping of humanity. This opens up a world to 5G frequency directed at the human body chip. The chip is inserted into the body to monitors a person's daily physical activity in return for cryptocurrency. This uses money to affect behaviour. The words "monkey see monkey do". Although inserting microchips into the body is nothing new – the **Masonic** Youth Child Identification Program has been in operation in the US for a while, and people calling themselves cyborgs exhibit various implants – And why has the patent been given the code number 060606? Is it a coincidence or the deliberate choice of what is referred to in the Book of Revelation as the number of the beast? This is ominous. Moreover, Bill Gates' company is involved in another project – the digital ID project ID2020 Alliance. On the website's homepage, it says that the project has been addressing the issue of digital rights since 2016. In 2018, the Alliance worked with the United Nations High Commissioner for Refugees. Besides Microsoft, the Alliance includes the Rockefeller Foundation, the design studio IDEO.org, the consulting firm Accenture, and Gavi, the Vaccine Alliance – a company that actively promotes and distributes various vaccines around the world. The Secretariat for the Alliance is in New York. Gavi, the Vaccine Alliance mostly covers countries in Africa and Asia. In Europe, the organisation is active in Albania, Croatia, Moldova and Ukraine, and, in the Caucasus, in Georgia, Armenia and Azerbaijan. Gavi, the Vaccine Alliance is funded by Bill & Melinda Gates Foundation, the World Bank Group, the World Health Organization, and UNICEF. These are founding partners! Gavi, the Vaccine Alliance is focusing on the coronavirus pandemic. The organisation's CEO is Dr Seth Berkley of Gavi, the Vaccine Alliance is in Geneva, Berkley himself, an epidemiologist by training, is from New York. Since the late 1980s, he has spent eight years working at the Rockefeller Foundation and is a fellow at the Council on Foreign Relations. He is an advisory council member of the Acumen Fund. They are trying to play the role of a supranational government justified by the belief national governments cannot cope with epidemics, illnesses, famines, etc. single-handed. But, as China has shown, they can.*

So, what is this invention that the people at Microsoft decided to patent? The abstract of the patent application **online states**: "Human body activity associated with a task provided to a user may be used in a mining process of a cryptocurrency system."

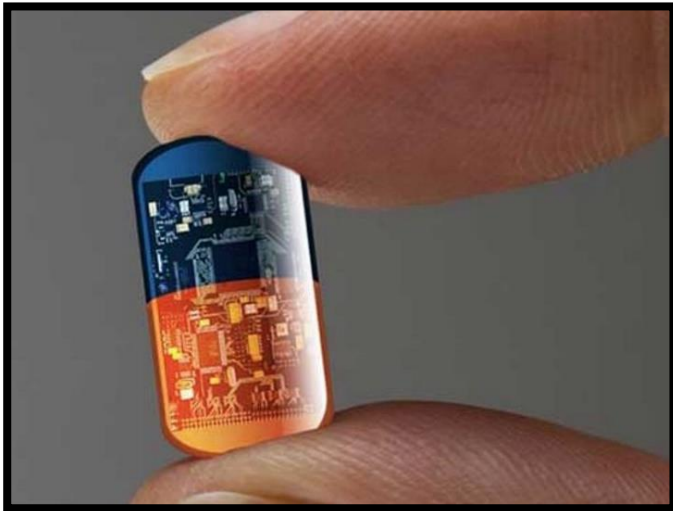
There are many conspiracy theories – some believe that reptilians are running the US government and others believe that Coca-Cola uses the blood of Christian babies to produce its soft drinks. There are people who have seen "chemtrails" and others who advocate wearing tinfoil hats when watching television to protect from destructive brainwashing waves. Often, the prophecies of Scripture are interpreted as a commentary on some technological discovery or event. But there are also rational facts that it doesn't make sense to deny because they are documented. These include the existence of the Bilderberg club, the CIA's MK-Ultra project, and George Soros' funding of dubious political activities in a number of countries.

The case described below relates to an officially documented fact, although there is something rather biblical about it. Patent WO/2020/060606 was registered on 26 March 2020. The patent application was filed by **Microsoft Technology Licensing, LLC, headed by Bill Gates**, back on 20 June 2019, and, on 22 April 2020, the **patent was granted international status**. The title of the patent is "Cryptocurrency system using body activity data".

So, what is this invention that the people at Microsoft decided to patent? The abstract of the patent application **online states**: "Human body activity associated with a task provided to a user may be used in a mining process of a cryptocurrency system. A server may provide a task to a device of a user which is communicatively coupled to the server. A sensor communicatively coupled to or comprised in the device of the user may sense body activity of the user. Body activity data may be generated based on the sensed body activity of the user."

The cryptocurrency system communicatively coupled to the device of the user may verify if the **body activity data satisfies one or more conditions** set by the cryptocurrency system, and award cryptocurrency to the user whose body activity data is verified."

⁶⁷ <https://orientalreview.org/2020/04/29/bill-gates-vaccinations-microchips-and-patent-060606/>



In other words, a chip will be inserted into the body that **monitors a person's daily physical activity in return for cryptocurrency**. If conditions are met, then the person receives certain bonuses that can be spent on something.

A detailed **description** of the "invention" provides **28 concepts** for how the device could be used.

It also provides a list of countries for which the invention is intended. Essentially, this is all the members of the United Nations and a few regional organisations specified separately – the **European Patent Office**, the Eurasian Patent Organization, and two African intellectual property protection organisations.

Although inserting microchips into the body is nothing new – the **Masonic Youth Child Identification Program** has been in operation in the US for a while, and people calling themselves **cyborgs** exhibit various implants – Microsoft's involvement is interesting. And why has the patent been given the code number 060606? Is it a coincidence or the deliberate choice of what is referred to in the Book of Revelation as the **number of the beast**?

Bill Gates' name is **constantly being mentioned** these days in connection with his interests in **pharmaceutical companies, vaccinations, and WHO funding**. Although the globalist media try to highlight Bill Gates as a great philanthropist and protect him from attacks and criticism in every way possible, it is unlikely they'll be able to conceal a whole web of connections.

Bill Gates' company is involved in another project – the digital ID project **ID2020** Alliance. On the website's homepage, it says that the project has been addressing the **issue of digital rights** since 2016. In 2018, the Alliance worked with the United Nations High Commissioner for Refugees. Besides **Microsoft**, the Alliance includes the **Rockefeller Foundation**, the design studio **IDEO.org** (with offices in San Francisco and New York), the consulting firm **Accenture**, and **Gavi**, the Vaccine Alliance – a company that actively promotes and distributes various vaccines around the world. The Secretariat for the Alliance is based in New York.



It is telling that Gavi, the Vaccine Alliance mostly covers countries in Africa and Asia. In Europe, the organisation is **only active** in Albania, Croatia, Moldova and Ukraine, and, in the Caucasus, in Georgia, Armenia and Azerbaijan. **Gavi, the Vaccine Alliance also has links with the Bill & Melinda Gates Foundation, the World Bank Group, the World Health Organization, and UNICEF. These are all listed as founding partners!**

Since February **2020**, Gavi, the Vaccine Alliance has been focusing on the **coronavirus pandemic**. The organisation's CEO is Dr Seth Berkley. Although the headquarters of Gavi, the Vaccine Alliance are in Geneva, Berkley himself, an epidemiologist by training, is from New York. Since the late 1980s, he has spent eight years working at the Rockefeller Foundation and is a fellow at the Council on Foreign Relations. He is also an advisory council member of the New York-based **Acumen** Fund.

So, yet another link has been found. Theological interpretations of the patent number are probably best left to experts on religion, but it is clear that there are strong links between organisations and companies like the Rockefeller Foundation, Microsoft, the pharmaceutical lobby and the World Bank Group, not to mention secondary service providers. They are trying to play the role of a supranational government by constantly focusing on the fact that, these days, national governments cannot cope with epidemics, illnesses, famines, etc. single-handed. But, as China has shown, they can. The West cannot and does not want to acknowledge this, however, largely because it **does not want to share power**. So, the globalist media will continue their information campaigns, where the blame will be placed anywhere but on the West. It is telling that right now, as additional information on the coronavirus has started to emerge, false stories on China's role in the epidemic have been stepped up and statistics **manipulated**.

25.3 Microsoft patent # 060606 cryptocurrency system using humans chipped as “Miners”.

April 18, 2020 Q Bill Gates, cryptocurrency, Ethics, Microsoft, patent # 060606, VIDEO

<https://thewatchtowers.org/microsoft-owns-international-patent-060606-a-cryptocurrency-system-using-humans-who-have-been-chipped-as-the-miners/>

Microsoft Patent 060606 – Body interfaced digital currency



What are the chances a device on the body that is used for digital translations would have a patent number **060606**?

Also, Microsoft patented this on March 26th of this year.

The full patent id is WO/2020/060606.

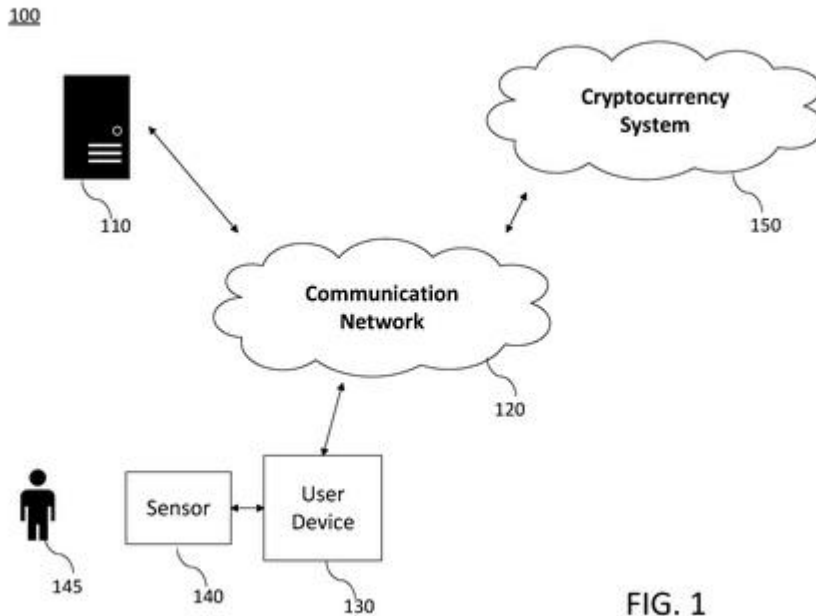


FIG. 1

THE BLACK BOX (COMPUTERS) GIVES THE HUMAN A DEVICE "COUPLED" TO THEIR BODY WITH A NUMBERED CRYPTO CURRENCY WALLET. THE PERSON IS MONITORED AND COMMUNICATED WITH OVER THE INTERNET VIA THE "COUPLED" DEVICE TO THEIR BODY. A PERSON IS GIVEN CREDITS / MONEY / CRYPTOCURRENCY BASED ON THE BODIES MOVEMENTS (PHYSICAL COMPLIANCE, LABOUR, MOVEMENTS) WITH WHICH YOU CAN THEN USE TO BUY AND SELL....

From the Patent:

"Human body activity associated with a task provided to a user may be used in a mining process of a cryptocurrency system. A server may provide a task to a device of a user which is communicatively coupled to the server. **A sensor communicatively coupled to** or comprised in the device of **the user** may sense **body** activity of the user. Body activity data may be generated based on the sensed body activity of the user. The cryptocurrency system communicatively coupled to the device of the user may verify if the body activity data satisfies one or more conditions set by the cryptocurrency system, and award cryptocurrency to the user whose body activity data is verified."

Okay, this is creepy. Mark of the beast?

But read for yourself. Here is the link to the patent:

[WO2020060606 CRYPTOCURRENCY SYSTEM USING BODY ACTIVITY DATA patentscope.wipo.int](https://patentscope.wipo.int/WO2020060606_CRYPTOCURRENCY_SYSTEM_USING_BODY_ACTIVITY_DATA)

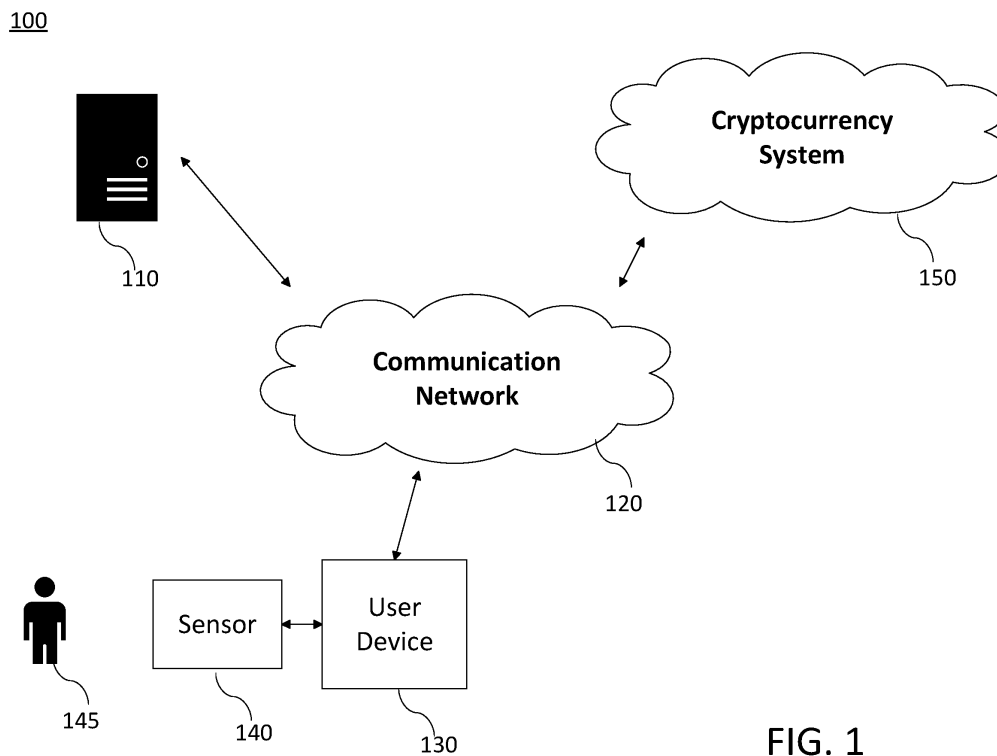


FIG. 1

International Patent: wo/2020/060606 * cryptocurrency system using body activity

Applicants: Microsoft Technology Licensing, LLC

Again read this abstract.

Abstract: "Human body activity associated with a task provided to a user may be used in a mining process of a cryptocurrency system. A server may provide a task to a device of a user which is communicatively coupled to the server. A sensor communicatively coupled to or comprised in the device of the user may sense body activity of the user. Body activity data may be generated based on the sensed body activity of the user. The cryptocurrency system communicatively coupled to the device of the user may verify if the body activity data satisfies one or more conditions set by the cryptocurrency system, and award cryptocurrency to the user whose body activity data is verified."





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[Bill Gates' Quantum Dot Digital Tattoo Implant to Track COVID-19 Vaccine Compliance](#) | Saved Magazine

Microsoft founder Bill Gates announced on March 18, 2020 during a "Reddit 'Ask Me Anything' session" that he is working on a new, invisible "quantum dot tattoo" implant that will track who has been tested for COVID-19 and who has been vaccinated against it.

WATCH | Bill Gates on the Covid-19 vaccine: "You Don't Have A Choice"

<https://thewatchtowers.org/bill-gates-quantum-dot-digital-tattoo-implant-to-track-covid-19-vaccine-compliance-saved-magazine/>

WATCH | Bill Gates on the Covid-19 vaccine: "You Don't Have A Choice"

BILL GATES HIRED MARINA ABRAMOVIC "HUMAN SPIRIT COOKER" FOR HOLOLENS PROMO ! ANY QUESTIONS?

BILL GATES HIRED MARINA ABRAMOVIC "HUMAN SPIRIT COOKER" FOR HOLOLENS PROMO ! ANY QUESTIONS?

["Lockstep"](#) Written 10 years ago chronicles how to bring the world down with a pandemic | This report was produced by The Rockefeller Foundation

[Tweets by @NewsAlternative](#)

25.4 Microchips by Former Chief Medical Officer, Finland

By Rauni-Leena Luukanen-Kilde, MD
Former Chief Medical Officer of Finland
December 6, 2000

In 1948 Norbert Wiener published a book, *Cybernetics*, defined as a neurological communication and control theory already in use in small circles at that time. Yoneji Masuda, "Father of the Information Society," stated his concern in 1980 that our liberty is threatened Orwellian-style by cybernetic technology totally unknown to most people. This technology links the brains of people via implanted microchips to satellites controlled by ground-based supercomputers.

The first brain implants were surgically inserted in 1974 in the state of Ohio, USA and also in Stockholm, Sweden. Brain electrodes were inserted into the skulls of babies in 1946 without the knowledge of their parents. In the 1950s and 60s, electrical implants were inserted into the brains of animals and humans, especially in the U.S., during research into behavior modification, and brain and body functioning. Mind control (MC) methods were used in attempts to change human behavior and attitudes. Influencing brain functions became an important goal of military and intelligence services.

Thirty years ago brain implants showed up in X-rays the size of one centimeter. Subsequent implants shrunk to the size of a grain of rice. They were made of silicon, later still of gallium arsenide. Today they are small enough to be inserted into the neck or back, and also intravenously in different parts of the body during surgical operations, with or without the consent of the subject. It is now almost impossible to detect or remove them.

It is technically possible for every newborn to be injected with a microchip, which could then function to identify the person for the rest of his or her life. Such plans are secretly being discussed in the U.S. without any public airing of the privacy issues involved. In Sweden, Prime Minister Olof Palme gave permission in 1973 to implant prisoners, and Data Inspection's ex-Director General

Jan Freese revealed that nursing-home patients were implanted in the mid-1980s. The technology is revealed in the 1972:47 Swedish state report, *Statens Officiella Utradning* (SOU).

Implanted human beings can be followed anywhere. Their brain functions can be remotely monitored by supercomputers and even altered through the changing of frequencies. Guinea pigs in secret experiments have included prisoners, soldiers, mental patients, handicapped children, deaf and blind people, homosexuals, single women, the elderly, school children, and any group of people considered "marginal" by the elite experimenters. The published experiences of prisoners in Utah State Prison, for example, are shocking to the conscience.

Today's microchips operate by means of low-frequency radio waves that target them. With the help of satellites, the implanted person can be tracked anywhere on the globe. Such a technique was among a number tested in the Iraq war, according to Dr. Carl Sanders, who invented the intelligence-manned interface (IMI) biotic, which is injected into people. (Earlier during the Vietnam War, soldiers were injected with the Rambo chip, designed to increase adrenaline flow into the bloodstream.) The 20-billion-bit/second supercomputers at the U.S. National Security Agency (NSA) could now "see and hear" what soldiers experience in the battlefield with a remote monitoring system (RMS).

When a 5-micromillimeter microchip (the diameter of a strand of hair is 50 micromillimeters) is placed into optical nerve of the eye, it draws neuroimpulses from the brain that embody the experiences, smells, sights, and voice of the implanted person. Once transferred and stored in a computer, these neuroimpulses can be projected back to the person's brain via the microchip to be reexperienced. Using a RMS, a land-based computer operator can send electromagnetic messages (encoded as signals) to the nervous system, affecting the target's performance. With RMS, healthy persons can be induced to see hallucinations and to hear voices in their heads.

Every thought, reaction, hearing, and visual observation causes a certain neurological potential, spikes, and patterns in the brain and its electromagnetic fields, which can now be decoded into thoughts, pictures, and voices. Electromagnetic stimulation can therefore change a person's brainwaves and affect muscular activity, causing painful muscular cramps experienced as torture.

The NSA's electronic surveillance system can simultaneously follow and handle millions of people. Each of us has a unique bioelectrical resonance frequency in the brain, just as we have unique fingerprints. With electromagnetic frequency (EMF) brain stimulation fully coded, pulsating electromagnetic signals can be sent to the brain, causing the desired voice and visual effects to be experienced by the target. This is a form of electronic warfare. U.S. astronauts were implanted before they were sent into space so their thoughts could be followed and all their emotions could be registered 24 hours a day.

The Washington Post reported in May 1995 that Prince William of Great Britain was implanted at the age of 12. Thus, if he were ever kidnapped, a radio wave with a specific frequency could be targeted to his microchip. The chip's signal would be routed through a satellite to the computer screen of police headquarters, where the Prince's movements could be followed. He could actually be located anywhere on the globe.

The mass media has not reported that an implanted person's privacy vanishes for the rest of his or her life. S/he can be manipulated in many ways. Using different frequencies, the secret controller of this equipment can even change a person's emotional life. S/he can be made aggressive or lethargic. Sexuality can be artificially influenced. Thought signals and subconscious thinking can be read, dreams affected and even induced, all without the knowledge or consent of the implanted person.

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A perfect cyber-soldier can thus be created. This secret technology has been used by military forces in certain NATO countries since the 1980s without civilian and academic populations having heard anything about it. Thus, little information about such invasive mind-control systems is available in professional and academic journals.

The NSA's Signals Intelligence group can remotely monitor information from human brains by decoding the evoked potentials (3.50HZ, 5 milliwatt) emitted by the brain. Prisoner experimentees in both Gothenburg, Sweden and Vienna, Austria have been found to have evident brain lesions. Diminished blood circulation and lack of oxygen in the right temporal frontal lobes result where brain implants are usually operative. A Finnish experimentee experienced brain atrophy and intermittent attacks of unconsciousness due to lack of oxygen.

Mind control techniques can be used for political purposes. The goal of mind controllers today is to induce the targeted persons or groups to act against his or her own convictions and best interests. Zombified individuals can even be programmed to murder and remember nothing of their crime afterward. Alarming examples of this phenomenon can be found in the U.S.

This "silent war" is being conducted against unknowing civilians and soldiers by military and intelligence agencies. Since 1980, electronic stimulation of the brain (ESB) has been secretly used to control people targeted without their knowledge or consent. All international human rights agreements forbid nonconsensual manipulation of human beings — even in prisons, not to speak of civilian populations.

Under an initiative of U.S. Senator John Glenn, discussions commenced in January 1997 about the dangers of radiating civilian populations. Targeting people's brain functions with electromagnetic fields and beams (from helicopters and airplanes, satellites, from parked vans, neighboring houses, telephone poles, electrical appliances, mobile phones, TV, radio, etc.) is part of the radiation problem that should be addressed in democratically elected government bodies.

In addition to electronic MC, chemical methods have also been developed. Mind-altering drugs and different smelling gasses affecting brain function negatively can be injected into air ducts or water pipes. Bacteria and viruses have also been tested this way in several countries.

Today's supertechnology, connecting our brain functions via microchips (or even without them, according to the latest technology) to computers via satellites in the U.S. or Israel, poses the gravest threat to humanity. The latest supercomputers are powerful enough to monitor the whole world's population. What will happen when people are tempted by false premises to allow microchips into their bodies? One lure will be a microchip identity card. Compulsory legislation has even been secretly proposed in the U.S. to criminalize removal of an ID implant.

Are we ready for the robotization of mankind and the total elimination of privacy, including freedom of thought? How many of us would want to cede our entire life, including our most secret thoughts, to Big Brother? Yet the technology exists to create a totalitarian New World Order. Covert neurological communication systems are in place to counteract independent thinking and to control social and political activity on behalf of self-serving private and military interests.

When our brain functions are already connected to supercomputers by means of radio implants and microchips, it will be too late for protest. This threat can be defeated only by educating the public, using available literature on biotelemetry and information exchanged at international congresses.

One reason this technology has remained a state secret is the widespread prestige of the psychiatric Diagnostic Statistical Manual IV produced by the U.S. American Psychiatric Association (APA) and printed in 18 languages. Psychiatrists working for U.S. intelligence agencies no doubt participated in writing and revising this manual. This psychiatric "bible" covers up the secret development of MC technologies by labeling some of their effects as symptoms of paranoid schizophrenia.

Victims of mind control experimentation are thus routinely diagnosed, knee-jerk fashion, as mentally ill by doctors who learned the DSM "symptom" list in medical school. Physicians have not been schooled that patients may be telling the truth when they report being targeted against their will or being used as guinea pigs for electronic, chemical and bacteriological forms of psychological warfare.

Time is running out for changing the direction of military medicine, and ensuring the future of human freedom.

This article was originally published in the 36th-year edition of the Finnish-language journal SPEKULA (3rd Quarter, 1999). SPEKULA (circulation 6500) is a publication of Northern Finland medical students and doctors of Oulu University OLK (Oulun Laaketieteellinen Kilta). It is mailed to all medical students of Finland and all Northern Finland medical doctors.

http://www.naturodoc.com/library/public_health/microchip_implants.htm

And that was 10 years ago! There is certainly more to look into on microchips, and the advances in the last 10 years have been rapid. We can now see pets, passports, drivers licenses, cars, even wheelie bins being microchipped, and the once 'science fictional' idea of implanting humans with the microchip is well and truly underway. Get informed, say no to the microchip.

26.0 DEMOCRACY

Poem: We the People

We the people of this nation,
 Make a solemn declaration,
 To uphold the human rights of all people,
 For all people are this nation,
 And have the right to be human,
 As there are no refugees
 Only those seeking refuge,
 There are no enemies,
 Only those who we do not know as friends,
 For terrorism is the art of terror,
 And the people can see the industry of terror,
 For the military is complex,
 Marketed as defence,
 But how can we defend the indefensible?

We The People

Uphold universal values,
 For we value all human and ecological life,
 We the people value principled action,
 For we value the nation not nationalism,
 We value friendship not false mateship,
 We value working together as a team not in servitude,
 We value fairness, equity and a safety net,
 For the safety net is not a mutual obligation,
 It is a mutual understanding that full employment is not
 achievable,
 That demand and supply vary,
 The playing field is not equal,
 And industrial structures and philosophies change,
 For the sign of a true civilization is embedded in the
 treatment of the vulnerable,
 And the fabric of society requires that all members are
 treated equally,
 That the separation of powers is not just a doctrine,
 The Judiciary must be independent and fair,
 The Executive must be accountable and lead,
 And the Parliament must speak as **sovereign** representatives
 with substance
 in Question Time.

We The People

Are monitoring our government with
 Eyes Wide Open.

We The People

Demand democracy as a birth right,
 For we have the freedom to speak,
 For we have the freedom to participate,
 For we have the freedom to challenge the government if we
 disagree,
 For it is not the right of government to dismantle basic
 inalienable freedoms that we fought for,
 In pursuit of the short-sighted profits for the few.

We The People

Only give our consent to be governed if the following
 contractual relationship is *honoured*...

- Only when the Australian Constitution by the people is
 observed to the letter of the law,
- Only when the government improves the living conditions
 for all the people,
- Only when the government serves the real interests of
 the majority of people,
- Only when the government speaks to the people as
 equals and in truth,
- Only when the government works in the interests of all
 the people without masking the vested interests of a
 powerful and foreign minority.

We The People

Expect that justice must be done and be seen to be done,
 That legislation not be used to reduce the power of the
 people,
 And to respect the rule of just laws under God,
 Adhering to international law,
 As we expect our government to honour its international
 commitments and treaties.
 For we are members in one human family,
 A collective of nation states,
 With a shared fate.

We The People

Demand to have clean air, water and soil.

We The People

Expect our elected representatives to protect the next
 generation from slavery and harm,
 To ensure that the generation of energy is not at the
 expense of the environment but free and fair,
 That foods are healthy and fresh,
 That life is balanced in harmony with nature,
 That technology is clean, safe and private,
 That we live within natural earth limits.

Therefore:

Through our actions we value responsibility and
 accountability,
 And demand sustainability for all life.

We The People

Recognise in the current climate that we may be jailed for
 speaking truth to power.

We the people

Recognise in the current climate that media suppression is
 undermining freedom of speech.

We The People

Recognise in the current climate that inhumanities are conducted in our name.

We The People

Recognise in the current climate that human rights are being silently dismantled.

We The People

Recognise that the climate has changed
and we must be the change we wish the world to see,
For the growing *freedom movement* is the new world
reordered,

For the Titanic must be turned around,
Before the ice caps melt,

As government and the people are poles apart,

We must bridge the divide,

We must unite the polarities,

We must live the democracy we prize,

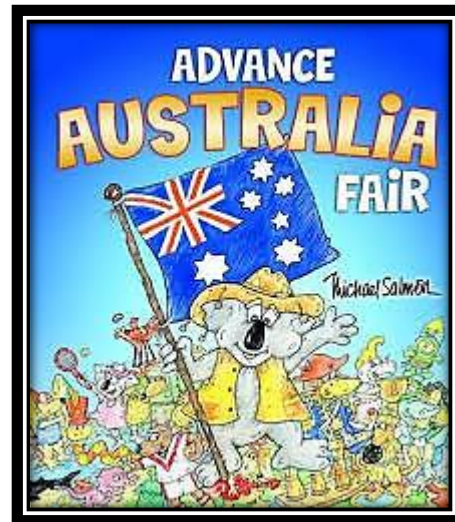
For which each of us is responsible.

