

## 5G / Coronavirus Briefing

21 April 2020

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- *Newest entries appear at start of each section*
- *Some sections may have no entries in this edition*
- *Notes from compiler appear in red*

**"It is the mark of an educated mind to be able to entertain a thought without accepting it." – Aristotle**

Medical doctors refuting Coronavirus

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Appendix: Coronavirus symptoms

**The only means to fight the plague is honesty.**  
**Albert Camus, The Plague (1947)**



### MEDICAL DOCTORS QUESTIONING CORONAVIRUS (ongoing)

**Note:** Director-General of WHO, Ethiopian Tedros Adhanom Ghebreyesus is the first WHO D-G who is not a medical doctor. He holds an undergraduate degree in biology, a masters degree in immunology of infectious diseases and a PhD in community health. [See article below](#)

#### Anonymous doctor

#### 21.4.20 - NEW - Respiratory doctor blows whistle on fake virus pandemic:

<https://www.youtube.com/watch?v=ZVe3PQ-dHwY&feature=youtu.be>

Any incoming patient is labelled a Covid patient. Most patients were never tested but were recorded as Covid deaths no matter what they died of. They're showing the numbers like a football game to scare yo. I've never seen bodies loaded into a tractor trailer. I really don't believe that they were bodies. All this stuff is fake. There is no shortage of ventilators. This is not invasive ventilation – this CPAP or BiPAP\* but we were not allowed to use them – they said it would cause the virus to spread. You have to let the patient crash and go straight to a ventilator. Everything that we would traditionally do, we're not allowed to do. They're not testing for a virus. This Covid test is different. They're testing for an RNA sequence for a reaction to the virus. **Then they put it in a PCR, which amplifies it, so if there is one little shred of that RNA sequence from a damaged cell in you lungs or in your nasal passage, you're going to test positive.** That can come from cancer, radiation, from several things. And then you hear all this talk on the news about antibody therapy and people wanting to donate plasma but they're not talking about the virus itself and that's a big issue. Is this as infectious as they're telling us it is? If so, these machines would all be in use and people would be dying and we're not seeing that. This is unbelievable. Every bit of this has been created. ... . I truly believe it is something else causing all this. H1N1 was a million times more scary compared

to Covid-19. You cannot vaccinate yourself for a sinus infection. I'm not sure that this is a virus. Does this warrant shutting down the country? For all you Trump supporters out there, we're doing the same thing they're doing in France, Italy, the UK so does that mean Trump is really in charge of this whole thing? Because I really don't think he is. I think he's being told to do what he's doing. I think this is Deep State. Illuminati stuff. They're shutting the world down. The world. And they're putting our kids and grandkids in severe debt for this scam that will never be paid off. Please ask questions, do your homework. Why are we having auto-manufacturers make ventilators? Who's testing them? How much are we paying for them. Is this going to be another corporate bailout where they give themselves million-dollar bonuses while we starve?

\* The difference between CPAP, BiPAP and ventilators: <https://aeroflowinc.com/need-ventilator-instead-bipap-cpap/>

### **Ayyadurai**

Dr. Shiva Ayyadurai ~ "Inventor Of Email! World Crisis & Political Power Structure" [Age Of Truth TV]: <https://www.youtube.com/watch?v=RAE8C0iEoRQ>

(US) Dr. SHIVA LIVE: Time for Truth on Coronavirus:

<https://www.youtube.com/watch?v=dFczfwW99kU>

(US) Dr. Shiva Ayyadurai - Scientist with 4 Degrees from MIT Warns 'Deep State' Using Coronavirus Fear-Mongering To Suppress dissent: [http://www.tathasta.com/2020/03/scientist-with-4-degrees-from-mit-warns\\_19.html](http://www.tathasta.com/2020/03/scientist-with-4-degrees-from-mit-warns_19.html)

### **Bhattacharya**

**Questioning Conventional Wisdom in the COVID-19 Crisis, with Dr. Jay Bhattacharya of the Hoover Institution: The official virus narrative is false:** [https://www.youtube.com/watch?v=-UO3Wd5urg0&feature=emb\\_logo](https://www.youtube.com/watch?v=-UO3Wd5urg0&feature=emb_logo)

Dr. Jay Bhattacharya is a professor of medicine at Stanford University. He is a research associate at the National Bureau of Economic Research and a senior fellow at both the Stanford Institute for Economic Policy Research and the Stanford Freeman Spogli Institute. His March 24, 2020, article in the Wall Street Journal questions the premise that "coronavirus would kill millions without shelter-in-place orders and quarantines." In the article he suggests that "there's little evidence to confirm that premise—and projections of the death toll could plausibly be orders of magnitude too high." In this edition of Uncommon Knowledge with Peter Robinson we asked Dr. Bhattacharya to defend that statement and describe to us how he arrived at this conclusion. We get into the details of his research, which used data collected from hotspots around the world and his background as a doctor, a medical researcher, and an economist. It's not popular right now to question conventional wisdom on sheltering in place, but Dr. Bhattacharya makes a strong case for challenging it, based in economics and science.

### **Berg**

(US) Dr. Eric Berg Important Lesson From the Spanish Flu Pandemic of 1918: <https://www.youtube.com/watch?v=ZyrcYVH6qtU>

### **Bhakdi**

Dr. Sucharit Bhakdi — one of the most cited research scientists in German history — [published a video](#) where he reiterates that "Implementation of the current draconian measures that 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 his contention for COVID-19? [...] The answer is simply: NO!**" [emphasis mine]

### **Bukacek**

**NEW - Montana physician Dr. Annie Bukacek discusses how COVID 19 death certificates are being manipulated:** [https://www.youtube.com/watch?v=\\_5wn1qs\\_bBk&feature=emb\\_logo](https://www.youtube.com/watch?v=_5wn1qs_bBk&feature=emb_logo)

### **Buttar (ranked as one of top 50 doctors in US; best-selling author)**

Dr. Rashid Buttar: Virus Engineered – Fake Pandemic: <https://phibetaita.net/2020/03/dr-rashid-buttar-virus-engineered-fake-pandemic/>

Renowned Microbiology Specialist On Why He Believes Coronavirus Measures Are "Draconian" (Video): <https://www.collective-evolution.com/2020/03/30/renowned-microbiology-specialist-on-why-he-believes-coronavirus-measures-are-draconian-video/>

**NEW - 16.4.20 – EXCLUSIVE: Dr. Rashid Buttar BLASTS Gates, Fauci, EXPOSES Fake Pandemic Numbers As Economy Collapses:**

<https://www.youtube.com/watch?v=WGbYHJcMbZ8>

**17.4.20 - True Earth , Another Truthful Doctor !! WOW ! it's spreading like a ...:**

[https://www.youtube.com/watch?v=6D853TA\\_DIs](https://www.youtube.com/watch?v=6D853TA_DIs)

**Coldwell**

Why You CANNOT And Will NEVER "Catch" Coronavirus:

<https://drleonardcoldwell.com/2020/04/01/why-you-cannot-and-will-never-catch-coronavirus-video/>

**Coleman**

(UK) Dr. Vernon Coleman:

[https://www.youtube.com/watch?v=vZ8sQQvqvrE&fbclid=IwAR3\\_9HibLMLoqLA2HjTjUwRMap-GYKKoK1q\\_3TDbdo4Q2QM2kW1gS9zjQ3s](https://www.youtube.com/watch?v=vZ8sQQvqvrE&fbclid=IwAR3_9HibLMLoqLA2HjTjUwRMap-GYKKoK1q_3TDbdo4Q2QM2kW1gS9zjQ3s)

**Cowan**

(US?) Dr. Thomas Cowan: **CENSORED BY YOUTUBE**

[https://www.youtube.com/watch?time\\_continue=11&v=jh1T4c3wP8I&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=11&v=jh1T4c3wP8I&feature=emb_logo)

NOW AT BRIGHTON: Covid-19/Coronavirus Caused By 5G? Dr Thomas Cowan, MD - Joshua

Coleman: <https://www.brighteon.com/c32af45d-175c-4880-8398-938fb3483122>

Doctor Thomas Cowan M.D. Claims 5G Radiation Poisoning Could Be Causing Coronavirus:

<https://www.brighteon.com/ede0dbf9-a4d4-4a1c-bfd0-ce4de7dc9872>

Dr. Thomas Cowan Covid19 fails Koch's postulates:

[https://www.youtube.com/watch?time\\_continue=1&v=m3LgrcDAIJs&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1&v=m3LgrcDAIJs&feature=emb_logo)

Coronavirus Fear, Germ Theory, Exosomes, and Resiliency - Thomas Cowan, MD, and Sayer Ji:

[https://www.youtube.com/watch?v=fvqNc4m5oOI&utm\\_campaign=Daily+Newsletter%3A+Coronavirus+-+Cowdan+-+Fixed+%28Ji2mSU%29&utm\\_medium=email&utm\\_source=Daily+Newsletter&\\_ke=eyJrbF9lbWFPbC16ICJhbGVjcmFtenVYzMxMkRnbWVpY20iLCJlCAia2xfY29tcGFueV9pZCI6ICJLMnZYQXkifQ%3D%3D](https://www.youtube.com/watch?v=fvqNc4m5oOI&utm_campaign=Daily+Newsletter%3A+Coronavirus+-+Cowdan+-+Fixed+%28Ji2mSU%29&utm_medium=email&utm_source=Daily+Newsletter&_ke=eyJrbF9lbWFPbC16ICJhbGVjcmFtenVYzMxMkRnbWVpY20iLCJlCAia2xfY29tcGFueV9pZCI6ICJLMnZYQXkifQ%3D%3D)

**Ioannidis**

(US) Prof. Ioannidis from Stanford is featured [in a long interview](#) where he reiterates that the data we have is gravely insufficient, and that the interventions that are being taken might be doing more harm than good — we simply don't know. He is the author of the controversial article "[A fiasco in the making? As the coronavirus pandemic takes hold, we are making decisions without reliable data](#)".

**Jensen**

Minnesota Senator, Dr. Jensen said that he received a 7-page document from the MN Department of Health advising him to fill out death certificates with a diagnosis of #COVID-19 whether the person actually died from COVID-19 or not. Can we trust the death numbers we've been seeing?"

<https://www.valleynewslive.com/content/misc/Sen-Dr-Jensens-Shocking-Admission-About-Coronavirus-569458361.html>

CDC's guidance for certifying Covid-19 deaths not accurate -- no virus testing, only "suspected" cause required: <https://www.greenmedinfo.com/blog/cdcs-guidance-certifying-covid-19-deaths-not-accurate-no-virus-testing-only-suspect>

Dr. Scott Jensen explains that the CDC's present guidelines for determining "COVID-19 deaths" are not evidence-based, and may even have to do with the greater profitability of doing so. His testimony runs directly counter Dr. Fauci, who labeled any criticism of their highly controversial policy "conspiracy theory."

**Kaufman**

Dr Andrew Kaufman exposing the 'Covid-19' magic trick - the sleight of hand that transformed society Dr Kaufman M.D. explains how this is all fake:

[https://www.youtube.com/watch?v=TXargSbVp7E&feature=emb\\_logo](https://www.youtube.com/watch?v=TXargSbVp7E&feature=emb_logo)

<https://www.youtube.com/watch?v=LZzlxnCHVDM>

Dr Andrew Kaufman: A Breakdown on Current Testing Procedures:

[https://www.youtube.com/watch?time\\_continue=3&v=Xr8Dy5mnYx8&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=3&v=Xr8Dy5mnYx8&feature=emb_logo)

Jaymie Icke Plandemic Podcast: Interview with a US Doctor: How Can You Make a Vaccine for Something Never Proven to Exist?: <https://www.brighteon.com/f3a2113e-13cd-4dde-82fb-f19291dfc3cb>

Ji: "Do you believe there is a virus in the first place?" Dr. K.: "No, I do not." ... Questions the idea that infections can be passed from person to person because no evidence for this has been provided.

#### 7.4.20 - Medical Doctor Blows CV19 Scamdemic Wide Open - Andrew Kaufman M.D.:

[https://www.youtube.com/watch?v=IHuL7HOC5MI&feature=emb\\_logo](https://www.youtube.com/watch?v=IHuL7HOC5MI&feature=emb_logo)

##### Kelly

Australasian Integrative Medicine Association (AIMA) – Dr. Robin Kelly: Webinar Covid19 5G and existing radio waves: <https://www.aima.net.au/webinar-covid19-5g-and-existing-radio-waves/>

##### Klinghardt

(INT) Dr. Klinghardt: <https://www.youtube.com/watch?v=fgj-VT5iVh0&feature=youtu.be>

##### Kyle-Siddell

COVID-19 is a condition of oxygen deprivation, not pneumonia... VENTILATORS may be causing the lung damage, not the virus:

[https://www.youtube.com/watch?v=k9GYTc53r2o&feature=emb\\_logo](https://www.youtube.com/watch?v=k9GYTc53r2o&feature=emb_logo) AND

[https://thecommonsenseshow.com/conspiracy-economics-education/bombshell-plea-nyc-icu-doctor-covid-19-condition-oxygen-deprivation-not-pneumonia-ventilators-may?fbclid=IwAR2eN51oPdv5ns7232FKVg64n7\\_C2G179G8jtMiC014Ijd8jsr6GaNNU2nk](https://thecommonsenseshow.com/conspiracy-economics-education/bombshell-plea-nyc-icu-doctor-covid-19-condition-oxygen-deprivation-not-pneumonia-ventilators-may?fbclid=IwAR2eN51oPdv5ns7232FKVg64n7_C2G179G8jtMiC014Ijd8jsr6GaNNU2nk)

**COVID-19 is not a pneumonia-like disease at all.** It's an oxygen deprivation condition, and the use of ventilators **may be doing more harm than good** with some patients. The ventilators themselves, due to the high-pressure methods they are running, may be damaging the lungs and leading to widespread harm of patients. "In these nine days I have seen things I have never seen before," he says.

[See appendix for fuller [summary of Kyle-Siddell's observations](#) and see below [Joe Imbriano on 60 GHz](#)]

##### Lee

(UK) Dr. John Lee, retired professor of pathology and a former consultant pathologist for UK's National Health Service, reiterates [in an article](#) that "Covid-19 deaths are a substantial over-estimate", and that **"the measured increase in numbers of deaths is not necessarily a cause for alarm, unless it demonstrates excess deaths** [emphasis mine] – 340 deaths out of 46,000 shows we are not near this at present."

##### Levitan

Coronavirus Patients - This is what I learned during 10 days of treating Covid pneumonia at Bellevue Hospital. ... I realized that we are not detecting the deadly pneumonia the virus causes early enough and that we could be doing more to keep patients off ventilators — and alive. ... Nick Caputo, an emergency physician in the Bronx. "Rich," he said, "it's like nothing I've ever seen before." ... During my recent time at Bellevue, though, almost all the E.R. patients had Covid pneumonia. ... During my recent time at Bellevue, though, almost all the E.R. patients had Covid pneumonia. ... Even patients without respiratory complaints had Covid pneumonia. ... And here is what really surprised us: These patients did not report any sensation of breathing problems, even though their chest X-rays showed diffuse pneumonia and their oxygen was below normal. How could this be?

We are just beginning to recognize that Covid pneumonia initially causes a form of oxygen deprivation we call "silent hypoxia" — "silent" because of its insidious, hard-to-detect nature. ... Pneumonia is an infection of the lungs in which the air sacs fill with fluid or pus. Normally, patients develop chest discomfort, pain with breathing and other breathing problems. **But when Covid pneumonia first strikes, patients don't feel short of breath**, even as their oxygen levels fall. And by the time they do, they have alarmingly low oxygen levels and moderate-to-severe pneumonia (as seen on chest X-rays). Normal oxygen saturation for most persons at sea level is 94 percent to 100 percent; **Covid pneumonia patients I saw had oxygen saturations as low as 50 percent.** ...

Their pneumonia had clearly been going on for days, but by the time they felt they had to go to the hospital, they were often already in critical condition.

In emergency departments we insert breathing tubes in critically ill patients for a variety of reasons. **In my 30 years of practice, however**, most patients requiring emergency intubation are in shock, have altered mental status or are grunting to breathe. Patients requiring intubation because of acute hypoxia are often unconscious or using every muscle they can to take a breath. They are in extreme duress. **Covid pneumonia cases are very different.**

A vast majority of Covid pneumonia patients I met had remarkably low oxygen saturations at triage — seemingly incompatible with life — but they were using their cellphones as we put them on monitors. Although breathing fast, they had relatively minimal apparent distress, despite dangerously low oxygen levels and terrible pneumonia on chest X-rays. ...

**Levitt****NEW 19.4.20 - 'No evidence that Covid-19 is causing huge loss of life':**

<https://www.rnz.co.nz/national/programmes/sunday/audio/2018743210/no-evidence-that-covid-19-is-causing-huge-loss-of-life>

**Radio interview (downloadable)**

Professor Michael Levitt, a Nobel laureate and Stanford biophysicist, says there is no clear evidence that Covid-19 is causing massive loss of life, despite evidence to the contrary in places like Europe and New York City. In fact, Levitt says it has not been a particularly bad year for flu deaths. And the people who are dying from coronavirus are those who are at risk of death anyway. Professor Levitt believes we're been 'primed for Covid-19 panic.' "What you're saying here is the case/fatality ratio. **It's the first time that the diagnosis has been by the presence of viral RNA on the person.** There's now lots of evidence that, for every symptomatic case, there might be as many as 10 asymptomatic cases. So I think that using the case/fatality ratio is a very, very dangerous thing. If you look at Germany, for example, they have a much lower ratio.

Certainly my estimates very early on were that, the most well-defined epidemic so far has been in China, excluding Hubei, the province where it all happened. There were about 120 deaths in China from people who had left Hubei. And they were all very heavily controlled. And there the death rate is 0.84%.

But I still think it depends how you define a case. I think there's evidence now that if you check for coronavirus in places like New York or Germany, 15% of the population have coronavirus. So if you, instead of thinking about cases, think about population fatality rates, they are either five times less than flu or three times higher than flu.

So in some ways we don't yet know that. No one really knows enough about the virus to know what level of infection you need to have herd immunity. I've been looking at this whole question. Let's imagine we have to let this thing burn itself out, we don't have a vaccine. How many people would die until we had something like enough herd immunity to protect us? In some ways, Covid is a little bit nicer than influenza. Not as a disease – it's an awful disease, as is influenza. But influenza tends to kill younger people. I think something like 25% of the influenza deaths are people under 70. Whereas for Covid it looks like only 10% are.

So we don't know yet. I think the answers will be coming very soon with the antibody testing. It will be very interesting to look back on this six months or a year from now. And we'll probably say: **how can we have been so fooled? Because there's been a lot of very, very irresponsible reporting.** Even in so-called high-quality journals like the *New York Times*. I saw an article there where they basically said that coronavirus was going to kill as many people as had been killed in Vietnam, the Korean war and something else. And of course, the number might be the same, but a person dying over the age of 80 is not the same as a soldier dying at the age of 20.

Statisticians know this. Economists know this. **There's a very simple measure called "years of life lost",** where basically, if you die after the life expectancy for your country, that doesn't count. And let's say your life expectancy is 80 and you die at the age of 75, that costs five years. If you die at the age of 20, it costs 60 years. But it seems to me that, just out of a sense of fairness, we have to rank the unfulfilled life as being worth more than a very full life. Otherwise we will have no progress. The key question is going to be, in the 12 months, say from six weeks from now, let's say 1 June. **If we go back 12 months and ask, what are the total number of deaths in the world in that period? Is it significantly larger than it was in previous years?** And I don't know, but I would not be surprised if the excess was very, very small.

It could be that I'm wrong, but not having immunity to Coronavirus is not a good thing. Let's just see. It's been very gratifying, for example... I was actually born in South Africa. And in South Africa there's actually been a *negative* death rate from Coronavirus because of all the murders that didn't happen. Just simply counting deaths is not the way to do this. You need to think about exactly who is dying ..."

"So far, we don't yet know. **It's not clear to me that total lockdown is needed or even desirable.** I'm not saying that it's not desirable. There's no doubt that if you had total, complete lockdown and nobody was allowed to move, you would get rid of the virus. Maybe health professionals will recommend that. But you're also doing a huge amount of psychological damage. Children – panic attacks are enormously common now. I have family members who are suffering from this. And then, of course, the economic toll. And again, if your country's wealth drops by 1%, then the poor people feel 10%. The rich people feel nothing.

**Lohse**

"The director of the University Medical Center Hamburg, Dr. Ansgar Lohse, [demands a quick end to curfews](#) and contact bans. He argues that more people should be infected with corona. Kitas and schools should be reopened as soon as possible so that children and their parents can become immune through infection with the corona virus. **The continuation of the strict measures would lead to an economic crisis, which would also cost lives**, [emphasis mine] said the physician.' (Via [SPG](#))

**Mercola**

Surveillance: Dr Mercola - New App Requires Reporting of People Sneezing or Coughing: [https://articles.mercola.com/sites/articles/archive/2020/04/01/live-coronavirus-map.aspx?cid\\_source=dnl&cid\\_medium=email&cid\\_content=art1HL&cid=20200401Z1&et\\_cid=DM495106&et\\_rid=841780283](https://articles.mercola.com/sites/articles/archive/2020/04/01/live-coronavirus-map.aspx?cid_source=dnl&cid_medium=email&cid_content=art1HL&cid=20200401Z1&et_cid=DM495106&et_rid=841780283)

**Montagnier**

(France) Dr Montagnier on COVID19 and Oxidative Stress: (short) <https://vimeo.com/397261221> (and long/full) <https://www.youtube.com/watch?v=A4fC9dBo6uQ&feature=youtu.be>  
Nobel-prize-winner Dr. Luc Montagnier On Coronavirus: <https://www.youtube.com/watch?v=roYcVHcKGzY>

**Neputi**

Frank Hahnel A real Doctor telling truth about [#corona](#). It's all Fake: <https://www.youtube.com/watch?v=j-1n9FVC6ro&feature=youtu.be>  
He recommends quinine and zinc preventatively. If you can't find quinine, he recommends 3-4 ounces Schweppes tonic water, which he says contains quinine. Dose for zinc: 50-100 mg zinc (for short time only). [Warning: Always consult your own physician]

**Pall**

Dr. Martin Pall, Professor Emeritus of Biochemistry and Basic Medical Sciences at Washington State University

**(US) NEW 22.3.20 - Argument for a 5G – COVID-19 Epidemic Causation Mechanism by Martin Pall, PhD:** <https://electromagnetichealth.org/electromagnetic-health-blog/5g-covid-19-epidemic/>

Prof. Em. Pall offers the theory that the suppression of the immune system by exposure to 5G towers could weaken the body and increase the detrimental effect of CoViD-19.

"The question that is being raised here is not whether 5G is responsible for the virus, but rather whether 5G radiation, acting via VGCC activation may be exacerbating the viral replication or the spread or lethality of the disease. Let's backtrack and look at the recent history of 5G in Wuhan in order to get some perspective on those questions. An Asia Times article, dated Feb. 12, 2019 (<https://www.asiatimes.com/2019/02/article/china-to-launch-first-5g-smart-highway>) stated that there were 31 different 5G base stations (that is antennae) in Wuhan at the end of 2018. There were plans developed later such that approximately 10,000 5G antennae would be in place at the end of 2019, with most of those being on 5G LED smart street lamps. The first such smart street lamp was put in place on May 14, 2019 ([www.china.org.cn/china/2019-05/14/content\\_74783676.htm](http://www.china.org.cn/china/2019-05/14/content_74783676.htm)), but large numbers only started being put in place in October, 2019, such that there was a furious pace of such placement in the last 2 ½ months of 2019. These findings show that the rapid pace of the coronavirus epidemic developed at least roughly as the number of 5G antennae became extraordinarily high. So we have this finding that China's 1st 5G smart city and smart highway is the epicenter of this epidemic and this finding that the epidemic only became rapidly more severe as the numbers of 5G antennae skyrocketed.

... ***"It is my opinion, therefore, that 5G radiation is greatly stimulating the coronavirus (COVID-19) pandemic and also the major cause of death, pneumonia and therefore, an important public health measure would be to shut down the 5G antennae."***

**Raoult**

(France) Professeur Didier Raoult, Directeur de l'Institut Méditerranée Infection et spécialiste des maladies infectieuses: <https://www.youtube.com/watch?v=j37S3fuF3w8>

**NEW: Interview with Professor Didier Raoult in the Parisien newspaper 22 March 2020:** <https://thesaker.is/interview-with-professor-didier-raoult-in-the-parisien-newspaper-22-march-2020/>

...The problem in this country is that the people that talk are abysmally ignorant. I did a scientific study of Chloroquine and viruses, which was published, thirteen years ago. Since then four other

studies by other authors have shown that Coronavirus responds to Chloroquine. None of that is new.

That the group of decision makers do not even know about the latest science takes my breath away. We knew about the potential effect of Chloroquine on cultured viral samples. It was known that it was an effective antiviral.

We decided in our experiments to add a course of treatment of azithromycine (an antibiotic used against bacterial pneumonia – ed).

When we added azithromycine to hydrochloroquine, in treating patients suffering from Covid-19, the results were spectacular. ...

### **Sircus**

(US) Dr. Sircus: <https://www.youtube.com/watch?v=trmW7zE4SPg&feature=youtu.be>

### **Solaimanzadeh**

Dr. Isaac Solaimanzadeh, practitioner of Internal Medicine at the Interfaith Medical Center in Brooklyn, is supporting what Dr. Kyle-Sidell is saying in the video about coronavirus being something more like high altitude pulmonary edema than a viral driven pneumonia:

<https://drsircus.com/coronavirus/medical-gas-coronavirus-therapy/>

### **Stilmann**

Dr. Stilmann on the connection between 5G and "coronavirus":

<https://www.youtube.com/watch?v=Vbd0R1-pXxs&feature=youtu.be&fbclid=IwAR16eP6NXYZ8ld8sn3SnfuanhVzlwqvbTIYFFu8GqllwyNZKI3Xkv9aWvAo>

### **Wittkowski**

Epidemiologist: Coronavirus could be 'exterminated' if lockdowns were lifted:

<https://www.thecollegefix.com/epidemiologist-coronavirus-could-be-exterminated-if-lockdowns-were-lifted/?fbclid=IwAR1UpPUdi14xHkEZcel6bLJ-71kcL4fVPb9JeJFWQ8xk9298gorpI2DIa1c>

"Going outdoors is what stops every respiratory disease"

Transcript: <https://ratical.org/PerspectivesOnPandemic-II.html>

### **Wodarg**

(Germany) Dr. Wolfgang Wodarg: <https://www.armstrongeconomics.com/international-news/disease/dr-wolfgang-wodarg-confirms-this-is-an-insane-panic/>

Medical testimony by Dr. Wodarg on the "Corona Panic":

[https://www.greenmedinfo.com/blog/medical-testimony-by-dr-wodarg-on-the-corona-panic?utm\\_campaign=Daily%20Newsletter%3A%20Touching%20Base%20%28Jj32hS%29&utm\\_medium=email&utm\\_source=Daily%20Newsletter&\\_ke=eyJrbF9lbWFpbCI6ICJzdG9wNWdhcHBIYWxAChJvdG9ubWFpbC5jb20iLCAia2xfY29tcGFueV9pZCI6ICJLMnZYQXkifQ%3D%3D](https://www.greenmedinfo.com/blog/medical-testimony-by-dr-wodarg-on-the-corona-panic?utm_campaign=Daily%20Newsletter%3A%20Touching%20Base%20%28Jj32hS%29&utm_medium=email&utm_source=Daily%20Newsletter&_ke=eyJrbF9lbWFpbCI6ICJzdG9wNWdhcHBIYWxAChJvdG9ubWFpbC5jb20iLCAia2xfY29tcGFueV9pZCI6ICJLMnZYQXkifQ%3D%3D)

### **Wolfe**

Dr. Darrell Wolfe: #236 - CORONAVIRUS PT. 1 - LIAR LIAR PANTS ON FIRE:

<https://www.youtube.com/watch?v=eZWEZsWo1Gg&feature=youtu.be>

### **Young**

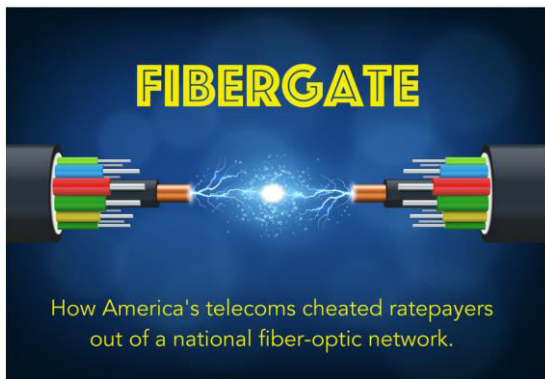
Coronavirus And Health Dr Robert O Young:

[https://www.youtube.com/watch?v=ZswSYwnR724&fbclid=IwAR13Mi5cmJyd-FHRXYagtfaYdZHpj\\_ki6AktYIMDpulkLk-kIPm6P7cKpg](https://www.youtube.com/watch?v=ZswSYwnR724&fbclid=IwAR13Mi5cmJyd-FHRXYagtfaYdZHpj_ki6AktYIMDpulkLk-kIPm6P7cKpg)

## **BACK TO CONTENTS**

## **ACTION**

**21.4.20 – US - Take Action over Fibergate:** <https://www.5gcrisis.com/> [Ed. I find these people (5G Crisis) weird. They write an email if you are on their list, but they don't give links to their own site. When you go to their site, you can't find the information in the email. Very odd. And by the way, if you don't want 5G, social crediting, technocracy, imprisonment in your home (like now only worse), digital currency, big data, totalitarian one-world government, mind control and much else, you don't want fibre-optic cable! But nevertheless the issue here is about the fact that US taxpayers funded something they did not get.]



Podcast; <https://www.greenstreetradio.com/post/the-big-telecom-swindle>

For decades, customers like you have been paying miscellaneous service fees and rate increases on your landline phone bills that the telecom companies were supposed to use to build out a national fiber-optic network.

And they kept billing you, but they never finished the job. Instead, they used "creative accounting" to divert the money to build out their wireless networks. We're calling this scheme "Fibergate."

This Thursday, at its April 2020 [Open Commission meeting](#), the FCC is slated to establish the "5G Fund for Rural America," awarding up to \$9 billion for the deployment of 5G mobile broadband services in rural areas.

It's outrageous. And it ought to be illegal!

**21.4.20 - Australia: Environment and Communities Safe from Radiation (ECSFR) PRESENTS: 4 part video expose and letter to Australian Government Chief Medical Officer: legal notice: cease and desist:** <https://ecsfr.com.au/4-part-expose-profit-before-people/> PDF here: <https://ecsfr.com.au/wp-content/uploads/2020/04/LEGAL-NOTICE-ECSFR-Inc-to-CMO-CEASE-AND-DESIST-1.pdf>

[Very long – ends on page 15]

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1019 Wilson Creek Road, Mullumbimby, NSW, 2482.

To: Dr Brendan Murphy

Chief Medical Officer

Australian Government

Via Email: [brendan.murphy@health.gov.au](mailto:brendan.murphy@health.gov.au)

LEGAL NOTICE: CEASE AND DESIST

Dear Dr Murphy,

This correspondence is based on a genuine concern for the health of the nation. We refer to your press release of January 2020: <https://www.health.gov.au/news/safety-of-5gtechnology>, titled Safety of 5G Technology.

In this release and in your capacity as a medical doctor, most senior medically qualified public official in the Nation, Company Director and Board member of the IARC, you make the following statements (highlight added):

1. *I'd like to reassure the community that 5G technology is safe.*
2. *The radio waves to which the general public is exposed from telecommunications are not hazardous to human health.*
3. *There is no evidence telecommunication technologies, such as 5G, cause adverse health impacts.*

The evidence in this letter, is an extract from a wider body of evidence (including from the same sources you rely on being ARPANSA and WHO/IARC), which we believe demonstrate your statements to be false and misleading. Further, in your capacity as a medical doctor, CMO and Board member of the IARC we question if a reasonable person would consider you had a duty of care owed to them, and if you knew or should have known your statements to be misleading.

Your statements may be relied upon by the general public, public officials, investors and company boards and as a consequence, may result in personal harm and economic loss. We believe that

2

Section 307B of the NSW Crimes Act<sup>1</sup>, along with other legislation<sup>2</sup> could be considered in assessing the consequences of your statement.

In any judgment, the extent to which the offender held a superior position of control, authority or specialist knowledge may be factored in<sup>3</sup>.

As time is of the essence and given the AUD500 Million<sup>4</sup> escalation of the 5G roll-out in circumstances where the Nation is in self isolation, we the people, require that within 14 days of today's date you undertake the following action to mitigate risk of harm:

- a. Publicly retract your above-mentioned statement, and
- b. Officially notify all councils (responsible for planning), all schools (responsible for children), all employers (responsible for workers), and all wireless Industry Boards, whom may presently be relying on your expert medical opinion of your retracted statement.
- c. Promote a moratorium on 5G until such time as it is proven to be safe and not hazardous.

If the above action is not taken within the specified time-frame, or you are not able to disprove our evidence presented, we reserve the right to pursue action.

As you seem to be a reasonable man of integrity, we can only assume that you are not adequately informed of the state of the scientific evidence relating to the biological and health effects of 5G technology. We now provide a body of evidence to demonstrate why, in good faith and with genuine concern, we believe your statements to be false and misleading.

In your press release, you state:

1 [http://www5.austlii.edu.au/au/legis/nsw/consol\\_act/ca190082/s307a.html](http://www5.austlii.edu.au/au/legis/nsw/consol_act/ca190082/s307a.html)

2 Section 18 of the **Australian Consumer Law**

Schedule 2 of the **Competition and Consumer Act 2010**

Section 12DA of the *Australian Securities and Investment Commission Act 2001*

**States and territories of Australia** each have Fair Trading Legislation

Medical negligence when the misleading information leads to harm, and

3 <https://emergencylaw.wordpress.com/2019/06/07/uk-case-on-liability-of-statutory-authorities/>

4 <https://www.rcrwireless.com/20200320/5g/telstra-suspends-job-cuts-accelerates-5g-rollout-facecovid-19-crisis>

3

*"The radio waves to which the general public is exposed from telecommunications are not hazardous to human health."*

The ARPANSA Technical report 182, "Non-ionising Radiation Protection in Australia" states (underline added):

*While there are generally no specific occupational NIR exposure regulations in most states or territories, NIR could be treated as a general occupational hazard and protected through Work Health and Safety regulations.*

*While there are no specific occupational exposure regulations in most states or territories, RF could be treated as a general occupational hazard and protected through Work Health and Safety regulations.*

*The trend of received inquiries declines significantly as exposure to NIR becomes more hazardous towards optical sources. This clearly shows a higher risk perception where science has not demonstrated a hazard from the exposure and more acceptance or even complacency where effects have been shown<sup>5</sup>.*

The ARPANSA Technical report 178, point 12 under special areas of research, acknowledges potential hazards are to be investigated:

*"Research on mm waves including investigating the potential hazards and the adequacy of the current limits in the Australian RF standard."*

The World Health Organisation (IARC) classifies electro-magnetic radiation (radio waves) RF as a Class 2B Carcinogen, a potential Carcinogen. You may be aware that there have been recent calls (given NTP and other research) to upgrade that classification to a definite carcinogen.