We The People

As a renewable national anthem,
For we the people are young and free,
As GDP becomes GNH for the many,
Where gold is soil and shared wealth is plenty,
Sustaining our land abounding in nature's gifts,
For national security is national sovereignty
Renewing our national priority,
As the truth sets us free to be
truly happy.

So with courage,
Let us all combine...

To Advance Australia Fair!



*Note: What happens to our Constitution?
The founding document was not voted in by Referendum!
We are not bound by it.*

The Constitution

*Decisions are to be made by the Australian people as
participants not observers of democracy,
We do not want to lose our sovereignty
Humbly relying on the blessing of all Mighty God,
A campaign of people for the people to include our words,
Politicians are public servants not masters,
We must work to create a mechanism to have a say!
We are no longer silenced at Question Time,
Why not a Citizens Initiated Referendum,
yay or nay for the future of democracy?*

The yay's have it!

By Susan Carew, Canberra, 4am, 2006

26.1 We "the People" Are the Sovereign Authority

The UK Government does not have the power to ASSENT TO BILLS as indicated by a letter from British Foreign Office: "The Parliament of the United Kingdom does not possess the legal authority to assent to Bills within the sovereign territory of the Commonwealth of Australia nor can it delegate any such authority. This would be inconsistent with domestic and international law. The United Kingdom recognises the Commonwealth of Australia as an independent sovereign nation and Member State of the United Nations. The United Kingdom acknowledges that Queen Elizabeth II of Great Britain reigns by the authority of the Act of Settlement 1701. This Act is current legislation of the Parliament of the United Kingdom. It is within the power of the parliament to repeal this Act if and when it so decides." Refer Australia 5b report for the Australian Government as a Corporation. The following are excerpts out of the document Australia Revealed.

This data went before Justice Hayne, J. of the High Court of Australia on 15th December 1998. Justice Hayne stated (off of the record) it was his duty to uphold the current system. He stated that Covering Clause 5 is valid. If this is so, then so are all the other Covering Clauses plus the preamble. The Australian People just lost their sovereignty. He has created a time warp with the Commonwealth of Australia back in time prior to 1st October 1919 as a British Colony....

*The High Court of the Commonwealth of Australia acknowledges that the "Act to Constitute the Commonwealth of Australia" owes its legal force to its character as a statute of the Imperial Parliament and as such its is not a document of sovereignty. The High Court then uses this document as the fundamental document of sovereignty within the Commonwealth of Australia saying that **The People of the Commonwealth of Australia have agreed to be bound by it. No such plebiscite of The People of the Commonwealth of Australia has ever been conducted after the Commonwealth of Australia became an independent sovereign nation.** The Australian Government Solicitor is unable to produce any such document!.*

*Question: Did High Court Judge Anthony Mason allude to the Australia Act as ending legal Sovereignty of the Imperial Parliament to ignore the real ending of sovereignty with the crown on 15/1/1922 and independence on the 1/10/1919 because allegiance is sworn to the Queen as is politicians and other judiciary. Their role becomes defunct if they acknowledge Royal Assent has no legal power? Why is this important today? The Monarchy will end soon. **Foreign interference is removing democracy and sovereignty.***

A centralised Fascist Corporatocracy and global oligarchy is collapsing the world economy to implement a technocracy "Smart Cities" that removes all sovereignty, government, ownership, human rights protections (pedophilia), culture and replaces it with a technocracy where only those of value will thrive. Boris Johnson spoke at the UN of smart devices thinking for us, gathering data, AI, robots as domestic help or culling us (95%). He wasn't joking. The reality of culling is offered in evidence in these reports. Lastly, an important point to make is that in Victoria there was rhetoric around citizens calling themselves "Sovereign Citizens" it was demonised deliberately. The public didn't realise the reality around this strategy. The evidence can be viewed in Australia Report 5b.

The undermining of Citizenship and the right to a say is at the core of the COVID-19 response. There is an Agenda, weakening citizens and bankrupting governments around the world. This is the first step of a bioweapon. Economic collapse is the aim. However, multinationals are thriving as they have insurance and are collaborating with government in public-private partnerships. The World Economic Forum makes that clear.

AUSTRALIA revealed

These are the historical facts and the internationally recognised legal position relating to each historical event in the Australian colonies as it occurred.

New South Wales named by Captain James Cook in 1770.

New South Wales declared a British Colony in the name of His Britannic Majesty, King George III on **26th January** 1788. Sovereignty over British Colonies is vested in the monarch therefore no change in the legal position occurred in 1801 when the United Kingdom was first formed.

On the death of George III of the United Kingdom in 1820, sovereignty over the Colony of New South Wales was vested in the new monarch - George IV. By his death in 1837, the Colony of New South Wales was already divided into three distinct colonies - New South Wales, Van Diemen's Land (Tasmania) and South Australia. On his death sovereignty was transferred to the new monarch Queen Victoria.

- New South Wales was divided into five colonies by 1859.
- Van Diemen's Land (Tasmania) - 1825
- South Australia - 1836
- Victoria - 1850
- Queensland - 1859
- Western Australia - 1829 founded as a separate colony

All colonial boundaries were completed by 1863.

Colonial Constitutions and the source of their relevant authority.

- New South Wales - New South Wales Constitution Act 1855 (UK)
- Victoria - Victoria Constitution Act 1855 (UK)
- Tasmania - Australian Colonies Government Act 1850 (UK) - in 1855
- South Australia - Australian Colonies Government Act 1850 (UK) - in 1856
- Queensland - British Order in Council - in 1859
- Western Australia - Western Australia Constitution Act 1890 (UK)

The colonies had authority to repeal or alter the contents of their constitutions. The United Kingdom Government well aware the colonies could not repeal the Act itself nor repeal any significant part of the Act without removing their own legislative power.

Earl Grey - Colonial Secretary 1846-1852, included **provision for a central Australian authority with limited competence in the first draft of the Australian Colonies Government Act 1850 (UK).** Grey's initiative was strongly criticised in Australia, but **the Sydney and Melbourne** leaders in their draft counter suggestions made similar if vaguer suggestions. The colonists were nearly as suspicious of possible central

Australian authorities however modestly conceived, as they were of control from London. Further attempts by the British Government to develop a centralised system of government in the Australian colonies for the purpose of **mutual defence** were met with stern resistance until the final decade of the nineteenth century when the colonists became perturbed by the continued German and Japanese presence in the Pacific region.

Colonies to a colonial federation and the relevant legal authority.

An "**Act to Constitute the Commonwealth of Australia 1900 (UK)**", the full title of the Commonwealth of Australia Constitution Act, allegedly assented to by Queen Victoria on 9th July 1900, and proclaimed on 17th September 1900, was the legal instrument by which the **colonial federation of the Commonwealth of Australia** became a legal entity. **Queen Victoria** was exercising her lawful sovereignty over the Australian colonies. A prominent Australian QC claims Queen Victoria did not validly give the Royal Assent to the Act, the Proclamation and Letters Patent as required by law as she was too ill. His source is written advice from the House of Lords, *The Constitutional History of England* by Professor F. W. Maitland pages 422 and 423, *English Constitutional History, Second Edition*, by Professor S. B. Craines at page 13. Although Australia was granted a copy of this document by an Act of the United Kingdom Parliament in 1990, this copy does not indicate valid assent.

The preamble of this Act proclaims the **Commonwealth to be "under the Crown of the United Kingdom of Great Britain and Ireland"**. This legal entity ceased to exist as at **15th January 1922** when the **Anglo-Irish Treaty was ratified**. The Attorney-General of Eire states "The United Kingdom was unable to change the preamble because the Commonwealth of Australia was already acknowledged internationally as an **independent sovereign nation**". The **ratification of the Treaty of Versailles** by the parliament of the Commonwealth of Australia is recognised under international law as the date of Australia's independence (Hansard of the Commonwealth of Australia 10th September 1919 - **1st October 1919**).

Under Clause 6 of *An Act to Constitute the Commonwealth of Australia 1900 (UK)* the **colonies ceased** to exist as legal entities. They became States of the Commonwealth of Australia while retaining their original constitutions. **Under Clause 8**, The Commonwealth of Australia remained a colony of the United Kingdom. Queen Victoria died on 22nd January 1901. Sovereignty over the colonial federation of the Commonwealth of Australia passed to her successor - King Edward VII. King George V succeeded him on his death in 1910.

In 1911 a resolution was passed by the Parliament of the United Kingdom changing the **name from the Colony of the Commonwealth of Australia to the Dominion of the Commonwealth of Australia** without change in legal status. (source - British Foreign Office) At midnight on 4th August 1914, King George V declared war on Germany in the name of the British Empire including his Dominion of the Commonwealth of Australia, a colony of the United Kingdom.

As a colony of the United Kingdom, **Australia was excluded** from taking part in signing the **armistice** with Turkey in Palestine on 30th October 1918 and the general armistice with the allies on **11th November 1918** despite an earlier agreement with the UK.

Colonial Federation to Independent Sovereign Nation and the relevant legal authority.

Article IX of the 1917 Imperial War Conference declared the Dominion of the Commonwealth of Australia to be an '**autonomous nation**'. It is doubtful this declaration alone although published internationally possessed the requisite legal power to pass sovereignty from the monarch of the United Kingdom to the Australian People. This conference recognised that "**Constitutional changes were required** with regard to the change in status of the Dominions", however these changes would have to be addressed after the end of the war.

The Commonwealth of Australia signed the ***Peace Treaty of Versailles on 28th June 1919*** as a belligerent nation in its own right - its first act as an independent sovereign nation. Both international and domestic law acknowledges this document as the **legal instrument that transferred sovereignty from King George V to the Australian People**. The Commonwealth of Australia was then an independent, sovereign nation (Hansard **10 Sep 1919 - 1 Oct 1919**). The legal power to enter into international treaties is possessed by sovereign nations alone. The Commonwealth of Australia joined the International Labour Organisation and the League of Nations in 1919, sovereignty being the fundamental requirement for entry.

As at 1st October 1919, the Commonwealth of Australia as a new legal entity ceased to be under the Crown of the United Kingdom of Great Britain and Ireland. The *Treaty of Peace Act 1919* which was assented to on 28th October 1919 incorporated the *Peace Treaty of Versailles* into the laws of the Commonwealth of Australia. Sir Geoffrey Butler KBE, MA and Fellow, Librarian and Lecturer in International Law and Diplomacy of Corpus Christi College, CAMBRIDGE, author of "A Handbook to the League of Nations", made the following statement in 1920. He refers to Article I of the Covenant of the League of Nations.

"It is arguable that this Article is the Covenant's most significant single measure. By it the British Dominions, namely, New Zealand, Australia, South Africa, and Canada, have their independent nationhood established for the first time. There may be friction over small matters in giving effect to this internationally acknowledged fact, but the Dominions will always look to the League of Nations Covenant as their Declaration of Independence." (source - Annotated Covenant of the League of Nations - League of Nations archives - Geneva, Switzerland).

As sovereignty had passed from the King of the United Kingdom, George V, to The People of the Commonwealth of Australia, **the colonial federation of the**

Commonwealth of Australia ceased to exist as a legal entity and became part of Australia's colonial past. The legislation authorising this colonial federation was no longer tenable within the sovereign territory of the Commonwealth of Australia. Because of this, the States too as an integral part of the colonial federation of the Commonwealth of Australia became part of its colonial history as the authority for their existence was now extinct as were their colonial constitutions.

Under the Law of State Succession, the Australian politicians had failed to produce a document of sovereignty following independence. They have continued to use the legally invalid *An Act to Constitute the Commonwealth of Australia 1900 (UK)* as a document of sovereignty contrary to every known legal principle in domestic and international law.

The "*Act to Constitute the Commonwealth of Australia 1900 (UK)*" was legally valid only so long as the Commonwealth of Australia remained a colony of the United Kingdom and the monarch, George V was exercising his lawful sovereignty over the colony. As sovereignty now rested with the Australian People, the current political and judicial system in use in the Commonwealth of Australia is without legal foundation. The colonial federation of the Commonwealth of Australia existed from 9th July 1900 through to 30th September 1919.

The entry below appears in a Commonwealth document titled *Commonwealth Power to Make and Implement Treaties* paragraph 4.13. Other entries in the same document make the point that treaties in the name of the Commonwealth of Australia signed by the government of the United Kingdom are no longer valid.

"After the First World War, Australia was separately represented at the Peace Conference, and the Dominions began to exercise greater powers in the area of external affairs. Australia became an **independent member** of the League of Nations and the International Labour Organisation in 1919. In both these, the Dominions were given separate votes and their representatives were accredited by, and responsible to, their own Dominion Governments, rather than the Imperial Government. They did not always vote in the same manner as Great Britain. This admission to the League and the International Labour Organisation involved recognition by other countries that Australia was now a sovereign nation with the necessary 'international personality' to enter into international relations."

The Commonwealth of Australia became an independent Member State of the League of Nations on the 10th of January, 1920 when the League became part of international law. Declaration of Rights 1921 given by Mr. Lloyd George, Prime Minister of the United Kingdom at the 1921 Imperial Conference. "In recognition of their services and achievements in the war, the British Dominions have now been accepted into the "Comity of Nations" by the whole world. They have achieved full nation status, and they now stand beside the United Kingdom as equal partners in the dignities and responsibilities of the British Commonwealth....."

Similar statements were made in their respective parliaments in 1919 by Sir Robert Borden and General Smuts, respectively, Prime Ministers of Canada and the Union of South Africa.

The **1923 Imperial Conference** held in London declared the "Dominions" were autonomous nations with the power to enter into international treaties. The British Commonwealth of Nations was formed with Great Britain and the Dominions as equal partners in all respects.

The **1929 report of the Royal Commission on the Constitution** stated the same as the 1923 Imperial Conference under the heading: Status of Great Britain and the Dominions. Their position and their mutual relationship may be readily defined. They are autonomous communities within the British Empire, **equal in status, in no way subordinate one to another in any aspect of their domestic affairs**, though united by a common allegiance to the Crown and freely associated as members of the British Commonwealth of Nations.

In 1945 the Commonwealth of Australia became a foundation Member State of the United Nations. The Charter of the United Nations was incorporated into the laws of the Commonwealth of Australia by an Act of the Parliament of the Commonwealth of Australia - **Charter of the United Nations Act 1945 duly assented to on 22nd October 1945**. The current political system in use in the Commonwealth of Australia with assent for all bills signed by the Governor General or State Governors who are the representatives of Queen Elizabeth II or the "Queen of Australia" is quite impossible to uphold historically or legally under British domestic or international law.

Neither King George VI nor Queen Elizabeth II who succeeded him to the throne of the United Kingdom in 1952 has ever held sovereignty over the Commonwealth of Australia, as a colony, a colonial federation or as an independent sovereign nation. Acts assented to in the name of Elizabeth II of the United Kingdom or the "Queen of Australia" are invalid in both British domestic and international law. The United Nations Charter, a superior legal document prevents interference with the sovereignty of a Member State. The Charter also effectively prevents the usage of, and any change to current law of the Parliament of the United Kingdom by the Australian government or the Australian People.

ROYAL ASSENT (source - The Royal line of Succession - Debrett's Peerage, P14 - 17).

"Following the execution of Charles I in 1649, for the first time in its history, Britain did not have a monarch. The British Parliament passed a measure declaring Britain to be a Commonwealth. Britain was a republic until 1660. Finally, in 1701 the Act of Settlement was passed by the British Parliament **granting the status of a British citizen** to the Protestant heirs of Mary II and her husband, William III of the House of Orange. Catholics with better claims to the throne were passed over in accordance with the terms of the Act of Settlement".

“In 1714, George I, the Elector of Hanover became the first king to rule under the 1701 Act of Settlement. Both **George I and George II were regarded in Britain as foreigners**. George III (1760-1820) was the first of this imported lineage to be born in England. The current Royal Family reigns under the terms of this Act. Certainly, it is within the power of the Parliament of the United Kingdom to repeal the Act. The monarch reigns at the pleasure of the Parliament, not as a descendant of a ruling British lineage or divine rule”. As stated by Sir Kenneth McCaw QC, “The monarch in the United Kingdom is a constitutional monarch who occupies the throne by virtue of an Act of Parliament and bears a title conferred by that Act.”

At P15 ' People Versus Power' by Sir Kenneth M. McCaw QC (ISBN 0 03 900161 X).

The monarch and the monarch's representatives (State Governors/Governor General) are limited by the current legislative power of the Parliament of the United Kingdom which under domestic and international law **excludes the right to bestow the power of assent to bills within the sovereign territory of the Commonwealth of Australia**, a Member State of the United Nations, nor can this power of assent be bestowed by a government which is itself subordinate to Clause 9 of an Act that is current domestic legislation of the Parliament of the United Kingdom. **Power of assent is a 'sovereign power' held by the Australian People alone.** Even they cannot bestow this power upon a citizen who is subordinate to the British Parliament. A nation's sovereignty is not negotiable under domestic and international law!

The *Statute of Westminster 1931(UK)*, the *Australia Act 1986(UK)* and the *Australia Act 1986(AUS)* have no legal basis in domestic or international law. As sovereignty rested with the Australian People by 1919, the United Kingdom parliament did not have authority to legislate for Australia even if so requested by the 'parliament' of the extinct colonial federation of the Commonwealth of Australia. *Articles XVIII and XX of the Covenant of the League of Nations (1920-1946)*, invalidates the usage of the laws of Member States within the sovereign territory of other Member States in the same manner as the *Charter of the United Nations (1945-?)* does today - *Articles 2.1,2.4,102 and 103.*

The Office of Legal Affairs of the Secretary General of the United Nations states, “Under international law, the law of a Member State of the United Nations may be used within the sovereign territory of another Member State **only by means of a treaty** duly registered with the United Nations. Any such treaty must not infringe upon the sovereignty of either Member State in accordance with the Charter of the United Nations”.

The **International Court of Justice** in written advice states “The fundamental principle of international law tried and tested since 1872 is that **international law prevails over domestic law.** Where domestic or municipal law is contrary to international law, then **international law takes precedence over domestic or municipal law.** It is a generally accepted principle of international law that in the relations between Powers who are

contracting Parties to a treaty, the provisions of municipal law cannot prevail over those of the treaty”.

A plethora of legal precedence exists relating to the above. Most documents from the International Court of Justice refer to the position of international law with regard to domestic or municipal law. **The Republic of Chile exercised their rights under international law in a recent case in Melbourne.** For once, the Magistrate was aware of the superiority of international law over domestic law and ruled in accordance with it. There is a belief among lawyers in the Commonwealth of Australia that international law applies within domestic law only after the parliament has legislated for same. This belief is erroneous as the above amply demonstrates. *An Act to Constitute the Commonwealth of Australia 1900 (UK) is current domestic law of the Parliament of the United Kingdom.* With respect to the Commonwealth of Australia, this Act cannot become part of its domestic law.

As outlined in 'A Shorter History of Australia' (ISBN 0 85561 599 0) by Professor Geoffrey Blainey on page 160 - "When the assembly of the League of Nations met for the first time at Geneva in November 1920, Australia was one of the forty-two nations represented as full members. The Statute of Westminster, passed by the British Government in 1931, was formally to give Australia an independence it already possessed."

The Constitutional Convention's proposed changes to current domestic legislation of the Parliament of the United Kingdom can now be seen as **totally untenable** within the concepts of domestic and international law. In 1935, a joint committee of the House of Lords and the House of Commons, when examining the petition of **the government of the State of Western Australia for secession from the Commonwealth,** left no doubt as to the legal position of the Commonwealth and State governments with relation to *An Act to Constitute the Commonwealth of Australia*. The preamble and the Covering Clauses were the sole prerogative of the Parliament of the United Kingdom and operated separately from and independently of Clause 9 - The Constitution! The organisation and administration aspects, state and federal were confined to Clause 9 - the government and the judiciary.

The government of the United Kingdom states;

"*An Act to Constitute the Commonwealth of Australia 1900 (UK)* is current legislation of the Parliament of the United Kingdom. The UK parliament has the undenied authority to **repeal this Act with or without the consent of Australia.** The preamble and covering clauses of this Act may be altered only by an Act of the Parliament of the United Kingdom. The government of the colonial federation of the Commonwealth of Australia was restricted to the conditions under Covering Clause 9 of this Act - the Constitution"

A recent UK document (11th December 1997) received from the British Foreign Office confirms this position.

The current position in domestic and international law is clearly stated by two eminent members of the Australian legal academe in their book - International Legal System: Cases & Materials (ISBN 0409436003) **G. A. Brennan, LL.B (Hon) (Melb.), LL.M. (Lond.), Dip. Int.& Comp Air Law (Lond.) - Senior Lecturer in Law at Melbourne University and W. E. Holder, B.A. LL.B (Hons) (Melb.), LL.M.(Yale), Dip. Int. Law (Hague) - Senior Lecturer in Law at the Australian National University - Canberra - 1972. : Foreword by Chairs of International Law (Yale & London).**

Page 75: "From 1917 onwards and following the **peace discussions**, Australia became an independent minor country similar to Belgium. **Theoretically by 1919 it was a totally independent country. In practice sadly, this fact lagged behind theory."**

Note the superior academic post graduate qualifications including international law of the above two authors! Download the CVs of the current batch of High Court judges as available on the Internet and compare with these two authors. Note the difference in academic levels.

Comment: How then has the myth that Australia became an independent nation on 1st January 1901 been perpetrated and for what reason? Why haven't Australians been told the truth about their historical and legal heritage? **Why does the celebration of a long dead colonial federation of the Commonwealth of Australia take precedence while other nations celebrate their Independence Day?** Could maintaining the 'status quo' be the answer?

The actual **comments made by the forefathers** of the Constitution have been **hidden** away in the archives. Indeed, the original annotated Constitution with comments by two of the lawyers who helped write the document hasn't seen light of day since it was written in 1901. The first reprint at \$199 by Legal Books in 1995 was **not for public consumption**. (*Editors note: Quick and Garran's "Annotated Constitution of the Australian Commonwealth" was reprinted in 1976 with a foreword by Professor Geoffrey Sawer, B.A., LL.M. Professor Emeritus of the Australian National University, Visiting Fellow in the Faculty of Law at the Australian National University. I know this to be a fact as I have the original copy that was used for the reprint and bought it from The Law Book Company in the middle eighties for \$200.*)

I quote from Page 17 of The Australian Constitution published in 1997 by the Constitutional Centenary Foundation with the annotated text by Professor Cheryl Saunders of Melbourne University "Australia became an independent nation in 1901". I. M. Cumpston, Emeritus Reader in Commonwealth History, University of London begs to differ "The Commonwealth of Australia as a colony of the UK had limited self-government in 1901" at P3 of History of Australian Foreign Policy 1901-1991 Volume one. One need only refer to the eighth Clause in the "Preamble" to the "Act to Constitute the Commonwealth of Australia 1900 (UK)" to understand the status of the "Commonwealth" in 1901;

8 Application of Colonial Boundaries Act

After the passing of this Act the Colonial Boundaries Act, 1895, shall not apply to any colony which becomes a State of the Commonwealth; but the Commonwealth **shall be taken to be a self-governing colony** for the purposes of that Act.

Her most recent book "**It's Your Constitution**", Saunders falls far short of the expected legal argument emanating from the Director for the Centre of Constitutional Studies, University of Melbourne. An example on p.24 of this book is almost unbelievable "Some of the constitutional powers of the Queen are undoubtedly colonial in character, however, and would not have been included in a Constitution for an independent Australia. The most well known of these is section 59 which gives the **Queen power to overrule or "disallow" any Commonwealth law** within one year after it has been made. The power has never been used and certainly would not be used now".

One wonders if we are living on the same planet as this academic - what happened to the **sovereignty of The People in this independent nation?** She is describing a **Parliamentary Monarchy** not an independent sovereign democracy! On p.8 of the same book she states "But this is a democracy, in which government is "by The People". Somewhere between p.8 and p.24 "**The People**" appear to have lost their **sovereignty**. She doesn't discuss by what means the Queen or her representative continues to assent to bills under section 58 of the same document!

One would think a highly paid public servant such as Saunders and her colleagues could spend some time investigating the validity of using current British domestic legislation within Australian sovereign territory. The colonial federation of the Commonwealth of Australia metamorphosed into the sovereign nation of the Commonwealth of Australia eighty-six years ago! **The evidence, both historical and legal is overwhelming!** (*Saunders errors are many in number. LWC Ed.*)

What has the Parliament of the United Kingdom to say about these statements? "The colonial federation of the Commonwealth of Australia came into being by the authority of *An Act to Constitute the Commonwealth of Australia 1900 (UK)*. It **remained a colony of the United Kingdom**. The Act is current legislation of the Parliament of the United Kingdom. This parliament reserves the right to repeal its legislation with or without the consent of the Parliament of the Commonwealth of Australia".

An Australian citizen recently wrote to the Office of the Lord Chancellor in London asking a question relating to this alleged statement by the Lord Chancellor. "***The Commonwealth of Australia Constitution Act (UK)1900 is an Act of the United Kingdom Parliament. The right to repeal this Act remains the sole prerogative of the Parliament of the United Kingdom. There is no means by which under United Kingdom or international law this power can be transferred to a foreign country or Member State of the United Nations. Indeed, the United Nations Charter itself precludes any such action. The government of the United Kingdom presented the***

original document of the *Commonwealth of Australia Constitution Act to Australia in 1988 as a gesture of goodwill on its 100th anniversary*".

The reply dated 11th December 1997 from the Foreign & Commonwealth Office stated they **could not trace the alleged statement by the Lord Chancellor**, however they wished to correct but one item in the statement. "A copy of *An Act to Constitute the Commonwealth of Australia* was given to Australia by special Act of the Parliament of the United Kingdom in 1990 although a copy was loaned in 1988. Otherwise the statement is an accurate description of the power of the British Parliament in relation to its own legislation".

This recent document received from the British Foreign Office **offers to repeal the Act if so requested by the Commonwealth Government**. Conclusively, the so called 'Australian Constitution' is current domestic legislation of the Parliament of the United Kingdom and may be dealt with by any present or future British Parliament as it deems fit. The Parliament of the United Kingdom claims full control over its own legislation.

A recent communication received from the United Kingdom states:

"The Parliament of the United Kingdom does not possess the legal authority to assent to Bills within the sovereign territory of the Commonwealth of Australia nor can it delegate any such authority. This would be inconsistent with domestic and international law. The United Kingdom recognises the Commonwealth of Australia as an independent sovereign nation and Member State of the United Nations. The United Kingdom acknowledges that Queen Elizabeth II of Great Britain reigns by the authority of the **Act of Settlement 1701**. This Act is current legislation of the Parliament of the United Kingdom. It is within the power of the parliament to repeal this Act if and when it so decides."

I quote from Hansard of the parliament of the Commonwealth of Australia for the 10th September 1919, Pages 12169a and 12171d. The speech is by Mr. Hughes, Prime Minister and Attorney General moving this motion:

'That this house approves the Treaty of Peace between the Allies and Associated Powers and Germany, signed at Versailles on 29th June 1919'. "It was necessary, therefore - and the same applies to other Dominions - that we should be represented. Not as at first suggested, in a British panel, where we would take our place in rotation, but with separate representation like other belligerent nations. Separate and direct representation was at length conceded to Australia and to every other self-governing Dominion. By this recognition Australia became a nation and entered into a family of nations on a **footing of equality**. The League of Nations comprises at the onset some thirty-two nations including the Dominions of the British Empire and India, and we have signed the covenant as separate nations." **The motion was unanimously passed on 1st October 1919.**

Perhaps the situation is best explained by one of Australia's foremost historians - Russel Ward in 'A Nation for a Continent' pages 124 and 125. "Notwithstanding all his playing to the gallery, the incredible Welshman served Australia well at Versailles. He insisted that he (and Joseph Cook who was completely overshadowed by him) should represent Australia as a belligerent nation in its own right, not merely as part of the British delegation. The point was made when he signed the treaty separately on behalf of Australia. We shall see for the following twenty years a succession of **conservative governments** was content, in the field of foreign relations, almost to revert to Australia's earlier **quasi-colonial status**; but Hughes did set the precedent for independent action within the British Empire".

Australia lost 60,000 young men in World War I. Prime Minister W. Hughes stated in the Parliament, that these men had given us our new status as a nation. **The sovereign People of this great country through ignorance of its true political history and the resultant legal changes resulting from these historical events have allowed the politicians, the judiciary, the academe and the media with their huge vested personal interest in maintaining the 'status quo' to commit what can only be described as treason!** There is comfort in the knowledge that over 2,000,000 Australians now know and have confirmed for themselves the above true history of this nation. Their numbers grow daily as they spread this knowledge.