A potential (or actual) carcinogen is hazardous to human health or it would not have been classified as a potential carcinogen. ARPANSA's flawed study<sup>6</sup>, which omits a large section of the population, seems to dismiss the WHO classification (based largely on the link between Glioblastoma and mobile phone use).

According to <http://www.Health.Gov.Au>, you are the Australian Member on the International Agency for Research on Cancer (IARC) Governing Committee and you represent Australia at the World Health Assembly.

5 A matter that requires public education, not exploitation.

6 A recent ARPANSA study ignores all cases of brain cancer in people over 60y.o., which distorts the prevalence of Glioblastomas relative to the UK study. BMJ Open has posted a response to the ARPANSA/ACEBR paper by Alasdair Philips, he concludes, in part: *"In my opinion, their article unreasonably and misleadingly distorts the literature on modern detailed brain tumor incidence trends. The fact that it passed peer-review raises questions as to the competence and independence of the review process."*

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Being on the IARC governing committee, a reasonable person would consider you were a party to or aware of the Class 2B carcinogenic classification and the recent call for an upgrade to the carcinogenic classification. Yet, in this capacity you assure the Australian people a potential carcinogen is quote *"not hazardous to human health"*, and *"safe"*.

As a member of the IARC, the CMO has assisted in the adoption of workplace health and safety measures for other Class 2B carcinogens to which workers have a high chance of being exposed (e.g. Lead). Why not EMR WHS as well, as this was minuted as an issue in the formation of the original ARPANSA "Standard"? This issue was never followed through (TR182 confirms that), resulting in – almost 2 decades of possible harm that the audit trail demonstrates the Government is well aware of.

In your press release, you state:

*"There is no evidence telecommunication technologies, such as 5G, cause adverse health impacts."*

ARPANSA admit that 5G penetrates the skin and eyes, but assert that effects of 5G will be limited to the skin and eyes. As a medical doctor you cannot legitimately accept such a statement as sound science. This is analogous to stating "I spray DDT on the leaf and therefore the effect is only on the leaf". This is an unscientific statement. 5G uses millimetre waves (mmWaves) and there is an abundance of evidence (in fact quoted by the World Mobile Forum<sup>7</sup>) to show there are therapeutic goods therapies using mm wave (i.e. same frequency bands as 5G) to treat over 30 diseases. Such treatment (small dose and small duration), penetrates the skin so as to be transmitted by the nerves to the brain, releasing chemicals into the blood stream (including endogenous opioids). As someone who has made an admission of the study Opioid use<sup>8</sup>, you may be aware that these therapeutic effects include:

1. Sedative and analgesic effect.
2. Stimulation of the immune system.
3. An anti-inflammatory response.
4. Change cell growth and proliferation rates.

To quote from one<sup>9</sup> of many papers demonstrating health effects:

<sup>7</sup> <https://www.mwfai.org>

<sup>8</sup> <https://www.canberratimes.com.au/story/6595870/top-health-official-brendan-murphy-breaks-withtradition/>

<sup>9</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3522782/>

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*"The resulting "millimeter wave signal" is transmitted through the cutaneous nerve through the dorsal root ganglion into the spinal cord. At the first synapse in the spinal cord, there is a release of endogenous opioids.*

*The release of endogenous opioids occurs in at least two other spots in the brain. The subsequent release of endogenous opioids into the blood stream spreads these chemicals throughout the body, and certainly is adequate for explaining why pain relief can result from MMW exposures. The involvement of endogenous opioids in MMW therapy is verified by the fact that the beneficial effect of MMW therapy is completely abolished upon the administration of naloxone, a general opioid inhibitor. Opioids are also known to have wide-ranging effects on various systems in the body including the immune system. The transmission of the MMW signal through the cutaneous nerve is verified by the fact that the beneficial effect of MMW therapy is completely abolished by severing the nerve leading to the spinal cord. "*

As a doctor, you would know that many treatments that are therapeutic in moderation are harmful in an overdose situation. A constant release of opioids, stimulation of the immune system and cell

growth in conjunction with DNA mutations (e.g. Cancer), might see the population significantly harmed.

In addition, like tobacco, 5G mm waves have the potential to create dependency and be addictive by design.

The evidence clearly shows biological and health effects in the following body functions:

1. Skin
2. Nerves
3. Brain
4. Blood
5. Immune system
6. Inflammatory response
7. Cells

Despite the clear evidence of health effects, that is in fact even referenced by the Wireless industry (WMF10), ARPANSA make the following statement: *"There is not established evidence that low level radio wave exposure from 5G and other wireless telecommunications can affect the immune system or cause any other long term or short term health effects"*.

In TR182 ARPANSA states: *The health effects from RF have been highly researched and the only established effect is heating of tissue.*

<sup>10</sup> [http://www.mwfai.org/docs/eng/2019\\_08\\_13\\_MWF\\_mmWaves.pdf](http://www.mwfai.org/docs/eng/2019_08_13_MWF_mmWaves.pdf)

6

The Honourable Ed Husic is recorded in Hansard, during the question time with ECSFR, as acknowledging there is controversy in the science and that public servants are required to act in the public interest.

Are you, the Nation's CMO, being misled by ARPANSA, and unwittingly fronting a deceit of the Australian Public?

In a study of Cancer patients, Ken Karipidis of ARPANSA acknowledges: "non-thermal effects" in the comments<sup>11</sup>. This letter would be too long if we quoted the countless acknowledgements and inconsistencies by ARPANSA over harm, qualified with comments on lack of causality<sup>12</sup>, or comments on exposure of workers<sup>13</sup>. However, we can refer you to a submission and supplementary submission to the 5G Parliamentary Inquiry, made by ORSAA that provides evidence bringing into question both ARPANSA's credibility and ARPANSA's ability to draw any conclusions about health effects<sup>14</sup>.

Moreover, the Parliamentary Inquiry committee has been referred to case law overseas where the courts have concluded both causality (e.g. RF causes cancer) and that the international body on which ARPANSA relies (and in fact are on the board of), ICNIRP, is conflicted and is an unreliable source.

Let us also look at what ARPANSA says in the minutes of the "Radiation Health and Safety Advisory Council" from 5-6 March 2019. We refer you to Section 7.2 of the minutes and note the people present at the meeting included numerous people from ARPANSA (who gave a presentation on 5G) and we now Quote ARPANSA:

1. *"any effects would therefore be restricted to the skin or eyes"*.  
-Admission of 'effects' and an admission of their anticipated location. Note that the so called "therapeutic" effects on the nervous and immune systems, cell growth, inflammatory response and opioid release are not revealed by ARPANSA.
2. *"Not a lot of applied research has been conducted yet on the specific technology"*

<sup>11</sup> [https://www.arpansa.gov.au/sites/default/files/legacy/pubs/rps/rps3\\_neu\\_ca01.pdf](https://www.arpansa.gov.au/sites/default/files/legacy/pubs/rps/rps3_neu_ca01.pdf)

<sup>12</sup> Nonetheless, an acknowledgement of foreseeable risk of harm.

<sup>13</sup> E.g. <https://www.arpansa.gov.au/understanding-radiation/what-is-radiation/non-ionisingradiation/radiofrequency-radiation>

<sup>14</sup> [https://www.orsaa.org/uploads/6/7/7/9/67791943/orsaa\\_reponses\\_to\\_queries\\_raised\\_at\\_the\\_5g\\_hearing\\_final.pdf](https://www.orsaa.org/uploads/6/7/7/9/67791943/orsaa_reponses_to_queries_raised_at_the_5g_hearing_final.pdf)

7

-Admission: safety and risk cannot be assessed as inadequate research. You

cannot opine on risk given inadequate data to make an opinion. Such lack of research means that if you proceed with this technology, you neither exclude harm nor ensure safety.

3. *"ARPANSA still believes it is important to measure the real radiofrequency levels in the environment. ARPANSA's equipment currently doesn't measure radio waves at the high frequencies to be utilised by 5G".*

-Admission that the radiation levels cannot be ensured to be within safe limits as they cannot be measured and indeed as stated above, safety is assumed, not proven. This admits to a breakdown in quality control.

It is inconceivable that a Government regulator at the above level of (only partial) understanding can make any claims about safety. They could only make statements about risk to the effect that the risk must be better understood given what is at stake – the health of the population (and economic consequences of that) the environment, and therefore the Nation's economic health.

On the matter of risk, there is case law in the supreme court of Queensland, as follows: *"So long as a duty arises whenever the occurrence of the risk is not fanciful, a duty will arise in every single case."*<sup>15</sup>

ARPANSA also offer the following advice:

- a. *"If there are any harmful effects, then it's likely that the longer the exposure to RF the greater any risk may be."*
- b. *"However the possibility of harm cannot be completely ruled out."*<sup>16</sup>
- c. *"It is recommended that, due to the lack of sufficient data relating to children and their long term use of mobile phones, parents encourage their children to limit their exposure by reducing call time, by making calls where reception is good, by using hands-free devices or speaker options, or by texting."*

ARPANSA acknowledge risk and exposure risk (especially for children). Therefore, how can 4G or 5G be safe? Surely to offer an assurance of safety is misleading? To ignore the foreseeable health risk of children is to set them up for a lifetime of possible harm and health effects.

In your press release, you state:

<sup>15</sup> <https://archive.sclqld.org.au/qjudgment/1995/QCA95-484.pdf>

<sup>16</sup> <https://www.arpansa.gov.au/understanding-radiation/radiation-sources/more-radiationsources/mobile-phones>

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*"I'd like to reassure the community that 5G technology is safe."*

Australia's leading Medical Doctor, assuring us that 5G is safe.

On the contrary: There is a risk of harm, health effects, inadequate research, inability to measure exposures, a lack of understanding on exposure, a failure in risk communication, and a WHO potential carcinogen classification. **Altogether these factors do NOT equal safe!**

The forward of the ARPANSA Standard states:

*It is recognised that the Standard does not operate in isolation from the legal framework within Australia.*

And goes on to state...

*In effect, such laws require relevant parties to continually assess and improve the safety and health impact of their activities.*

Moreover, ARPANSA clearly state on their web-site that their advice is for *"information and research purposes only"* and if there are any health concerns the advice of a medical doctor is the authority.

If Australia's CMO, a medical doctor and health authority, says 5G is safe and not hazardous, it follows that industry have been relieved of the need expressed in the ARPANSA forward, to *"assess and improve the safety and health impact of their activities."* Does your statement then shift any liability for risk management away from industry and on you?

In saying 5G is safe and not Hazardous, have you abrogated your duty of care as a Medical Doctor?

It seems the reason that you are promoting that there is absence of harm is because of the absence of evidence, not because of your understanding of the available evidence. If courts determine someone is harmed by EMR (c.f. McDonald vs Comcare legal precedent<sup>17</sup>), based on a statement (such as your own) that is arguably misleading, would there be a case for medical

negligence?

You would be aware that military medical boards<sup>18</sup> have determined that EMR causes blood cancer. This alone is not conclusive in relation to microwave radiation of the general population, but it is a red flag – enough to warrant precaution and investigation. By the Government's own

17

[http://www.nextup.org/pdf/Administrative Appeals Tribunal of Australia Dr Alexander McDonald and Comcare 28 02 2013.pdf](http://www.nextup.org/pdf/Administrative%20Appeals%20Tribunal%20of%20Australia%20Dr%20Alexander%20McDonald%20and%20Comcare%2028%2002%202013.pdf)

18 *In relation to the RMA Statement of Principles No. 9 of 2005 in respect of chronic lymphoid leukaemia and death from chronic lymphoid leukaemia, made under subsection 196B(2) of the VEA: DIRECTS the RMA to amend the Statement of Principles concerning chronic lymphoid leukaemia No 9 of 2005 by including factors applying to chronic lymphocytic leukaemia for; Non-Ionising Radiation,*

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estimates, blood cancers will cost the Economy around \$500 Billion dollars<sup>19</sup> in the next 15 years, not to mention the untold human suffering. We again point out ARPANSA's admission of the "oversight" in terms of EMR/RF WHS not existing in other than Commonwealth workplaces. Is a \$500 Billion cost to the economy a fraction of the economic impact of that "oversight"?

Dr. Paul Heroux, Professor of Toxicology and Health Effects of Electromagnetism at McGill University Faculty of Medicine summarised 1,724 peer-reviewed studies showing radiofrequency bioeffects produced by non-ionizing radiation.<sup>20</sup>[1] Effects include: altered enzyme activity, biochemical changes, oxidative stress, pathological cell changes, neuro-behavioural effects, DNA damage, altered gene expression, brain activity changes, and death of cells. It is well established that in the long-run, these adverse biological effects will lead to chronic diseases. **It is these conditions that now comprise the major health burden in Australia rather than acute illness.** Precaution and appropriate risk management are not just about physical health, but also an issue of economics. Both matters are considered in determining the public benefit and hence the national interest.

Even if Government Policy is focused on corporate over public interest, we must caution that any public official has a Constitutional legal obligation to protect the public and to act in the public interest.

As Australia's CMO, why are you not investigating the cause of the spike in blood cancer and other diseases, in case they are in fact related to the increase in the environmental saturation and over-exposure of the population to EMR?

Medical doctors have stood up publicly against Government Policy on Pandemic Covid19. One can only hope Doctors become equally concerned with the population saturated in non-ionising RF radiation and disease associated with EMR potentially skyrocketing.

In your press release, you state:

19 <https://www.leukaemia.org.au/about-us/mylifecounts/bctaskforce/https://www.theguardian.com/australia-news/2019/sep/01/blood-cancer-taskforce-seeks-to-tacklediseases-that-kill-20-australians-a-day>

20[1] The studies reviewed by Heroux were contained in the New Hampshire Commission interim report

<http://www.gencourt.state.nh.us/statstudcomm/committees/1474/reports.html>

10

*"To ensure the public remains protected, ARPANSA established limits for EME through a Standard. This Standard is designed to protect people from exposure to radio waves."*

The object of the ARPANS Act<sup>21</sup>, is arguably unconstitutional as health is a plenary power. In addition, RPS3 is not a Standard, but a guideline as is made abundantly clear in the foreword of the "Standard". A guideline is not enforceable unless adopted by State and Territory legislation. However, it is incumbent upon the States and Territories, when faced with overwhelming evidence, to implement legislation to protect public health. As ARPANSA and ACMA jointly admit, *"The exposure limits in the ARPANSA Standard are only enforceable if they are referenced in other regulatory arrangements."*<sup>22</sup>

This is evident in ARPANSA's Technical Report 182, where ARPANSA states:

*"Regulation of RF exposure is thorough in the area of communications where public*

*exposure occurs, however, only the Commonwealth regulates RF emitting devices at workplaces. This oversight is limited by the specificity of the regulations where the focus is on devices rather than exposure. In this case, there is a clear limitation in being able to address other sources of RF exposure and a risk of regulations becoming outdated based on the technology focus of the oversight. All other jurisdictions (apart from Western Australia) have no specific regulations regarding RF exposure in the workplace."*

The health risk posed by accumulation of radiation from multiple devices and exposure over time is not regulated (or even monitored) by any Commonwealth, State or industry body. There is a generally held erroneous belief that ARPANSA are the authority and ARPANSA is keeping the people and the environment safe.

Apart from Commonwealth employees the Nation's workers (and school children) are NOT protected by WHS requirements in relation to non-ionising radiation.

Countless parents, children, workers and councils have raised issues of concern over telecommunications powers and specifically 5G mm waves. The Parliamentary Inquiry is evidence of this. Why does the CMO not consider the controversy over the science and urge the Government to place a moratorium on 5G mm waves, and investigate the genuine concern over Health?

21 *The object of this Act is to protect the health and safety of people, and to protect the environment, from the harmful effects of radiation.*

22 [https://www.arpansa.gov.au/sites/default/files/legacy/pubs/aboutus/collaboration/js\\_wifi.pdf](https://www.arpansa.gov.au/sites/default/files/legacy/pubs/aboutus/collaboration/js_wifi.pdf)

11

Telecommunications powers currently provide for the population to be exposed to a classified pollutant, toxin and potential carcinogen on a continuous basis with no exposure guidelines in place, no WHS in place, and no consent. The ABC would be well aware of the Cancer cluster at their offices at Toowong. ACMA is not a health regulator. The Australian Constitution does not provide the Commonwealth with such powers over Health.

The current situation in Australia is a violation of Human Rights as was tabled to the United Nations Human Rights Council<sup>23</sup> in early 2019.

*The deployment of 5G violates over 15 international agreements, treaties and recommendations, including article 7 of the International Covenant on Civil and Political Rights, which derives from the Nuremberg Code of 1947. [25]*

*It also violates the Declaration of Helsinki of 1964 and its several revisions, as well as other international guidelines that have been translated into national laws in various countries. [26]*

The above mentioned UN NGO document provides clear parallels between the Tobacco Industry strategy and the regulatory and research capture by the wireless industry today.

I personally have had relatives die in War, to uphold Australian values and Human Rights. The Nuremberg trials and subsequent Code were supposed to ensure that never again would a population be experimented upon or harmed without consent.

Is it morally and legally (both in Australia and under international law) wrong for medical doctors to condone or support conduct by public officials or to make statements that are on face value misleading and deceptive and forcing foreseeable risk of harm upon a partly non-aware (e.g. misled), and partly aware and non-consenting population?

The UN NGO document referenced earlier states:

*PACE believes that 5G, together with previous generations of wireless technology, is an experiment on humanity that constitutes cruel, inhuman and degrading treatment under General Assembly resolution 39/46 of 10 December 1984. [24]*

Is it not un-Australian to place children at foreseeable risk of harm or actual harm<sup>24</sup> for profit or because it is expensive or inconvenient to do otherwise?