The author, in early 1974 after arriving back from London with the knowledge that the Commonwealth of Australia most certainly did not become a nation in 1901, as he had been taught at school, became interested in the actual date Australia became an independent sovereign nation. The **1971 Immigration & Asylum Act (UK) stating Australian were aliens, started him thinking.** It has taken him over 25 years to unravel and document the true history of Australia. **Little did he realise he was about to open a 'can of worms' of enormous proportions exposing politicians, judiciary, media and the academe, both legal and historical in what can only be described as a conspiracy beyond belief.**

None could disprove or dismiss any of the facts presented. Each fact is already part of history. Instead of asking **what could be done to correct these anomalies, he was asked why was he "attempting to destroy the Commonwealth"?** It appears that politicians, judiciary, media and the academe are **no longer interested in the truth! Even the National Library in Canberra does not contain a section on Australian Independence!** This data went **before Justice Hayne. J. of the High Court of Australia** on 15th December 1998. **Justice Hayne stated (off of the record) it was his duty to uphold the current system. He stated that Covering Clause 5 is valid. If this is so, then so are all the other Covering Clauses plus the preamble. The Australian People just lost their sovereignty.** He has created a time warp with the Commonwealth of Australia back in time prior to 1st October 1919 as a British Colony.

The "Queen of Australia" has gone with all the international treaties and 5,500,000 migrants just lost their Australian Citizenship. Under Covering Clause 8, the Commonwealth of Australia is designated as a self-governing colony. This decision is

a total nonsense as it contradicts the Parliament of the Commonwealth of Australia - a higher court!

Malcolm Turnbull in his book "The Reluctant Republic" on page 38 states....."At the Peace Conference in Paris after the first World War, the dominions were represented - albeit as part of the British delegation.....". **Turnbull hangs his hat on that erroneous statement.** The rest of his book becomes irrelevant at that point. The fact that the Commonwealth of Australia was a plenipotentiary in its own right is well documented in Hansard.

Recently, the author had an in-depth discussion with a person who holds a chair of International Law at one of the USA's most prestigious universities (Stanford). "When a government of what was formerly a colony attempts to maintain colonial law past the terms of 'Uti possidetis juris'(national boundaries), it will run into many legal problems. For instance, **it cannot, under international law, sign a treaty,** or declare war, nor can it legislate for citizenship. It cannot join an international body nor can it make decisions as a sovereign nation within the international community. All its Acts must have some form of assent, either by the previous monarch, a representative of the monarch or perhaps the parliament of what is now under international law, a foreign country. Such a system is not workable within the newly sovereign nation and is not recognised under international law. **In the case of Australia, its submission to the United Nations stated that its constitution was a sovereign document based upon British law. This was untrue, the document is not sovereign, it is current British law."**

Similar discussions with the Chairs of International Law at Yale, Harvard, Cambridge, London and The Hague resulted in almost **identical comments** with Cambridge and London confirming the statement made by the Parliament of the **United Kingdom that the monarch does not possess the legal power of assent within Australia.**

The Crown, as per the preamble, has **not been a legal entity since 15th January 1922.** The Commonwealth of Australia is a separate legal entity receiving its sovereign independence on 1st October 1919. These two items alone eliminated the sense of the Act.

Both the **League of Nations Covenant** and the Charter of the United Nations eliminated the rest of the Act as this quasi-colonial 'arrangement' did not comply with the requirements of either treaty, remembering that international law always takes precedence over domestic or municipal law. The administrative and organisational aspects of the "ghost" of the colonial federation of the Commonwealth of Australia are still enforced through Covering Clause 9 of *An Act to Constitute the Commonwealth of Australia 1900 (UK)*. This Act is current domestic legislation of the Parliament of the United Kingdom.

The High Court of the Commonwealth of Australia acknowledges that the “*Act to Constitute the Commonwealth of Australia*” owes its legal force to its character as a statute of the Imperial Parliament and as such its is **not a document of sovereignty**. **The High Court** then uses this document as the fundamental document of sovereignty within the Commonwealth of Australia saying that **The People of the Commonwealth of Australia have agreed to be bound by it**. No such plebiscite of The People of the Commonwealth of Australia has ever been conducted after the Commonwealth of Australia became an independent sovereign nation. **The Australian Government Solicitor is unable to produce any such document!**

As recently as 1992, a former Chief Justice of the High Court, Sir Anthony Mason, demonstrated what must be seen as a complete lack of knowledge of international law when he said “**The *Australia Act 1986 (UK)* marked the end of the legal sovereignty of the Imperial Parliament and recognised that ultimate sovereignty resided in the Australian People**” 177 CLR 106 at 137-8. He was obviously unaware that the Commonwealth of Australia became a **Member State of the League of Nations as at 10th January 1920 and the United Nations as at 24th October 1945**. It is a rarity for a judge to have postgraduate academic qualifications. Most hold the honorary title of QC, which is irrelevant with regard to their attained academic levels. With few exceptions, **their academic qualifications are the same as your average suburban solicitor** a B.A., LL.B. or an LL.B. **All High Court judges are political appointees**. The Australian Government Solicitor in a recent letter states

“Since Australia has attained its independent status, the character of the Constitution as Australia's fundamental law can be seen as resting predominantly on the Australian People's decision to approve and be bound by its terms and not on the status of the Constitution as an Act of the British parliament.”

At no time since Australia attained its independent status has any such plebiscite been conducted! The statement is political rhetoric and legal “psycho-babble” as a sovereign Australia could not 'adopt' current law of a foreign country as its fundamental law. Such an act would contravene British domestic and international law! Both nations are Member States of the United Nations and the Charter of the United Nations precludes any such action.

How can one explain the fact that the Parliament of the Commonwealth of Australia agrees with the above facts about sovereignty and uses that sovereignty to sign international treaties? Everyone associated with international law recognises its superiority over domestic law. Article 2 (1) of the Charter of the United Nations:- The Organization is based on the principle of the sovereign equality of all its Members.

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The “*Act to Constitute the Commonwealth of Australia 1900 (UK)*” is documented by the British government as current domestic legislation of the Parliament of the United Kingdom. In order for a court to hear matters relating to current British domestic law the court must be empowered by the Parliament of the United Kingdom to carry out this function. The Commonwealth of Australia is an independent sovereign nation and

is outside the legal jurisdiction of the Parliament of the United Kingdom. No court, federal or state, in the Commonwealth of Australia is empowered to hear matters pertaining to current British domestic law. This power ceased on 1st October 1919. The High Court of the Commonwealth of Australia states that sovereignty rests with the Australian People. Why then are the politicians and the judiciary compelled to sign a document giving allegiance to Queen Elizabeth II of the United Kingdom, a British citizen who is subordinate to the laws of the Parliament of the United Kingdom? Politicians are told in no uncertain terms that if they do not sign, then they cannot be declared as winning the seat! Surely, any such document must be a confession of **treason**? Sadly, the Queen has been badly misinformed and is completely exposed to an International Criminal Tribunal. Many Australians have been imprisoned unlawfully by her assent to bills. Two at least were hung! I would strongly advise all public servants to read the results of the Nuremberg Trials following World War II. Many said they were only carrying out orders as they were taken to prison or the gallows! A formal request for an ICT is now being prepared. One single document would suffice to support an ICT - the current Letters Patent relating to the Governor of Victoria issued by Elizabeth II of the United Kingdom as at 3 March 1986!

If there is still any doubt left as to when and by what means the Commonwealth of Australia became a sovereign nation this is a verbatim extract from W. M. Hughes's book (The Splendid Adventure) and Hansard of the House of Representatives at page 11631 on 30 September 1921.

The speech made by the Prime Minister of the United Kingdom leaves no doubt as to the status quo of the Dominions. The speech by the Prime Minister of the Union of South Africa also leaves no doubt as to the status quo of the legislative power of the House of Commons within the Parliament of the United Kingdom.

THE SPLENDID ADVENTURE

A review of Empire relations within and without the Commonwealth of Britannic Nations by: The Right Hon. W. M. Hughes formerly Prime Minister of Australia. London - Ernest Benn Limited 1929 printed in Great Britain - first edition Pages 234, 235 and 236 and Hansard - House of Representatives at P11631 on 30 Sep 1921.

The Report of the Inter-Empire Relations Committee covers a wide field and demands separate treatment, but I may quote here three Declarations of Rights. In his opening speech to the 1921 Conference Mr. Lloyd George (Prime Minister of the United Kingdom) said:

“In recognition of their services and achievements in the war, the British Dominions have now been accepted fully into the Comity of Nations by the whole world. They are signatories to the Treaty of Versailles and of all other Treaties of Peace; they are members of the Assembly of the League of Nations, and their representatives have already attended meetings of the League; in other words, they have achieved full national status, and they now stand beside the United Kingdom as equal partners in

the dignities and responsibilities of the British Commonwealth. If there are any means by which that status can be rendered even more clear to their own communities and to the world at large we shall be glad to have them put forward at this Conference."

Sir Robert Borden, in his speech to the Canadian Parliament in 1919, set out the position of the Dominion representatives in the Imperial council-chamber in terms equally clear and comprehensive:

"We meet here on terms of equality under the presidency of the First Minister of the United Kingdom . . . Ministers from six nations around the council-board, all of them responsible to their respective Parliaments and to The People of the countries they represent. Each nation has its voice upon questions of common concern; each preserves unimpaired its perfect autonomy, its self-government, and the responsibility to its own electorate."

And in 1919 General Smuts, during the debate in the South African Parliament on the ratification of the Peace Treaty, set out the new status of the Dominions in language no less clear and precise:

"The Union Parliament stands on exactly the same basis as the British House of Commons, which has no legislative power over the Union. . . . Where in the past British Ministers could have acted for the Union (in respect of foreign affairs), in future Ministers of the Union will act for the Union. The change is a far-reaching one which will alter the whole basis of the British Empire. . . . **We have received a position of absolute equality and freedom** not only among the other States of the Empire, but among the other nations of the world."

That the British Government itself fully realised the significance of the change which had taken place is shown by the **official statement made by Lord Milner, at that time Secretary of War.**

"The Peace Treaty recently made in Paris," said Lord Milner, "was signed on behalf of the British Empire by Ministers of the self-governing Dominions as well as by British Ministers. They were all equally plenipotentiaries of His Majesty the King, who was the **'High Contracting Party'** for the whole Empire. This procedure illustrates the new constitution of the Empire which has been gradually growing up for many years past. The United Kingdom and the Dominions are partner nations not yet indeed of equal power, but for good and all of equal status."

Conclusion:

Each conclusion is a documented, historical and legal fact that is beyond historical or legal challenge under both domestic and international law.

(1) An Act to Constitute the Commonwealth of Australia 1900 (UK) is current domestic legislation of the Parliament of the United Kingdom.

(2) The colonial federation of the Commonwealth of Australia became the independent sovereign nation of the Commonwealth of Australia on **1st October 1919**.

(3) The Crown of the United Kingdom of Great Britain and Ireland **ceased to exist** as a legal entity on 15th January 1922.

(4) Queen Elizabeth II of the United Kingdom **reigns by the authority of the Act of Settlement 1701**. She is therefore **subordinate** to the Parliament of the United Kingdom. The Parliament of the United Kingdom, Queen Elizabeth II or her representatives **do not have the legal authority** under British domestic or international law to assent to legislation within the sovereign territory of the Commonwealth of Australia.

(5) The **legal authority of the United Kingdom** over the former Dominion of the Commonwealth of Australia **ceased as at 1st October 1919**.

(6) No laws of the Parliament of the United Kingdom are valid within the sovereign territory of the **Commonwealth of Australia** with the exception of those designated diplomatic areas under the Charter of the United Nations - British High Commission etc.

(7) Sovereignty over the Commonwealth of Australia rests with the Australian People.

(8) The Australian Government Solicitor states "Since Australia has attained its independent status, the character of the Constitution (Clause 9 of An Act to Constitute the Commonwealth of Australia 1900 (UK) as **Australia's fundamental law can be seen as resting predominantly on the Australian People's decision to approve and be bound by its terms**, and not on the status of the Constitution as an Act of the British parliament."

Answer (8a) The Australian Government Solicitor and the Australian Electoral Commission are unable to produce documentation as to when and by what means this plebiscite of the Australian People was allegedly conducted after gaining sovereignty.

Answer (8b): An Act to Constitute the Commonwealth of Australia 1900 (UK) is current domestic legislation of the Parliament of the United Kingdom and as such has no status within the sovereign territory of the Commonwealth of Australia. See (6) also.

Answer (8c): As An Act to Constitute the Commonwealth of Australia 1900 (UK) is current domestic legislation of the Parliament of the United Kingdom, **the Australian People are excluded** from 'adopting' this Act even if they so desired as such would be in direct violation of British domestic law, international law and the Charter of the United Nations.

Answer (9): The High Court of Australia states "The Act to Constitute the Commonwealth of Australia 1900 (UK) is **not a sovereign document**. Sovereignty rests with the Australian People." The Australian Government Solicitor states "What has been described as 'the sovereignty of the Australian People' is recognised by section 128 of the Constitution".

Answer (9): Here we have the Australian Government Solicitor stating the sovereignty of the Australian People actually resides in Section 128 of An Act to Constitute the Commonwealth of Australia 1900 (UK) while the High Court of Australia states categorically that this Act is not a document of sovereignty! If the sovereignty of the Australian People is recognised by section 128 of the Constitution then sovereignty under the Crown could never have existed.

The inescapable historical and legal conclusion is thus clearly established by the previous pages plus the **supporting historical and legal documentation** held for each statement. The current political and legal system in use in Australia is limited by law to the following;

(a) The Parliament of the Commonwealth of Australia had the undoubted authority to make laws for the peace, order and good government of the colonial federation of the Commonwealth of Australia from 1st January 1901 through to the passing of a resolution by the Parliament of the United Kingdom changing the name from the Colony of the Commonwealth of Australia to the Dominion of the Commonwealth of Australia in 1911.

(b) The Parliament of the Commonwealth of Australia had the **undoubted authority to make laws for the peace, order and good government** of the Dominion of the Commonwealth of Australia from the time of the British resolution in 1911 changing the name from Colony to Dominion to 1st October 1919 when the Dominion of the Commonwealth of Australia became an independent sovereign nation.

© The Parliament of the Commonwealth of Australia is unable to produce any documented form of authority **dating from 1st October 1919** to the current date.

Certainly, an Act to Constitute the Commonwealth of Australia 1900 (UK) as current British domestic law cannot be enforced within the sovereign territory of the Commonwealth of Australia under British domestic and international law. The assertion by the Australian Government Solicitor that the Australian People have **agreed to abide by the Act is political rhetoric** as no documented basis in law exists (source - Australian Electoral Commission). This would contravene British domestic law, international law and the Charter of the United Nations.

William Morris Hughes as Prime Minister of the Commonwealth of Australia is recorded in 1921 as recognising the necessity for a new constitution. His colleagues recognised the fact the **Australian People would never approve a new constitution**

based upon the old colonial model. Eighty years have passed since the Commonwealth of Australia became an independent sovereign nation under British domestic and international law.

The Australian People still do not have a document of sovereignty! Under the current 'regime', political and legal, the Commonwealth of Australia remains in a quasicolonial limbo! The content of this document is the result of over 25 years of fully documented meticulous research. No member of the body politic, the judiciary, the legal profession, the academe, historical or legal has been able to disprove a single item. Many have tried to deny it through political rhetoric - none have disproved it by historical fact or legal argument!

I was asked by a very senior member of the legal profession to state a worst case scenario from my research. The Parliament of the United Kingdom has the undoubted authority under British domestic and international law to repeal An Act to Constitute the Commonwealth of Australia 1900 (UK) at any time from the date this Act ceased to be valid within the previous British Colony or Dominion (1st October 1919) up to the current date. Not that they would - but they can!

Thousands of Australians now know about this document and have proven its contents for themselves. They would rather go to war again than surrender the sovereignty of this nation for which so many Australian service personnel have given their lives. I have looked upon the massed graves of some of these young men in France - we can't let them die for nothing!

This statement is attributed to the current holder of a Chair of International Law at Cambridge University who had this to say.....

"It never ceases to amaze me that all Chairs of Law in the Commonwealth of Australia are based upon a single piece of current British domestic law - An Act to Constitute the Commonwealth of Australia 1900 (UK). This Act is current legislation of the Parliament of the United Kingdom therefore usage of this Act in the Commonwealth of Australia has the Parliament of the United Kingdom legislating within the sovereign territory of a member nation of the British Commonwealth of Nations. This is unlawful under British domestic law and the legal structure of the British Commonwealth of Nations let alone international law and the Charter of the United Nations. The Commonwealth of Australia is not a dependency of the United Kingdom therefore the Parliament of the United Kingdom is prevented from legislating within its designated territorial limits. This old British colonial Act long ago ceased to be valid within the sovereign territory of the Commonwealth of Australia."

"When recently conversing with an Australian QC, I was astonished to hear his comment that even if the 'Australian Constitution' was no longer valid the legal basis for law would remain as common law would prevail as it does within the United Kingdom. He appeared to believe that law within the United Kingdom was based upon centuries of convention and common law. This is a fallacy! The adoption of the

following major legal documents by the Parliament of the United Kingdom forms the basis of law within the United Kingdom. I told this QC that only a court within the jurisdiction of the Parliament of the United Kingdom could hear a case involving British domestic law thus excluding all Australian courts.”

“The Magna Carta was confirmed by parliament in 1216/1217 by order of Henry III. The Petition of Right was confirmed by parliament in 1628 with the Bill of Rights confirmed in 1689. These documents adopted by the parliament provide documentary authority for the rule of law in England and later from 1801, the United Kingdom. The Parliament of the United Kingdom has the authority to repeal any of these documents as it deems fit. Although there are well established precedents and conventions which have developed over the past 700 years, they do not constitute written law.”

“It is my opinion any international court or forum will quickly expose this feeble attempt at 'creative legislating' by the Parliament of the Commonwealth of Australia. A government might have been able to get away with such a nonsense in the earlier time periods of 1920 through to perhaps 1960. Certainly not following the Immigration & Asylum Act 1971(UK) which declares Australians to be 'aliens'. Also the enormous library of the Internet is now available to the public at large plus of course the public can for the first time publish on the Internet with the world as an audience.”

A document just to hand is more than worthy of inclusion within this disclosure document. The document is headed as follows with the contents listed.....1920-1921
THE PARLIAMENT OF THE COMMONWEALTH OF AUSTRALIA
PEACE TREATIES

PAPERS RELATING TO SIGNING AND RATIFICATION OF THE PEACE TREATIES

(a) Memorandum dated 12th March, 1919 circulated by Sir Robert Borden, on behalf of the Dominion Prime Ministers. (Sir Robert Borden was Prime Minister of Canada)

(b) Rules of the Peace Conference contained in Annex II to Protocol I of the Conference, defining the position and representation of the several powers, including the Dominions (dated 18th January 1919).

(c) Correspondence between the Commonwealth Government and the Secretary of State for the Colonies concerning the signing and ratification of the Peace Treaties.

(d) Order in Council passed in Australia, moving his majesty The King to issue Letters Patent appointing plenipotentiaries in respect of the Commonwealth of Australia.

Section (b) of this document was **classified Secret by His Britannic Majesty's**

Government and had a **nominal 30 years non disclosure attachment** notification. The document clearly demonstrates the Commonwealth of Australia was in fact a sovereign nation in its own right in 1919. It was represented by its two delegates at the Peace Conference of Versailles as a belligerent nation. The document discloses the Dominions and the United Kingdom decided to join together on a common panel under the flag of the British Empire for administrative convenience only. Each Dominion was a plenipotentiary in its own right. No wonder the **politicians didn't want this document to see the light of day for some 30 years. It was annotated as a secret document. It has in fact not seen light of day for some 80 years!**

Paragraph 5 (b) of the Secret Memorandum.....

(b) The recital in the Preamble of the names of the **Plenipotentiaries** appointed by the High Contracting Parties for the purpose of concluding the treaty would include the names of the Dominion Plenipotentiaries immediately after the names of the Plenipotentiaries appointed by the United Kingdom. Under the general heading "The British Empire" the sub-headings "The United Kingdom," "The Dominion of Canada," **"The Commonwealth of Australia,"** "The Union of South Africa," &c., would be used as headings to distinguish the various Plenipotentiaries.

The Oxford Dictionary defines **plenipotentiary** as.....

1. *Especially of a diplomatic envoy invested with or possessing **fully authority**.*
2. *Conferring full authority.*
3. *Power of authority full; absolute.*
4. *A person vested with full authority to transact business especially a diplomat authorised to represent a country.*

(author anonymous)

26.2 Obedience to Perceived Authority

The COVID-19 pandemic has made visible people's adherence to perceived power. They have dutifully allowed lockdowns, mask wearing, restrictions on their liberties to the extent of 1 hour a day exercise, not opening shops, walking with limited numbers, some or no visitors to the home, no dissent or complaint, no school, working from home and intermittent disruptions. The vaccine industry is very powerful which is why there has been a negative narrative around alternatives and some, which work like Hydroxychloroquine have been blocked from supply. Moreover, the government has business interests in the biotech industry and it is clear there is foreign intervention directly having input via Jane Halton, Chair of Coalition for Epidemic Preparedness (established 2017, only 3 years) which is funded by Bill Gates. He has popped up at the University of Queensland as he is funding US biotechs they are calling Australian. The Chinese are also active in this area having had their biotechnology industry set up by NIH, NIAID Dr. Anthony Fauci, Dr Ian Lipkin (Columbia University) and the very powerful biotechnology industry in the US who are currently operating in China ie. Boehringer, Merck, Sanofi, Pfizer, Johnson & Johnson and many more. US Defense are active in biotechnology given biowarfare repurposing of research. DARPA partners with the Bill & Melinda Gates Foundation who together with Wellcome Trust and the European Commission fund The Pirbright Institute the patent holder of the coronavirus. CSIRO have been involved with research on bats and coronavirus connected directly to the Wuhan Institute of Virology, EcoHealth alliance which was the original narrative at the wet market.

It is our ignorance, busyness, level of education, distraction that puts the majority into the position of powerlessness where they don't know what is going on and they just obey because an authority figure (with backing) tells them so. This is combined with the fact that "conspiracy theories" have been used as a form of propaganda to shutdown competing views and solutions. This was highlighted at the World Economic Forum coronavirus simulation in October 2019. This forum has a multinational membership of big business including many mouth pieces visible in the media validating suppression strategies ie. the restrictions and face masks. In fact 5 months before Wuhan hit the news, the W.E.F. were discussing restrictions, protective equipment (PPE), social distancing 1.5m, grounding of flights, public-private partnerships, shutting down business, resourcing supply lines, online working (technocracy) and the need to coordinate and embed infrastructure (paid by taxpayers) an equity financing (foreign loans) editing nations, social havoc that goes on for years and the need to prepare for future pandemics. Thus Event 201 was a live practice session under the guise of simulated preparedness. Bill Gates and many powerful persons primed the world about the coming pandemic as part of the preparation. The media is used to 'prime' the public for the next implementation of the strategy. Most Australians will not know that the US Health and Human Services had the Crimson simulated exercise in August 2019 focussing on influenza. The Police in Australia met in Melbourne and allowed Microsoft and Accenture to attend for the first time. They briefed the policing about track, tracing, facial recognition and software which enhances their control of society. The Reports include information and visual descriptions on Palantir, a company that has intelligence/software applications that help enforcement agencies use cyber technology to surveil, track and trace. Alarmingly, COVID-19 (labelled) kits were sold in 2017 to western countries prior to the pandemic. It was indeed pre-planned. Even the Rockefeller Plan maps out step by step the process of lockdown and harassment to force a vaccine, which was mirrored in Victoria. There are real concerns about nanotechnologies and retroviruses in the RNA medicines. This changes the DNA which means it can be patented by corporations. Microchips have already occurred in parts of India to tag everyone like pets.

Today 12/2/2021 Premier Andrews in Melbourne announced a snap lockdown on the basis of 15 cases, this devastated businesses involved with the Australian Open and cancelling Valentine's day. It should be noted that Melbourne is selected by Rockefeller Foundation as a Resilient City "Smart Cities". It is being transformed into an automated/AI Smart City. On ABC news, a small business operator was interviewed, he had no income for 11 months. He finally had the Australian open where he hired staff to cook food for the event. It was cancelled today which meant they had to give away the food. He still believed Premier

Daniel Andrews was in a tough job, unaware of the big business interests (inclusive of China) behind the scenes. He acknowledged the he noticed big business received Job Keeper and thrived, whereas small business went under. He wasn't aware of the Smart Cities strategy and that there is a global reset. He doesn't know the World Economic Forum are planning for a technocracy of AI and automation which will replace labour as they seek to challenge democracies, force economic collapse and indebtedness. So he obeys the authority sacrificing his livelihood because he doesn't know the big picture. That is what is at stake as we flounder in ignorance. 99% of people won't know 'We the People' is the sovereign power, they believe corporatized governments are. The State government has no power to enforce a lockdown, but police are armed groups and can intimidate citizens physically and given fines. This was the deterrent used to control and force compliance. The lockdown is to coerce the uptake of a vaccine.

Milgram Experiment: Obedience to Authority Figures

Notable quote: "...The Milgram Shock Experiment raised questions about the research ethics of scientific experimentation because of the extreme emotional stress and inflicted insight suffered by the participants. In Milgram's defense, 84 percent of former participants surveyed later said they were "glad" or "very glad" to have participated, 15 percent chose neutral responses (92% of all former participants responding). Many later wrote expressing thanks. Milgram repeatedly received offers of assistance and requests to join his staff from former participants. Six years later (at the height of the Vietnam War), one of the participants in the experiment sent correspondence to Milgram, explaining why he was glad to have participated despite the stress: While I was a subject in 1964, though I believed that I was hurting someone, I was totally unaware of why I was doing so. Few people ever realize when they are acting according to their own beliefs and when they are meekly submitting to authority... To permit myself to be drafted with the understanding that I am submitting to authority's demand to do something very wrong would make me frightened of myself... I am fully prepared to go to jail if I am not granted Conscientious Objector status. Indeed, it is the only course I could take to be faithful to what I believe. My only hope is that members of my board act equally according to their conscience...

Published Thursday, 9th June, 2011 | By [Susan AKA Peacefull](#) | [Edit](#)

In some respects it is not hard to understand why people obey authority figures. You can turn to parenting for an answer. Children are taught to do as they are told not make choices. They are governed at home, at school and in the workplace as adults. The idea of empowerment, shared concern, shared decision making and participatory democracy are merely wafer pockets of activity, rather than mainstream practices of democracy. We are not paid to have an opinion, as the very workplaces we work in are authoritative and mostly hierarchical. So obedience in my experience has been the norm. I found myself departing from this mind set when I questioned the values, ethics of situations. I grew up in a situation where I was aware of dictatorship by my mother (not father) and there were times I felt what I was told was unfair. I was aware decisions were not shared and I was not asked what I wanted or when I came up with an alternative it wasn't taken on board. So I knew I had to do as I was told rather than have input over things that affected me. However, rather than say nothing I would argue and question and that caused conflict as I didn't tow the line. I wasn't trying to be difficult, I just felt it was unfair. This conflict made me sit and think as a child, why can't we just sit together and work out the problem. Why can't we have peace and harmony. I realised my mother's attitude was similar to dictatorship, she didn't know how to problem solve as a collective. Years later as an older woman and watching endless shows of Dr. Phill she is learning more about psychology and handling conflict better. So if mum can learn so can society, governments and so on. So thanks mum for challenging me, I adopted an independent attitude and a participatory approach to conflict and now I question life on lots of levels with great curiosity. I also had a natural belief in peace and harmony as a child, so this has never left me as I travelled this journey through life.

So let's have a look at why we notice people adhere to authority. This behaviour is clear in warfare, at times when a person is hurt on the street (people walk past), group think (conform must be right) or when asked to undertake tasks that are immoral or illegal on the basis that someone in authority told them to do it, without any personal recourse to conscience. Moreover, the internalising of values based on what others think, rather than a deep interconnection to universal values that prick the conscience or give rise to integrity.

The former appears to be some form of detachment from Self, the latter a sense of Self. I feel this is the fundamental question. For until we think for ourselves independently with a sense of values to navigate through life we will be run by other people and are easy to control. For me, it comes back to the idea that our purpose in life is to be 'who we really are' rather than unconsciously going through life playing out a faceless role unquestioningly, to find in the end we are empty and unhappy.

The Milgram experiment is an interesting experiment which explores that very issue of obedience to authority.