23 <https://www.radiationresearch.org/wp-content/uploads/2019/03/pace-UN-Human-Rights-Council-5G-statement.pdf>

24 The NSW Department of Education, for example, has been served with medical certificates and other evidence of concern and possible harm by parents and former teachers. They respond by issuing court orders to force children into foreseeable risk of harm. There are cases of children being hospitalized following wi-fi upgrades at school. There are WHS incidents of teachers being

harm. The Sec of the Department of Education in NSW is on notice, there has been no action, the evidence is mounting.

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Is it not time to pause while we cross-correlate cancer databases and health records with basestations and work-places and schools? It is time for government to stop ignoring the thousands of independent (non-industry funded) research papers showing harm to understand the risk of harm and how best to manage risk. It is time to also stop the suffering of electro-hypersensitive people and bring them inside the disability support safety-net. It is time for States and Territories to put effective health regulation systems in place and to revisit a genuine National Radiation Protection Standard.

ECSFR are not lawyers or medical doctors and we trust you will conduct your own investigations into the matters raised here, and act in the public interest.

We anticipate your response.

Yours sincerely,

S.J.Toneguzzo

(B.E.Eng., Grad.Dip.Comp.Sc., M.Eng.Sc., CPEng., Fellow IEAUST., NER, APEC, IntPE(Aus)).

Chair, Environment and Community Safe from Radiation Inc.,

[info@ECSFR.com.au](mailto:info@ECSFR.com.au)

15.04.2020

C.C.

The People of Commonwealth of Australia and of the State of New South Wales

[www.ECSFR.com.au](http://www.ECSFR.com.au)

CROWN – CONSTITUTIONAL DUTY

*His Excellency General the Honourable David Hurley AC DSC (Retd)*

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FEDERAL PARLIAMENT – 5G Inquiry

Mr Jason Sherd, Committee Secretary

Standing Committee on Communications and the Arts, Department of the House of Representatives

**13**

[Communications.Reps@aph.gov.au](mailto:Communications.Reps@aph.gov.au)

FEDERAL GOVERNMENT

The Proper Officer

National Legal Services

AHPRA

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NEW SOUTH WALES STATE GOVERNMENT

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Hon. Brad Hazzard, MP

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## AI / MIND CONTROL

\*\*\*\*\*A MUST, MUST, MUST MUST, MUST, MUST WATCH\*\*\*\*\*

**15.4.20 - 5G, The rise of the machines, extinction codes set, world dominance: Cyrus Parsa:**  
[https://www.youtube.com/watch?time\\_continue=2&v=ZGQ2Ihtzc\\_M&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=2&v=ZGQ2Ihtzc_M&feature=emb_logo)

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## ANALYSIS

**20.4.20 – Joe Imbriano - Banned on Youtube! This is the most up to date interview on the lockdown and the weaponry:** <https://www.bitchute.com/video/9bPycZ3zhRIY/>  
 Ed. It cuts off half way through because it was banned.



**Food with a high vibration which results in a higher consciousness:**

[www.astoundingelements.com/food-for-a-higher-consciousness](http://www.astoundingelements.com/food-for-a-higher-consciousness)

As one goes through life, eating out of necessity becomes a routine. This



**Organic food has a high vibration**

routine - depending on where you live - is called; breakfast, lunch and dinner. If the habit of eating includes foods that are not good for you, then one lowers their vibration thus making themselves vulnerable to sickness and disease. This is the danger of unconscious eating.

Everything in the universe has a vibration; this includes rocks, trees, plants, minerals, animals, people and so on. These are all measurable in hertz. Hertz, is named after the scientist Heinrich Rudolf Hertz; he was the first physicist to produce radio waves artificially. He proved the existence of electromagnetic waves; and determined that one hertz is equal to one cycle per second. Remember, everything in the universe is energy; there are no exceptions, for example; **a rock may have a low dense vibration, but an apple has a much higher vibration.**

Eating nutritiously is important, but what seems to be ignored - by the consumer, the distributor, the medical community, the educational institutions, the government and the seller - is the value of foods high in vibration.

**When eating fresh fruits and vegetables off the plant, tree or vine, the vibrational benefit of the food is maximized.** Food shipped long distances lose their vibrational value, as they are picked long before they ripen before they arrive in your kitchen; meaning they did not get the sun required to maximize the vibrational quality of it. It's important to eat organic and local food as much as possible, because the energy in the food is of a high vibration and thus will help keep the body light rather than dense. Furthermore it will reduce the carbon footprint since local food does not require long distance shipping.

A dense body is undesirably and unconsciously achieved in most modern high stress, rat race, and cosmopolitan cities. Here the food choices available are not very high in water or vibration, are filled with sodium content, often bottled, canned or frozen, and are thus simply not good for you.

The food choices offered on the majority of city corners are almost exclusively of a low density vibration.

When one eats organic food directly from the plant, the plant is rich in nutrients from the sun. The sun is the key to everything, as it charges these foods to reach their maximum health benefit. These foods are at their optimum when picked ripe right off their tree or plant. Most fast food restaurants, large grocery food chains, even middle of the line eateries offer food that is of a very low vibrational quality, thus adding to the density of the body. Adding to the density lowers the hertz in the body and thus can result in sickness, obesity, stress, health issues and eventually death.

A healthy human body operates at 62 to 72 hertz. By raising the vibration of the body disease, virus, fungi and bacteria cannot live; the emotions become pleasant and positive and negative thoughts and emotions do not appear in the thought pattern. Modern society is laced with low density temptations for the palette.

Foods to avoid which have little to no vibrational value; any processed foods, white flour, processed sugar, canned foods, pop, frozen foods and especially fast foods because they contain most if not all of the above items. Other items to avoid with either no or little vibrational value; cigarettes, hard liquor, pasteurized cow milk, infant formulas, pharmaceutical drugs, radiation of any kind (x-ray for example), pasteurized yogurt and cheese, and most meats, such as; beef, chicken, lamb and pork, microwaved food, genetically modified food, any artificial sweeteners, margarine and lards, and any foods containing additives.

Foods high in vibration are; fresh organic fruits and vegetables, pure clean water, sea vegetation and raw honey. Other foods that have good vibrational value; maple syrup, cooked vegetables (blanch them to retain optimum vibration), raw nuts and seeds, raw organic dairy products (not pasteurized), free range eggs, wild fish, raw oils, such as; cold pressed extra virgin olive oil among others.

People have been told for decades, if not centuries, that they require three meals a day, when in fact it does not hurt to skip meals at all; because generally speaking the less food one eats in a lifetime, the longer one lives. When one does eat, do so consciously and in moderation with foods that keep the body more alkaline, as the more acid in the body, the more problems can occur; resulting in a dense vibration and the possibility of problems more likely.

One other item of note and importance, give thanks and bless your food before eating and even while preparing and cooking it; therefore it's a good idea to make your kitchen space a special, almost sacred place; because when one practices this, it will lift the vibration of the food.

When eating; it's also important to create an ambiance of peacefulness. Light some beeswax candles, put on quiet music, do not argue at the dinner table, eat food slowly and chew well, and give thanks for the bounty; this will enable proper digestion of the food.

To find high vibrational foods, steer clear of the large supermarkets, or department stores offering supermarkets in them, as their aisles are primarily loaded with items for fast convenience and low vibrations. However, some supermarkets may be making adjustments, just be vigilant to seek them out, because the vast majority only have an interest in the status quo. As an alternative, locate fresh produce stores and buy local and organic when possible. Although harder to find and locate – depending on the city one lives in – health stores also have many products, which are mainly organic. It's also very important to grow your own produce during the growing season, to optimize the nutritional and spiritual value of the food.

The results will most likely aid one in turning their life around. Practice the art of patience and intent regarding this new approach to food; and it will result in tremendous spiritual, mental and physical gains to lead a better, more divinely driven existence.

The choice is clear, stay away from; fast foods, heavy meats, processed food, large amounts of sodium and sugar in the diet; and head towards a leaner, higher vibrational diet. The results will be a lighter, less dense body; higher consciousness levels, a direct feed of intuition from one's higher self, and living your life's purpose.

#### **Investments – pensions – advice from Armstrong Economics:**

<https://www.armstrongeconomics.com/qa/why-cash-remains-king-qa/>

**19.4.20** - New technology: it's all about to change, controlled no more: zach vorhies:

<https://track.slsv2.com/track/click?linkData=1->

## Running Time 43 mins

A full transcript of this amazing interview appears beneath the video linked below.

## The GreenMedInfo Newsletter

April 20, 2020

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I am happy to report that I am starting to witness a critical mass of folks waking up to the fact that the **coronavirus crisis is not just about a loving government** who has required the indefinite suspension of your Constitutionally protected civil liberties and most social and economic activity in this country **only because it is trying to save us from an inexorably lethal virus.**

Since the launch of our campaign with **Stand for Health Freedom**, over **20,000 people, in all 50 states**, have expressed to their mayors and governors that we can protect and take care of the sick and vulnerable minority of our population without keeping law-abiding, healthy people from making a living (without which health and security of the most basic kind is not possible), or from exercising their right to cultivate natural immunity by being able to socialize, attend school, worship together, and exercise outside in the elements.

**Why are so many people waking up?** Because millions are now understanding how the official death statistics used to justify the indefinite lockdowns have been, and continue to be **grossly manipulated and over-inflated**. Starting on March 14th, with the **Ferguson report from Imperial College** that proposed over 2 million US citizens would die if a national lockdown was not initiated immediately (an estimate later retracted), these **vastly exaggerated mortality statistics** were used by the pharma-funded media to fan the flames of fear, ushering in our present **medical police state where all our Constitutionally protected civil liberties are claimed to be suspended under the auspices of a national health emergency.**

**To take a deeper dive into the truth about COVID-19 death statistical manipulation, watch James Corbett's in-depth report on the topic here:**

**VIDEO:** [Lies, Damned Lies and Coronavirus Statistics](#)

Even now, the WHO desperately clings to a **preposterously over-inflated official COVID-19 fatality rate of 3.4%** (Yes, this is the same global organization that Bill Gates is presently the #1 funder of; a billionaire businessman with no medical background, and who was not elected or officially appointed to make health decisions for you or I) -- even though they have **directed the entire world to label as "confirmed COVID deaths" cases where no virus testing is required; only "suspicion" of infection.** **The WHO's egregiously over-inflated number is the reason why WHO director of Emergencies Programme Dr. Mike Ryan recently stated** that medical authorities may need to **come into families homes and forcibly remove those who are suspected to have COVID.** As you can see, the real world implications of these fatality statistics have potentially **terrifying applications to you and I.**

**This is why today's featured article is so important as an evidence-based antidote to the growing specter of medical fascism:** [Stanford Team Finds Evidence COVID-19 Mortality Rate Is As Low as .2% \(17 Times Lower Than WHO's Estimate\).](#)

**Please help us spread this information far and wide.** Forward this email and **campaign** to friends, family, law-makers and health professionals. Together, we are making a difference. **Never before has the phrase, "the truth will set us all free," been more accurate in both its literal and spiritual senses.**

**This is also why I'm excited to announce the launch of a new platform called QUESTIONING COVID, which you can explore here:** [Clinicians, Researchers, & Health Experts from Around the World Interrogating the Mainstream Narrative Around the Pandemic.](#)

Best regards

Sayer Ji,

Founder of GreenMedInfo

**Councils felling trees to hide 5G death rays:**

<https://www.youtube.com/watch?v=rVMBrQkFcVk&feature=youtu.be>

Councils around the world are felling trees to hide the fact 5G kills trees as well as to ensure nothing blocks the signal. Trees have been felled all over the world where 5G has been or is being installed. One place where lots of trees were felled is Sheffield with the only reason given being they posed a trip hazard. In fact, the true reasons are that 5G was about to be rolled out and trees reduce the signal by 70%. But another sinister reason they were felled was because the council must have known the trees would die and send the message loud and clear to the people of Sheffield that 5G was a very serious health hazard. So serious in fact that it has been used as a weapon. It now seems it is being used as a weapon by corrupt leaders of Sheffield against the people of Sheffield. This is being mirrored all over the world as 5G is rolled out very rapidly having not been tested as all for safety other than by the military who needed to know how powerful a weapon it was! The whole world is infested with corrupt pigs who are somehow entrapped into the greatest crime against humanity. So entrapped they are prepared to threaten their own health and the health of their families in order to carry out the orders from above. Make no mistake about it: 5G is designed to kill us and your leaders know it!

### 23.2.19 - Dr. Jerry Tennant: Healing the Body's Electrical Circuitry | Electricity of Life:

<https://www.youtube.com/watch?v=MPDPrXEaE1s&feature=youtu.be>

Fascia are simply semiconductors.

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### BIG PICTURE – OVERVIEW

#### Essential insights:

- **A MUST, MUST, MUST MUST, MUST, MUST WATCH - 5G, The rise of the machines, extinction codes set, world dominance: Cyrus Parsa:**  
[https://www.youtube.com/watch?time\\_continue=2&v=ZGQ2lhtzc\\_M&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=2&v=ZGQ2lhtzc_M&feature=emb_logo)
- David Icke censored interview with LondonReal: for full links, transcript etc. click [HERE](#)
- Nich Begich - space/HAARP: Dark Journalist And Dr. Nick Begich COVID-19 5G DARPA AI Surveillance State!: <https://www.youtube.com/watch?v=niYUPVOLF0w>
- Ernst Wolff: #Corona: The Collapse of the System:  
[https://www.youtube.com/watch?feature=share&fbclid=IwAR3AKLyrBbW\\_t0s40Xun0bpzrU KijNMHRXoDEtDyEpgx3fheD6L1ARN\\_pXw&v=8LYjOEib9il&app=desktop](https://www.youtube.com/watch?feature=share&fbclid=IwAR3AKLyrBbW_t0s40Xun0bpzrU KijNMHRXoDEtDyEpgx3fheD6L1ARN_pXw&v=8LYjOEib9il&app=desktop)
- Anthony Patch: Please listen to what Anthony Patch said in 2014 about the Corona Virus and the vaccine:
- <https://www.youtube.com/watch?v=RpdXTRpHSYQ&fbclid=IwAR1jxfdmTPpkCLadSGCDTeRwcdkC0Zxl9IInsFx1Jkp59RuCFnqRkyiF8>

<https://www.youtube.com/watch?v=nk33GIYxY14>

Part 1: Apocalypse and the End Times - Anthony Patch - 1:

<https://www.youtube.com/watch?v=5OYf87iMxD8>

Part 2: Apocalypse and the End Times 2016 - Anthony Patch - 2:

<https://www.youtube.com/watch?v=OlqZlQySO9s>

Part 3: Apocalypse and the End Times - Anthony Patch – 3:

<https://www.youtube.com/watch?v=IK147OJO2k8>

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### CENSORSHIP

#### How to download something from Youtube. It's easy:

1. You open this website: <https://www.y2mate.com/en11/convert-youtube>.
2. You paste the youtube link you wish to download.
3. You press download (bar starts to pre-download).
4. You press download again.
5. Ready to watch and store on your PC.

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**COMMENT**

On social media, someone urges people to burn the cell phone towers down “before it’s too late”.

**18.4.20 - Puppet dictators play a covid card too far by Julian Rose:**

<https://www.activistpost.com/2020/04/puppet-dictators-play-a-covid-card-too-far.html>

The attempt to make the irrational and implausible appear rational and plausible has now reached dizzying new heights. The ceaseless flow of blatantly contradictory

proclamations and actions emanating out of governments and global institutions that represent health, the economy and justice, sets the scene for the puppet dictators to play their Covid crisis cards. With approximately three billion people now under house arrest, it certainly is not a pretty picture.

But here we are; and the media is the design and control agent for ensuring that this picture reaches every home and flat TV screen in the Western World. While the media’s main controlling agent may appear to be government, government moves in lock-step with the commands of corporations, billionaires and bankers and they, in turn, are beholden to some form of conductor who is not directing from in front of the orchestra, but from somewhere behind the orchestra pit – somewhere dark.

We are finding ourselves being herded by this Corona cabal. There is a distinct feeling that we are entering into a fundamental battle for the survival of the species. While the present battle lines are being defined by the degree to which irrational and draconian lock-down measures are being imposed on those whose basic civil rights and liberties are completely disrespected or simply not considered at all.

That amounts to a deliberate attempt to pick a fight with the people of this planet – and then, if they retaliate – imprison them. I believe this provocation is being masterminded to create sufficient confusion and fear to allow the perpetrators to take a big step forward in what was publicly stated in George Bush’s infamous announcement of a ‘New World Order’ on September 11<sup>th</sup> 1990, thirty years ago. A declaration made in the context of foreign affairs dealings with Russia, but disguising the coming imposition of a despotic totalitarian regime whose covert web was already being wrapped around the planet via decades of US military industrial funding and hegemonic power play.

So let us remind ourselves, on 19 March 2020 – which now seems a long time ago – the British government published this official announcement under the title ‘Status of Covid-19’ “As of 19 March 2020, Covid-19 is no longer considered to be a high consequence infectious disease (HCID) in the UK.” On the very next day a colleague sent me a scan taken from a page of *The American Encyclopedia of Practical Medicine* clearly stating that coronavirus is the medical term for the Common Flu (influenza). I then read some statistics relating to the number of deaths caused by the common flu and each country showed a similar pattern: the number of month by month deaths attributable to the common flu very closely aligned with those being given for CV-19. So where does that leave us today?

Caste your mind for a moment to the global warming scam and consequent arrival of Green New Deal and its fanatical ambition to achieve ‘Zero Carbon’ planetary (CO<sub>2</sub>) emissions. The language being used here is designed to deliberately create confusion, since ‘carbon’ is a vital clear and completely natural gas that plants take-in in order to live and grow. Without it the plant kingdom would die – and so would we – for a lack of oxygen. If the ‘science’ was real one would not hear government leaders (advised by scientists) spouting on about why we must achieve Zero Carbon, because they would realise that they were promoting an extinction event – the end of oxygen – and that would not be popular with the voters, one presumes. The science is fake, even when it is occasionally stated as anthropogenic CO<sub>2</sub> emissions rather than simply ‘carbon’.

Now we are seeing the same thing happening with the coronavirus. It is being portrayed as a killer and so bad that we all have to be locked away from each other and from most normal activities for months on end, like cattle suffering from mad cow disease, or as though five Chernobyls had suddenly gone into meltdown. But the reality is that the common flu bears the encyclopedia description 'coronavirus'. So just like with 'carbon' being designated a killer in the global warming fake dialogue, so the common flu is also being hyped-up as a pandemic killer within the context of the current Covid-19 epidemic.

In both cases the language has been twisted inside-out and up-side-down – so as to thoroughly confuse the situation and deliberately obfuscate reality. We are then informed by straight-faced 'experts' that the resulting irrational gobbledygook is the bona fide truth.

To do this, they rely on our gullibility and willingness to suspend our powers of reason when confronted by a deceptively managed 'big show'. One that typically features suited officials bearing various pompous titles being wheeled out so as to show us how very well trained in the art of lying they really are.

It's unnervingly interesting that millions and millions can be brought to their knees by such a simple technique. Such a basic form of deception. And it is, of course, amplified when combined with digital communication techniques, subliminal and actual mind control methodologies and dire warnings that deliberately provoke fear. All this is what we now have to contend with, recognise for what it is and then take specific actions to counter and render inoperative.

We are at the turning point of humanity's long history of slavery to the perpetrators of mass hypnosis and the deep levels of domination which this form of sedation makes possible. However, even the best laid plans in the world cannot plan for the 'law of unintended consequences' and the fact that even the most skillfully contrived plots produce unforeseen and unintended outcomes. This is where the laws of nature and the universe ultimately undo the demonically inspired forces of tunnel vision despots, and expose the underlying weakness of those obsessed with puffed-up political power.

It is our job to now hold the line of fearless commitment to the deeper truths of life and pass their message on to those who have ears to hear. Under the law of unintended consequences some rather remarkable things are happening during this unprecedented domestic imprisonment of great swathes of society, with its consequent lack of commercial activities.

There is a great reduction of noise, everywhere. There is a marked drop in levels of pollution, in general. The sky is largely free of aircraft and even the chemtrails have temporarily abated. People confined to their houses and apartments are finding creative ways of expressing their humanity and pride, for example in joining together in songs and music from balconies and across the streets in which they live. Humour erupts where the absurdity of the supposedly 'precautionary regulations' reaches critical levels.

All sorts of sparks are illuminating the imposed shadows of darkness. We are witnessing and participating in – pockets of instinctive survival rebelliousness – thus brightening the standardised moods of internalised anxiety and fear-based obedience to the state. Not only on the earthly plane are we being subjected to deep challenge, but on the cosmic level we are also being taunted. Ever more taunted to wake-up!

That is the dual nature of the Lila; the divine cosmic play. A game in which the Creator ensures that 'evil' is unwittingly given an unlikely role, that of forcing the good in us to come out of its shell – and take a lead in guiding us through the labyrinth. We are being coaxed to rise up as one, from North to South, from East to West, to liberate ourselves from that which will – unless we finally withdraw our acquiescence – destroy the greater part of life on Earth.

Covid-19 is our trigger point. Along with the forced deployment of genetically engineered foods and 5G microwave radiation, this is the event which will turn the tide of history and reveal 'we the people' to be the true heirs to the future. We are touching critical mass. They have gone one step too far – and know it. The mix is explosive.

Rise-up, we have work to do.

#### **21.4.20 – Woody Harrelson speaks out about the 5G-Coronavirus connection:**

<https://www.pravda-tv.com/2020/04/coronavirus-woody-harrelson-sagt-dass-5g-moeglicherweise-an-der-pandemie-beteiligt-ist-5g-tuerme-in-brand-gesteckt-videos/>

#### 21.4.20 - COVID: The projection of a mass illusion by Jon Rappoport:

<https://blog.nomorefakenews.com/2020/04/21/covid-the-projection-of-a-mass-illusion/>

Protests against the COVID imprisonment are spreading across America.

—Bright lights starting to dispel the darkness.

These protests are fracturing the illusion that we're in the grip of a virus that dictates economic suicide.

Here, from the US Library of Congress, is a sentence about the Great Depression of the 1930s:

*"In a country with abundant resources, the largest force of skilled labor, and the most productive industry in the world, many found it hard to understand why the depression had occurred and why it could not be resolved."*

Exactly. The engineered 1929 crash of the stock market did not change the quantity or quality of national resources, labor, or industry one iota.

What had changed was the successful projection of a mass illusion: "THINGS ARE COMPLETELY DIFFERENT NOW. TODAY IS COMPLETELY DIFFERENT FROM YESTERDAY."

In 1929, the official gibberish focused on unchecked speculation in the stock market. Today, the official gibberish focuses on an unproven virus.

Official fatuous pronouncements about 1929 would have you believe that every American was, unfortunately, leveraged up to his neck in crashing stocks. Pronouncements about 2020 would have you believe every American has suddenly become a transmitter of a deadly virus. Both big lies.

When it comes to what is laughingly called medical science, the basic energy, drive, ambition, outlook, and inner vision of the individual is discounted. His emotional force is discounted. The resilience of his immune system is discounted. The power of his spiritual beliefs is discounted. His ability to overcome obstacles is discounted. And of course, his natural right to make decisions about his own health is discounted.

Instead, he is viewed as a mechanical unit reacting to germs, with a high potential for failure. This is pure insanity. This is where all the purported sophistication of basic medical science winds up: in a dead end. LIFE itself was eliminated from the equations and formulas. Whose fault is that? Not yours. Not mine.

It turns out that, for many people, their belief in the power of the virus, and their belief in the officials who are spouting gobbledygook about it, outweigh their belief in whatever spiritual ultimates they profess.

Their own deepest beliefs are not strong enough.

Their religion is television.

Which is where the mass illusion is projected.

Epidemics are staged on television.

Images begin to flow:

An emergency medical vehicle on a street. EMT personnel, in hazmat suits, load a man strapped down to a stretcher, into the van. On another street, a man collapses on the sidewalk. We see yet another quarantined man sitting inside a huge plastic bubble on a third street. Cut to an airport lobby. Soldiers are patrolling the space among the crowds. Cut to a lab. Close-up of vials of liquid. Camera pulls back. Techs in light green scrubs are placing the vials into slots of a table-top machine. Auditorium—a man on a platform, wearing a doctor's white coat, is pointing a wand at a large screen, on which a chart is displayed, for the audience. Back to the street. People are wearing face masks.

These images wash over the television viewer. Meanwhile, the anchor is imparting his prepared meaning: "The government today issued a ban on all travel into and out of the city...hundreds of plane flights have been cancelled. Scientists are rushing to develop a vaccine..."

The television audience has an IMPRESSION of knowing something. They're in the flow, the flow of the news...they're in the images...

Or: Example: we see angry crowds on the street of a foreign city. Many shots of young people on their cell phones sitting in outdoor cafés. Then the marble lobby of a government building where men in suits are walking, standing in groups talking to each other. Then at night, rockets exploding in the sky. Then armored vehicles moving through a gate into the city. Then clouds of smoke on another street and people running, chased by police.

A flow of consecutive images. The sequence, obviously, has been assembled by a news editor, but the viewing audience isn't aware of that. They're watching the "interconnected" images and

listening to a news anchor tell a story that colors (infects) every image: "This is revolution for democracy, created by the technology of cell phones..."

Viewers thus believe something. Television has imparted a sensation to them.

In his 1976 film masterpiece, *Network*, Paddy Chayefsky's unhinged newsman, Howard Beale, broadcasts this message to his audience on national television—

*"So, you listen to me. Listen to me! Television is not the truth. Television's a god-damned amusement park. Television is a circus, a carnival, a traveling troupe of acrobats, storytellers, dancers, singers, jugglers, sideshow freaks, lion tamers, and football players. We're in the boredom-killing business... We deal in illusions, man. None of it is true! But you people sit there day after day, night after night, all ages, colors, creeds. We're all you know. You're beginning to believe the illusions we're spinning here. You're beginning to think that the tube is reality and that your own lives are unreal. You do whatever the tube tells you. You dress like the tube, you eat like the tube, you raise your children like the tube. You even think like the tube. This is mass madness. You maniacs. In God's name, you people are the real thing. We are the illusion."*

Television, in the main, does not attempt to impart knowledge. It strives to give the viewer the impression that he knows something. There is a difference.

Knowledge, once established, is independent of the viewer. Whereas the impression of knowing is a feeling, a conviction, a belief the viewer holds, after he has watched moving images on a screen.

THIS is what the addicted viewer prefers. He wants no part of knowledge.

Therefore: a short circuit occurs in his mind.

When you export this pattern out to a whole society, you are talking about a dominant method through which fake knowledge is groped and held close.

"Did you see that fantastic video about the Iraq War? It showed that Saddam actually had bioweapons."

"Really? How did they show that?"

"Well, I don't remember. But watch it. You'll see."

And that's another feature of the modern acquisition of "knowledge": amnesia about details.

The viewer can't recall key features of what he saw. Or if he can, he can't describe them, because he was inside them, busy building up his impression of knowing something.

Narrative-visual-television story strips out and discards conceptual analysis.

When a technology (television) turns into a method of perception, reality is turned inside out. People watch TV through TV eyes.

Mind control is no longer something only imposed from the outside. It is a matrix of a self-feeding, self-demanding loop.

Willing Devotees of the Image WANT images, food stamps of the programmed society.

The false pandemic I've been rejecting, in many articles, is delivered through video flow and narration. Stacked and cut images.

There is no television challenge to the television flow, through the intrusion of actual knowledge, because that would shut down the parade of images and nullify the reasons for broadcasting them in the first place.

The old theater adage, "the show must go on," when adapted for television, becomes, "the flow must go on." Once its course is set, there can be no turning back.

But individuals can shred the flow.

And groups of protestors can shred the flow.

And freedom breaks out.

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### CONSPIRACY

#### 21.4.20 – U.S. Surgeon General drops outdated WHO, CDC, Gates pandemic model:

[https://www.wakingtimes.com/2020/04/21/u-s-surgeon-general-drops-outdated-who-cdc-gates-pandemic-model/?utm\\_source=Waking+Times+Newsletter&utm\\_medium=email&utm\\_campaign=3aa16e3d0b-RSS\\_EMAIL\\_CAMPAIGN&utm\\_term=0\\_25f1e048c1-3aa16e3d0b-54797653](https://www.wakingtimes.com/2020/04/21/u-s-surgeon-general-drops-outdated-who-cdc-gates-pandemic-model/?utm_source=Waking+Times+Newsletter&utm_medium=email&utm_campaign=3aa16e3d0b-RSS_EMAIL_CAMPAIGN&utm_term=0_25f1e048c1-3aa16e3d0b-54797653)

The United States Surgeon General Jerome Adams recently announced on live radio that the Coronavirus Task Force will be dropping old pandemic models from the Center for Disease Control (CDC) and World Health Organization (WHO) in favor of real-time statistics.

*“What the American people need to know now is we actually have data, and so we’re tracking that data.” – Jerome Adams*



As a result of this shift, some businesses are [set to re-open](#) in May, while others will have to wait until as late as June. This signals a departure from the Gates Fauci plan of keeping the nation under lockdown as long as possible. Older models have predicted as many as a million deaths, which later were reduced to about 100,000-240,000, then again to 93,531, 81,766, and finally to the current number of 60,145 [by August](#). That’s less than the number of people who [died](#) of the flu during the particularly bad season of 2017-2018.

Using these unreliable models, Dr. Fauci and Bill Gates have been threatening shutdowns of businesses for anywhere from six months to a year and until they can get the public inoculated with a new, minimally tested vaccine. Some experts have [called this](#) a “grossly disproportionate response”.

*“We’re following this data every single day, and we’re giving that data to communities so that they can make informed and intelligent decisions about when and where to reopen,” Adams said.*

Even a lift on federal bans would not allow every business to re-open as many states have added another layer of control over their respective economies.

*“I feel confident that some places will start to reopen in May and June. Other places won’t; it will be piece by piece, bit by bit, but will be data-driven.”*

There has been a lot of talk recently about not letting the “cure” be worse than the disease. Closing down businesses has drastically affected the economy and as a result, quarantine is [driving many to drugs](#), domestic violence, and suicide.

*“But when it comes to suicide, all factors are pushing in the same direction now. Lack of income, lack of job security, isolation, reduced access to mental health services will all increase suicide risk. I’m confident of that,”* said Richard Dunn, an associate professor of economics at the University of Connecticut.

In a tragic event, one teenage woman from the United Kingdom [committed suicide](#) in March after warning her family that *“more people will die from suicide during this than the virus itself.”*

*“Lockdown mandates...are sending the economy into a tailspin and wreaking havoc with our liberties,”* [says](#) constitutional scholar John W. Whitehead, as many are wondering whether the government should retain the right to shut down private businesses and force healthy people into quarantine at all.

Now that the Trump Administration is using real-time data instead of predictive models, they suspect that the coronavirus pandemic will be much less destructive than they had ever thought before, while the economy is set to re-open in record time.

In the following video, Dr. Rashid A. Buttar discusses this in more detail: [https://www.youtube.com/watch?v=qNK9zesHQIs&feature=emb\\_logo](https://www.youtube.com/watch?v=qNK9zesHQIs&feature=emb_logo)

**19.4.20 – WHO Director Has Strong Ties to Bill Gates, Clinton Foundation, Dr. Fauci, China and Genocide:** <https://stillnessinthestorm.com/2020/04/w-h-o-director-has-strong-ties-to-bill-gates-clinton-foundation-dr-fauci-china-and-genocide/>

[A long article – ends on page 32.]

(Alexander Light) **Tedros Adhanom Ghebreyesus: is the WHO led by a terrorist?**

In a just a few weeks time, the fate of the entire planet seems to have been placed under the command of the World Health Organization and its leader, Tedros Gherbreyesus.

But over the last few days his handling of the coronavirus crisis and his relationships with China have put the chairman of the organization under heavy fire, with many calling for his resignation.[1] So who is this man who supposedly has our destiny in his hands?

### **Very Distinguished**

During one of the many Covid-19 press conferences at the White House, Dr. Fauci showed all his appreciation for Tedros Ghebreyesus, the new hero:

“Tedros is really an outstanding person. I’ve known him from the time that he was the minister of Health in Ethiopia. The WHO has done very well under his leadership.”[2]

But after what seemed to have been many ‘blunders’ in the announcements and recommendations of the WHO since the pandemic started, many now see him walking the walk of shame, rather than the walk of fame.

Born on March 3rd, 1965 in Asmara (Ethiopia), Tedros Adhanom Ghebreyesus was elected Director-General of the WHO in 2017.

He is the first African to head the health agency and the first not to be a doctor. He holds a B.Sc. in Biology from the University of Asmara in Eritrea and a PhD in Community Health from the University of Nottingham in the United Kingdom in 2000 and served as Ethiopia’s Health Minister from 2005 to 2012.

From 2009 to 2011, Tedros Ghebreyesus was also the Director of the Global Fund, a program to fight AIDS, tuberculosis and malaria, initiated by the Bill & Melinda Gates Foundation, as well as the head of the UNAIDS Program Coordinating Board.

A member of the Board of the GAVI Alliance for Immunization, Tedros Ghebreyesus was further closely associated with the Clinton Foundation and the Clinton AIDS Initiative (CHAI). Smiling and poised, he is portrayed as a humble, compassionate figure, a benefactor to humanity, dedicated to his heavy responsibilities.

WHO director Tedros with NIAID director Dr. Anthony Fauci in 2018 signing a memorandum of understanding between NIAID and WHO to enhance future collaborations on research activities conducted in response to emerging infectious disease outbreaks and public health emergencies. Image Source.

### **The Tigray People’s Liberation Front (TPLF)**

It is therefore rather astonishing to discover that Ghebreyesus’ political career began at the politburo of the Tigray People’s Liberation Front (TPFL), a terrorist organization of the Tigray minority ethnic group (6% of the Ethiopian population), listed in the U.S. Homeland Security Global Terrorism Database for a series of kidnappings, bombings and armed robberies.[3]

The United States has classified the TPFL as a Tier III terrorist organization.[4]

### **Global Terrorism Database**

Global Terrorism Database – Partial screenshot of TPFL data

In its 1975 manifesto, the TPFL had declared an “eternal war” on neighboring populations, mainly the Amhara and Oromo ethnic groups, representing 30% and 34% of the population.

After several years of guerrilla warfare, the TPFL overthrew the Mengistu regime with the help of another Eritrean liberation movement, and took power in 1991 as a branch of a single Marxist-inspired party, the Ethiopian People’s Democratic Revolutionary Front (EPDRF), which is only democratic in name.

### **Human Rights Organizations Repeated Alarms**

Amnesty International denounced its political violence for decades.[5]

A report published in an international law journal[6] claimed that in spite of efforts to disguise its dictatorship, the TPFL was actually “abusing the notions of self-determination and democracy to plunder Ethiopia.”

This was also the alarm raised by a document of the Oakland Institute which estimated that the \$3.5 billion aid funds received by Ethiopia, (60% of the national budget), were mainly used for political repression.[7]

This was again confirmed by Human Rights Watch (HWR), who accused the European Parliament in 2016 of overlooking the numerous violations committed by the Ethiopian regime it was funding.[8]

HWR claimed that under the leadership of the EPDRF, the government had diverted funds from international aid programs, using them as political weapons to control the population, punish dissent and repress its opponents.

Programs for food aid, agriculture, micro-credit or healthcare exclusively benefited certain ethnic groups, while others had been systematically deprived of them.