Courtesy of wikipedia http://en.wikipedia.org/wiki/Milgram_experiment

The Milgram experiment on obedience to authority figures was a series of social psychology experiments conducted by Yale University psychologist Stanley Milgram, which measured the willingness of study participants to obey an authority figure who instructed them to perform acts that conflicted with their personal conscience. Milgram first described his research in 1963 in an article published in the *Journal of Abnormal and Social Psychology*,^[1] and later discussed his findings in greater depth in his 1974 book, **Obedience to Authority: An Experimental View**.^[2]

The experiments began in July 1961, three months after the start of the trial of German Nazi war criminal Adolf Eichmann in Jerusalem. Milgram devised his psychological study to answer the question: "Was it that Eichmann and his accomplices in the Holocaust had mutual intent, in at least with regard to the goals of the Holocaust?" In other words, "Was there a mutual sense of morality among those involved?" Milgram's testing suggested that it could have been that the millions of accomplices were merely following orders, despite violating their deepest moral beliefs. The experiments have been repeated many times, with consistent results within societies, but different percentages across the globe.^[citation needed] The experiments were also controversial, and considered by some scientists^[which?] to be unethical or psychologically abusive, motivating more thorough review boards for the use of human subjects.

* The experiment

The volunteer subject was given the role of teacher, and the confederate (an actor), the role of learner. The participants drew slips of paper to 'determine' their roles. Unknown to the subject, both slips said "teacher", and the actor claimed to have the slip that read "learner", thus guaranteeing that the participant would always be the "teacher". At this point, the "teacher" and "learner" were separated into different rooms where they could communicate but not see each other. In one version of the experiment, the confederate was sure to mention to the participant that he had a **heart condition**.

The "teacher" was **given an electric shock** from the electro-shock generator as a sample of the shock that the "learner" would supposedly receive during the experiment. The "teacher" was then given a list of **word pairs** which he was to teach the learner. The teacher began by reading the list of word pairs to the learner. The teacher would then read the first word of each pair and read four possible answers. The learner would **press a button** to indicate his response. If the answer was **incorrect**, the teacher would **administer a shock to the learner**, with the **voltage increasing in 15-volt** increments for each wrong answer. If correct, the teacher would read the next word pair.

The subjects believed that for each wrong answer, the learner was receiving actual shocks. **In reality, there were no shocks**. After the confederate was separated from the subject, the confederate set up a tape recorder integrated with the electro-shock generator, which played pre-recorded sounds for each shock level. After a number of voltage level increases, **the actor started to bang on the wall** that separated him from the subject. After several times banging on the wall and complaining about his heart condition, **all responses by the learner would cease**.

At this point, many people indicated their desire to **stop the experiment** and check on the learner. Some test subjects paused at **135 volts and began to question** the purpose of the experiment. Most continued after

being assured that they would **not be held responsible**. A few subjects began to laugh nervously or exhibit other signs of **extreme stress** once they heard the **screams** of pain coming from the learner.

If at any time the subject indicated his desire to halt the experiment, he was given a succession of verbal prods by the experimenter, in this order:

1. Please continue.
2. The experiment **requires that you continue**.
3. It is absolutely **essential that you continue**.
4. You have **no other choice**, you must go on.

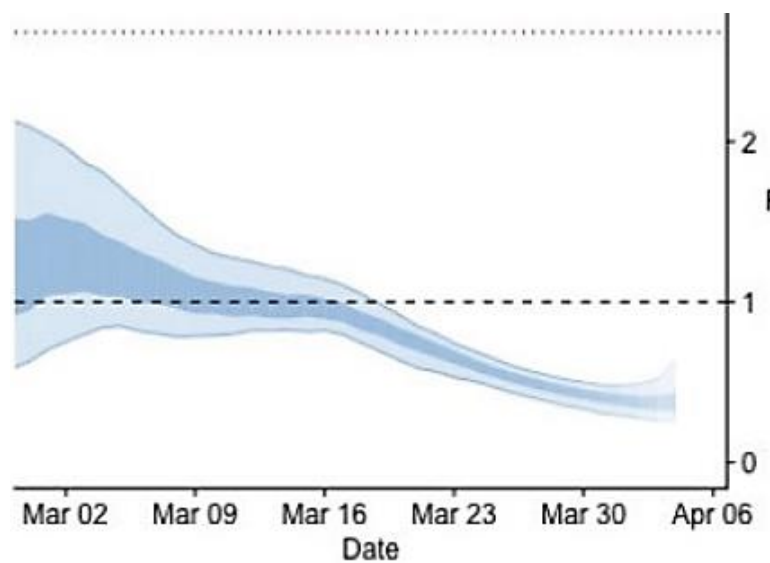
If the subject still wished to stop after all four successive verbal prods, the experiment was halted. Otherwise, it was halted after the subject had given the maximum 450-volt shock three times in succession.

26.3 COVID-19 Senate Inquiry

26.4 Dr Malcolm Brown: COVID-19 Submission to Senate Inquiry No. 34

I am a medical practitioner and am **concerned about the management** of this epidemic. The trajectory of this epidemic was reasonably clear after the first month or so. Graphs of epidemic cases are usually the same shape, with sudden ramp-up and more gradual reduction. The peak can be anticipated when the rate of increase of new cases reduces, even if the total numbers continue to increase. This was evident in Australia by 25th March, and the peak came a few days later. This showed that border controls, case identification with contact tracing, and public education with hand washing and voluntary physical distancing had in fact controlled the epidemic.

Initially the **Doherty Institute modellers used data from China** to estimate the transmissibility of the virus. The effective reproduction number was estimated to be 4 by the Chinese analysts, and **1.4 – 2.5** by the WHO. If the number **stays below one**, an epidemic will peter out, and if it goes above one, the epidemic will continue to spread. This initial analysis **suggested the epidemic would be large**, and so further restrictions were implemented from about 23rd March with closure of restaurants, cessation of football and stay-at-home directions. Some states went further, with Victoria **banning fishing and golf**. However, the Doherty Institute modellers believed that by **early April** they had enough local data for calculation of effective reproduction numbers for each State. On 13 April they released their findings, stating "These analyses produced broadly consistent results showing that the effective **reproduction number is likely less than 1 in NSW, VIC, QLD, SA, and WA as of 5 April 2020**". The graphs showed that this was the case in the first week or two of March.... Subsequently the authorities **did not** continue to publish or publicise any further calculations of the effective **reproduction number** unlike **the real-time results published by authorities in Hong Kong**. This meant that Australians were **not informed** of progress, and were **unable to plan** for the future. Planning is important for social activities such as weddings, and for businesses wanting to re-open their operations. Being able to plan ahead also reduces anxiety. **There do not appear to be any good reasons why the Australian authorities were so secretive**, compared to those in Hong Kong.... A further concerning aspect was the lack of discussion about the adverse mental and physical health costs of recessions. When the academic economist Gigi Foster, of the University of New South Wales, appeared on the ABC's Q&A program, she raised this issue, pointing out that while lives would be lost from the virus epidemic, lives would also be lost from the recession resulting from the governments' deliberate restriction of the economy. Surprisingly she was attacked by other panellists, and subsequently by a large number of academic economists who should have known better. Their published letter completely misinterpreted her comments.



This confirmed that the border controls, case identification with contact tracing, and voluntary hand washing and physical distancing had **attained good control** and further measures including stay-at-home orders were not required. These graphs were so **important** that they were published on the front page of the Australian Financial Review on 17 April.

However **there was little other coverage in the media**, and politicians and health officers **did not act on the new** information. The reason for this is unclear, but it is quite unacceptable.

In the Commonwealth document [Using Mathematical Models to Assess Responses to an Outbreak of an Emerged Viral Respiratory Disease](#) the authors consider the following interventions:

- i. isolating cases as early as possible after diagnosis,
- ii. personal infection control and distancing measures such as avoiding close contacts with people, wearing a P2 mask and frequently washing hands,
- iii. closing schools,
- iv. reducing interstate travel,
- v. quarantining affected households, and
- vi. use of antiviral drugs for treatment and prophylaxis to limit transmission.

They did not consider that banning outdoor activities or stay-at-home orders are necessary to control respiratory disease epidemics. So there was **no justification for the further stricter measures** implemented from about 23rd March.

Furthermore, on 7 April [Chinese researchers](#) had published findings on the indoor transmission of the virus. They analysed all outbreaks involving **three or more cases**, numbering **318** in total, and involving **1245 confirmed cases in 120 cities**. They identified **only a single outbreak** in an outdoor environment, involving two cases. This was good evidence that Australian bans on outdoor activities by small groups were **completely unjustified**. The Australian, and particularly the **Victorian**, authorities **did not act on those findings**, publicise any effort they made to do similar analyses, or reduce outdoor restrictions. This constitutes another major error.

Subsequently the authorities **did not** continue to publish or publicise any further calculations of the effective **reproduction number** unlike [the real-time results published by authorities in Hong Kong](#). This meant that Australians were **not informed** of progress, and were **unable to plan** for the future. Planning is

important for social activities such as weddings, and for businesses wanting to re-open their operations. Being able to plan ahead also reduces anxiety. **There do not appear to be any good reasons why the Australian authorities were so secretive**, compared to those in Hong Kong.

By mid-April, the risk factors for serious disease and death were quite clear – the presence large numbers of international travellers in big cosmopolitan cities, older age groups, the already unwell, high density living, inadequate hospital and testing facilities, and the unnecessary hospitalisation of those with mild disease. Australia rated well on most of these criteria, which was another clear indication that the **epidemic here would cause many fewer cases** than in other countries. This was another reason why the more stringent controls, especially on those of **working and school ages** should have been relaxed much earlier.

The Commonwealth Chief Medical Officer, Professor Murphy, stated unequivocally throughout, that **children should be at school**. Given the findings that **the disease is serious only in the unwell and elderly**, there was no reason whatsoever for schools to be closed, provided older teachers (>70) and those teachers and students who were unwell had special arrangements. **Closing of schools prevented many parents from working**, which caused further unnecessary societal disruption.

Subsequently the **numbers of new cases reduced**, consistent with the calculated effective reproduction number of less than one, and followed the typical type of curve for epidemics which are **petering** out.

A further concerning aspect was the **lack of discussion about the adverse mental and physical health costs of recessions**. When the academic economist Gigi Foster, of the University of New South Wales, appeared on the ABC's Q&A program, she raised this issue, pointing out that while lives would be lost from the virus epidemic, lives would also be lost from the recession resulting from the **governments' deliberate restriction** of the economy. Surprisingly she was **attacked** by other panellists, and subsequently by a **large number** of academic economists who should have known better. Their published letter completely misinterpreted her comments.

The discipline of health economics has a huge published literature on these matters, and for example, the Commonwealth's **publication discussing the value of a statistical life** states: "A number of regulatory proposals are aimed at reducing the **risk of physical harm**, for example, occupational health and safety laws, warning labels on tobacco products and transport safety measures such as seat belt laws. This raises the issue of how to measure and articulate this benefit in a Regulation Impact Statement". It also publishes on **QALYs** (Quality-Adjusted-Life-Years). There does not appear to have been any consideration given by the authorities to the health effects resulting from the economic effects of the extreme restrictions placed on Australians. These are well-documented and include **family violence, drug abuse, and suicides**. See the letter from Dr Garra (published 8 May) reproduced below.

Furthermore, there have been **other adverse health effects** as a result of the level of **anxiety** engendered by the Australian authorities – many doctors have noted that **dangerously unwell people have delayed seeking treatment** in emergency departments, resulting in burst appendixes, heart attacks and infected wounds. The authorities, **particularly in Victoria**, have adopted a **blanket approach** to restrictions, on the basis that this would prevent people from looking for loopholes. However the voluntary response **prior** to the shut-down from a population with high levels of literacy, showed that this old-fashioned approach **was not necessary and counter-productive**.

The politicians **failed to communicate their plans** and the long term outcome they were working towards – this causes **uncertainty and anxiety, and well as misunderstanding**. They should have clearly explained from the outset that eradication is not possible in the medium term. There will continue to

be cases, and these will have to be managed. They should have explained early on that the **focus would be on the aged, unwell** and the associated health workers. They should have explained that healthy younger people have **little to be concerned about** in the context of their own health, but need to be careful when dealing with the aged and unwell. In early **May**, the **German** authorities stated that as the lock-down is lifted, localised restrictions would be re-instated whenever a locality had **more than 50 new cases** per 100,000 population over a one week period. This is the type of information which should have been provided in Australia.

All the factors mentioned above have been **badly handled by the media**. This is not surprising in the commercial media, who know that **bad news sells**. However the **ABC** is a different case, and its reporting should have been much **more balanced** and professional. For example, the ABC should **not have been highlighting the number of cumulative cases** which have no medical significance in the context of the likely future course of the pandemic. They should have been reporting the number of deaths, number of active cases and the percentage of positive tests. They should also have been highlighting the adverse mental and physical health effects of recessions, and advising caution. The Commonwealth should **review the ABC charter** to put a strong **emphasis on factual reporting**, and with an aim to increase the **literacy** of Australians in Science Technology Engineering and Mathematics (STEM) matters.

In summary, the Australian authorities did extremely well in **planning for this epidemic** over a long period before it commenced, and managed it well until Easter. Since then however, they have ignored the overwhelming amount of information which showed quite clearly that the **more severe restrictions were not only unnecessary, but harmful**. In particular, the Victorian government's extreme measures have **been unjustified and quite dangerous**. In conclusion, a significant amount of the health and economic damage done by the management of this epidemic has been **avoidable**.

Peter Doherty Extracts from "We the People" Submission Reports

Australian Academy of Health and Medical Sciences hub (Industry Report part 2a)

The Peter Doherty Institute for Infection and Immunity has completed a validation study of the Beijing Genomics Institute SARS-CoV-2 Real time PCR test kit and associated instrumentation and reagents (link is external).

Professor Sharon Lewin AO is Director of the Doherty Institute for Infection and Immunity, which is working directly across many areas of the pandemic. She co-chairs the National COVID-19 Health and Research Advisory Committee and has contributed to many public discussions, including on the **ABC's Q&A program**. *(This is likely on one of the experts who attacked Gigi Forster)*

Professor Katherine Kedzierska, Lab Head at the Doherty Institute, is leading work to understand the scientific detail of the SARS-CoV-2 virus that causes COVID-19, including how the body responds to the virus. Professor Ian Frazer AC and Professor Peter Doherty AC have participated in a series by the Australian Academy of Science on the latest science on the coronavirus. Their interviews can be viewed on the AAS' website. The TGA is conducting a post-market review of all approved COVID-19 point-of-care serology tests to verify their performance and inform their best use. The Department of Health has engaged the Peter Doherty Institute to assist in the post-market validation of these tests.

Australian Government Admits COVID-19 PCR and Antibody Tests are Totally Unreliable (Industry Critique Report 2b)

Peter Doherty: Working with UQ Institute for Infections and Immunity. Note: Historical connection to Rothschild natural sciences (see archives), Industry Report part 2a.

The blood tests are even worse. The Doherty Institute has tested about half a dozen of the serological (blood) tests and concluded in each case: *"Overall, our findings continue to support recent position statements by the Public Health Laboratory Network (PHLN) and the Royal College of Pathologists Australasia (RCPA) that serological assays have limited, if any, role in the diagnosis of acute COVID-19 infection."*

This conclusion has been replicated elsewhere. Beaumont Health in Michigan ran a longitudinal study, starting in mid-April, which was supposed to look at the rates of infection in health workers exposed to the virus. It was based on large scale serological testing. So what did the study's conclusion (which was not easy to locate): "Higher quality clinical studies assessing the diagnostic accuracy of serological tests for covid-19 are urgently needed. Currently, available evidence does not support the continued use of existing point-of-care serological tests." Same result: the blood (antibody) tests are useless. You have to wonder why. The first explanation that comes to mind is that they don't have the information they need about the virus to reliably test for its existence.

The Doherty Institute in its test of a Chinese PCR kit used an artificially created virus. Why are they creating it artificially?

NB: The artificial viruses spread faster according to Dr. Judy Mikovits.

People are hurting

IN general practice, we are seeing an increasing number of patients with mental health issues. I used to refer one patient a week for counselling; now it's almost a daily occurrence.

School kids are struggling without their friends and home learning is deteriorating ("I'll never catch up"). Their motivation levels are falling. All I can say to them is hang in there, you'll be back at school this term. Medical evidence supports this.

Older people are really missing their families, struggling to sleep, getting headaches, and having panic attacks. I don't want to start medications unnecessarily and funded psychology wait times have increased. I keep saying there will be good news in a few days. I am now brought to tears daily listening to my patients' despair.

Victorians have been amazing; we now need help. A wonderful, compassionate move would be to allow visits for Mother's Day. Lifting some restrictions a day earlier will make absolutely no difference to the spread of the virus, but would be a huge morale boost.

People aren't silly; they know the testing blitz is picking up what community cases there are. There is no evidence for outdoor transmission, with appropriate distancing. The answer is staying 1.5m apart, hygiene and aggressively managing clusters.

Dr Joe Garra, Werribee

27.0 DIGITAL CITIZENS BILL OF RIGHTS

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/277228731>

A Digital Citizens Bill of Rights

Article · January 2009

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A Digital Citizens' Bill of Rights

Tracy Westen & Area Madaras

"[A] bill of rights is what the people are entitled to against every government on earth, general or particular, and what no just government should refuse."

—Thomas Jefferson, December 20, 1787

Bills of Rights have a long and storied history. From the Magna Carta through the first ten amendments to the U.S. Constitution, Bills of Rights have been used to protect citizens from excessive uses of government power and to articulate important civil liberties and freedoms that cannot be infringed by government.

The articulation of these rights provided important steps in the formation of modern democracies. Given that the United States already has a Bill of Rights, one might question the need for a Digital Citizens' Bill of Rights. Certainly the overarching principals of the first ten amendments to the U.S. Constitution still apply. Two reasons, however, justify a national discussion over the emerging rights that governments should offer citizens in the digital age.

First, judicial history shows us that new technologies can raise difficult questions of interpretation. In 1928, for example, the U.S. Supreme Court ruled in *Olmstead v. United States* that no warrant was necessary in order for federal agents to tap a telephone wire.

The majority emphasized that the Fourth Amendment was understood to protect only against "physical invasions" by law enforcement officers. It was nearly 40 years before this ruling was overturned, in *Katz v. United States* (1967), which introduced a reasonable expectation of privacy" as the litmus test rather than "trespass." By making rights explicit in a digital context, we might avoid decades of misinterpretation.

Second, and perhaps more importantly, digital communications technologies, including the Web, the Internet, Video-on-Demand (e.g., YouTube), cell phones and PDA platforms, create new opportunities for citizen engagement in the institutions of democracy. Without a specific focus upon these opportunities, they may not be realized—or it may take years before they are made available.

Admittedly, strides have been made in the use of the Internet for information distribution and service delivery, both important parts of e-Government. The e-Government Act of 2002, 44 U.S.C. § 101, was passed, in part, to improve citizen access to government information and resources. However, major provisions of the act have yet to be enacted.

Furthermore, the focus of such efforts have centered on cost-savings and service delivery from the perspective of the agency and its goals, rather than from the perspective of the citizen and what they may have a right to expect. The Federal Web Managers Council, comprised of Cabinet agency Web Directors, has criticized many federal websites that "tout organizational achievements instead of effectively delivering basic information and services... Many agencies focus more on technology and website infrastructure than improving content and service delivery.

"If e-Government "provides governmental services electronically ... to reduce the physical character of customer transactions by recreating them virtually," then e-Democracy might best be understood as the use of technology to conduct the state's "democratic dealings by using networked interactions with citizens to foster transparency and participation."

It is in the latter area of e-Democracy that the federal government truly fails. We can pay our taxes online, but we don't have the right to search the numerous policy papers generated by the Congressional Research Service every year. The data exists in an electronic form, and citizens have the legal right to request a specific policy paper through their Congressperson, but without the right to access the database of what is available, how can we know what to request? We can find lists of America's Most Wanted criminals, but federal, state and local governments **provide almost no information on candidates for elected office.** We can download passport forms, but we cannot vote or even circulate petitions to qualify ballot initiatives online.

There are already roughly 24,000 websites operated by the federal government. The sheer number of sites may serve as some indicator of the importance and usefulness of the tools of technology. However, the volume of sites speaks little to their substance. The time has come to define a framework of citizen rights and expectations, so that future development can be thoughtfully designed to best meet the needs of the people.

The time has come to articulate a Digital Citizens' Bill of Rights to define the basic rights and benefits of all citizens in the digital age, protecting them against electronic abuses of government power, and empowering them to participate more actively and effectively in the activities of democratic governance.

The following is intended to start a discussion over what items might be included in a new "Digital Citizens' Bill of Rights."

1. Right to Information & Transparency

An informed citizenry is critical to the smooth functioning of any democracy. As James Madison famously articulated in his 1822 letter to W.T. Berry,

A popular Government, without popular information, or the means of acquiring it, is but a prologue to a farce or a tragedy; or, perhaps both. Knowledge will forever govern ignorance: And a people who mean to be their own Governors, must arm themselves with the power which knowledge gives.

The founding fathers clearly sought to ensure that citizens had access to information by establishing the freedoms of speech and the press. However, they could not have conceived of a time when so much of the workings of government could be immediately available to the public at large. While any information would necessarily be bound by existing limitations (for instance, national security or privacy) it is in keeping with the spirit of the founding of our democracy to maximize the transparency of government and make the information gathered and generated by government accessible to the people. To that end, we propose that the government articulate a right of electronic access to information, which would include the:

- Right to locate and access full-texts of all government research online and, where feasible, through other media (TV, Video-on-Demand)
- Right to identify all elected officials working for a particular district, from dog catcher to President, and the right to access the name, title, contact information and duties and responsibilities of each elected official
- Right to obtain elected officials' voting records and positions on issues
- Right to view online agendas of all upcoming governmental meetings, particularly those open to the public
- Right to receive advanced notification (e.g., email, text message), upon request, of upcoming governmental meetings and decisions
- Right to access online streamed and/or archived video coverage of public government decisions via TV, the Web or Cable TV/DBS/Cellular Video-on-Demand retrieval systems

2. Right to Freedom of Expression, to Assemble & Petition

"The best test of truth is the power of the thought to get itself accepted in the competition of the market."

—Abrams v. United States, 250 U.S. 616, 630 (1919) (Holmes, J., dissenting)

Citizens must have unfettered online rights to speak, publish, assemble and petition government for redress of grievances. Only in this manner will citizens be able to critique government policies and submit their thoughts for public acceptance in the electronic marketplace of ideas. To preserve online rights of speech and civic engagement, governments must protect the following:

- Right to free and uncensored personal communication without governmental intervention
- Right to free and uncensored communication in un-moderated public forums or networks
- Right to create or join online communities and forums
- Right to privacy in online memberships
- Right to expect that information sent to elected officials electronically will not be ignored (officials will log comments, respond in timely manner, etc.)
- Right to participate in periodic, online, non-binding government-initiated public opinion polls (e.g., government would conduct public opinion polls, post the results, and publicly respond through committee hearings, legislative resolutions, etc.)
- Right to express opinions on major items pending before local, regional, state and national governments (e.g., right to request and receive prior notification of any pending governmental hearing or decision on a substantive issue of interest to the citizen, together with the right to submit comments by email or other online medium)

3. Right to Privacy

- Citizens must be able to participate in various forms of electronic self-government, yet not relinquish the rights of privacy that are often necessary to encourage speech and participation. Accordingly, citizens must have the:
- Right to inspect any **information collected by government on that citizen** and to correct it for errors or omissions
- Right to prevent government and private vendors from selling, disseminating or making public any private information collected by government, where that information personally identifies specific citizens

4. Right of Access & Participation

Online technologies offer powerful new opportunities for citizens to submit opinions, question elected officials and otherwise participate in the decisions of government— including elections and year-round governmental decisions. For this reason, citizens must have the:

- Right of access to government via electronic technologies (email, Internet), irrespective of age, gender, race, income or disability
- Right of access to Internet at low or reasonable rates (tariffs, antitrust enforcement policies against media monopolization, etc.)
- Right of universal access to government information and services via the Internet (e.g., free government supported public points of access through libraries, kiosks, etc.)
- Right to enter into government transactions (e.g., income tax filing) or obtain government services (e.g., auto registration) online
- Right to obtain online answers to specific questions relating to government (e.g., hours of park operation, ways to obtain camping permits)
- Right to vote online in manner that is private, secure and accurate
- Right to sign online petitions to qualify citizen initiatives for the ballot in jurisdictions which utilize the ballot initiative process
- Right to receive voter information on all candidates for elected office and ballot measures in textual and/or video formats via the Web, Internet or Cable TV/DBS/Cellular Video-on-Demand retrieval systems

5. Protection of rights not specifically enumerated in the Bill of Rights

No matter how carefully digital citizens' rights are enumerated, the rapid advance of communications technologies may make some or many of them outdated. For this reason, the list of rights must remain open to accommodate new technologies, opportunities and potential rights. Accordingly, any bill of rights should state:

The enumeration of certain rights of digital citizens shall not be construed to deny or disparage others retained by the

28.0 OPEN LETTERS SPEAKING UP ABOUT HUMAN RIGHTS AND CORRUPTION



28.1 The Problem: Inhumane Government and Corruption

Inhumane Government and Corruption are Two Sides of the Same Coin

JUNE 16, 2018 <https://maydayvictoria.com/?p=956>

By Adam Carlton

Corruption among Australia's top politicians is all the talk now. The common wisdom is that corruption drives the wheels of the Australian political system.

When we hear about this problem in other countries, the retort is often that this just like in Australia.

Prominent human rights barrister and QC, Julian Burnside, says that Australia's politicians are somewhat **lacking in humanity** and have no compunction over breaking the law to meet ends.

"I think it's pretty clear that Australian prime ministers and immigration ministers are **guilty of criminal offences** against our own law," he says.

Burnside adds that "the problem is that **no one can bring a prosecution for those offences without the approval of the Attorney General...**

Out of his concern, Julian Burnside has been involved in a new documentary about the treatment of refugees and asylum seekers. It is called Border Politics.

Australia has been a member of **the International Criminal Court (ICC)** since 2002, and in the time since, has been guilty of "a series of offences [in Australian law] that mirror the offences over which the ICC has jurisdiction."

The treatment of people who arrive in boats on Australian shores **provides an insight**, as to how far the political establishment has been prepared to go, to act unlawfully, when to do so is convenient. This is an attitude that easily transfers into cutting corners, when it comes to such things as acquiring funds for re-election and making deals for personal gain.

A long line of politicians have found themselves compelled to stand down in recent years, because they have been found with their hands in the till or pocketed some cash when they shouldn't have. The line is not getting any shorter.

There is something even more damning than the **mountain of evidence of wrongdoing**. There is so much of it, that a new story makes the headlines almost every day. What is worse, is that very **few will ever end up before a court**. If by any chance, they happen to be one of the very few charged and tried, they can be certain to let off with the proverbial slap on the wrist.

Virtual **immunity** from serious consequences is an incentive for wrongdoing.

Explaining away corruption as the doings of a few dishonest individuals, goes nowhere near coming to terms with the problem. Our top politicians exist in an environment of raw capitalism, where the **handshake** in a closed room is the normal way of doing business. Match this with a dependency on a well-oiled lobbyist industry, working for wealthy corporations and making a living out of setting up meetings with politicians, where promises are made and deals struck.

This is reinforced when **many of our politicians don't exist in the social world** that most of us inhabit. Theirs is that of high society, where they are feted and encouraged to see themselves, as part of an elite. A certain identity and way of thinking becomes a lifestyle.

Political life is transformed into a **replica of the boardroom**, where the business of the day is rewarding the shareholders. In this case, they are this same social circle. Those who are reluctant to accept this, only need to look at what has been going on with the banks. They are **intertwined** with every major corporation operating in the country, and if there is corruption there, it exists across industries. All are caught up in the same financial web.

In this, we see a **unity between the corporate world and our top politicians**. One lot are prepared to pay for services. The other lot are prepared to deliver them.

If we want it to be different, the overwhelming **influence of the elite social network** must be broken, and the corporate way of doing business must be transformed into something completely different. In other words, we need a democratic economy.

This means that **economic power** is transferred away from the big investors and boardrooms, to the whole of society, where transparent mechanisms for collective decision making and action, match up to the energy of individual initiative.

Until we realise this and make it happen, our **corrupt political system** will continue to carry on business as usual.

The alternative is to create the conditions for **honest and accountable** political leadership, eliminate the economic and social cost of corruption and to raise the humanitarian side of our politics, because service to one self is no longer the oil that greases the wheels of the system.