### **Genocide Accusations**

Perhaps one could give Tedros Ghebreyesus the benefit of the doubt, imagining him as a noble reformer who, having strayed at the beginning, would have turned into a devoted humanitarian bringing his light into the darkness of a bad regime.

That illusion quickly fades away when one discovers the damning dossier presented by the Amhara Professional Union (APU), accusing him of having carried out a real genocidal policy as Ethiopia's Minister of Health.[9]

Indeed, the Amhara ethnic group lost more than 2.5 million people between the 1997 and 2007 censuses. While the other major ethnic groups grew by a yearly average of 2.6%, the Amharas had a slower population increase, with only 1.9%.

They did not benefit from the same health services and were not allocated equal resources as the dominating Tigray population, except for one program, a contraceptive campaign for which the Amhara appeared to have been on top of the list. The Tigray population had 5 times better health coverage in terms of infrastructure and number of healthcare providers.

In contrast, the Amhara population had a much higher use of injectable contraceptives, such as Depo-Provera (19% Tigray, 29% Amhara) while overall receiving less information about family planning and contraceptive methods (Tigray received 2 to 3 times more information on TV, Radio and Print).

Depo-Provera is a highly controversial product that received a black box warning[10, 11] in the U.S. for an increased incidence of osteoporosis and higher risk of breast cancer.

But it has also been associated with a rise in AIDS cases and difficulties to regain fertility after prolonged use, two conditions that also seemed prevailing among the Amhara population. The APU accused the Ethiopian government of racial discrimination by pushing the use of Depo onto their woman without their informed consent.[12]

According to another report "Depo-Provera Deadly Reproductive Violence Against Woman,"[13] family planning promoting this drug in Africa engages in de facto discrimination policies, making false claims about the product's effects and failing to inform women about its harms and side-effects.

Such products have been restricted or even banned in Europe and the U.S., but they are still included in family planning of the WHO, and programs such as FP2020, supported and led by the Bill and Melinda Gates Foundation.

This led to heavy criticism[14] from health groups and human rights advocates.

Perhaps the Trump administration also took some of these arguments into account when it announced it would stop financing the U.N. Population Fund and policies that perform or provide information on abortion.

Bill Gates said he was 'deeply troubled' by the announced U.S. cuts, but at the international summit on family planning that was held in London later in 2017, the U.K., the IMF, World Bank and international NGO's committed to a new funding for a total of \$2,5 billion.

Tedros Ghebreyesus, who attended the meeting as the new leader of the WHO, promised to "personally champion the issue of sexual and reproductive rights as a top priority,"[15] hereby reaffirming his personal interest and involvement in birth control policies... and their dubious consequences.

### **Anything But Cholera**

But Tedros Ghebreyesus is also known for covering up of several cholera outbreaks in Ethiopia (2006, 2009, 2011), by relabeling them "Acute Watery Diarrhea" (AWD).[16]

The report of a WHO field expert on the 2006 outbreak, however, certified that *Vibrio cholerae* had indeed been identified as the causal agent.[17]

Tedros preferred not to damage the image of his party and his country. By refusing to declare the outbreak, he deprived these populations of the basic help they needed, such as re-hydration measures and sanitation of water.

The same scenario was repeated in 2009 and 2011, even under his WHO leadership, when he ignored a massive outbreak in Sudan, Ethiopia's conflicting neighbor, according to an open letter signed by a team of U.S. doctors and Genocide Watch.[18]

### **Chairman Of The Global Fund, Making Money**

The Global Fund is a partnership led by the Bill and Melinda Gates Foundation to fight AIDS, Tuberculosis and Malaria. In July 2009, Tedros was elected Board Chair of the Fund for a two-year term.

In a profile published in April 2010, *The Lancet* reported that he was “a household name at the Global Fund Secretariat” and that his achievements led to name Ethiopia as an exemplary high-performing country.

A surprising conclusion, when one finds out that during his leadership, the use of international aid funds he supervised was very questionable.

In 2012, an audit[19] of the Global Fund looked at the expenses of the aids, tuberculosis and malaria program in several African countries, including Ethiopia who had received \$1.3 billion in grants.

Inspector General John Parson who was in charge of the audit, revealed a flagrant lack of transparency, numerous shortcomings in the accounting and management of the funds, to the point of suggesting a minimum payback of \$7 millions to the organization.

Above all, the investigation also showed a huge discrepancy between the results presented and the reality observed in Ethiopia during the field visits.

For example, 77% of the medical centers built did not have drinking water and 32% did not have sanitary facilities. Only 14% had a microscope or a delivery table, and only 12% had a pharmacy.

The report should have led to a series of measures ensuring more transparency and efficacy in the management of the program, but instead the Inspector General and his findings were dismissed.

Obviously, good relationships with African governments leaders had a far greater importance.

### **Bloody Minister Of Foreign Affairs**

Then in 2012, at the end of his term in the Health Department, Tedros Ghebreyesus was appointed head of Foreign Affairs (from 2012 to 2016), a further confirmation that he had always remained at the heart of the Party's decisions, and was still serving its goals with dubious methods. For example, in 2013, when Saudi Arabia chose to send back immigrants from different nations, the only country that took no steps to repatriate its nationals was Ethiopia.

This inaction, for which he was responsible, led to violence against Ethiopians by the Saudis.[20]

In 2014, Tedros, the former TPLF terrorist, also organized the kidnapping, extradition and condemnation of several dissident leaders and hundreds of asylum seekers in Yemen, with the complicity of the Yemeni government.[21]

### **WHO Election Backed By Gates And China**

Tedros Xi

One wonders how such a man could have become Director General of the WHO. No doubt the work carried out by the American communication agency Mercury Public Affairs (specializing in political campaigns) in preparing the presentation of his candidacy was effective, both in terms of watering down his sulphurous image and in pushing him as ‘the voice of developing countries.’

However, some representatives of the WHO member states did not buy it.

When the candidates were interviewed before the votes, the Brazilian Ambassador asked Tedros how he intended to “represent the voice of developing countries by proposing a program that was much more aligned with the priorities of the countries of the North,” hereby referring to his approach of health through security (pandemic preparedness), and to treating ‘equality’ in terms of “coverage” (vaccines), rather than in the development of universal health systems (for example medical infrastructure and training or access to water).

He also remarked that Tedros had not proposed anything concrete in terms of sustainable development for vulnerable countries.[22]

In fact, this “northern agenda” was very much aligned with the priorities of the Global Health Security Agenda, promoted by WHO's four main funders and influencers: the Bill and Melinda Gates Foundation (14%), the United States (24%), the U.K. (11%) and GAVI, the Global Alliance for Vaccines and Immunization which was again mainly funded by Gates (17%), the U.S. (11%) and the U.K. (31%).

Very serious question: Who the hell is Bill Gates anyway? I don't remember voting for him, do you?

### **Politico Bill Gates**

Clearly, the influence Bill Gates exerts on the WHO cannot be understated, as we are reminded by an article in the mainstream journal Politico published a few weeks before the vote “Meet the World's Most Powerful Doctor: Bill Gates”[23] stating

“Some billionaires are satisfied with buying themselves an island. Bill Gates got a UN agency in Geneva.”

Insiders said he is treated like a head of state, not only at the WHO, but also at the G20 summit, and has an outsized influence over the agenda of the organization.

While the World Health Assembly was in session, the Trump administration unveiled its proposed budget which would cut the annual global health budget by 26%, defunding health programs favored by Gates and the Obama administration, such as HIV/malaria/tuberculosis of the Global Fund and family planning.

Needless to say, Tedros was Bill Gates’ favorite candidate, given their strong ties in the Global Fund and Family Planning policies.

But Tedros’ election at the WHO in May 2017, was also backed by China. As part of the Ethiopian government, he already had built a long-time collaboration with Beijing.

To start with, the TPLF is a Marxist-inspired movement that engages in the same kind of authoritarian politics.

But also, China has made huge investments in Ethiopia. The Chinese have developed nearly 70% of the Ethiopian infrastructure and are financing the construction of the headquarters of the future African Centre for Disease Prevention and Control.

For its part, Ethiopia occupies a strategic position, as it is the gateway to the African continent, when coming from the East.

No wonder that in March 2017, two months ahead of the WHO election, Ghebreyesus was invited to deliver a keynote speech at the Beijing University.

Interestingly Bill Gates took part in same event, with a talk on “Looking to the Future: Innovation, Philanthropy and Global Leadership”[24] in which he summarized his partnerships with the Chinese government in four essential areas: health, agriculture, computer technologies and even nuclear energy. Here are a few eye-opening quotes, showing that Gates clearly invests in China as the world new leader:

“China is primed to step up as a global leader.

It’s great to see China stepping up to fill the leadership vacuum. It is uniquely well-equipped to do so. No other country has accomplished what China has achieved in the last few decades (...) at a scale and speed unprecedented in human history.

And by encouraging investment through innovative financing mechanisms like the China-Africa Development Fund, China is strengthening not only Africa’s economic capacity, but also, over time, markets for Chinese goods.

China has a great opportunity to be a global leader in health innovation. With its rich pool of talented scientists and its capacity to develop new drugs and vaccines, China was a clear choice for us to locate a new Global Health Drug Discovery Institute.

This institute — a collaboration between our foundation, the Beijing Municipal Government, and Tsinghua University — will help speed the discovery and development of new lifesaving medicines. A lot of the most successful entrepreneurs, like Jack Ma, Pony Ma, Charles Chen Yidan and Niu Gensheng, have helped create the world’s second largest pool of individual wealth. And now they’re taking steps to get involved and give back...”

But Gates is obviously not the only ally of China. Its ties with a large part of the western globalist elite deserves a closer investigation.

Looking at the board members[25] of the Tsinghua University School of Economics and Management, hosted by Wang Qishan the vice-president of the Republic of China, we find individuals such as Henry Paulson, CEO of Goldman Sachs, Jamie Dimon of JP Morgan Chase, Corbat from Citigroup, Mark Zuckerberg, Elon Musk, Tim Cook, Laurence Fink, and the CEOs of Dell, McKinsey, IBM, Walmart, General Motors, BlackRock, Tata and many others.

What are they really doing on the board of a Chinese University? Doesn’t it rather look like a global strategic board?

### **The Role Of Tedros In The Coronavirus Pandemic**

These connections do explain why the WHO management of the Covid-19 crisis has largely been influenced by Beijing and why Tedros openly praised the Chinese government after his meeting with Xi Jinping.

“We appreciate the seriousness of China’s response to this epidemic, especially the strength of its leadership[26] and the transparency they demonstrated.”[27]

or

"China exemplifies new standards in epidemic preparedness and response."[28]

He further called the draconian quarantine measures taken by the Beijing government "heroic,"[29] while paradoxically insisting on keeping air traffic with China open.

On Feb. 3, Tedros rebuked the U.S. and other countries that had closed off their borders when it became clear that the communist nation wasn't containing the virus' spread.

"There is no reason for measures that unnecessarily interfere with international travel and trade. We call on all countries to implement decisions that are evidence-based and consistent," he said.

Although most airlines quickly suspended their flights, Ethiopian Airlines is one of the few that maintained connections with China throughout the crisis.[30]

The Forum on China-Africa Cooperation reported a phone call[31] between Ethiopia's Prime Minister Abiy Ahmed Ali and Xi Jinping confirming once again the close ties between the two countries.

"This phone call as well as the two letters of sympathies from the Prime Minister attest to the profound friendship and mutual support between China and Ethiopia as comprehensive strategic cooperative partners. Ethiopia has followed WHO recommendations and kept its normal ties and exchanges with China. China appreciates such expression of confidence."

Control over Africa's health and economy is obviously an important stake in the management of the coronavirus epidemic. Just a few days ago, the Trump administration warned over Chinese spying in the future African Center for Disease Control facility, saying it would stop funding if Beijing goes on with building its headquarter in Ethiopia.

The Financial Times[32] quoted an official of the U.S. administration,

"It's a threat to Africa. Africa has vast amounts of genomic data and the Chinese want to build the CDC to eventually steal the data from all the other centres," referring to five regional Africa CDC hubs, "they handle high-risk viruses, health crises, research and data collection."

Washington said the U.S. had invested \$900m to support health in Africa over the last 15 years, and had given the African CDC \$14m in its first year of operation, in 2017.

But the Chinese already went ahead and put \$200m in the construction of the 'bugged' African Union's Conference Center which currently houses the African CDC secretariat. It seems China and the U.S. had found a cooperation agreement on the issue under the Obama administration, but it could not last for long under the Trump presidency.

### **We Could Also Wonder What Role The WHO And China Are Really Playing In The Italian Crisis**

At the beginning of the epidemic, Ghebreyesus called on the Italians "not to stigmatize the Chinese" by insisting that the time was "not for judgment, but for solidarity."

The valuable recommendations of the WHO director thus barred the Italian government from confining people returning from China.

Worse still, the Mayor of the city of Florence, which has an important number of Chinese immigrants, was encouraged to launch a national campaign inviting his fellow citizens to "hug a Chinese in the street!"[33]

But such a complacency towards China is also due to the fact that last year the Salvini government was the first G7 country to sign an economic partnership with China in the Belt and Road project, that would give them direct access to the Mediterranean.

Now that Salvini's party left the government last fall, the outbreak of the coronavirus crisis probably urged the new majority to reassess its ties with Beijing.

Italy then suddenly became the first Western government to stop its flights from China. But the country might pay the price of its infidelity as it currently stands very isolated.

European partners refused to come to the rescue and China is trying to maintain its hold by sending medical help and experts to solve the crisis, planning to help reconstruction after the country collapses.

In the meantime, the WHO which has its European headquarters in Venice, one of the main affected areas, has delegated one of its main experts to take control of the pandemic response.

But the number of death cases in Italy is still soaring and is by far exceeding other countries, while no convincing scientific explanation has been offered, even if factors such as an older population and a lack of intensive care units have aggravated the situation and if case reporting is biased.

Last month, Russia sent out a whole team of experts and military doctors to help northern Italy deal with the crisis, but the team will certainly put their efforts into investigating what is truly going on.

In any case, it is now obvious that the WHO and its leaders have a pandemic response agenda that has more to do with global government and world leadership than health.

Bill Gates seems to be leading the initiative with the CEPI fund to hasten the production of vaccines.

He is pushing his global governance agenda with his army of devoted health experts, such as the members of the Coronavirus Response Task Force, Fauci and Birx, who are long-time close partners of the Global Fund AIDS campaign.

And with their Beijing ties, it is no wonder that Fauci refused to answer the press who asked his opinion on Tedros praising China.[34]

The chairman of the World Health Organization is serving Africa on a silver plate to the new leaders of a corporate – communist inspired – global government.

Book Hidden Fortunes: Drug Money/The Cartels and the Elite World Banks

Tedros, you are unmasked.

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[12] Note: in India, an NGO for women's rights also warned against malthusian malpractice with Depo campaigns, saying that in low income area's "widespread illiteracy was making informed consent a farce", while also fiercely questioning the use of money offered as an incentive to take the contraceptive.

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**21.4.20 - UK - Traffic light system to get out of lockdown:** Schools, hairdressers and clothes shops could reopen from May 11 while **over 70s face a 'red' signal for a YEAR** - as ministers push Boris Johnson to let the NHS 'run hot' by using spare capacity to speed up exit - <https://www.msn.com/en-gb/news/coronavirus/traffic-light-system-to-get-out-of-lockdown-schools-hairdressers-and-clothes-shops-could-reopen-from-may-11-while-over-70s-face-a-red-signal-for-a-year-as-ministers-push-boris-johnson-to-let-the-nhs-run-hot-by-using-spare-capacity-to-speed-up-exit/ar-BB12Rus5?ocid=se>

"And over-70s face a 'red light' for many months more, **potentially having to wait for a vaccine** before going back to normal life."

Ed. So what's the objective? To kill off memory? Save money on pensions? Expropriate assets?

**[This is long: from page 32 to page 46] FROM A CORRESPONDENT: Gates' patent for RF currency / RFID**

**COMMENT FROM CORRESPONDENT**

[Ed. I'm throwing this in as more food for thought. It was a project funded by DARPA: 18.3.19 - New evidence for a human magnetic sense that lets your brain detect the Earth's magnetic field: [https://theconversation.com/new-evidence-for-a-human-magnetic-sense-that-lets-your-brain-detect-the-earths-magnetic-field-113536?fbclid=IwAR0kWGkvwrdfn4mesvPdggZxR5SoUAW\\_Nf594pKtzArrL68J\\_0a7Cqamwlo](https://theconversation.com/new-evidence-for-a-human-magnetic-sense-that-lets-your-brain-detect-the-earths-magnetic-field-113536?fbclid=IwAR0kWGkvwrdfn4mesvPdggZxR5SoUAW_Nf594pKtzArrL68J_0a7Cqamwlo)]

The development of the ID2020 // "Digital Immunity" // Bank verification system <https://thewatchtowers.org/microsoft-owns-international-patent-060606-a-cryptocurrency-system-using-humans-who-have-been-chipped-as-the-miners/>

**patent**

<https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2020060606&tab=PCTBIBLIO>

It's likely farther along than they say, but the massive duplication/production, ironing out the bugs. I really don't think that system is 'ready to rollout' but who knows it might be. I still think the implant RFID is what they originally wanted, [http://emrabc.ca/?page\\_id=5228](http://emrabc.ca/?page_id=5228), to be pushed after the vaccines and any other BIG events they have in mind. Many believe its NANO version is in the vaccine, I'm questioning that - why would they invest in NANO Chips for subjects that would not survive? Thus the original plan they had back in 2000, chip a smaller amount, the ones that are alive, fingerprint and eye scan plus RFID would be more than enough ID one would think, but according to 6G and 7G talks on Youtube, *connecting with the MIND is their ultimate goal* and this new patent seems to do just that. It does deal with images from the Mind. Could this be "image of the beast"? Who knows?

**Human brain mapping and brain decoding**

<https://www.youtube.com/watch?v=Ecqv-EvOj8M>

<https://www.youtube.com/watch?v=6FsH7RK1S2E>

<https://news.berkeley.edu/2011/09/22/brain-movies/>

**21.4.20 – Gates wants a "DIGITAL IMMUNITY PROOF"**

<https://www.youtube.com/watch?v=yikPbbAKPII>

and he also wants a Crypto Currency System, that YOUR BODY decodes

**DIGITAL TATTOO**

<https://www.sciencealert.com/an-invisible-quantum-dot-tattoo-is-being-suggested-to-id-vaccinated-kids>

or / and

**VISUAL SENSOR OF BRAIN ACTIVITY** ( VOXELS OF THE BRAIN )

( somehow incorporated into a 5G CELL PHONE )

<https://www.youtube.com/watch?v=Ecqv-EvOj8M>

or / and

**Converting human body activity into an Encryption Output, ( 0087)**

**IMAGE OF THE BEAST (SYSTEM)?**

to communicate with wireless networks, ( see patent diagrams )

and in turn allow you to use **CRYPTOCURRENCY**

**"block chain / currency", mentioned earlier in April 20 Newsletter :**

**8.4.20 – PEPE ESCOBAR: Who Profits from the Pandemic? -**

*Pepe Escobar looks at a frightening future that might follow the already terrifying Covid-19 global outbreak:*

<https://consortiumnews.com/2020/04/08/pepe-escobar-who-profits-from-the-pandemic/>

Then comes the last sentence which was **erased** from the official TED video. This was noted by Rosemary Frei, who has a master on molecular biology and is an independent investigative journalist in Canada. Gates says: **"So eventually there will be this digital immunity proof that will help facilitate the global reopening up."** This **"digital immunity proof"** is crucial to keep in mind, something that could be misused by the state for nefarious purposes.

DETAILS :

<https://thewatchtowers.org/microsoft-owns-international-patent-060606-a-cryptocurrency-system-using-humans-who-have-been-chipped-as-the-miners/>

<https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2020060606&tab=PCTBIBLIO>

**CRYPTOCURRENCY SYSTEM USING BODY ACTIVITY DATA**

PATENT # WO2020060606

Abstract

**(EN)**

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.

Also published as

**[US16138518](#)**

Description :

**CRYPTOCURRENCY SYSTEM USING BODY ACTIVITY DATA**

BACKGROUND

[0001] A **virtual currency** (also known as a **digital currency**) is a medium of exchange implemented through the Internet generally, not tied to a specific government-backed "flat" (printed) currency such as the U.S. dollar or the Euro, and typically designed to allow instantaneous transactions and borderless transfer of ownership. One example of virtual currency is cryptocurrency, wherein cryptography is used to secure transactions and to control the creation of new units.

[0002] Several cryptocurrencies exist. Among these, the most well known is a blockchain-based cryptocurrency. Most **blockchain-based cryptocurrency** is decentralized in the sense that it has no central point of control. However, blockchain-based cryptocurrency can also be implemented in a centralized system having a central point of control over the cryptocurrency. Bitcoin is one of the examples of blockchain-based cryptocurrency. It is described in a 2008 article by Satoshi Nakamoto, named "Bitcoin: A peer-to-Peer Electronic Cash System".

[0003] A blockchain is a data structure that stores a list of transactions and can be thought of as a distributed electronic ledger that records transactions between source identifier(s) and destination identifier(s). The transactions are bundled into blocks and every block (except for the first block) refers back to or is linked to a prior block in the blockchain. Computer resources (or nodes, etc.) maintain the blockchain and cryptographically validate each new block and the transactions contained in the corresponding block. This validation process includes computationally solving a difficult problem that is also easy to verify and is sometimes called a "proof-of-work". This process

is referred to as “mining”. The mining may be a random process with low probability so that a lot of trial and error is required to solve a computationally difficult problem. Accordingly, the mining may require enormous amounts of computational energy.

[0004] It is with respect to these and other general considerations that the following embodiments have been described. Also, although relatively specific problems have been discussed, it should be understood that the embodiments should not be limited to solving the specific problems identified in the background.

#### SUMMARY

[0005] Some exemplary embodiments of the present disclosure may use human body activity associated with a task provided to a user as a solution to “mining” challenges in cryptocurrency systems. For example, a brain wave or body heat emitted from the user when the user performs the task provided by an information or service provider, such as viewing advertisement or using certain internet services, can be used in the mining process. Instead of massive computation work required by some conventional cryptocurrency systems, data generated based on the body activity of the user can be a proof-of-work, and therefore, a user can solve the computationally difficult problem unconsciously. Accordingly, certain exemplary embodiments of the present disclosure may reduce computational energy for the mining process as well as make the mining process faster.

[0006] Systems, methods, and hardware aspects of computer readable storage media are provided herein for a cryptocurrency system using human body activity data. According to various embodiments of the present disclosure, 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. A cryptocurrency system communicatively coupled to the device of the user may verify whether or not 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.

[0007] Examples are implemented as a computer process, a computing system, or as an article of manufacture such as a device, computer program product, or computer readable medium. According to one aspect, the computer program product is a computer storage medium readable by a computer system and encoding a computer program comprising instructions for executing a computer process.

[0008] This summary is provided to introduce a selection of concepts in a simplified form that are further described below in the Detailed Description. This summary is not intended to identify key features or essential features of the claimed subject matter, nor is it intended to be used to limit the scope of the claimed subject matter.

#### BRIEF DESCRIPTION OF THE DRAWINGS

[0009] Various embodiments in accordance with the present disclosure will be described with reference to the drawings, in which:

[0010] FIG. 1 illustrates an example environment in which some exemplary embodiments of the present disclosure may be practiced;

[0011] FIG. 2 shows a system diagram of a decentralized cryptocurrency system according to an exemplary embodiment of the present disclosure;

[0012] FIG. 3 shows a flow diagram of a computer-implemented method according to an exemplary embodiment of the present disclosure;

[0013] FIG. 4 shows a flow diagram of an operation for generating body activity data according to an exemplary embodiment of the present disclosure;

[0014] FIG. 5 shows a flow diagram of an operation for verifying body activity data according to an exemplary embodiment of the present disclosure;

[0015] FIG. 6 illustrates a blockchain and two exemplary blocks of the blockchain according to an exemplary embodiment of the present disclosure;

[0016] FIG. 7 shows a flow diagram of a computer-implemented method using a vector or embedding according to another exemplary embodiment of the present disclosure; and [0017] FIG.

8 illustrates an exemplary block diagram of a computer or processing system in which processes involved in the system, method, and computer program product described herein may be implemented.

[0018] Corresponding numerals and symbols in the different figures generally refer to corresponding parts unless otherwise indicated. The figures are drawn to clearly illustrate the relevant aspects of the embodiments and are not necessarily drawn to scale.

#### DETAILED DESCRIPTION OF EMBODIMENTS

[0019] In the following detailed description, reference is made to the accompanying drawings which form a part hereof, and in which are shown by way of illustration specific embodiments in which the invention may be practiced. These embodiments are described in sufficient detail to enable those skilled in the art to practice the invention, and it is to be understood that other embodiments may be utilized and that structural, logical and electrical changes may be made without departing from the spirit and scope of the invention. The following detailed description is therefore not to be taken in a limiting sense, and the scope of the invention is defined only by the appended claims and equivalents thereof. Like numbers in the figures refer to like components, which should be apparent from the context of use.

[0020] The term “cryptocurrency” may mean a digital currency in which encryption techniques are used to regulate the generation of units of currency and verify the transfer of funds. Many cryptocurrencies include the use of a blockchain to provide security and prevent fraud as double spending. Some embodiments of the present disclosure may be used in alternate cryptocurrency mechanisms other than a blockchain. The system, method, and computer program products described herein may be applied to both centralized and decentralized cryptocurrency networks or databases.

[0021] FIG. 1 illustrates an example environment 100 in which some exemplary embodiments of the present disclosure may be practiced. The example environment 100 includes, but is not limited to, at least one of task server 110, communication network 120, user device 130, sensor 140, and cryptocurrency system 150.

[0022] Task server 110 may provide one or more tasks to user device 130 over communication network 120. For example, task server 110 may be at least one of a web server delivering or serving up web pages, an application server handling application operations between users and applications or databases, a cloud server, a database server, a file server, a service server, a game server implementing games or services for a game, and a media server delivering media such as streaming video or audio. The tasks provided by task server 110 will be discussed in more detail below.

[0023] Alternatively, cryptocurrency system 150 may provide one or more tasks to user device 130. For example, in a decentralized cryptocurrency network, the tasks may be proposed to user device 130 by miners (e.g. compute resources or nodes 210 of FIG. 2). In another example, in a centralized cryptocurrency system, a cryptocurrency server may send the tasks to user device 130.

[0024] Communication network 120 may include any wired or wireless connection, the internet, or any other form of communication. Although one network 120 is identified in FIG. 1, communication network 120 may include any number of different communication networks between any of the server, devices, resource and system shown in FIGS. 1 and 2 and/or other servers, devices, resources and systems described herein. Communication network 120 may enable communication between various computing resources or devices, servers, and systems. Various implementations of communication network 120 may employ different types of networks, for example, but not limited to, computer networks, telecommunications networks (e.g., cellular), mobile wireless data networks, and any combination of these and/or other networks.

[0025] User device 130 may include any device capable of processing and storing data/information and communicating over communication network 120. For example, user device 130 may include personal computers, servers, cell phones, tablets, laptops, smart devices (e.g. smart watches or smart televisions). An exemplary embodiment of user device 130 is illustrated in FIG. 6.

[0026] Sensor 140 may be configured to sense the body activity of user 145. As illustrated in FIG. 1, sensor 140 may be a separate component from user device 130 and be operably and/or communicatively connected to user device 130. Alternatively, sensor 140 may be included and integrated in user device 130. For example, user device 130 may be a wearable device having sensor 140 therein. The sensor 140 may transmit information/data to user device 130. Sensor 140 may include, for example, but not limited to, functional magnetic resonance imaging (fMRI) scanners or sensors, electroencephalography (EEG) sensors, near infrared spectroscopy (NIRS) sensors, heart rate monitors, thermal sensors, optical sensors, radio frequency (RF) sensors,

ultrasonic sensors, cameras, or any other sensor or scanner that can measure or sense body activity or scan human body. For instance, the fMRI may measure body activity by detecting changes associated with blood flow. The fMRI may use a magnetic field and radio waves to create detailed images of the body (e.g. blood flow in the brain to detect areas of activity). The material(  
<https://news.berkeley.edu/2011/09/22/brain-movies/> <https://www.youtube.com/watch?v=6FsH7RK1S2E> ) **shows one example of how the fMRI can measure brain activity associated with visual information and generate image data.**

[0027] Cryptocurrency system 150 may include one or more processors for processing commands and one or more memories storing information in one or more cryptocurrency data structures. In some embodiments, cryptocurrency system 150 may be a centralized cryptocurrency system or network, for example, but not limited to, a server which may be privately run by a third party entity or the same entity that is running the task server 110. In other embodiments, cryptocurrency system 150 may be a publically accessible network system (e.g., a distributed decentralized computing system).

[0028] For example, **cryptocurrency system 150 may be a decentralized network 200, such as a decentralized blockchain network**, including one or more compute resources 210, as shown, for example, in FIG. 2. In the embodiment of FIG. 2, there may be no central authority controlling cryptocurrency network 200. The data stored on **blockchain network 200**, i.e., the public ledger, may not be stored at a central location in its entirety. Blockchain network 200 may include a plurality of processors for processing commands and a plurality of memories storing information in one or more blockchain data structures. Blockchain network 200 may maintain one or more blockchains of continuously growing lists of data blocks, where each data block refers to previous blocks on its list. The requirement for each block to refer to all previous blocks in the blockchain, yields a chain of blocks that is hardened against tampering and revision, such that the information stored in the blockchain is immutable.

[0029] Compute resources 210 may include any device, computer, system or otherwise that has joined blockchain network 200 and forms a node in blockchain network 200. Compute resources 210 may include, for example, but not limited to, **personal computers, servers, cell phones, tablets, laptops, smart devices (e.g. smart watches or smart televisions), or any other device capable of storing information and communicating over communication network 120**. In some embodiments, compute resources 210 may be unaffiliated with or unknown to each other where, for example, compute resources 210 remain anonymous. Each compute resource 210 may include memory 220 that stores a copy of at least a portion of public ledger 230 of blockchain network 200. Compute resources 210 may also execute one or more programs to perform various functions associated with maintaining blockchain network 200 including, for example, updating public ledger 230, generating new blocks, or any other similar function.

[0030] For illustration purposes, FIG. 1 illustrates user device 130 as not included in blockchain network 200. However, user device 130 may be part of blockchain network 200 and be implemented as one of the compute resources 210 in FIG. 2.

[0031] Public ledger 230 may store any transactions performed over blockchain network 200 including but not limited to, for example, any transaction related to and **occurring on blockchain network 200**. Because each compute resource 210 stores a copy of at least a portion of the public ledger 230 of blockchain network 200, public ledger 230 may be independently verified for accuracy at any time by comparing the stored copies of multiple compute resources 210.

[0032] Communication between compute resources 210 may occur via communication network 120. Communication network 120 of FIG. 2 may be the same network as, or be a different network from, communication 120 of FIG. 1. In some embodiments, each compute resource 210 may communicate directly with each other compute resource 210. In some embodiments, some compute resources 210 may not be able to communicate directly with each other. For example, they are not connected to the same communications network 120. In this case, communications related to blockchain network 200 between the compute resources 210 may occur by using one or more of the remaining compute resources 210 as an intermediary. In some embodiments, one or more of compute resources 210 may not maintain a continuous connection to blockchain network 200 at all times. For example, a compute resource 210 may only be connected to blockchain network 200 during a certain period of time each day or may only be connected to blockchain network 200 intermittently throughout the day. Due to the decentralized nature of blockchain

network 200, such an intermittent connection by one or more compute resources 210 does not affect the **overall operation of blockchain network** 200 since copies of public ledger 230 are stored on multiple compute resources 210. Once the disconnected compute resource 210 reconnects to blockchain network 200, the disconnected compute resource 210 may receive updated copies of the public ledger 210 from one or more of the compute resources 210 that have been connected to blockchain network 200.

[0033] FIG. 3 shows a flow diagram of a computer-implemented method according to an exemplary embodiment of the present disclosure.

[0034] Method 300 begins at operation 310 illustrated in FIG. 3, where task server 110 provides one or more tasks to device 130 of user 145 over **communication network** 120. The tasks include, for example, but not limited to, watching or listening information (e.g. advertisement) for a certain time, using services (e.g. search engine, chat bot, e-mail, social media/networking service and any internet or web service), uploading or sending information/data to a website, a server or a network (e.g. content sharing website, and cloud network or server), or any other information or service which may produce effects on users. In the blockchain, the task(s) may be included as a transaction in the public ledger 230.

[0035] Furthermore, the task(s) provided by task server 110 can include solving a test for distinguishing human from machine input so that humans but not computers are able to pass it, such as, Computer Automated Program to Tell Computers and Humans Apart (CAPTCHA) and reCAPTCHA which is a CAPTCHA-like system designed to establish that a computer user is human. The task may require user 145 to solve a verification challenge, for example, but not limited to, an image based challenge including instructions prompting user 145 to solve the challenge through interaction with one or more images.

[0036] At operation 320, when or after user 145 performs the task(s) provided by task server 110, sensor 140 may sense the body activity of user 145 that is a body response related to the task provided by task server 110, and then transmit the sensed body activity of user 145 to user device 130. The body activity may include, for example, but not limited to, radiation emitted from human body, brain activities, body fluid flow (e.g. blood flow), organ activity or movement, body movement, and any other activities that can be sensed and represented by images, waves, signals, texts, numbers, degrees, or any other form of information or data. Examples of body radiation emitted from human body may include radiant heat of the body, pulse rate, or brain wave. Brain waves may comprise, for example, but not limited to, (i) gamma waves, involved in learning or memory tasks, (ii) beta waves, involved in logical thinking and/or conscious thought, (iii) alpha waves, which may be related to subconscious thoughts, (iv) theta waves, which may be related to thoughts involving deep and raw emotions, (v) delta waves, which may be involved in sleep or deep relaxation, or (vi)

**electroencephalogram** (EEG), which may be measurement used to evaluate the electrical activity in the brain, such as deep concentration. Examples of the body movement may include eye movement, facial movement or any other muscular movements. Furthermore, brain activity can be sensed using the fMRI. The fMRI measures brain activity by detecting changes associated with blood flow. This technique relies on the fact that cerebral blood flow and neuronal activation are coupled. When an area of the brain is in use, blood flow to that region also increases.

[0037] At operation 330, user device 130 **generates body activity data based on the body activity sensed by sensor** 140. Operation 330 may be part of a mining process which is a process for solving a computationally difficult problem. One exemplary embodiment of operation 330 is shown in FIG. 4. As shown in FIG. 4, operation 330 may comprise operations 410 and 420.

[0038] At operation 410, the body activity sensed by sensor 140 may be codified in symbolic forms, such as letter(s), numeral(s), symbol(s), and a string comprising sequence of characters. In one example, the body activity can be codified by extracting one or more values from the sensed body activity, such as minimum and/or maximum amplitude(s) or frequency(ies) of a body activity signal (e.g. brain waves). In another example, user device 130 may window and sample the sensed body activity over time and calculate the average of the sampled values. In still another example, user device 130 may generate raw data of the body activity. In still another example, user device 130 may filter a raw signal of the body activity using one or more filters to apply the filtered body activity signal to an audio hash function or algorithm at operation 420. Alternatively, any statistic value(s) associated with human body activity can be codified from the body activity sensed by sensor 140.