28.2 An Open Letter for a Integrity Commission

ADVERTISEMENT

Open Letter on the Establishment of a National Integrity Commission

AN OPEN LETTER

Dear Prime Minister Scott Morrison

Confidence and trust in government and public institutions is at an all-time low. When this confidence and trust is diminished, pessimism, divisiveness and conflict increase; and social cohesiveness is harmed. As a result, the economy and the welfare of all Australians suffers. Ultimately, as international experience has shown, democracy itself is threatened and may be irreparably damaged.

Governments ignore at their peril demands by citizens to combat corruption with vigor.

A major cause of the current deterioration in trust is the suspicion that corruption permeates many governmental decisions and actions. Corruption, broadly understood in this context, occurs when those in public office place private interests over the public good. The avoidance of corruption is an essential organising principle of our representative democracy.

Secrecy is at the core of corrupt conduct. Electronic communications and advanced developments in IT provide formidable means of concealing misconduct, which is difficult and expensive to combat. Those involved in large-scale corruption are usually well-organised, experienced, astute and wealthy.

A well-funded and properly resourced national anti-corruption agency, with overall jurisdiction to investigate all public decisions and conduct, and with appropriate powers and protections, is needed to combat them. The price of freedom, and freedom includes living in a society free from corruption, is eternal vigilance.

Existing federal integrity agencies lack the necessary jurisdiction, powers and know-how to investigate properly the impartiality and bona-fides of decisions made by, and conduct of, the federal government and public sector.

A National Integrity Commission is urgently needed to fill the gaps in our integrity system and restore trust in our democracy.

The National Integrity Committee has outlined a benchmark for designing a model integrity commission. It must have a broad jurisdiction and strong investigative powers, including public hearings, in order to adequately investigate and expose corruption and misconduct.

We urge you to immediately establish a strong, effective and independent National Integrity Commission.

<p>The Hon Sir Gerard Brennan AC QC Former Chief Justice, High Court of Australia</p> <p>The Hon Jane Mathews AO Former judge, Federal Court of Australia; former judge, Supreme Court of NSW</p> <p>The Hon David Ipp AO QC Former Commissioner, NSW ICAC; former judge NSW Court of Appeal</p> <p>The Hon Anthony Whealy QC Former judge, NSW Court of Appeal</p> <p>The Hon Paul Stein AM QC Former judge, NSW Court of Appeal</p> <p>The Hon Ken Handley AO QC Former judge, NSW Court of Appeal</p> <p>The Hon Peter McClellan AM QC Former judge, NSW Court of Appeal</p> <p>The Hon Murray Tobias AM QC Former judge, NSW Court of Appeal</p> <p>The Hon Marcia Neave AO Former judge, Victorian Court of Appeal</p> <p>The Hon Bernard Bongiorno AO Former judge, Victorian Court of Appeal</p> <p>The Hon James Thomas AM QC Former judge, Queensland Court of Appeal</p> <p>The Hon Margaret White AO Former judge, Queensland Court of Appeal</p>	<p>The Hon Mary Gaudron QC Former judge, High Court of Australia</p> <p>The Hon Jeffrey Miles AO Former Chief Justice of ACT; former judge, Supreme Court of NSW</p> <p>The Hon Stephen Charles AO QC Former judge, Victorian Court of Appeal</p> <p>The Hon David Harper AM QC Former judge, Victorian Court of Appeal</p> <p>The Hon Geoff Davies AO QC Former judge, Queensland Court of Appeal</p> <p>The Hon Henric Nicholas QC Former judge, Supreme Court of NSW</p> <p>The Hon Bill Windeyer AM Former judge, Supreme Court of NSW</p> <p>The Hon David Kirby QC Former judge, Supreme Court of NSW</p> <p>The Hon John McKechnie QC WA CCC Commissioner; former judge Supreme Court of WA</p> <p>The Hon Chris Steytler AO QC Former judge, Supreme Court of WA</p> <p>The Hon Peter Lyons QC Former judge, Supreme Court of Queensland</p>	<p>The Hon Tony Fitzgerald AC QC Former judge, Federal Court of Australia; former President, Queensland Court of Appeal</p> <p>The Hon Margaret McMurdo AC Former President, Queensland Court of Appeal</p> <p>The Hon Alan Wilson QC Former judge, Supreme Court of Queensland</p> <p>The Hon Geoffrey Miller QC Former judge, Supreme Court of WA</p> <p>The Hon Betty King QC Former judge, Supreme Court of Victoria</p> <p>The Hon Wayne Haylen QC Former judge, NSW Industrial Court</p> <p>Judge Phillip Nase Former Queensland CMC Commissioner; former judge District Court of Queensland</p> <p>Judge Greg Woods QC Former judge, District Court of NSW</p> <p>Judge Stuart Campbell Former judge, County Court of Victoria</p> <p>Judge Sarah Bradley Former judge, District Court of Queensland</p> <p>Judge John Robertson Former judge, District Court of Queensland</p>
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Add your name to the open letter
Visit > theaus.in/integrityopenletter



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28.3 Open Letter from NSW Police

Note: Extracts from the COVID-19 Submission Reports in support of the police. Also refer Corruption Report

- Source: Links between Ruby Princess & Past Liberal Party Corruption (Preparedness Report 2):** *The NSW Government announced today that NSW Police Commissioner Mick Fuller has been tasked with investigating the circumstances surrounding the docking of the Ruby Princess. We hope the investigation into this very serious matter is more onerous and stringent than the supposed investigations that the sneering Energy Minister Angus Taylor faced over his childlike forgeries. People have quite literally died because of this debacle. And yet, still, all we largely get is political games...indicates a link between Health Minister Hazzard and David Jones, as follows: "...What Hazzard didn't tell the public about though was his own long personal history with senior staff members at Carnival Cruises: such as its head of corporate communications, David Jones...early 1990s and to a moment in time that both Hazzard nor Mr Jones would want to remember...being involved in the downfall of your own Liberal Party premier on corruption charges...Mr Jones was a news reporter for Channel Seven in the 1980s before he left the heady world of television in June 1990 to become the chief media adviser for then-NSW Premier Nick Greiner....Only a year later, in 1991...Hazzard would enter NSW Parliament as the member for Wakehurst...In early 1992, with Premier Greiner having to govern in a minority government with the support of independents, Hazzard thought he had a bright idea when he remembered that former Liberal MP turned Independent, Terry Metherell, had previously expressed interest in gaining a cushy, plum director's job with the Environmental Protection Authority. Seeking a meeting with Premier Greiner, Hazzard suggested to the premier's team that they could give the job to Metherell so that a by-election would be called; one which the Liberal Party was positive of winning and would allow it to strengthen its unwieldy grip on power in the state. Premier Greiner subsequently created the job for Metherell but would end up losing his own after being called to front the ICAC on corruption charges. The ICAC found Greiner's conduct could be seen "by a notional jury as conducting himself contrary to known and recognised standards of honesty and integrity". The ICAC hearing saw Greiner and Hazzard eventually both admitting that their original statements to the inquiry were wrong. Greiner is now the national president of the Liberal Party. On his LinkedIn profile, Mr Jones describes his time working with Greiner in the Premier's office as "an excellent career experience but a position subject to the vagaries of political fortune good and bad". Mr Jones also happens to be the father of Gemma Jones, who is the Daily Telegraph's deputy editor. Just six months ago, Mr Jones posted on social media a photo of himself going out to meet the Ruby Princess as it docked in Sydney last October 23..." (Note World Economic Forum coronavirus simulation 18 October 2019).*
- Source: The Carnival Cruise Ship That Spread Coronavirus Around the World (Preparedness Report 2):** *The state government was desperate to resolve the situation. "I've drawn a line in the sand and I want this ship gone," Fuller told the Australian.*
- Source: Ruby Princess Inquiry Bret Walker Interviews Dr McAnulty (Preparedness Report 2):** *The inquiry today heard... Swabs taken from two passengers later came back positive for COVID-19, but only after 2,600 passengers had disembarked... a pathology lab sent NSW Health officials an email advising of the positive results at 9pm on the day the ship docked. However, Dr McAnulty conceded it was "not read by a human" until the following day. Dr McAnulty was also asked about NSW Health guidelines to the public, released on March 12, which encouraged social distancing measures of keeping 1.5 metres between people in public spaces. This did not happen when thousands of Ruby Princess passengers disembarked on March 19, swarming bus stops, taxi ranks and train stations. Dr McAnulty said he was unaware of anything the cruise industry had done to ensure social distancing.*
- Source: Exclusive: President Donald Trump has paedophile protector Pastor Brian Houston at The White House (Australia Report 5a):** *Did Scott Morrison or the government know of Brian Houston's visit to The White House? Did the police give Brian Houston a security clearance? Did the Australian government advise the US Government that Brian Houston is under investigation by the NSW police? Has Scott Morrison or the government spoken to the NSW police in regards to Brian Houston? Did Scott Morrison call the NSW Police Commissioner Mick Fuller and discuss the Brian Houston investigation as Morrison did with the Angus Taylor investigation?*

Federal Government⁶⁸ funded Medical Research Future Fund, big Pharma and Peter Doherty Institute:

80	Fast-tracking research into treatments announced	21-Mar-20	The Government announced it will provide \$13 million (from the Medical Research Future Fund) to fast-track research into treatments for COVID-19.	Department of Health
81	\$2.6 million for coronavirus research	21-Mar-20	The Government announced it will invest more than \$2.6 million in cutting-edge diagnostics research at the Peter Doherty Institute for Infection and Immunity, to tackle the evolving novel coronavirus health emergency.	Department of Health

Bill Gates: Inovio University of Queensland Grants \$21,887,016 (COVID-19 vaccine): Source Industry Report 2a.

GRANT \$21,887,016				
University of Queensland	2020	Agricultural Development	Global Growth & Opportunity	\$18,664,540
University of Queensland	2020	Agricultural Development	Global Growth & Opportunity	\$3,222,476

⁶⁸ Source Sub03_Att01_Department of the Prime Minister and Cabinet.



October 26, 2020

To: Michael Fuller
Police Commissioner of New South Wales

RE: Open Letter Concerning the Police Enforcement of ongoing COVID-19 restrictions

We are writing to you to raise concerns we have about the use of the police to enforce the ongoing restrictions placed upon our citizens relating to COVID-19, which has seriously eroded community trust in our great police force.

Since the Attorney General Declared a State of Emergency for the novel coronavirus, our governments have acted upon certain powers to impose restrictions on its citizens, using the police to enforce their rules.

Due to the novel nature of the SARS-CoV-2 virus, most people concurred that certain restrictions should be followed, until more was learnt about the virus.

With the initial modelling from the Imperial College in the UK ^[1] and the Peter Doherty Institute here in Australia, indicating a catastrophic number of cases that would severely burden our hospital system and could result in up to 150,000 Australian deaths ^[2], it is easy to comprehend why our governments would respond as they did and why the vast population would comply.

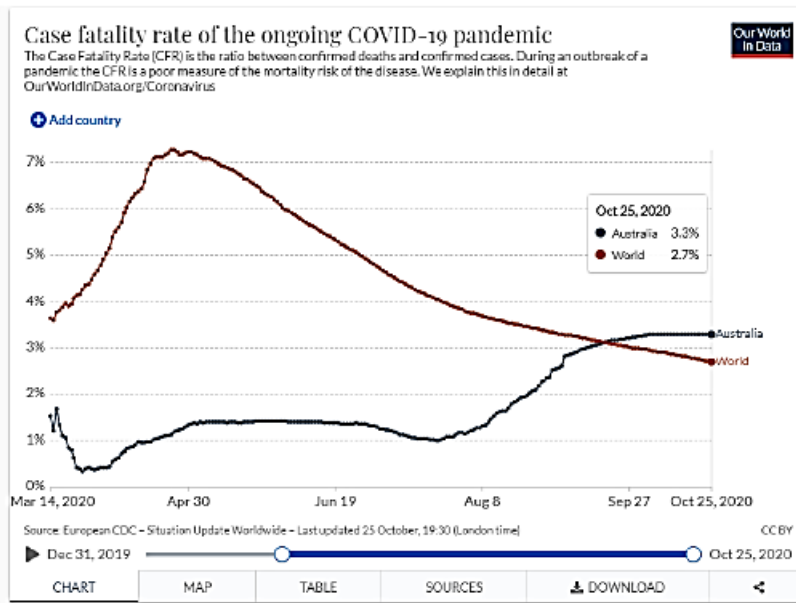
With these frightening projections it became evident that we needed to find a way to quickly diagnose the disease. Yet the Centre for Disease Control in the US states that "no quantified virus isolates of the 2019-nCoV are currently available". ^[3] So even without the virus being isolated, the RT PCR test was picked to become the gold standard for testing.

We note that the modelling was later found to have serious calculation errors, such that experts who later reviewed it have said "no serious scientist gives (it) any validity". ^[4, 5] And now the RT PCR test has been proven to be unreliable at best, with the inventor stating it should "never be used to diagnose infectious disease", because it cannot tell if what it detected is alive or dead. ^[6, 7, 8] This test is still being relied upon to make critical decisions in the interest of public health and safety.

In the same way we cannot use an inaccurate speed detection device to proctor a civilian's speed, the same must be demanded of a faulty RT PCR test and as such, police should not in any way mandate testing for covid-19, or rely on any outcome of the results.

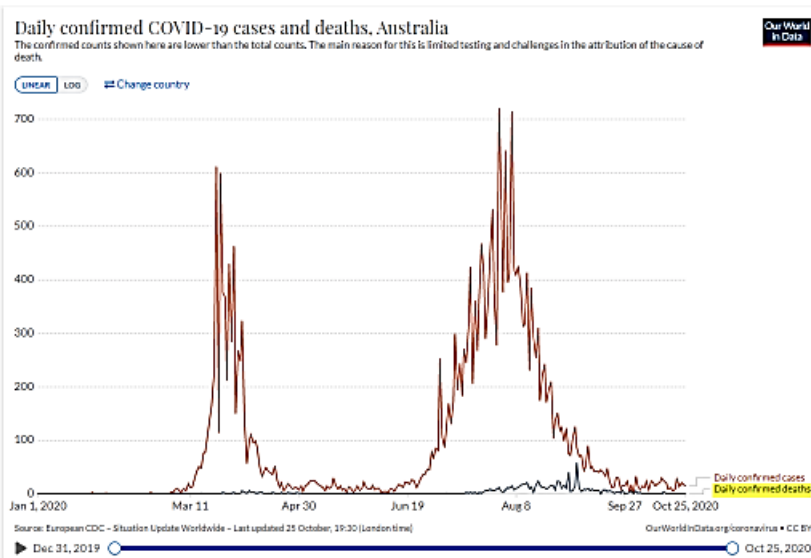
For example, we now know that around 45% of people who contract the virus are asymptomatic ^[9] and asymptomatic transmission is between 0-2.2% ^[10]. We also know that 80% of people who contract the virus will only have mild symptoms ^[11] and it is overwhelmingly the elderly and immunocompromised who are at risk of severe symptoms that could result in death. ^[12]

At the time of writing, the world-wide survival rate for covid-19 is 97.3%. ^[13] The ordinary flu is 99.9%. ^[14]



Furthermore, statistics clearly show that while the confirmed cases may be on the rise, the percentage of deaths is plummeting.

Here are some statistics which reflect this reality: -



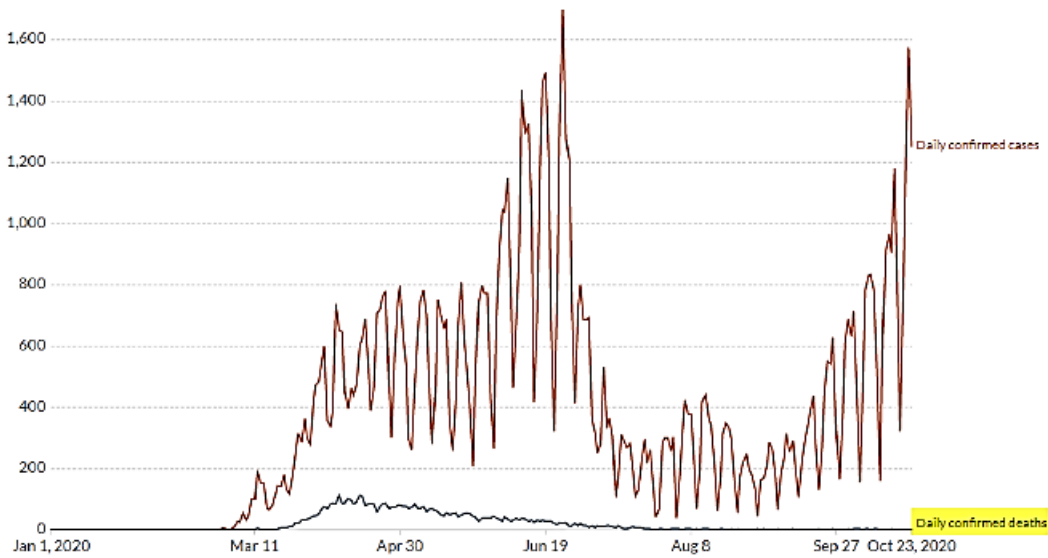
Sweden and Taiwan did not enforce lockdown on its citizens like much of the world did. Although Sweden failed to take better precautions to protect the elderly in the early stages, their death rate is comparable, and Taiwan's is outstanding: -

Daily confirmed COVID-19 cases and deaths, Sweden



The confirmed counts shown here are lower than the total counts. The main reason for this is limited testing and challenges in the attribution of the cause of death.

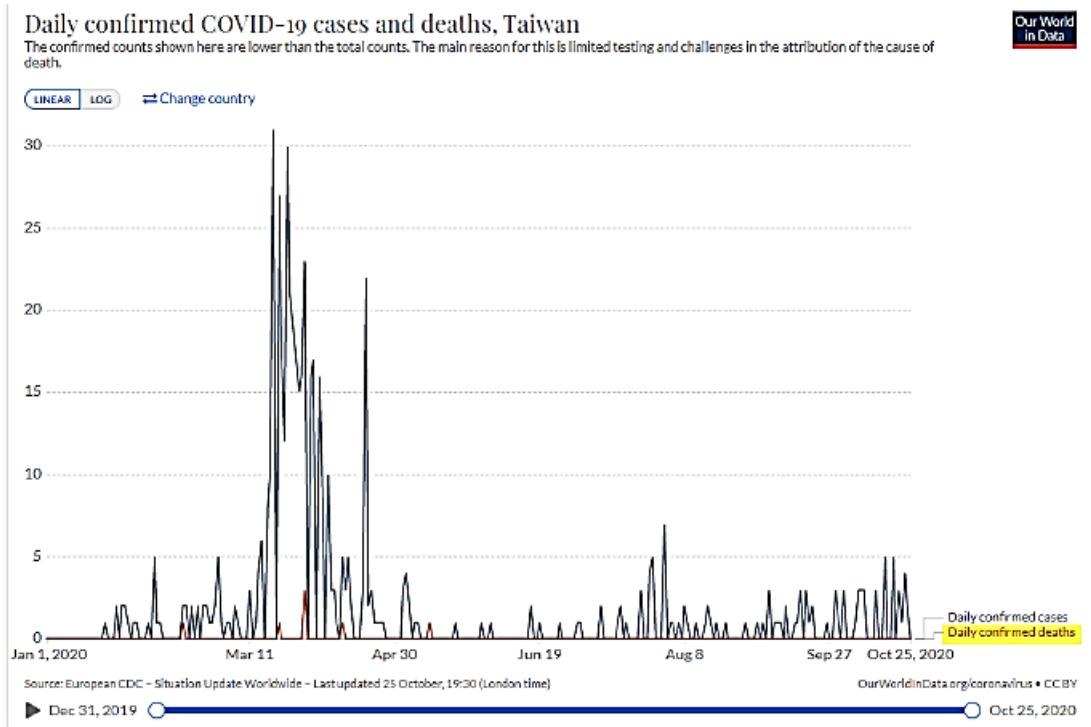
[LINEAR](#) [LOG](#) [Change country](#)



Source: European CDC - Situation Update Worldwide - Last updated 25 October, 19:30 (London time)

OurWorldInData.org/coronavirus • CC BY

Dec 31, 2019 Oct 23, 2020



The statistics show there is a high infection rate across the globe, but very low deaths; regardless of whether there was forced lockdowns or not. What we can derive from analysis of this is that these two distinctly different ways have resulted in much the same outcome.

We note from the recent Federal budget, huge debt and unemployment, is that our lockdowns have created a series of problems that now seem to outweigh the threat this virus poses. In our line of work, we know that the socioeconomical problems created here will transpire into a greater threat down the track, as people struggle to deal with the collateral damage this is causing.

We have been told that the advice from the World Health Organization is a key aspect to the National Cabinet response, yet Dr David Nabarro of the WHO recently stated "We in the World Health Organization do not advocate lockdowns as the primary means of control of this virus," [15]

So in spite of the facts, as they stand now, it would appear that the National Cabinet has been lagging in its capacity to adapt to the reality of the situation and this is causing them to fail in their duty to respond in proportion to the risk. The risk being overwhelmingly with the elderly and immunocompromised. [16, 17, 18]

What is even more concerning is the prohibition on prescribing hydroxychloroquine for COVID-19 [19], when over 121 peer reviewed scientific studies have shown it to be effective in treating and preventing the disease [20, 21, 22]. Instead, the federal government has done a vaccine deal with AstraZeneca [23] and Australians told we cannot expect to go back to normal until a vaccine arrives.

AstraZeneca has been found guilty of offences relating to off-label or unapproved promotion of medical products, making false claims, kickbacks and bribery, consumer protection violation, healthcare offences, government-contracting violations and more. Since 2000 they have been fined over US\$1.1billion dollars for these offences and violations. [24] Still, they have been granted protection from future product liability claims relating to its COVID-19 vaccine [25].

Alarmingly, Prime Minister Scott Morrison stated they will make the vaccine "as mandatory as you can possibly make it" [26], in spite of the criminal record of its producer, their exemption from liability claims, the fact we already have at least two approved and extremely safe medications in Ivermectin [27] and hydroxychloroquine; shown to be effective treatments and the reality that the virus does not pose a serious threat to the healthy. It seems these decisions appear to be corporate interests, not in the best interests of public health and wellbeing as is claimed.

All this indicates that the ongoing restrictions on the healthy population is a disproportionate response, yet the police are still expected to continue to enforce these measures and at risk of being forced to vaccinate against a disease that is showing not to be virulent, with a vaccine that has had no long-term safety studies and then forcing it upon the population. The evidence would suggest resources are better directed to protect the vulnerable.

We are concerned with the legitimacy of the actions we are being told to take against the citizens of Australia. States and territories cannot rise above the commonwealth constitution as well as international treaties we are signatories to, yet this is occurring.

Under the state of emergency, the emergency requirements are qualified and restricted by the significant fact that emergency requirements and directions cannot request an individual to be isolated, detained, tested, vaccinated, medically treated or bodily searched in the absence of a biosecurity control order issued to the individual.

These measures are referred to as biosecurity measures and are captured under Subdivision B of Division 3 of Part 3 of Chapter 2 of the Biosecurity Act 2015. ^[28]

(Emergency and public health powers, at the States and Territories, do not provide a carte blanche to breach an individual's human rights by isolating them, or detaining them or testing them without the proper required notifications and risk assessments first).

There is an inter-governmental agreement ^[29] which places the Commonwealth in the lead as well as the Australian Health Sector Emergency Response Plan ^[30]. This ensures that the States and Territories act to compliment the Federal Legislative Framework.

Article 7 of the international convention of civil and political rights states "no-one shall be subjected to torture or to cruel inhuman, or degrading treatment or punishment, in particular, no-one shall be subjected without his free consent to medical or scientific experimentation." ^[31]

Article 27 of the Vienna convention on the law of treatise "A party may not invoke the provision of its internal law as justification of its failure to perform a treaty." ^[32]

Section 109 of the commonwealth of Australia constitution states "when a law of a state is inconsistent with a law of the commonwealth, the latter shall prevail, and the former shall to the extent of the inconsistency be invalid." ^[34]

With federal and international legislation breaches, it will be taken that we are complicit and consensual in their undertaking on the people of Australia, potentially rendering us criminally liable under the Crimes Act 1914 ^[35], as well as the Criminal Code Act 1995 ^[36].

Many members of the force are fed up with the approach to enforce oppressive rules placed upon the population in the name of COVID-19 and the looming mandatory vaccinations. We feel a real calling to do our part to stop this oppression, so we are writing to you to raise the following issues:-

- Police Force employees have 'choice' as to whether or not to receive vaccines;
- The Police believe that all members of the community also have choice around receiving vaccines;
- Police do not participate in any way in the forcing of vaccines upon the population;
- That the Police Association start preparing to defend Police employees who choose to not be vaccinated
- To raise the alarm that there is a global dictatorship occurring and the Police Force is being used as a tool to push these global and corporate agendas upon the population; and
- To warn the Police Force not to simply acquiesce to these requests, rules and laws and to act in the best interest of its population, not tyranny of government.

Recently letters have been written to our leaders from the legal fraternity, including high profile Judges and QC's ^[37], The Australian Institute for Progress penned by 30 public

intellectuals including 15 professors of relevant disciplines, one of whom is an advisor on health and well-being economics to the UK government ^[38], Advocate Me's open letter to all leaders seeking to review disproportionate response to SAR-CoV-2 ^[39], as well as hundreds of doctors from the medical fraternity ^[40]. Despite the government continually parroting that they are following the advice of *'the experts'*, all these requests have been ignored and the police used as the enforcers of these senseless rules.

We ask that you consider the information provided herein and the NSW Police Force statement of values: -

Each member of the Police Force is to Act in a manner which:

- Places integrity above all;
- Upholds the rule of law;
- Preserves the rights and freedoms of individuals;
- Seeks to improve the quality of life by community involvement in policing;
- Strives for citizen and police personal satisfaction;
- Capitalises on the wealth of human resources;
- Makes efficient and economical use of public resources; and
- Ensures that authority is exercised responsibly.

Many of us believe that we are removing our own rights and freedoms by enforcing these rules upon the community, including our family and friends. And the community are confounded by the intensified police enforcement around peaceful freedom protests and how inconsistent this was when compared with the Black Lives Matter protests. This contradiction is further destroying public confidence.

We are reaching out to all our fellow police officers across the country, to write a similar letter to their respective police commissioners, or sign our form at <https://advocateme.wixsite.com/copsforcovidtruth> to show your support for this stance, which we have called **Cops for Covid Truth**.

With trust in our police force now seriously eroded, we ask you to consider now challenging the necessity of the ongoing restrictions to restore community trust, by being an integral part of returning our State and Country back to normality.

Regards

Alexander Cooney
Senior Constable Coffs/Clarence Highway Patrol
NSW Police Force Grafton Police Station
5 Duke Street Grafton NSW 2460

And other signatories

All source reference links below:-

1. <https://www.imperial.ac.uk/news/196234/covid19-imperial-researchers-model-likely-impact/>
2. <https://www.smh.com.au/politics/federal/australia-prepares-for-50-000-to-150-000-coronavirus-deaths-20200316-p54amn.html>
3. <https://www.fda.gov/media/134922/download>
4. <https://www.heritage.org/public-health/commentary/failures-influential-covid-19-model-used-justify-lockdowns>
5. <https://www.nationalreview.com/corner/professor-lockdown-modeler-resigns-in-disgrace/>
6. <https://www.cdc.gov/coronavirus/2019-ncov/testing/serology-overview.html>
7. <https://www.tga.gov.au/covid-19-testing-australia-information-health-professionals>
8. <https://needtoknow.news/2020/09/oxford-university-says-pcr-swab-tests-for-covid-19-return-false-positive->

28.4 National COVID Class Action

Note: It seems the awakening of the deception that has been occurring through using police to enforce oppression and ignore human rights and International Protocols is starting to emerge as the evidence suggests the PCR tests are faulty and there has been no response to Alexander Cooney's letter to the Police Commissioner in NSW. This suggests a conspiracy is occurring. Notable extracts: "...MELBOURNE layer Serene Teffaha has taken NSW police COVID whistle-blowers on board with her national class action over human rights abuses under the COVID-19 government responses, particularly Victoria's Dan Andrews Labor government. Serene's Advocate Me Lawyers firm in Melbourne is representing Senior Constable Alexander Cooney and Senior Constable Kevin Dawson, who recently blew the whistle on police being forced to violate human rights as part of COVID regulations enforcement. The police also published a lengthy article debunking the many myths around the COVID-19 narrative being used by governments. "The aim is to get traction with the NSW Police Commissioner and soon other commissioners across the states and territories as more brave whistle-blowers come forward," Teffaha told Cairns News. "As a Victorian, I thought that the first officers that will come forward are from Victoria but the reality is that I have NSW officers to be more outspoken and fearless. I can't even tell you how nervous I am for them and what is to come.

DEC 7

Posted by **Editor, cairnsnews**

By EDITOR, Cairns News



Serene Teffaha of AdvocateMe Lawyers on a recent Zoom call.

MELBOURNE layer Serene Teffaha has taken NSW police COVID whistleblowers on board with her national class action over **human rights abuses under the COVID-19 government responses**, particularly Victoria's Dan Andrews Labor government.

Serene's Advocate Me Lawyers firm in Melbourne is **representing** Senior Constable Alexander Cooney and Senior Constable Kevin Dawson, who recently blew the whistle on police **being forced to violate human rights** as part of COVID regulations enforcement. The police also published a lengthy article debunking the many myths around the COVID-19 narrative being used by governments.

"The aim is to get traction with the NSW Police Commissioner and soon other commissioners across the states and territories as more brave whistleblowers come forward," Teffaha told Cairns News.

"As a Victorian, I thought that the **first officers that will come forward** are from Victoria but the reality is that I have NSW officers to be **more outspoken and fearless**. I can't even tell you how nervous I am for them and what is to come.

"But I believe this to be a chain reaction. We have many more officers who have come forward and I am working on helping them find their voice. We need to work with **our boys and girls in the army and police.**

"They are the hands of **those that wish to destroy our freedoms.** They need to understand how they are being used. Please get behind **#copsforcovidtruth** and sign up to learn about all the other actions we are taking and the other **whistle-blowers from the medical industry** we are representing.

"It is a lot of work and I am a bit overwhelmed but your support and sign up will create a big difference and keep you in the loop. To all the people who are supporting – thank you. And to all those who want to create doubt and target others, **I wish you healing and awakening.**"

Serene Teffaha's website is <http://www.advocateme.com.au> where all of the AdvocateMe projects are. "We will not stop!" said Serene.

THE PROJECT

On October 26, Senior Constable Alex Cooney sent an open letter to NSW Police Commissioner raising **concerns about how the police force were being used** during the State of Emergency powers and questioning the **proportionality** of the response to the threat of COVID-19. In it he challenged the current mainstream narrative, using well-researched references and called for an **investigation.**

Alex called out to other members of the police to show their solidarity, and join him in his quest and in under a month, **more than 52,000 downloaded and circulated his letter, over 6500 signed his form to show their support,** which included hundreds of police and military officers.

After giving the commissioner a month to respond, Snr Constable Kevin Dawson has accepted the challenge and **issued his own open letter,** declaring his support of Alex' request for a thorough investigation.

This "Cops for Covid Truth" movement', and two very powerful open letters, provide an insight into the growing concern with the government's measures for handling the pandemic, and the use of police to enforce them. **At Advocate Me,** we have thrown all our resources into supporting these brave officers, and are **openly inviting more,** across the entire country to join this movement.

If Australia is a truly **democratic society,** why use the police force to **silence any dissenting voices?** The real question is: Will the NSW Police remain silent and complicit on this matter, or will they remember the **oath of office and statement of values,** and open a meaningful probe into a critical matter of public interest and a return to good judgement in policing?

In the words of Kevin Dawson, **"if there is truly no conspiracy here,** why aren't we having the conversation?"

Serene Teffaha and the team
Advocate Me

MAY THE FORCE BE WITH YOU

As we watch on with fear as **Europe's flu season begins**, covid-19 cases spike and governments start implementing even more **harsh lockdowns**. it's difficult to feel positive as we bear witness to what appears to be a cycle we are likely to encounter again.

The questionable tactics employed in the **name of public health interests**, must be reviewed thoroughly to ensure proper process is adhered to preserve our health, while also upholding our **sovereignty and basic human rights**.

It is said the definition of insanity is to repeat the mistakes of the past, expecting a different result. **Watching the upheaval in Europe** tells us that the people have learned and spoken, but the government hasn't listened. We cannot afford to make the same mistakes again.

Central to the government response is the **enforcement of their restrictions**. Our police forces have been propelled into **unprecedented circumstances** and demanded to enforce arbitrary rules without due diligence and in the unfolding **chaos**, we have been witness to the paradox of brutality in the name of health and well-being.

In the process **public trust in government and the police is corroding** almost as rapidly as **suspensions around their intentions**, questioning agendas, corporate influence, nepotism, partiality and how Chief Health Officers that were not elected, can dictate in what appears to be an **autocracy**.

The central plot in the George Lucas classic Star Wars, is a battle between an evil Empire and a virtuous Rebellion, fighting injustice and in 2020 you can easily be excused for thinking we are living this.

But the actions of a few do not reflect the many. Our police forces protect us and many are good, honest and caring individuals who are doing their best to keep our communities safe. Is it really fair to become so apprehensive of the very people who have made it their job to serve and protect us? We can only judge them by their actions.

It is now apparent that **some officers share these same concerns**. Concerns about what they are being asked to do. Concerns about **oppressive rule** and their part enforcing them. They see the erosion of trust occurring and as human liberties and freedoms are removed from their family, friends and communities in which they live, the burden is heavy.

But one brave officer has had the courage and conviction to speak out. A Senior Constable from the New South Wales police force, **Alexander Cooney** has asked the Commissioner in an open letter to challenge the directions they are being given, instead of simply acquiescing to them and in the process, restore community trust and a return to normalcy.

He has started a movement he calls "Cops for Covid Truth" and his letter is a compelling read. At Advocate Me, we have thrown all our resources in supporting him and **openly inviting** Police Officers across all the States and Territories to join his movement.

A **unity** is forming here in Australia and around the world. People are demanding truth, transparency and accountability in government and with some members of the police force lending their weight to this probe, it may be the very thing that **shifts the balance of power in this way**.

If this really is a George Lucas battle between the virtuous and an evil Empire, it cannot endure without its storm troopers. May the force be with us.

(it is – so be it!)

THE HARD TRUTH

- The RT PCR TEST is **fatally flawed**, which is why its inventor stated it **should never be used** to diagnose infectious disease
- According to the **US Center for Disease Control, the SARS-CoV-2 virus has not been isolated**
- The **initial computer modelling** that was used to justify the lockdowns, has been shown to be so **badly flawed** that experts have said "**no serious scientist gives any validity**", yet lockdown has remained
- Lockdowns are **not recommended by W.H.O.**
- **The low death rate**, even in countries without lockdowns, indicates there is **no emergency**
- **There are safe medications** known to be effective treatments and preventatives, yet these have been **prohibited and a rushed vaccine** is being forced upon us
- **The guidelines for codifying** the statistics allow for them to be **inflated**
- **Financial incentives** are provided in return for positive test results
- **Major conflicts of interest appear** to be involved in **critical decision making**

Our governments have **locked down the healthy**, instead of better protecting the vulnerable.

More than **80% of those with COVID-19** have either very mild symptoms, **or none at all**.

Asymptomatic transmission is **highly unlikely (between 0 & 2%)** and yet the government remains wedded to locking down its people, causing catastrophic social and economic harm.

Even the **World Health Organization** do not advocate for lockdowns as the primary means of controlling the virus.

Yet the **police are expected to continue to enforce** these measures and at **risk of being forced to vaccinate against a disease that is showing not to be virulent**, with a vaccine that has had no long-term safety studies and then forcing it upon the population.

THE FORCE IS WITH YOU

One senior member of the **NSW Police Force Public Order & Riot Squad, Kevin Dawson**, has met the challenge, issuing his own open letter raising similar concerns about bureaucratic influence in the force, the enforcing of "**arbitrary rules**" that are "**often confusing...often infringing upon basic human rights...causing harm when it is apparently meant for good**" and "**causing the demise of good judgement in policing**".

In the letter he raises questions of "**the legality of the infringement notices** we have been asked to issue", citing the **absence of a declared State of Emergency** in New South Wales.

Of alarming concern is the **instruction** given to the police to assist with the BLM and Armenian protests, while making an example of **protesters deemed to be "anti-government" with a "get them quick" attitude**.

Kevin pointed out the **clear bias to break up a small protest** held between the NRL Grand Final, attended by 40,000 and a pub with an extended liquor license to accept double patronage, using "safety reasons" as the purpose. He pointed out that there are **clear prejudices coming from above**, and brought into question the moral and ethical standards in the present state of the force, ultimately questioning if there is another agenda at play.

In one powerful statement Kevin states: "It appears that the **medical establishment has taken over the decision-making through unelected Chief Health Officers**. Their decisions corner us into relenting to their

demands, so **questioning the factual basis of these decisions should be encouraged**. If there is truly no conspiracy here, why aren't we having the conversation?"

Kevin makes the point that "when we assume a person has committed a crime, we conduct an investigation, **yet when a citizen assumes wrongdoing by its government, it's called a conspiracy theory. If this is not covert social conditioning**, then I put it to you that we need to be openly discussing the points raised in Alexander Cooney's letter."

From the actions of one brave officer having the courage and conviction to speak out, a chorus of support has sprung forth, with Kevin another link in a clear chain reaction of discord. Just like Alex Cooney, Kevin is also calling on the NSW Police Commissioner to question the government's directions, in the hope of restoring community trust in our police force.

This "Cops for Covid Truth" movement', and two very powerful open letters provide an insight into the **growing concern with the government's measures** for handling the pandemic, and the use of police to enforce them.

At Advocate Me, we have thrown all our resources into supporting these brave officers, and are openly inviting more, across the entire country to join this movement. To sign up to show your support, [click here](#) and complete the online form.

THE HARD TRUTH

- NSW is NOT operating under a State of Emergency, yet the police are being compelled to enforce directions on the basis they do, when it is clearly without these additional powers
- Bias shown to BLM and Armenia protesters where police were asked to assist these groups to protest, and to "make an example" of people protesting anything anti-government, with a "get them quick" attitude.
- Use of terms like "anti everything hippies" to describe these protesters, is indicative of the prejudice coming from above.
- Unprofessional conduct called out, where obscenely derogatory remarks about anti-government protesters, raises serious moral and ethical questions about the present state of the force.
- Police made to break up a small protest sighting "safety concerns" as the reason, while tens of thousands nearby were permitted at the NRL grand final and its precinct.
- The medical establishment has taken over the decision making through unelected Chief Health Officers.
- Weeks have passed with no response to Alex Cooney's open letter, motivating further action from within the force.

28.5 AdvocateMe Letter to the Parliament

The following screenshot is of a letter sent to Australian Parliamentary leaders. May the force be with us. It is.

Our Ref: LKDWN:CLASSACTION



20 August 2020

Mailing Address: PO Box 7015 Reservoir VIC 3073

The Honourable Scott Morrison MP
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Professional Standards Legislation

The Honourable Gladys Berejiklian MP
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The Honourable Mark McGowan MLA
Email: wa-government@dpc.wa.gov.au

By Email Only

Dear Parties,

Re: Open Letter- Request to Governments to Review Disproportionate Response to SARS-COV-2

We act on behalf of a group of Australian residents who live in the States of Victoria, New South Wales, South Australia, Tasmania, Queensland, Western Australia and Northern Territory and the Australian Capital Territory.

Our clients have been subjected to various directives and laws issued by the respective authorised officers in each State and Territory under their respective public health and emergency legislative frameworks. In some instances, these directives and laws have been made and passed relying upon the decision-making processes promulgated under the Australian Government Crisis Management Framework ('AGCMF') which specifically includes the Council of Australian Governments ('COAG'), the National Security Committee of Cabinet ('NSC'), the Australian Government Crisis Committee ('AGCC') and the National Crisis Committee (NCC). COAG was permanently replaced with the National Cabinet during COVID-19.

Under the AGCMF, the Australian Health Protection Principal Committee ('AHPCC') has been nominated as the peak health emergency management committee responsible for preparing and coordinating the response to national health crises. It consists of all state and territory Chief Health Officers and is chaired by the Australian Chief Medical Officer.

Our clients in Victoria are also extremely distressed by the Declaration of State of Disaster made on 3 August 2020 by the Victorian Premier Daniel Andrews.

The intention of this letter is to communicate to you a summary of the concerns of our clients and request that both the decision-makers at the Federal Government level as well as the decision-makers at the State and Territory level agree to meet with our legal team and experts to provide a comprehensive overview of the evidence that we have accumulated that proves that our decision-makers have acted disproportionately in their response to the public health risks associated with SARS-COV-2.

Further to this, it is our intention to present to the decision-makers sensible approaches that mitigate any perceived public health risks associated with SARS-COV-2. We have a number of experts from various fields and professions that must be heard to properly represent our clients.

We have also detailed our immediate demands at the end of this correspondence.

In the absence of the decision-makers' willingness to engage us in constructive discussions, our clients will be left with no other option but to institute legal proceedings.

We note for the purposes of this correspondence our deep respect for health workers, doctors and other professionals and empathise greatly with individuals and their families who have been directly impacted by SARS-COV-2.

Our correspondence is in relation to the disproportionate approach taken by the decision-makers in relation to their assessment and management of the risks associated with SARS-COV-2.

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Sovereign Governments (independent without foreign interference)

It is recognised that Sovereign Governments must be provided the opportunity to make decisions that require them to balance the competing needs to protect the public interest with the need to protect human rights.

When it comes to the management of a contagion that poses a serious public health risk, both the Commonwealth of Australia and the States and Territories have intersecting responsibilities and duties. In matters involving quarantine powers such as detention and isolation these matters are in the exclusive domain of the Commonwealth, however, the States and Territories have the ability to respond to significant public health events within their jurisdictions.

Given the National State of Emergency and the fact that the contagion represents a national health risk that invokes numerous quarantine powers, we say that the States and Territories need to ensure that they operate concurrently with the Federal Legislative Framework and that any laws and directives passed by them should complement that framework.

Currently, a comprehensive legislative framework exists at the Commonwealth level captured under the [Biosecurity Act 2015](#).

We say that that Act strikes a fair balance between the competing needs to protect the public interest with the need to protect human rights.

The [Biosecurity Act 2015](#) is posited on a very important assumption and that people are healthy until they are shown to be a health risk. This means that all biosecurity security

measures involving matters of quarantine including isolation, detention (including cross-border and returning travelers), treatment, vaccinations, obtaining bodily samples through testing and examinations, contact tracing and wearing clothing and equipment must not be required on any Australian resident without a proper assessment of their individual risk.

An assessment of risk involves demonstrating evidence that a person has the signs and symptoms of that listed human disease and/or has had direct physical contact or was in close proximity to another person who has the signs and symptoms of that listed human disease. A properly authorised individual must show and prove this pre-requisite risk assessment before issuing a person a biosecurity control order or, the States/Territories' equivalent, a public health order.

Unfortunately, the States and Territories have, in some instances, not acted concurrently with the the Federal Legislative Framework when they are required to do.

Preference given to the Biosecurity Act 2015 (in a state of human biosecurity emergency)

Pursuant to section 475 of the Biosecurity Act 2015, the Governor-General of Australia, acting on behalf of the Commonwealth of Australia made a Declaration Order on 18 March 2020. Mr David Hurley provided that biosecurity emergency requirements and directives, made under sections 477 and 478, are to be set by the Federal Health Minister. These quarantine powers should take precedence over any other Australian laws.

As an example, section 477 of the Biosecurity Act provides for the Federal Health Minister to determine emergency requirements during a human biosecurity emergency period. Under that Act, and determinations made under it, Australia has at all relevant times been in such a period.

Section 8 of the Biosecurity Act provides:

“(1) This Act does not exclude or limit the operation of a law of a State or Territory that is capable of operating concurrently with this Act (except as referred to in subsection (2)).

(2) Subsection (1) is subject to the following provisions:

(c) subsections ... 477(5) and 478(4) (biosecurity emergencies and human biosecurity emergencies).”

“Australian law” is defined to mean a law of the Commonwealth, or of a State or Territory (s.9)

Section 477(1) says:

“(1) During a human biosecurity emergency period, the Health Minister may determine any requirement that he or she is satisfied is necessary:

(a) to prevent or control:

(i) the entry of the declaration listed human disease into Australian territory or a part of Australian territory; or

(ii) the emergence, establishment or spread of the declaration listed human disease in Australian territory or a part of Australian territory ...”

Section 477(5) – i.e., the subsection to which s.8(1) is made subject by s.8(2) - says:

“(5) A requirement determined under subsection (1) applies despite any provision of any other Australian law.”

And quite significantly,

Section 477(6) provides:

“(6) A determination made under subsection (1) must not require an individual to be subject to a biosecurity measure of a kind set out in Subdivision B of Division 3 of Part 3 of Chapter 2.

Note: Subdivision B of Division 3 of Part 3 of Chapter 2 sets out the biosecurity measures that may be included in a human biosecurity control order.”

The drafting is inelegant, but the apparent intention is that, when (as now) Australia is in a human biosecurity emergency period, the emergency requirements set by the Federal Health Minister in relation to the prevention and control of an infectious contagion; and further, that by force of section 8(2) and section 477(5), State and Territory laws on that subject, even if

they are capable of operating concurrently with the Biosecurity Act, are effectively muted in preference to the limitations set by the Declaration Order of the Governor-General.

The emergency requirements are qualified and restricted by the significant fact that emergency requirements and directions cannot request an individual to be isolated, detained, tested, vaccinated, medically treated or bodily searched (amongst other actions) in the absence of a biosecurity control order issued to the individual.

These measures are referred to as biosecurity measures and are captured under Subdivision B of Division 3 of Part 3 of Chapter 2 of the Biosecurity Act 2015.

Emergency and public health powers, at the States and Territories, do not provide a *carte blanche* to breach an individual's human rights by isolating them, or detaining them or testing them without the proper required notifications and risk assessments first.

It is noted however that there are limitations to the exercise of these powers to the extent that they apply to officers and employees of the States and Territories (except where an agreement operates) but NOT to the residents of the States and Territories. It is noted here that there is an effective inter-governmental agreement that places the Commonwealth in the lead as well as the Australian Health Sector Emergency Response Plan which ensures that the States and Territories must act to complement the Federal Legislative Framework.

It is also noted that section 109 of the Constitution ensures that inconsistency arising between Commonwealth and State and Territories' laws will be addressed in favour of the Commonwealth.

States & Territories acting in excess of power

The States and Territories have exceeded their powers by bringing in directions and laws under their respective public health and emergency legislation, that allow for the use of force and issuing general directions, that involve biosecurity measures, in the absence of biosecurity control orders and/or public health orders, to groups of healthy individuals.

Elderly people have also been quarantined for unreasonable and extended periods of time, not allowed to go outside in many instances and deprived of essential contact with their families and loved ones. We are now seeing the critical effects of this abusive isolation as more elderly people become sick and die. This has grossly extended the standard 14-day period of detention and isolation otherwise applicable.

In some instances, such as in Victoria and Queensland, Governments have ignored safeguard provisions in their own respective Public Health Acts that ensure that any individual that is to be detained, isolated, tested and treated is issued the appropriate public health orders first and the person is identified as a risk. Healthy people with no signs and symptoms have been required to have an Influenza Vaccination if they are to continue to access their jobs and visit loved ones at aged care facilities, detained in hotel quarantine at cross borders for no logical reason and being required to be tested in the absence of probable cause.

In Western Australia, laws have been introduced that legitimise the involvement of police officers in taking off the underwear of individuals who are being detained for the purpose of vaccination, treatment and medical examination and now in South Australia a proposal has been put to remove children compulsorily from their parents to place them in quarantine facilities. These actions are not only repulsive in our democracy but are simply not endorsed by the Biosecurity Act 2015. They also make a mockery of human rights when refer to safeguards of decency and sensitivity.

The States and Territories have also imposed an inconsistent and crippling framework in dealing with business closures and other business directions.

The wider restrictions imposed on businesses and the community need to be consistent and proportionate with the public health risks identified.

The crippling financial, psychological and social distress that has been caused to the Australian people as a result of the actions taken by the States and Territories cannot be quantified. It is evident to many that the actions of the States and Territories are at best, disproportionate, and at worst, unlawful and unreasonable.

Sovereign Governments must also use appropriate processes to measure serious public health risks. Such processes should include a proper and transparent framework of modelling, isolation of the contagion, testing for the contagion, reporting in relation to recovery, hospitalisation and death and appropriate access to all medical treatments and medications.

It is not permitted for Sovereign Governments to act in a manner where complete elimination of the risk is the target. The Biosecurity Act 2015 clearly states that that is not a possibility. Section 5 of the Biosecurity Act provides '*The Appropriate Level of Protection (or ALOP) for Australia is a high level of sanitary and phytosanitary protection aimed at reducing biosecurity risks to a very low level, but not to zero.*'

Furthermore, there must be sensible data and reasonable epidemiological approaches adopted that don't inflate the risks.

The situation with SARS-COV-2 is influenced by the global response to the contagion and its impacts on making a proper geographical assessment on our region. It is evident that there are serious questions posed with regards to the origin of the virus. It is commonly accepted that SARS-COV-2 originated in Wuhan, China. It is also commonly accepted that China has not been forthcoming and transparent by its identification and management of the outbreak.

Foreign Interference

Australia's relationship with foreign interests is complex. Australian politicians and bureaucrats (both current and former) have formed deep links with the Chinese Government, its Chinese corporations and Chinese billionaires and other Transnational Organisations and Companies such as the World Health Organisation, the United Nations, CEPI being the Coalition for Epidemic Preparedness Innovations (CEPI) that seeks to develop vaccines against emerging infectious diseases (and the numerous institutes and companies it backs), billionaire technocrats such as the Bill and Melinda Gates Foundation, the Wellcome Trust and the World Economic Forum (who also founded CEPI), and other foreign and local billionaires such as George Soros and Andrew Forrest. CEPI is also now working closely with the Chinese Government.

The relationships between the public and private spheres have intersected to such a point that they have completely compromised the Sovereignty of our Governments. This has led to worrisome and troubling deals being struck by our States and Territories' politicians and bureaucrats that have seen our Port Darwin handed over in a 99-year lease to the Chinese Government, the Victorian Premier Daniel Andrews making private deals with the Chinese Government over the 'belt and road initiatives' despite the vacuous protestations of the PM Scott Morrison, and former Secretary of the Department of Finance and the Department of Health Jane Halton taking on numerous, and at times conflicting, positions as the Chair of CEPI and a Commissioner at the executive board of the National COVID 19 Coordination Commission. Jane Halton is also on the board of Clayton Utz, ANZ Bank, Crown Sydney Vault (development of AI for the Australian Government), the board of WHO and the board of ASPI being the Australian Strategic Policy Institute that acts as a think tank that identifies security risks, especially in dealings with China. These are just a few examples of the deep links between our bureaucrats and politicians (both current and former) with transnational interests.

As Australians, we are now being asked to trust these decision-makers, when they have openly admitted to their compromised sovereignty.

It is no doubt that laws that are designed to strike that balance between competing interests of public health and human rights will be undermined by exaggerating the risks that are truly associated with SARS-COV-2, where both foreign interests and local players may seek to benefit from this exaggeration.

China also launched trade strikes on \$1 billion worth of beef and barley in April 2020 after Australia lobbied for an independent inquiry into the origins of the coronavirus. This evidences the power that China can yield over both our economic and political landscape.

It is evident now that States and Territories are ignoring the operation of the Biosecurity Act 2015, the Constitution, and the various human rights legislative frameworks, and using the contagion as a platform to instill technocratic agendas that will see the Police, ADF, ASEO, ASIS, DFAT and the AFP being provided with unprecedented powers over citizens, businesses being destroyed and abolished, our economy ruined, resulting in a significant

increase in suicides, family violence, child abuse and mental illness, and human rights and privacy rights abrogated.

WHO wants the world to believe that asymptomatic people are infectious and yet the WHO has admitted that such a risk only constitutes a percentage between 0% to 2.2%.

Based on this miniscule risk, and now armed with the knowledge that the causal fatality rate in Australia is as low as 1.38%, our Governments are setting debilitating policies and laws that have resulted in the detainment, isolation and testing of perfectly healthy individuals and the wholesale closure and destruction of our businesses.

Science is being used as a political weapon to inflate risks that do not pose significant harm on the majority of the population.

Our Governments are treating healthy people as suspect COVID-19 and requiring them to be detained and tested with no proof of risk and in the absence of being issued biosecurity control orders and/or public health orders.

It appears that there is more effort invested in building a comprehensive surveillance state including facial recognition cameras, Digital ID, biometric data, and a number of other measures, including RFID micro-chipping and immunity passports as previously explored by Australia's Parliament House in a report discussing [emerging technologies in 2005](#).

Problems with Data and Statistics

We have gathered probative evidence from our experts, our clients and public information from our administrators that shows the following:

1. The RT-PCR Tests are not a diagnostic tool

The Chief Health Officers and the Deputy Chief Health Officers have misled the public regarding the reliability of the testing and the information obtained from a positive test, in the absence of clinical observation.

The Australian Government, Department of Health, Therapeutics Goods Administration 'TGA' provides:

'The reliability of COVID-19 tests is uncertain due to the limited evidence base. Available evidence mainly comes from symptomatic patients, and their clinical role in detecting asymptomatic carriers is unclear.'

It is evident that the extent to which a positive RT-PCR result correlates with the infectious state of an individual is uncertain.

The reason for this is because it is understood that RT-PCR tests cannot distinguish between 'live' virus and non-infective RNA.

Even the CDC and the FDA in the US, for instance, concede in their files that the so-called 'SARS-CoV-2 RT-PCR tests' are not suitable for SARS-CoV-2 diagnosis.

'Detection of viral RNA may not indicate the presence of infectious virus or that 2019-nCoV is the causative agent for clinical symptoms'.

And:

'This test cannot rule out diseases caused by other bacterial or viral pathogens.'

And the FDA admits:

'positive results [...] do not rule out bacterial infection or co-infection with other viruses. The agent detected may not be the definite cause of disease.'

It is therefore extremely irresponsible for our Government to purport that RT-PCR testing is a conclusive method of diagnosis and furthermore deliberately set out to confuse the public that people who test positive are infected and/or infectious with certainty.

2. RT-PCR tests give rise to false positives

The Public Health Laboratory Network on Nucleic Acid Test Results Interpretation states

'The SARS-CoV-2 RT-PCR tests used in Australia have very high specificities and the strategy of using a second and/or third SARS-CoV-2 PCR assay with different gene targets increases the specificity of the PCR even further. The combined SARS-CoV-2 PCR testing experience of the PHLN laboratories is that the false positive rate is extremely low.'

However it also provides:

'...using the same test, if a low risk asymptomatic population is tested where the likelihood of infection is 5 in 10,000 (i.e. 0.05%), the positive predictive value is 4.3% (i.e. for every 100 people with a positive test result, four to five will have SARS-CoV-2 infection but 95-96 people without infection will have a false positive result).'

Given the above, the PCR-Tests, in low risk asymptomatic population such as Australia should repeat testing of the same sample and re-sample where possible.

Unfortunately, in Australia, laboratory technicians were advised by our Governments:

'any coronavirus reported by a laboratory as having detected SARS-COV-2 on PCR will be treated as positive for the purposes of public health actions, regardless of repeat testing of the sample. It is not appropriate to advise a patient that a test is false positive without prior consultation with the department.'

Such a practice is not only unacceptable but it also poses a serious risk of inflating the figures reported as COVID-19 when they are false positive outcomes and constitutes a serious interference of the private rights between patients and their doctors and/or clinicians.

Given the reliance on these figures to declare a National State of Emergency, and now in Victoria, a State of Disaster, resulting in highly restrictive measures being enforced on the people of Australia, it is deeply troubling that such a practice has been put in place with Australian laboratories.

More generally, irrespective of the issues of specificity, the RT-PCR tests have been shown to produce at least 30% false positives and 20% false negatives according to a recent [randomised clinical trial](#).

This has also been confirmed by the [John Hopkins University](#) that focused on the alarming rates of false negative results generated by RT-PCR tests

3. Security Risks identified with RT-PCR Tests

The Australian government [announced in late April that it had accepted](#) 10m Covid-19 tests manufactured by the Beijing Genomics Institute, purchased in a \$200m deal brokered by [Andrew Forrest](#), the mining billionaire, and his philanthropic arm, the Minderoo Foundation.

It followed a [report](#) by the Australian Strategic Policy Institute (ASPI) that found a BGI subsidiary, Forensic Genomics International, was linked to what it described as a 'DNA dragnet' involving multiple companies, which collected DNA data from millions of men and boys with no serious criminal history.

The report found the BGI subsidiary partnered with Chinese police to help build genetic databases.

'This program of mass DNA data collection violates Chinese domestic law and global

human rights norms,' the report said. 'And, when combined with other surveillance tools, it will increase the power of the Chinese state and further enable domestic repression in the name of stability maintenance and social control.'

Previous [reports have suggested](#) BGI had involvement in providing gene technology used to surveil the Uighur ethnic minority in Xinjiang province.

4. Suspect COVID-19 Cases

Apart from the serious problems with using the RT-PCR Tests as a benchmark for diagnosis, other serious concerns are also attributed to using the wider label of 'suspect COVID-19'.

Many of our clients have approached us with regards to serious concerns about the standards that are being set and applied in relation to identifying COVID-19 cases.

The [CDNA National Guidelines for Public Health Units for Coronavirus Disease 2019 \(COVID-19\)](#) introduces a category of patient for suspect COVID-19 as follows:

The CDNA National Guidelines for Public Health Units for Coronavirus Disease 2019

(COVID-19) introduces a category of patient for suspect COVID-19 as follows:

Suspect case

Clinical and public health judgement should be used in assessing if hospitalised patients with non-specific signs of infection and patients who do not meet the clinical or epidemiological criteria should be considered suspect cases.

A person who meets the following clinical **AND** epidemiological criteria:

Clinical criteria:

Fever ($\geq 37.5^{\circ}\text{C}$)² or history of fever (e.g. night sweats, chills) **OR** acute respiratory infection (e.g. cough, shortness of breath, sore throat)⁴ **OR** loss of smell or loss of taste.

Epidemiological criteria:

In the 14 days prior to illness onset:

- Close contact^{3,4} (refer to [Contact definition](#) below) with a confirmed or probable case
- International travel
- Passengers or crew who have travelled on a cruise ship
- Healthcare, aged or residential care workers and staff with direct patient contact
- People who have lived in or travelled through a geographically localised area with elevated risk of community transmission, as defined by public health authorities⁷

It appears that many of the COVID-19 numbers of infected people being reported nationally, and particularly in Victoria are suspect cases, rather than probable or confirmed cases.

Furthermore, there are concerns with double counting once suspect cases become confirmed or probable. Another serious issue is contact tracing. It appears that the States and Territories are not complying with the strict requirements of providing prescribed contact information when they identify someone as a suspect case. And in many other situations, people are being identified as suspect cases, through contact tracing, when they don't match any of the clinical criteria.

5. *Diagnosis and Codification at Hospitals for COVID-19*

Clinical coding is translation of clinical documentation about patient care into code format. This process is completed once the patient is discharged. Clinical coding is completed by a trained Health Information Manager or Clinical Coder after review and abstraction of clinical diagnoses and procedures from the patient's medical record.

We have consulted with a number of experts, and it is evident that the coding rules for COVID-19 do the opposite. They let the Codes drive the clinical statement, hijacking every

possible respiratory or viral presentation (severe or otherwise). Coding COVID-19 for asymptomatic patients just goes against everything we know. The patient isn't sick nor do they have a disease, yet they are diagnosed based on close contact or suspicion (due to overt contact tracing/public health intervention).

There are 5 main issues:

1. COVID-19 can be suspected on admission and coded due to bending of our Australian Coding Standards.
2. The clinical definition of COVID-19 "the disease" is extremely broad because it doesn't have any unique identifying factors that make it distinguishable from many other illnesses such as the common cold or influenza and includes cough and fever.
3. Clinicians must suspect COVID-19 where the patient presents with any respiratory symptoms (per protocol), they are immediately codified on admission as a COVID-19 patient.
4. Test results do not need to be confirmed for SARS-COV-2 to have a diagnosis of COVID-19.
5. There is excessive testing for SARS-COV-2 which never occurred previously for influenza or influenza like symptoms.

These issues have been exacerbated due to WHO supplying new emergency COVID-19 codes to the IHPA via the International Classification of Diseases. This has also impacted our Australia Coding Standards as all other diseases and conditions, with the exception of COVID-19, must be principally diagnosed after study of the condition and in response to being chiefly responsible for occasioning the episode of care. This process is simply not being followed for suspect COVID-19.

Essentially, an individual who previously presented to hospital with viral symptoms (usually non-specific) would not have been given a "viral illness" diagnosis without any swabs etc. Now, they are "suspected of COVID-19" on admission. Once swabs are taken, if it shows for SARS-CoV2 then they have COVID-19. If they test inconclusive, they have COVID-19. These outcomes may also be exacerbated by false positive results. Before the epidemic, individuals wouldn't have been tested for H1N1 unless they were really sick and had pneumonia or other related condition.

6. COVID-19 Deaths

We have many clients who have been extremely shocked by the recording of the cause of death of their family member as COVID-19 when the family member clearly passed away from a pre-existing condition unrelated to COVID-19. In some instances, the family member merely tested positive for COVID-19 but were asymptomatic.

The problems here are blatant and the Australian Bureau of Statistics 'Guidance for Certifying Deaths due to COVID-19' is overt in its inappropriate implications when it states: *'The new coronavirus strain (COVID-19) should be recorded on the medical cause of death certificate for ALL decedents where the disease caused, or is assumed to have caused, or contributed to death.'*

So even if COVID-19 is merely assumed or contributed to the death, it will be recorded as the cause of death.

7. Financial Incentivisation

The States and Territories National Health Funding Pool upfront advanced payments from the Commonwealth could be used as a means for States to attain funding for hospitals.

The Upfront Advance Payment to assist with COVID-19

27. The Commonwealth agrees to pay into the National Health Funding Pool for each State an Upfront Advance Payment for an amount as set out in the table below.

New South Wales	\$ 31,893,187
Victoria	\$ 26,005,094
Queensland	\$ 20,091,356
Western Australia	\$ 10,337,993
South Australia	\$ 6,907,399
Tasmania	\$ 2,106,814
Australian Capital Territory	\$ 1,682,629
Northern Territory	\$ 959,528

We know the procedures for testing, cause of deaths and codifying positive tests allows the States and Territories to inflate the statistics and therefore inflate the true impact on hospitals. Their document actually states under Part 5 22 (b that in relation to hospital services payments, the Commonwealth will provide a 50% contribution of costs for diagnosis and treatment including SUSPECTED cases and monthly payments are based on ESTIMATES provided by the States. It also mentions a 50% contribution to OTHER COVID-19 activity for management of the outbreak. And 100% contribution to keep private hospitals viable.

Overarching Arrangements

22. There will be three sets of payments provided by the Commonwealth to the States under this Agreement, and financial contribution rates for COVID-19 related activities and services are outlined at Schedule A:
- a. The Upfront Advance Payment – the Commonwealth will provide an upfront advanced payment of \$100 million to the States to be paid on a population share basis. This is payable to the individual State when they sign and commit to the Agreement. This is an advance payment to ensure the timely availability of funds under this Agreement and other payments will be adjusted to reflect the prospective nature of the payment.
 - b. Hospital Services Payments – the Commonwealth will provide a 50 per cent contribution for costs incurred by States, through monthly payments, for the diagnosis and treatment of COVID-19 including suspected cases. This payment will be provided monthly based on estimates provided by States and reconciled three monthly against actual expenditure.
 - i. This payment will also include a 50 per cent contribution from the Commonwealth to the States for costs related to hospital services delivered to public patients in private hospitals.
 - c. The State Public Health Payments – the Commonwealth will provide a 50 per cent contribution for costs incurred by States, through monthly payments, for other COVID-19 activity undertaken by State public health systems for the management of the outbreak. This is in addition to public health funding provided through the NHRA once in operation. This payment will be provided monthly based on estimates provided by States and reconciled three monthly against actual expenditure.
 - i. Under the State Public Health Payment a 100 per cent contribution will be paid to the States for costs incurred from 31 March 2020, to ensure the minimum viability of private hospitals, in accordance with Schedule B.

NDIS Price Guide to support participants during COVID-19 is paying residential care facilities between \$1200-\$1800 per patient per day for COVID-19 positive residents. Given the loopholes in testing, this easily allows struggling care facilities the means to take advantage of these financial incentives.

Other significant issues for our clients- Influenza Vaccine Mandate

On 17 March 2020, the AHPPC, the key medical decision-making committee for health emergencies, has advised that all residential aged care staff and visitors should be vaccinated against seasonal influenza. This decision was formalised through the press release made by the Prime Minister and Cabinet's department on 21 April 2020.

Our team requested from the Australian Government Department of Health, through Freedom of Information requests, all documents providing proof of a reduction in overall

hospitalisation following the receipt of an Influenza vaccine that restricted entry to Residential Aged Care Facilities and all risk assessments carried out in relation to the decision of the AHPPC which led to all the States and Territories issuing their respective directives.

We were not surprised to receive responses from the Australian Government Department of Health that the documents we sought *'did not exist'*.

Indeed, the [Cochrane Reviews](#) are very clear that *'Certainty of evidence for the small reductions in hospitalisations and time off work is low.'* And in relation to the elderly, *'Very few deaths occurred, and no data on hospitalisation were reported.'*

This is apart from the significant issues associated with safety of influenza vaccines and short-term and long-term adverse reactions.

In their conclusions, the Cochrane reviewers state:

'Healthy adults who receive inactivated parenteral influenza vaccine rather than no vaccine probably have a one per cent lower risk of experiencing influenza over a single influenza season (2.3 per cent versus one per cent, moderate-certainty evidence).'

It is important to note that the Cochrane Institute is the ultimate arbiter of medical health interventions.

We say that Mr Scott Morrison and his Cabinet acted beyond their powers by requesting that the States and Territories pass directives under their respective public health and emergency acts to direct a group of people, being aged care visitors and employees affected collectively, to take the influenza vaccination otherwise they would be denied the benefit of contact with their elderly family member or loved one and/or potentially be terminated or stood down from their work positions.

We say that these decisions have been made with no evidence to properly support the contention that taking the influenza vaccine will reduce hospitalisations, as detailed above and based on the results of our FOI requests.

Requiring vaccines on healthy individuals is unlawful. The requirement to take a vaccine has been explicitly detailed under the Biosecurity Act 2015 as well as paragraph 51 (xxiiiA) of the Australian Constitution and that the Biosecurity Act acknowledges the express limitations not to conscript Australians into medical services.

This legislation is clear in relation to imposing any conditions on individuals that can only be achieved through the application of a biosecurity control order and/or a public health order.

Making a benefit contingent by creating a compulsory requirement for a vaccine, to obtain that benefit, is not providing the individual freedom of choice and is in serious breach of the circumstances anticipated at law where a vaccine may be necessary and compulsory to achieve risk minimisation.

In due course, we will apply this principle to challenge the unlawfulness of both the no-jab no-play and the no-jab no-pay legislative frameworks.

Section 92 of the Biosecurity Act 2015 is very clear that a vaccination is anticipated to be covered by a human biosecurity control order. There are no other circumstances that legally make a vaccine a requirement. The vaccine must only become a requirement if there is a proper risk assessment made on an individual who would be presenting signs and symptoms of that listed human disease. Furthermore, any requirement made via a human biosecurity control order and/or a public health order must include all rights of review. The individual may have other options for treatment under these circumstances and they must not be required to take a vaccine if there are other options.

Section 92:

Receiving a vaccination or treatment

An individual may be required by a human biosecurity control order to receive, at a specified medical facility:

- (a) a specified vaccination; or
- (b) a specified form of treatment;

in order to manage the listed human disease specified in the order, and any other listed human disease.

Note: For the manner in which this biosecurity measure must be carried out, see section 94.

On 22 July 2020, Victoria's Chief Health Officer, Dr Brett Sutton, removed the restriction on persons entering, or remaining on, the premises of a care facility where the person could not demonstrate that they have an up to date vaccination against influenza, if such a vaccination is available to the person. Accordingly, employees who had not been vaccinated against influenza and who were required to work in other areas, or take leave, were allowed to return to duty in care facilities and visitors were allowed to see their family member in the Residential Aged Care Facility.

The influenza vaccination was recommended but not required.

DHHS, later confirmed the position of the Chief Health Officer, Dr Sutton, stating that the reason for the removal was there are minimal people who are impacted with the flu this year.

Unfortunately for our clients this has created a most vexing and troubling situation in Victoria during the State of Disaster, as many Residential Aged Care Facilities have stopped altogether their access to their loved ones and denied them access purporting that the decision made by Dr Brett Sutton was made in error.

Dr Sutton clearly did not make an error, as quoted in the [Herald Sun](#) and in communications to residential care facilities. Plus the Care Facilities Directives have remained consistent with his decision to remove the influenza vaccine mandate.

We say that all other States and Territories must immediately follow suit and ensure that they remove the influenza vaccine mandates from their respective directives.

All States and Territories must clearly communicate this removal to all Residential Aged Care Facilities and other impacted Employers, making it very clear that they cannot enforce mandatory influenza mandates as a policy as the law does not permit them to do so.

We are also very concerned in relation to clients who are being forced to obtain vaccinations who are employees and students in other settings such as child care workers, truck drivers, disability workers and university students. The directives have created confusion amongst employers and service providers and emboldened them to require vaccines on healthy individuals when the laws do not permit for such enforcement.

COVID-19 Vaccine Mandate

Mr Scott Morrison has announced that COVID-19 vaccines will be “as mandatory as you can possibly make it”. He has also entered into a pre-emptive agreement with UK-based drug company AstraZeneca to secure the potential COVID-19 vaccine developed by Oxford University, if its trials prove successful. Apart from the fact that international companies are being provided preference over local companies, Mr Morrison is not in a position to require a vaccine on healthy populations. CEPI has backed Oxford University which is chaired by Jane Halton who is also allegedly an independent person sitting on the National COVID-19 Commission.

Many of these vaccines would have skipped important clinical steps, not tested on animals or against a saline placebo, will have no long term record of safety (5-7 years) by the time it goes to market, only tested on healthy people and by the company, made by a company given immunity from prosecution for injuries and death, and forced on the citizens of Australia regardless of informed consent for an epidemic that cannot be properly defined

Vaccines are being heralded as our only saviour while our Governments restrict the supply of trusted medications such as hydroxychloroquine (and in some cases relabeling the drug as a poison, when it has a 65 year safety profile) and downplaying the critical recommendations for Ivermectin as a highly effective solution coming from our trusted Dr Thomas Borody.

Dr Borody appeared on Sky News and it is evident that Ivermectin is an immediate and successful solution to the COVID-19 situation, especially the one playing out in Victoria.

Decisions made by individual public officials to withhold Ivermectin, from patients in urgent need, could lead to individual criminal prosecutions and civil action for misfeasance in public office and breach of statutory duty. Furthermore, deals garnered with international vaccine

companies to the disadvantage of local companies, who may have higher standards in vaccine safety and efficacy, will also attract the same actions.

State of Disaster in Victoria

The State of Emergency under the *Public Health and Wellbeing Act 2008 (Vic)* lapsed on 17 August 2020, despite the further directive to extend it until 13 September 2020.

The maximum six-month state of emergency declaration under the Act has expired. The Victorian Premier has instructed the Solicitor-General to draft an open time Amendment for the Act.

He has to get it through both houses of Parliament. He'll recall Parliament any day now. He doesn't have a majority in the Legislative Assembly (Upper House).

Contemporaneously with the alleged State of Emergency, Victoria is currently operating under the State of Disaster.

The State of Disaster declaration is unlawful insofar as the Victorian Premier has not complied with the clear requirements set out under subsection 23(7) of the *Emergency Management Act 1986 (Vic)*:

'If a state of disaster has been declared under this section the Premier must report on the state of disaster and the powers exercised under section 24 to both Houses of Parliament as soon as practicable after the declaration if Parliament is then sitting and if Parliament is not then sitting as soon as practicable after the next meeting of Parliament.'

The *Emergency Management Act 1986 (Vic)* has no severance measures. This means the Minister cannot exclude a clause from the Act if he's failed to comply with it, thus leaving the rest of the Act's powers intact.

This means we, in fact, have no state of Disaster or Emergency in Victoria at present as the Victorian Premier has failed to comply with the Act - Section 23(7), which does not give to

4. Individuals should not be required to wear a mask in the absence of having any signs and symptoms of the listed human disease and being issued the appropriate biosecurity control orders and/or public health orders with the appropriate review rights enclosed.
5. All individuals that either need to return home from overseas or leave to an accessible overseas location should be facilitated to do so without any unreasonable restrictions.
6. Businesses should be immediately re-opened with appropriate social distancing measures and appropriate people limitations are applied depending on shop/business capacity.
7. Under no circumstances, should children and/or other dependants be removed and/or separated from the care of their parents and/or other guardians.
8. All contact tracing must strictly follow the prescribed contact information requirements.
9. All reporting on discharged COVID-19 cases must occur after appropriate clinical diagnosis and post-discharge from hospitalisation. There should be no exclusive reliance on any positive tests for diagnosis and all individuals must be informed of false positive results.
10. All reporting of deaths involving COVID-19 must ensure that COVID-19 is reported as a contributing or antecedent cause if it is an assumed or otherwise a co-contributing factor.
11. Immediate removal of the influenza vaccination mandates from all States and Territories' directives implemented with clear communication to all Residential Aged Care Facilities and other employers that policies must not be set that require influenza vaccination. These policies must be restricted to recommendations.
12. Immediate contact must be re-established with the elderly residents and/or other residents of Residential Aged Care Facilities and/or Hospitals and/or other similar facilities with their families and loved ones for reasonable periods of time.
13. The elderly residents and/or other vulnerable residents of Residential Aged Care Facilities and/or Hospitals and/or other similar facilities must be provided comprehensive nutritional supplementation.

14. All employers who terminated their employees for not receiving the influenza vaccination must offer their employees their position again. All employees temporarily suspended from work must immediately be returned to their employment.
15. All other institutions that have imposed vaccination requirements in their policies must immediately cease these requirements.
16. Ivermectin must be immediately provided as a treatment to all hospitalised patients diagnosed with COVID-19.
17. Hydroxychloroquine prohibition immediately lifted on the basis of peer reviewed studies which indicate it is an effective treatment for coronaviruses.
18. All proposed COVID-19 vaccination mandates must be revoked and there must not be any condition precedents attached to the option of receiving a COVID-19 vaccination (including the denial of any benefits).

Please feel free to contact me on 0425 754 299 to discuss the content of this letter and moving forward constructively with negotiations for resolution.

You have until COB 27 August 2020 to constructively respond, otherwise we will be commencing immediate legal action.

Yours Faithfully,



Serene Teffaha
Lawyer & Advocate
Advocate Me

28.6 Corruption Watchdog Needed to Restore Trust

Former Judges say Corruption Watchdog needed to Restore Trust

<https://www.sbs.com.au/news/former-judges-say-corruption-watchdog-needed-to-restore-trust>



Stephen Charles and Anthony Whealy are among 32 former judges that have backed calls for a new national corruption watchdog.

Source: AAP

Thirty-two former judges say confidence in government and public institutions is at an 'all time low'.

A federal **anti-corruption** watchdog must be established to restore trust among Australians in the nation's democracy, according to dozens of eminent legal minds.

In an [open letter](#), **34 former judges** have urged Prime Minister Scott Morrison to support the creation of a National Integrity Commission.

Confidence in government and public institutions is at an "**all time low**", according to the group, which includes former High Court chief justice Gerard Brennan and former justice Mary Gaudron.

That is largely because of the **suspicion that corruption** permeates many government decisions and actions, the group believes.

"Governments **ignore at their peril** demands by citizens to combat corruption with vigour," they say in the letter published on Sunday.

"We urge you to immediately **establish** a strong, effective and independent National Integrity Commission."



The letter comes after the opposition this week goaded Mr Morrison to declare his position on creating the authority, which Labor has vowed since January it will do if it wins the next election.

Attorney-General Christian Porter responded by saying Labor's plan includes too little detail.

But he said the coalition is weighing up its options on strengthening the **national integrity framework** and is open to all potential policies.

"As I have said repeatedly, I am not closed-minded as to options for a future integrity framework," Mr Porter said.

Some of the former judges signed onto Sunday's letter have spent more than year designing exactly **how the new watchdog** would work.

They argue the commission should have broad jurisdiction and strong investigative powers, including public hearings, to help it uncover serious maladministration.

Former Victorian Court of Appeal judge Stephen Charles and former NSW Court of Appeal and Supreme Court judge Anthony Whealy, who were among the design group, hope the plan will help sway those within the coalition opposed to the idea.

"Getting consensus from the coalition may well be a difficult matter," Mr Charles told reporters in Canberra.

Some people have suggested that existing **state anti-corruption agencies** should be integrated at a federal level, but Mr Whealy said that would "never work".

Fears that reputations could be unfairly damaged by the authority are also without substance, he said, though there would be protections in place to prevent that.

"We're absolutely convinced that **this is the only way**. Otherwise what you might get is some sort of wishy-washy body that won't achieve anything, won't uncover corruption."

Opposition Leader Bill Shorten has said he will seek support from the crossbench on the issue when parliament resumes this week, but would **rather Mr Morrison get behind the idea**.

"There is no reason to **end 2018** without a bi-partisan commitment to a national anti-corruption body," he said on Sunday.

Laws to set up a commission are set to be debated in the lower house on Monday.

29.0 SOLUTIONS

29.1 Endangering Humanity, Slavery, Mind Control and Genocide

Note: Obama, Google, Bidens, Clinton, Schmidt, Sued in Fed Court, Weaponized AI Bio-Tech Transfer, Endangering the Lives of All People, Complicity to Slave Camps, China⁶⁹

By The AI Organization

Home [AI BIO-METRICS AI & WESTERN CORPORATIONS](#) Obama, Google, Bidens, Clinton, Schmidt, Sued in Fed Court, Weaponized AI Bio-Tech...

February 26, 2020

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D STATES DISTRICT COURT SOUTHERN
DISTRICT OF CALIFORNIA

ization, Inc, Cyrus A. Parsa, The Worlds) Case No.: '19CV2407 CAB AHG
ns of Persecution, Rape, Torture,)
n Camps, Sex, Human and Organ)
d Organ Harvesting in China, Hong Kong,)
Around the World, not limited to)
ctivists, Falun Dafa Practitioners,) FIRST AMENDED COMPLAINT
istians, Tibetans, Judges, Lawyers and) DEMAND FOR TRIAL BY JURY
rtured and killed in China. John Does 1-)

Plaintiff(s),) Honorable
)
) United States District Judge

Barack Hussein Obama, Joe Biden,)
, Hillary Clinton, Eric Schmidt, Nancy)
J. Brennan, James Comey, Andrew)
ies Clapper, Facebook, Inc, DeepMind)
: Inc, The World Bank, Neuralink Inc,) (1) MISUSE OF ARTIFICIAL
ry Page, Sergey Brin, Sundar Pichai, Mark) INTELLIGENCE, CYBER
Elon Musk, Amazon, Jeff Bezos,) ROBOTICS, BIOMETRIC
ll Gates, CISON PR NewsWire, CNN,) FACIAL RECOGNITION
Network, Anderson Cooper, Don)

⁶⁹ <https://theaiorganization.com/obama-google-bidens-clinton-schmidt-sued-in-fed-court-weaponized-ai-bio-tech-transfer-endangering-the-lives-of-all-people-complicity-to-slave-camps-china/>

UPDATE **Statement made on 3/24/2020**, 4:44 Pm, Pacific Time., "FOR 81 PAGE ENDANGERING WORLDS PEOPLE FEDERAL LAWSUIT I DID ON DECEMBER 16, 2019, ON BEHALF OF ALL PEOPLE, TO WARN ALL OF THE WORLDS CITIZENS, INCLUDING THE MEDIA WHO DIDNT REPORT, DEFENDANTS,THE CONTENT CREATORS WHO PLAGARIZED MY WORK, AND BIG TWITTER FOLLOWERS WHO DECIDED NOT TO GIVE ME THE ATTENTION AND SUPPORT NEEDED TO PREVENT AND KNOW:THAT THEIR LIVES WERE THEATENED IN STAGES BY A.I. BIO-TECHNOLOGIES FROM CHINA AND BIG TECH. HARDLY ANYONE HELPED, OR DONATED ENOUGH TO SEND U.S MARSHALS AFTER ALL DEFENDANTS. NOW CORONA IS HERE, A BIT TOO LATE, WE DONT WANT TO CAUSE A CIVIL WAR. WHO IS REALLY INNOCENT IN THIS WORLD? WE ALL NEED TO BETTER OURSELVES AS A HUMAN RACE, AND BECOME SELFLESS." Cyrus A. Parsa, The AI Organization.

Amended Complaint to Release John Does 1-29 from original Parsa Vs Google Doc, first 16 pages of complaint included in this article SPECIAL NOTE BELOW

DEFENDANTS ALL NEED BE **SERVED BY U.S MARSHALS**, WE NEED DONATIONS TO MAKE SURE EVERYONE IS PROPERLY SERVED IN EVERY WAY POSSIBLE AND WE NEED EVERYONE TO GO AFTER THE MEDIA, TO COVER THIS STORY, REMIND THAT, THEY ARE IN **VIOLATION OF NATIONAL AND INTERNATIONAL COMPLICITY LAWS**, BY NOT COVERING THIS STORY. THIS INCLUDES, THEIR OWNERS, REPORTERS, ANCHORS, AND EDITORS. DONATE VIA [PAYPAL](#) OR [GO FUND ME](#).

Assist me to serve, bring justice and prevent Dangers to all the worlds people by Exposing, Donating, and Serving Following interconnected Defendants and bringing International Attention to Following Defendants and their Crimes, in the soon to be Class Action **Law Suit on behalf of the Worlds People**. Case Summary and 31 Case Counts and introduction extracted from 81 page federal compliant on all defendants below.

Defendants:

Google L.L.C, Barack Hussein Obama, Joe Biden, Hunter Biden, Hilary Clinton, Eric Shmidt, John O. Brennan, Warren Buffet, James Comey, Andrew McCabe, James Clapper, Facebook, Inc, DeepMind Inc, Alphabet Inc, The World Bank, Neuralink Inc, Tesla Inc, Larry Page, Sergey Brin, Sundar Pichai, Mark Zuckerberg , Elon Musk, Amazon, Jeff Bezos, Microsoft, Bill Gates, CISON PR NewsWire, CNN, Cable News Network, Anderson Cooper, Don Lemon, MSNBC, Rachel Maddow, Washington Post, New York Times, Time Magazine, Massachusetts Institute of Technology, Harvard, Adam Schiff, Wyss Institute, Darper, Qualcomm, George Soros, Soros Fund Management, Open Society Foundations, University of Vermont, Joshua Bongard and Sam Kriegman. Rockefeller Foundation, Huawei, Boston Dynamics, Hanson Robotics, Didi Chuxing, Megvii Face++, Alibaba, Sensetime, ICarbon X, Festo, Chinese Communist Party, & John Doe's 1-Unlimited

CASE SUMMARY FACTS

Threatening and Endangering the Lives of All of the World's People with the Misuse of Artificial Intelligence, Biotechnology, Negligent Bio-Weapon Tech Transfer, Negligent Failure to stop Chinese IP and Sensitive A.I. Biotechnology theft, **Complicity to Genocide, and Aiding in Physical Genocide** within the slave camps inside of China by transferring AI Quantum Biotechnology, Financial Investments, Trade, Surveillance Systems, Facial Recognition, and Engaging in Cultural Genocide of Humanity via Cybernetics, Bioengineering, Trans-Humanism, by Controlling and Re-Programming the Human Races and the upcoming new generation of peoples Thoughts, Emotions and Brain Chemistry to accept and transition to transhumanism by Bio-Digitally Social Programming and Social Engineering the human race via AI coding and AI algorithmic biometric manipulation of their Nervous Systems, Electrical Fields, and Neural Networks through multiple Patented Smart Phone, IoT Proximity sensors and other sophisticated technologies, as the worlds people and the AI systems and Apps engage and interface with Google, Microsoft, Amazon, Apple, Baidu, Tik Tok, Wechat, Huawei, Megvii Face++, Alipay, Facebook, Neuralink, the Internet and many Social Media Ecosystems and platforms **reprogramming people without their knowledge, understanding or free-will. Not informing the worlds citizens that their private data is being used to create an Artificial Super Intelligence on Quantum AI Technology with 5G and 6G systems that can eliminate and destroy all the worlds people through nation state conflicts, virus's, surveillance or numerous other risks found by Cyrus.** A. Parsa and The AI Organization's 1,000 plus AI company investigations and Cyrus's Published Books.

Artificial Intelligence Dangers to Humanity:

Barack Obama, Hillary Clinton, Joe Biden, Hunter Biden, Nancy Pelosi, Chuck Schumer, Adam Schiff, Jerry Nadler, Eric Schmidt, Bill Gates, John O. Brennan, James Comey, Andrew McCabe, Elon Musk, Google, Sergey Brin, Larry Page, Jeff Bezos, and the vary many defendants were Negligent, **incompetent and treasonous conduct** by allowing **China**, its corporations, people and entities to **steal** AI Bio-Technology, Quantum technology, 5G, Drones, Bio-Metrics, Semi-Conductor Chips, blue prints to F35, Battleships, and Space Technology and American's private data. Obama allowed our businesses, institutions, schools and citizens to invest in China and transfer sensitive AI technologies as presented in this claim to China that is endangering all the worlds Citizens.

Failure to prevent or willfully engaging in **theft** of the **worlds private family data and bio-metric data** to build Quantum AI Bio-Digital technologies with the Goal of obtaining **Artificial General Intelligence or Super Intelligence on 5G, 6G and & 7G Systems that threatens all the Worlds Citizens**, beyond the comprehension and control of any government, the pentagon, CIA, NSA, MI6, FBI, Darpa, Nasa or any world Power. Ignoring, censoring, not reporting, rephrasing or plagiarizing to create content and reports off of Cyrus's hard work, findings and materials, rather than report and support him to stop immense dangers to all people.

Hence, making it very, very, very hard for **Cyrus A. Parsa** and The AI Organization to warn and assist in saving the worlds people in time **from dangers discovered by Cyrus's AI Simulations showing emerging Catastrophes in stages**, to all of the worlds people, including warning of the Coronavirus ("**AI Engineered Bio-Disease From China**") by Cyrus, months before Coronavirus's appearance in China, published in books AI, Trump, China & the Weaponization of Robotics with 5G and the book "Artificial Intelligence Dangers to Humanity".

By not reporting on Cyrus A. Parsa's Lawsuit and Findings, the defendants and all other media reporters, editors, owners, are **subject to criminal prosecution** by local tribunals, city, state, national and international complicity laws, per prevention of crimes, persecution, genocide and or reaction there of. Moreover, Making it very hard to meet President Trump to further explain the brief he received about the book **Artificial Intelligence Dangers to Humanity**, and disclose Cyrus's very **sensitive** Quantum AI Bio-Tech findings and **dangers** to all of the worlds people in private, that are beyond the skill-set or comprehension of the advisors, analysts, and senior staff at the Pentagon, Darpa, Nasa, Military, OSTPS, or White House.

This lawsuit is being filed on the **behalf of the Worlds people** by Cyrus A. Parsa and The AI Organization on pure altruistic reasons to prevent harm to the worlds citizens, **from his data sourced from investigating over 1,000 AI, Robotics, Bio-Engineering, 5G, Bio-Metric, and Big Tech Companies, including 500 Chinese Companies, compressed in the book Artificial Intelligence Dangers to Humanity.**

Defendants are in Violation of one or all 30 counts and more than 42 penal codes, of national and international **bio-metric** privacy laws, committing **treason**, creating nefarious technologies, Complicity to the prevention and reaction to Genocide, Article 1, 2, 3, 4, and by not reporting Cyrus A. Parsa's warnings and guilty negligence and harm by **transferring Weaponized AI bio-technologies to China, and indirectly to Iran by Transferring 150 Billion Dollars** in cash that belonged to the Iranian people, to Iran's government and clerics who purchased from China, AI, Drone, Bio-Tech, Robotics, and Facial Recognition technologies that weaponized the Iranian governments surveillance and AI technologies **against the Iranian people, the Middle East, American Servicemen**, harming them all, and endangering all Iranians inside of Iran. Thus, laying the groundwork for **Iran to join China on the one belt one road 5G systems connecting Africa, the Middle East and Europe with Huawei** and the multiple of other Chinese and Western tech companies involved globally, while creating the foundation to **form nation state conflicts** with advanced AI bio-technologies, endangering all the worlds people living today, in numerous ways, as assessed by Cyrus's findings.

Defendants Obama, Pelosi, Schumer, Schiff, Clinton, Anderson Cooper, Soros, Biden's, CNN and many others **created conflicts** and impeachment hunts against the Trump Administration and U.S Presidency, over small matters, **while obstructing, and overlooking the safety of all the worlds citizens with nefarious dangers stemming from China and Western Big Tech, including the Coronavirus**, thus missing and wasting crucial time and energy needed by the good men and women in the CIA and FBI to assess emerging technologies, that they missed and did not understand in time. Hiring and giving funding to historically **incompetent** think tanks, institutes, and policy analysts in Washington DC, Santa Monica, and New York that are not altruistic, **are selfish, don't care about the worlds people nor have the intelligence and wisdom to understand the big picture** to properly inform and explain to President Trump, Congress and all the Worlds Leaders, of all the dangers of Artificial Intelligence that these Ph.D's, Tech Tycoons, and AI scientists are missing or contributing to, due to their short comings, lack of skills and capacity to comprehend very sophisticated emerging AI dangers and scenarios to all the worlds people alive.

Giving advisory or media platforms **to famous, wealthy, Ph.D types or usual so called "Experts", that have ruined the world and created conflicts for generations**, hurting the worlds people, and its culture, rather than choosing wise and good people to advise on national security risks to all the worlds citizens. **Guilty of Negligence.** We are coming to the Age of AI, 5G, Quantum, Robotics and many sophisticated risks, and **cannot have AI regulators and departments who are incompetent, unwise and incapable people** with Ph.D. titles, who don't have the fortitude, care and will, to safeguard the worlds citizens and all families from nefarious misuse of AI that can hurt all human beings and their families around the globe in such a sophisticated and fast manner, that is imperceptible to human beings on the 5G networks and emerging AI bio-technologies.

GO FUND ME, DONATE TO SUPPORT, PRESS LINK HERE

- (1) MISUSE OF ARTIFICIAL INTELLIGENCE, CYBERNETICS, ROBOTICS, BIOMETRICS, FACIAL RECOGNITION, BIOENGINEERING, BIOTECHNOLOGY, 5G, 6G, AND QUANTUM COMPUTING TECHNOLOGY, ENDANGERING ALL THE WORLDS PEOPLE
- (2) ENDANGERING THE HUMAN RACE WITH THE MISUSE OF ARTIFICIAL INTELLIGENCE TECHNOLOGY, BUILDING AGI-ASI SYSTEMS
- (3) TRANSFER OF AI BIO-WEAPON TECHNOLOGY TO CHINA, BIOLOGICAL WEAPONS ANTI-TERRORISM ACT OF 1989.
- (4) 18 U.S. CODE OF CHAPTER 115-TREASON, SEDITION, AND SUBVERSIVE ACTIVITIES.
- (5) COMPLICITY IN GENOCIDE, CHINA
- (6) VIOLATION OF ARTICLE 1 GENOCIDE CONVENTION
- (7) VIOLATION OF ARTICLE 2 GENOCIDE CONVENTION,
- (8) VIOLATION OF ARTICLE 3 GENOCIDE CONVENTION,
- (9) VIOLATION OF ARTICLE 4 GENOCIDE CONVENTION,
- (10) SOCIAL ENGINEERING OF THE HUMAN RACE WITH ARTIFICIAL INTELLIGENCE
- (11) BIO-DIGITAL SOCIAL PROGRAMMING OF THE HUMAN RACE BY USE OF THEIR BIOMETRICS & ARTIFICIAL INTELLIGENCE
- (12) BRAIN WASHING HUMANITY WITH A.I. CODING & ALGORITHM BIAS
- (13) CULTURAL GENOCIDE BY MISUSE OF ARTIFICIAL INTELLIGENCE
- (14) BREACH OF IMPLIED COVENANT OF GOOD FAITH AND FAIR DEALING
- (15) DEFAMATION
- (16) NEGLIGENT INFLICTION OF EMOTIONAL DISTRESS
- (17) NEGLIGENT CREATION OF NAFAARIOUS AI QUANTUM BIOTECHNOLOLGY, CYBERNETICALLY ENHANCED DRAGON FLIES, ROBO-BEES, MICRO-INSECT DRONES, AND XENOBOTS, ENDANGERING ALL THE WORLDS PEOPLE ON 5G NETWORKS.
- 18) MASKING GENOCIDE WITH AI TECHNOLOGY
- 19) FRAUD AND INTENTIONAL DECEIT
- (20) NEGLIGENT MISPREPRESENTATION
- (21) RELIGIOUS DISCRIMINATION
- (22) FAILURE TO ENGANGE IN INTERACTIVE PROCESS
- (23) A.I. CENSORSHIP and Banning "AI, Trump, China & the Weaponization of Robotics with 5G" and Masking "Artificial Intelligence Dangers to Humanity" with use of Artificial Intelligence
- (24) AI ALGORITHM MISUSE & AI algorithmic biometric manipulation
- 25) BREACH OF PRIVACY
- (26) VIOLATION OF THE NUREMBURG CODE
- (27) CREATING AN ARTIFICIAL INTELLIGENCE SYSTEM THAT CAN RECOGNIZE AND DECODE IF HUMANS ARE **RESISITANT** TO ARTIFICIAL INTELLIGENCE
- (28) NOT INFORMING THE PUBLIC, DEFENDANTS PRODUCTS AND SERVICES USE PROXIMITY SENSORS AND OTHER SMART PHONE AND IOT PATENTED TECHNOLOGIES THAT CONNECT, MANIPULATE AND REPROGRAM PEOPLES THOUGHTS, NEURAL NETWORKS AND BRAIN CHEMISTRY CONNECTING TO HUMANS NERVOUS SYSTEMS AND ELECTRICAL FIELDS.
- (29) CREATING AND BIOENGINEERING NAFAROUS **XENOBOTS** TECHNOLOGY MIXED WITH STEM CELLS, ROBOTICS AND AFRICAN FROG LEGS, BRING TO LIFE AN **ALIEN** ARTIFICAL LIFE THAT CAN MUTATE OR BE PROGRAMMED TO **SPREAD DISEASE** OR KILL OFF THE WORLDS CITIZENS IN NUMEROUS WAYS.
- (30) EXTRACTING ALL PEOPLES PRIVATE BIOMETRICS FOR QUANTUM AI SUPERINTELLIGENCE THAT ENDANGERS ALL HUMAN BEINGS ON 5G AND 6G NETWORKS

- (31) PREVENTING CYRUS A. PARSA, THE AI ORGANIZATON, FROM ASSISTING IN SAVING THE WORLDS PEOPLE FROM AI BIO-TECH BASED DANGERS FROM CHINA AND BIG TECH, PER COMPLICITY, AVOIDANCE OF REPORTING HIS FINDINGS BY MEDIA FOR 6 MONTHS

Download Now ARTIFICIAL INTELLIGENCE DANGERS TO HUMANITY to support and know the big Picture

1. Endangering and Threatening all of the world's citizens, and humanity by misusing and **Weaponizing** Artificial Intelligence, Bio-Technology, Quantum Computing, Robotics, 5G, Machines, Smart Phones, Smart Homes, Smart Cities, IoT's, **Holograms, Mixed Reality**, Nano-Technology, Cloning, Gen-Editing, Cybernetics, Bio-Engineering, and the creation of a **digital AI Brain linked to Google's Search engine** with the use and extraction of humanities bio-Metrics data, digital bio-metric codes including facial, voice, health, organ, neural network and body recognition technology. Thus, controlling humanities thoughts, actions, biology, bio-metrics, brain neural pathways, the human bodies neural networks that **reprograms** all human beings through social engineering and bio-digital social programming, **without their consent**, knowledge, understanding, or free will. Extracting humanities digital footprints in breach of **the Nuremberg Laws, FTC Act (15 U.S.C. §§ 41–58** and Engaging in irresponsible and unsafe Research and development of Artificial General Intelligence or Artificial Super Intelligence that could enslave or kill off humanity or give the power to the defendants to **enslave humanity** in numerous ways on the 5G and other developing networks.

2. Negligence and Complicity in **Persecution and Genocide of millions in China**, per Article's 1, 2, 3 and 4 of the Genocide Convention, and *18 U.S.C.A. § 1091§ 1091*. **Genocide, not limited to Democracy Activists, Falun Dafa Practitioners, Christians, Uyghurs, Tibetans, Journalists, Judges, Lawyers, and Academics inside of China.**

3. Transferring and Providing to China, China's Government and its Companies, knowledge, data, capabilities and technology to **weaponize** Artificial Intelligence, Quantum Computing, Machines, Robotics, 5G, Bio-Metrics, Cybernetics, Bio-Engineering, IoT's, Computer Vision, and Human Tracking Technology, and technology that can **give China access** to Artificial General Intelligence or Artificial Super Intelligence, that endangers the world, and all of humanity, including AI weaponry for assassination. In violation of **Breach of Arms Control and Disarmament Act [22 U.S.C. 2551 and Foreign Assistance Act of 1961, as amended [22 U.S.C. 2151, 22 U.S. Code § 2752.Coordination with foreign policy, 22 U.S. Code § 2753. Eligibility for defense services or defense articles, 22 U.S. Code § 2754. Purposes for which military sales or leases by the United States are authorized; report to Congress, Arms Control and Disarmament Act of 1961, 22 U.S.C. § 2551, Atomic Energy Act of 1954, 42 U.S.C. §§ 2011-2021, 2022-2286i, 2296a-2297h-13,**

(4) TRANSFER OF **AI BIO-WEAPON TECHNOLOGY TO CHINA**, BIOLOGICAL WEAPONS ANTI-TERRORISM ACT OF 1989.

(5) PREVENTING CYRUS A. PARSA, THE AI ORGANIZATON, FROM ASSISTING IN SAVING THE WORLDS PEOPLE FROM AI BIO-TECH BASED DANGERS FROM CHINA AND BIG TECH, PER COMPLICITY, AVOIDANCE OF REPORTING HIS FINDINGS BY MEDIA FOR 6 MONTHS

(6) Providing to China and Chinese Companies, **AI, Health Data and Bio-Metric Technology used for surveillance, tracking, hunting, quarantine, capture, arrest, torture, concentration camps, organ harvesting, and organ trafficking that contributed to the death** of Chinese Citizens, including Falun Dafa Practitioners, Uyghurs, Democracy activists, Christians, Tibetans, judicial representatives, professors, journalists, and minority groups, not limited to any gender, race, political affiliation, faith, or persons residing in China. Same violation of fact numbers 2 and 3.

(7). Providing to China's government, their corporations and nefarious entities, Facial Recognition, Voice Recognition, Body Detection, Skeleton Detection, Vital Organ Recognition, Emotion detection, Skin and

Health Biometric and other AI technology that led to persecution, torture, organ harvesting, death and cremation of human beings in China, not limited to Uighur, Falun Dafa, Christian, Tibetan, Democracy activists, judges, attorneys, common citizens and other minority groups. **Endangering the world by Weaponizing China's AI Capabilities that is be laid on the (BRI) One Belt One Road linking Asia, Middle East, Africa and Europe, endangering all of humanity.** Same violations of facts number 1, 2 and 3.

(8). Misrepresenting to the world and **deceiving the U.S on Google's activities in China** and their technology **transfers** that contributed to China's Quantum AI advancements, surveillance, abuse, torture, concentration camps and murder of its own citizens. Same violations of facts number 1, 2 and 3, 4.

(9). Providing **health, bio-metric, financial and social network** data of Americans, and the world citizenry that is in the hands of the Chinese government, endangering the world and all its peoples on the 5G network.

(10) Creating an **interconnected** platform between Facebook, Google, Alphabet, all entities under **Neuralink, and DeepMind** that allows for a digital brain to connect to the internet, all digital and bio-digital networks, human bodies, machines, robotics, IoT's, Augmented Reality, Virtual Reality, Mixed Reality, Holograms and other technologies, that can be used for surveillance, to track, manipulate, control, social engineer, re-engineer, reprogram, brain wash, hunt, quarantine, threaten, arrest, **commit cultural genocide, and kill human beings by machines**, Bio-Digital AI, Digital AI, and robotics connected to the 5G, 6G and other networks and corporate command centers.

(11) Creating platforms that is on the verge of developing Artificial General Intelligence and the Subsequent Super Intelligence that will be **beyond the control of the human beings** working at Neuralink, Alphabet, DeepMind, Google, Facebook or governments.

(12) In violation of Article 1, 2, 3 and 4 of the **Genocide Convention** for weaponizing China's Artificial Intelligence, Facial, Voice and Other Bio-Metric technology that were **used on Chinese citizens**. Not to exclude **genetic experimentation** of human beings in Chinese **concentration** camps, including hybrid human experiments within the concentration camps.

(13) Introducing, planning, promoting and engaging in **physical and cultural genocide** to humanity by replacing their **neural network** operating systems with Artificial Intelligence and Machines, merging humans with machines with the interconnection of the internet, internal tech experimentation's of defendants and consumer products promoted, provided and transferred by the defendants to the public directly and indirectly.

(14) **Reprogramming and social engineering humanities thoughts and brain chemistry** via AI algorithms in the internet, social media, apps, smart phones, IoT's, computers, wearable devices, **implanted** technology, virtual reality, augmented reality, mixed reality, holograms, and alternate reality. Not informing and explaining to humanity that their brain chemistry is **altered by a replicating software as they engage with the defendants products and services**, nor that their thoughts and actions can be manipulated and controlled by **smart phones, apps and IoT** in connection with the network platforms, technologies and initiatives Google, Alphabet, Facebook, Neuralink, DeepMind, and **Tesla** are providing and introducing to the public, in turn giving these tech giants complete **control and influence** over Americans, and humanity.

(15) Weaponizing AI by Utilizing humanities bio-metric and social media data and misusing the technology by Controlling the Human Race and its thoughts through **Social Engineering and bio-digital social programming** by using people's bio-metric systems through Google and Facebooks eco systems, coding, algorithm unfairness, with the use of social media data, their emotions, weaponization of the internet, smart phones, IoT's and computers, thus **controlling human thoughts**, and humanity at a global scale against their free-will and knowledge. Not informing the public that their **dependency** on smart phones, is due to **frequencies and Artificial Intelligence software emitting** from the AI systems and devices that is connecting to the neural networks of humans, creating a symbiotic process, making them a **cyborg, dependent, reliant, controlled and programmed by the products and services** provided by Google, Facebook, Alphabet, Deep Mind, Tesla, and Neuralink. In essence, putting the entire human race in a state of **pet and owner** relationship, via their bio-metrics, biology, and digital selves neural network operating systems. The Owner being the Artificial Narrow Intelligence, other AI forms, provided by the defendant's companies, organizations and personal initiatives within their companies and Machine Software's operating inside the bio-metric systems of human beings.

(16) Negligence in Algorithm Fairness that **allows hate speech, misinformation and slander to cast doubt** on google search engines against people's efforts to notify and inform the world's people that millions have been subject to Organ Trafficking, Organ Harvesting, Concentration Camps, Torture, and Abuse and that the risks of Artificial Intelligence is multi-faceted and enormous.

(17) Writing Code and Creating Algorithms that has been and is currently engaging in cultural genocide including introduction of **cybernetics, robotics, and creating an ecosystem** that allows for **Beastiality** to exist and be forefront on Google's search engines, affecting societies, and youth's bio-metrics system **after viewing the videos and articles** via their smart phones and computers, influencing their thoughts through their bio-metric systems, paving the next generation to degenerate and accept this type of behavior with the introduction and experimentation of bio-engineering and cybernetics.

(18) Research and Development conducted by Alphabet, Facebook, Google, DeepMind, Nueralink and other ventures in **Silicon Valley** have created algorithms and coding that supports, promotes and achieves **brain washing** of humanity through social engineering and bio-digital social programming, that endangers the human race in its entirety via the **interconnection** of their platforms, social media, and technology distributed in physical and digital format to society.

(19) Writing Code and Having Algorithms that influenced liberals and conservatives to exponentially increase their hate for each other via their bio-metric systems and emotions while attached to smart phones, IoT's, apps, digital media, Google, Facebook and other interconnected platforms. Causing harm to the nation and the world, and **endangering humanity** at the geo-political level with nation state leaders undergoing social engineering and bio-digital social programming and control by their platforms to **ignore human rights atrocities in China** and around the world stemming from the defendant's algorithm misuse and AI technologies. Implicating world leaders and their citizens to be charged under article 2, 3 and 4 of the genocide conventions. This includes **Canadian Prime Minister, the Majority of European Leaders, and the leadership at the United Nation, the media, press, their reporters, and others who have and are still censoring awareness for human rights violations in China** or working against it. Writing code and algorithms that controls reporters, media and the press's thoughts and actions beyond the normal manipulation they receive from special interest groups, producers, or friends who may manipulate them, other reporters and their covered content, thus Weaponizing the media for Google's development against the media's free will and knowledge.

(20) Negligence on Google and Facebooks Algorithm **unfairness caused liberals and conservatives** to conflict and fight each other beyond the reasonable norm, affecting their thoughts and emotions via their **bio-metric systems** being controlled and enhanced by Artificial Narrow Intelligence systems inside the smart phones and the apps partially formed by bias and hateful content that created division and undue hate among Americans and the people of the world.

(21) **Division caused by misuse and negligence** of Algorithms in Facebook and Google, hindered and delayed the U.S administrations efforts to pressure China in time to save more people from concentration camps, death and cremation, in addition to **national security** concerns that impacts Americans and the world citizenry. This is not limited to the Trump Administration, rather it affected the Obama, and Bush administrations as well. Google hurt America and China for 2 decades at a geo-political level. Google is guilty of Article 2, 3 and 4 of the genocide convention, in addition to complicity.

(22) **Masking posts and articles by The AI Organization**, meant to bring awareness to human rights atrocities in China, on Facebooks Platform. Masking Content created by Cyrus A. Parsa meant to save people from dangers pertaining to **human rights violations** interlinked with Artificial Intelligence. Banning the book **"AI, Trump, China & The Weaponization of Robotics with 5G"** for advertisement and masking posts of people working on behalf of The AI Organization. Masking posts of "Artificial Intelligence Dangers to Humanity" book, on Facebooks platforms, and masking other posts from The AI Organization written by Cyrus A. Parsa. **These posts related to China, Taiwan, Hong Kong, Iran, big tech, Google, 5G, Robotics, Drones, and Bio-Metrics threats to and Enslavement of Humanity**. Releasing the Masks recently after coming under pressure and scrutiny. Hiring Chinese who committed **espionage** and attacked American companies, including The AI Organization and Cyrus A. Parsa, as well as his associates and victims of persecution.

(23) Writing Code and Sustaining Algorithms that propagate an extreme amount of **pornography, violent pornography, and insinuation of rape and prostitution, that denigrates females, young girls, altering humanities thoughts and family based concepts of traditional health based ethics via their bio-metric systems, hence, contributing to rape, sex and human trafficking and broken families.**

(24) Developing Code, Algorithms and Ecosystems that **re-programmed a generation of people's bio-metric structure, and brain chemistry to be bio-digitally controlled by Google** and every other tech industry with similar platforms that operate on varying types of Artificial Intelligence, including Artificial Narrow Intelligence.

(25) Developing Code, Algorithm's and Ecosystems that created a **secondary digital brain inside the brains of AI Scientists to be subservient, controlled and programmed** to create, sustain, promote, and grow Google, Alphabets, Facebooks, and other tech giants' platforms. Elon Musk has also confirmed The AI Organization's findings, that humans can have a secondary digital brain formed via their neural networks.

(26) Developing Code, Algorithms and Ecosystems that creates a secondary digital brain inside the brains of all human beings that can **prevent the person from recognizing that they are being controlled, and bypassing** any biological resistance to AI Control or human bodies innate capability to resist the formation of a symbiotic and parasitical relationships with AI software and cybernetic hardware via their rational thinking structure in their brain.

(27) Not informing consumers that part of the defendants goals for AGI (Artificial General Intelligence) and ASP (Artificial Super Intelligence) has **religious goals that can be dangerous to all of humanity**, including attempts to retrieve or ask AGI about the inner working of the "simulation", what, when, how and by whom the simulation was formed, and what is outside it. Neuralink, Google, Alphabet, Facebook, Tesla, and DeepMind have **not registered as a religious institution**, yet they are engaging in **religion** under the **umbrella of science**. In fact, they have turned their companies, into religious institutions with final aim goals identical to most religions. The defendant and their companies are attempting to treat their Technological developments as **God**, taking all of humanities bio-metrics, data, and connecting it to their quantum, robotic and machine-based AI technology, and **upload their digital selves into other bodies, networks or machines, mimicking the beliefs of a spirit or soul**. In Fact, Elon Musk stated in an interview, that he wants to develop AI to a point, that it could "give him the answers to the simulation". **Elon Musk is agreeable to the risks that an AGI** or Artificial Super Intelligence can go rogue, **kill off humanity**, or be hacked, yet as smart as he is, he doesn't understand that the computing technology the AGI and ASI would have, would not go beyond the level of Atoms to observe more microscopic particles at its plane, hence, any answers to his sought

questions to simulation is limited, and the endeavor of an AGI or ASI is putting humankind at risk. There is an **alternative way to achieve his answers, that is 100%. safe** and does not involve giving the power to a machine or Artificial Intelligence.

(28) Defendants have created AI systems that can take in humanities facial, voice and other bio-metric information and decode whether they are resistant to AI, subject to its control, atheist or have a faith. This technology can enable AI, or any entity using AI to **track, profile, hunt and kill targets** it deems resistant to its control or resistant to AI. This can be done with drones, machines, robotics, or **poison** delivery systems such as **Micro-Botic terrorism**.

(29) NOT INFORMING THE PUBLIC, DEFENDANTS PRODUCTS AND SERVICES USE PROXIMITY SENSORS AND OTHER SMART PHONE AND IOT PATENTED TECHNOLOGIES **THAT CONNECT, MANIPULATE AND REPROGRAM PEOPLES THOUGHTS, NEURAL NETWORKS AND BRAIN CHEMISTRY CONNECTING TO HUMANS NERVOUS SYSTEMS AND ELECTRICAL FIELDS.**

(30) CREATING AND BIOENGINEERING NAFAROUS **XENOBOTS** TECHNOLOGY MIXED WITH STEM CELLS, ROBOTICS AND AFRICAN FROG LEGS, **BRING TO LIFE AN ALIEN ARTIFICIAL LIFE** THAT CAN MUTATE OR BE PROGRAMMED TO **SPREAD DISEASE** OR KILL OFF THE WORLDS CITIZENS IN NUMEROUS WAYS.

(31) EXTRACTING ALL PEOPLES **PRIVATE** BIOMETRICS FOR QUANTUM AI SUPERINTELLIGENCE THAT ENDANGERS ALL HUMAN BEINGS ON 5G AND 6G NETWORKS

All Charges from 1-31 have led to **physical genocide in China spearheaded by the Chinese Communist Government**, and all charges from 1-31 are **in breach and violations of penal codes stated in facts 1, 2 and 3, 4**, All Charges have and are leading to Cultural Genocide in America and around the World, endangering all of humanity to enter a stage of cultural and physical genocide with the interconnection of Artificial Intelligence, 5G, Robotics, Machines, Drones, **Smart Cities**, as it pertain to negligence and misuse by the main platforms and companies of Google, Facebook, Alphabet, DeepMind, Neuralink, John Does, and their leadership.

This does not exclude other players such as **Fox News**, emerging Conservative outlets who have yet to report, including their editorials and CEOs, as well as other liberal outlets. If they refuse to report on this lawsuit that is filed in behalf of all people, expose dangers to all people, they are truly **corrupt**, and will face public **tribunals, lawsuits and criminal prosecution when time comes.**

Cyrus A. Parsa, The AI Organization

29.2 ARTIFICIAL INTELLIGENCE Dangers to Humanity

By

The AI Organization

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October 23, 2019

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AI,

U.S., China, Big Tech, Facial Recognition, Drones, Smart Phones, IoT, 5G, Robotics, Cybernetics, & Bio-Digital Social Programming

What are the inter-connections between AI, U.S, China, Big Tech and the worlds use of Facial Recognition, Bio-Metrics, Drones, Smart Phones, Smart Cities, IoT, VR, Mixed Reality, 5G, Robotics, Cybernetics, & Bio-Digital Social Programming? We will cover present, emerging and future threats of Artificial Intelligence with Big Tech, including **technology that can be used for assassination** or to control humanities ability to have **free formed thoughts** without AI Bio-Digital Social Programming. The book will cover Cyborgs, Super Intelligence and how it can form, and in what ways it can travel undetected through The AI Global Network as it connects with the internet and the Human Bio-Digital Network. Companies such as Huawei, Facebook, Megvii Face++ and Google will be discussed. Over 50 entities will be explained and their interconnection with China. **China, through Huawei** is laying the foundation to deploy AI, Machines, Robotics via the 5G network. They can enslave humankind through an Orwellian Surveillance State.

This book takes you in a simple way to understand what is Artificial Intelligence, and step by step, it takes the average reader through a process to understand very difficult concepts in a simplistic way. Every human being has the same brain, and same capacity to access abilities to think deep, and have insights that can better our world, in a safe way. The AI Organization hopes, the common person understands the coming age of AI, Robotics and 5G, and the dangers it poses as well as the positives. **We also hope, scientists and big tech take one step back and think to innovate AI**, in a more responsible fashion using an algorithm that takes every possible angle into consideration, to safeguard life. We will discuss what type of risk management

and the components of this algorithm in the book, as well as the cultural aspects of AI. This AI book is meant to safeguard humanities interest, and we hope it receives acceptance from all people, may you be liberal, conservative, religious, atheist, the government, media or just a scientist doing what you cherish.

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