[0039] At operation 420, the codified body activity may be converted into an encrypted output by using an encryption algorithm, such as a hash algorithm or function. For example, hash functions include functions that map an initial input data set of an output data set. Generally, the hash function may be any function that can be used to map data of arbitrary size to data of fixed size. The hash function allows one to easily verify that some input data maps to a given hash value, but if the input data is unknown, it is deliberately difficult to reconstruct it (or any equivalent alternatives) by knowing the stored hash value. The hash algorithm or function may be included in the mining software or program of the cryptocurrency system or database.

[0040] For example, operation 420 may use audio hash function, where the histogram of frequencies of the codified body activity are summed up, or bit manipulation, such as XOR function of each histogram bucket with the next or a modulus of a prime number, is performed on the codified body activity.

[0041] In some embodiments, an **analog hash function** where the body activities themselves are hashes can be used. For example, waves or signals sensed by sensor 140, for example, but not limited to, alpha, beta, delta or gamma waves from the EEG sensor, may be transformed to a histogram using a transforming algorithm or formula, such as Fast Fourier Transform (FFT) or any other algorithm or formula that can convolve, add or multiply waves or signals to produce a histogram. The hash may be the histogram itself. For example, the hash may be the output of the FFT where each component is a frequency band and the value is counts corresponding to each frequency band. In another example, the desired properties may be that the first two frequency histograms are as close to zero as possible, for instance, provided some statistical guarantee exists that this cannot happen easily.

[0042] However, operation 420 is optional. In certain embodiments, user device 130, without encrypting or hashing the codified body activity, may transmit the codified body activity generated at operation 410 to cryptocurrency system 150.

[0043] Although FIG. 3 illustrates that operation 330, including operation 410 and 420, is processed by user device 130, at least one of operations 410 and 420 can be processed by another device(s), server, resource or system, such as task server 110, cryptocurrency system 150 or any other server. For example, the user device 130 may generate raw data of the sensed body activity, transmit it to cryptocurrency system 150, task server 110 or any other server, and then cryptocurrency system 150, task server 110 or any other server may codify or hash the raw data of the sensed body activity.

[0044] Referring back to FIG. 3, at operation 340, cryptocurrency system 150 verifies if the body activity data of user 145 generated by user device 130 satisfies one or more conditions set by an algorithm of cryptocurrency system 150. The conditions may be set by simulating human body activity across all of body activities that can constitute hashes. Machine learning algorithms may be used to simulate body activities and set the conditions for valid body activities, for example, but not limited to, using generative adversarial networks.

[0045] In some embodiments, cryptocurrency system 150 verifies whether the body activity data of user 145 (e.g. the code of the body activity generated at operation 410 or the hash of the body activity generated at operation 420) may represent that the body activity of user 145 is within a target range. The target range may be determined using the amount of cognitive effort that user 145 requires to perform the task provided by task server 110. For example, to verify if the hash of the body activity of user 145, cryptocurrency system 150 may determine, for example, but not limited to, (i) whether the hash of the body activity of user 145 has a specific certain pattern, repeated patterns, a mathematical properties or the number of leading numbers, characters or strings (e.g. leading zeroes) set by cryptocurrency system 150, or (ii) whether the hash of the body activity of user 145 is less than a current target value. Examples of the numerical patterns set by cryptocurrency system 150 may be a pattern that first certain digits of the hash form a prime number, or a pattern that a number that is calculated by applying first certain digits of the hash to a preset formula forms a prime number (For example, a number calculated by adding or subtracting a predetermined number or a number set by cryptocurrency system 150 to the first four digits of the hashing forms a prime number). The repeating number patterns may include a repeating number (e.g. leading zeros, ones in the middle of the hash, twos in the last four digits of the hash, and any repeating numbers included in the hash) and a repeating number sequence (e.g. leading repeating digit pairs, such as "121212", or triplets "123123"). If the hash of the body activity of user 145 has the desirable pattern(s) or is within the target range, then the proof of work or proof of

stake is considered solved, and that hash can be a new block. The target range or value may be changed periodically to maintain a preselected level of difficulty, although it is not required. For example, the target value may be inversely proportional to the difficulty. By varying the difficulty, a roughly constant rate of block generation may be kept.

[0046] The target range of valid body activity may be set using statistical data so that normal body activity, activity that can easily happen, or faking body activity cannot be validated. For example, the target range of valid body activity may be selected from a range that human miners cannot fake their own body activity to satisfy the target range to prove and validate the proof-of-work.

[0047] Additionally, the verification at operation 340 may include filtering out invalid tasks, malformed data (syntax errors) or data sent from an unauthorized user or generated by a machine learning system. For example, cryptocurrency system 150 may receive, from user device 130, data of the body activity generated before the hash algorithm is applied, rehash that data, and then compare the rehashed data with the hash received from user device 130 to check whether the body activity data is generated based on human, not random computer generated data. Voxel(s) of the image of the fMRI may be an example of the data of the body activity generated before the hash algorithm is applied.

[0048] One exemplary embodiment of operation 340 is shown in FIG. 5. At operation 510, cryptocurrency system 150 may check whether the hash of the body activity, received from user device 130, is within the target range set by cryptocurrency system 150, or comprises a desirable pattern set by cryptocurrency system 150. If the hash of the body activity is within the target range or has a desirable pattern set by cryptocurrency system 150, cryptocurrency system 150 rehashes data of the body activity, generated before the hash algorithm is applied and transmitted with the hash of the body activity from user device 130 (Operation 520), and then compare the rehashed data with the hash of the body activity, received from user device 130 (Operation 530). If the rehashed data is identical to the hash of the body activity, received from user device 130, cryptocurrency system 150 proceeds to operation 350. However, if determining in operation 510 that the hash of the body activity data is out of the target range or does not include the desirable pattern set by cryptocurrency system 150 or if determining in operation 530 that the rehashed data does not match the hash of the body activity, operation 310 or 320 may be proceeded.

[0049] At operation 350, when the body activity data transmitted from user device 130 satisfies one or more conditions set by cryptocurrency system 150, cryptocurrency system 150 awards cryptocurrency to user 145. For example, cryptocurrency system 150 awards to user 145 an amount of cryptocurrency corresponding to the task accomplished by user 145. Additionally, cryptocurrency system 150 may award cryptocurrency to an owner or operator of task server 110 as a reward for providing services, such as, search engines, chatbots, applications or websites, offering users access for free to paid contents (e.g. video and audio streaming or electric books), or sharing information or data with users.

[0050] For example, in the blockchain cryptocurrency system, at operation 340, at least one of compute resources 210 of FIG. 2 verifies if the hash of the body activity data of user 145 is valid. At operation 350, when the hash of the body activity data of user 145 is validated at operation 340, the compute resource 210 of FIG. 2 can add a new block to the blockchain. The new block may contain the number of cryptocurrency units assigned to the user's address. The new blockchain with the additional added block is broadcasted around the cryptocurrency network 150. The compute resource 210, which performed operations 340 and 350, may be also rewarded with transaction fees and/or cryptocurrency.

[0051] FIG. 5 depicts a blockchain 500 and two exemplary blocks 510, 520 of blockchain 500 according to exemplary embodiments of the present disclosure. Typically a "blockchain" is understood as being a data structure comprising a series of blocks, where each block includes data corresponding to one or more transactions, hashed together with linking data, such as the hash of an immediately preceding block. In the embodiment of the present disclosure, the transaction may be the task performed by user 145. The chain can then be used to create a ledger, which is typically an append-only database. Once data is entered into a block of the chain, the entry is essentially irrefutable, since any tampering with the data would be reflected in the chained hash calculations and is thus easily detected.

[0052] The blockchain 500 may represent the publicly distributable transactions ledger, such as ledger 230 of FIG. 2, and may include a plurality of blocks. Each block, such as block 510 and block 520 may include data regarding recent transactions. For example, the task performed by

user 145 and the number of cryptocurrency units awarded to user 145, and/or contents linking data that links one block 520 to a previous block 510, and proof-of-work data, for example, the validated hash of the body activity, that ensures that the state of the blockchain 500 is valid and is endorsed/verified by a majority of the record keeping system. Exemplary embodiments of block 520 of blockchain 500 may include a current hash, a previous hash of previous block 510, transaction. The previous hash is a hash from the immediately preceding block, which ensures that each block is immutably tied to previous block. The hash of previous block 510 may be included in block 520, thereby linking block 520 to previous block 510.

[0053] Transaction information cannot be modified without at least one of compute resources 210 noticing, thus, the blockchain 500 can be trusted to verify transactions occurring on blockchain 500.

[0054] In some embodiments, vectors or embeddings may be used for body activity data. FIG. 7 shows a flow diagram of an exemplary embodiment of a computer-implemented method using vectors (or embedding). As described in detail above with respect to FIG. 3, task server 110 or cryptocurrency system/network 150, such as a central cryptocurrency server or compute resource (or node) 210, may perform operation 310 where one or more tasks are proposed to user device 130 over communication network 120, and sensor 140 may perform operation 320 where sensor 140 senses or measures the body activity of user 145. Sensor 140 (or user device 130) may generate data of the body activity in the form of images, waves, signals, numbers, characters, strings or any other form that can represent the body activity.

[0055] At operation 710, user device 130 produces one or more vectors (or embeddings), such as an array of floating point numbers, from the data of the body activity generated by sensor 140 (or user device 130). An algorithm stored in user device 130, or any device, server, system or network communicatively connected to user device 130 over communication network 120, may transform the data of the body activity generated by sensor 140 (or user device 130) into one or more vectors. For example, the brain image generated by the fMRI scanner may be fed into a **computer vision machine learning algorithm**, for example, but limited to, a **convolution neural network**, and the machine learning algorithm may generate one or more vectors from **one or more voxels of the brain image**. In some embodiments, one single vector may be generated at operation 710. In other embodiments, a series of vectors may be produced by sampling over time when user 145 is performing the task(s). The data of the body activity (e.g. voxels of a brain image) and/or the vectors (or embeddings) may generate a "proof of work" and be transmitted to cryptocurrency system/network 150.

[0056] In addition, the vectors may optionally include one or more vectors related to the task(s), for example, but not limited to, search terms that user 145 used or identified s) of advertisement that user 145 viewed.

[0057] At operation 720, the vector(s) generated at operation 710 may be converted into an encrypted output by using an encryption algorithm, such as a hashing algorithm or function, as explained above with respect to operation 420 of FIG. 4. For example, the vector(s) can be hashed as bytes with the hashing algorithm, such as Secure Hash Algorithm (SHA)-1, SHA-256, SHA-384, SHA-512, and Message Digest (MD)-5.

[0058] However, operation 720 is optional. In some embodiments, user device 130 can transmit the vector(s) of the body activity produced at operation 710 to cryptocurrency system 150 without encrypting or hashing them.

[0059] At operation 730, cryptocurrency system 150 receives, from user device 130, the data of the body activity of user 145 (e.g. voxels of a brain image) and/or the vector(s) (or the hash) of the body activity of user 145.

[0060] At operation 740, cryptocurrency system 150 checks if the vector(s) received from user device 130 have one or more mathematical properties set by cryptocurrency system/network 150. For example, cryptocurrency system 150 may determine whether the vector(s) of the body activity have similarity (or relationship) with a legitimate vector (or a baseline vector) set by an algorithm of cryptocurrency system 150. The similarity may be measured or calculated using, for example, but not limited to, a cosine similarity, the Euclidean distance, the Manhattan distance, the Minkowski distance, and the Jaccard similarity. The legitimate vector may be set based on the assumption that the vectors of body activities of people who are performing the same task have a certain degree of similarity. Cryptocurrency system 150, such as a central cryptocurrency server/network or compute resource (or node) 210 of FIG. 2, can decide the legitimate vector and similarity. For

example, miners like compute resources (or nodes) 210 of FIG. 2 can share their proof of work including, for example, but not limited to, vectors of body activities, with cryptocurrency network 150, and decide the legitimate vector and similarity by calculating the average of the proof of work (e.g. a centroid or weighted average of the vectors and a standard deviation).

[0061] If the vector(s) received from user device 130 have the mathematical property(ies) set by cryptocurrency system/network 150, cryptocurrency system/network 150 rehashes the **data of the body activity**, transmitted from user device 130 (Operation 750), and then compares the rehashed output with the vectors (or the hash) received from user device 130 (Operation 760). For example, computer resource (or node) 210 of FIG. 2 may rehash the fMRI voxels, transmitted from user device 130, to a vector, and then compare the rehashed vector with the **vector received from user device 130 to check whether the body activity data is generated based on human, not random computer generated data**. If determining in operation 740 that the vector(s) received from user device 130 do not satisfy the mathematical property(ies) set by cryptocurrency system/network 150 or if determining in operation 760 that the rehashed output does not match the vector(s) (or the hash) received from user device 130, operation 310 or 320 may be proceeded.

[0062] If the rehashed output is identical to the vector(s) (or the hash) received from user device 130, cryptocurrency system/network 150 awards cryptocurrency to user 145 as described in detail above with respect to operation 350. For example, in the blockchain cryptocurrency system, a miner, such as one of compute resources (or nodes) 210 of FIG. 2, which performed the validation of the body activity data, may add a new block, which includes the data of the body activity, the vector(s) (or the hash) and/or the number of cryptocurrency units assigned to the user's address, to the blockchain, broadcast a new blockchain with the new block around cryptocurrency network 150, and may be rewarded with transaction fees and/or cryptocurrency.

[0063] FIG. 8 illustrates a schematic of an example computer or processing system that may implement any of the systems, methods, and computer program products, such as task server 110, user device 130, cryptocurrency system 150 and compute resources 210, described herein in one embodiment of the present disclosure. The computer system is only one example of a suitable processing system and is not intended to suggest any limitation as to the scope of use or functionality of embodiments of the methodology described herein. The processing system shown may be operational with numerous other general purpose or special purpose computing system environments or configurations. Examples of well-known computing systems, environments, and/or configurations that may be suitable for use with the processing system shown in FIG. 8 may include, but are not limited to, personal computer systems, server computer systems, thin clients, thick clients, handheld or laptop devices, multiprocessor systems, microprocessor-based systems, set top boxes, programmable consumer electronics, network PCs, minicomputer systems, mainframe computer systems, and distributed cloud computing environments that include any of the above systems or devices, and the like.

[0064] The computer system may be described in the general context of computer system executable instructions, such as program modules, being executed by a computer system. Generally, program modules may include routines, programs, objects, components, logic, data structures, and so on that perform particular tasks or implement particular abstract data types. The computer system may be practiced in distributed cloud computing environments where tasks are performed by remote processing devices that are linked through a communications network. In a distributed cloud computing environment, program modules may be located in both local and remote computer system storage media including memory storage devices.

[0065] The components of computer system 800 may include, but are not limited to, one or more processors or processing units 810, system memory 820, and bus 830 that couples various system components including system memory 820 to processor 810. Processor 810 may include software module 815 that performs the methods described herein. The module 815 may be programmed into the integrated circuits of processor 810, or loaded from memory 820, storage device 840, or network 850 or combinations thereof.

[0066] Bus 830 may represent one or more of any of several types of bus structures, including a memory bus or memory controller, a peripheral bus, an accelerated graphics port, and a processor or local bus using any of a variety of bus architectures. By way of example, and not limitation, such architectures include Industry Standard Architecture (ISA) bus, Micro Channel Architecture (MCA) bus, Enhanced ISA (EISA) bus, Video Electronics Standards Association (VESA) local bus, and Peripheral Component Interconnects (PCI) bus.

[0067] Computer system 800 may include a variety of computer system readable media. Such media may be any available media that is accessible by computer system, and it may include both volatile and non-volatile media, removable and non-removable media.

[0068] System memory 820 can include computer system readable media in the form of volatile memory, such as random access memory (RAM) and/or cache memory or others. Computer system 800 may further include other removable/non-removable volatile/non-volatile computer system storage media. By way of example only, storage device 840 can be provided for reading from and writing to a non-removable, non-volatile magnetic media (e.g., a "hard drive"). Although not shown, a magnetic disk drive for reading from and writing to a removable, non-volatile magnetic disk (e.g., a "floppy disk"), and an optical disk drive for reading from or writing to a removable, non-volatile optical disk such as a CD-ROM, DVD-ROM or other optical media can be provided. In such instances, each can be connected to bus 630 by one or more data media interfaces.

[0069] Computer system 800 may also communicate with one or more external devices 860 such as a keyboard, a pointing device, a display 870, etc; one or more devices that enable a user to interact with computer system; and/or any devices (e.g., network card, modem, etc.) that enable computer system to communicate with one or more other computing devices. Such communication can occur via Input/Output (I/O) interfaces 880.

[0070] Still yet, computer system 800 can communicate with one or more networks 850 such as a local area network (LAN), a general wide area network (WAN), and/or a public network (e.g., the Internet) via network adapter 855. As depicted, network adapter 855 communicates with the other components of computer system via bus 830. It should be understood that although not shown, other hardware and/or software components could be used in conjunction with computer system. Examples include, but are not limited to: microcode, device drivers, redundant processing units, external disk drive arrays, RAID systems, tape drives, and data archival storage systems, etc.

[0071] As will be appreciated by one skilled in the art, aspects of the present disclosure may be embodied as a system, method or computer program product. Accordingly, aspects of the present disclosure may take the form of an entirely hardware embodiment, an entirely software embodiment (including firmware, resident software, micro-code, etc.) or an embodiment combining software and hardware aspects that may all generally be referred to herein as a "circuit," "module" or "system." Furthermore, aspects of the present disclosure may take the form of a computer program product embodied in one or more computer readable medium(s) having computer readable program code embodied thereon.

[0072] Any combination of one or more computer readable medium(s) may be utilized. The computer readable medium may be a computer readable signal medium or a computer readable storage medium. A computer readable storage medium may be, for example, but not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, or device, or any suitable combination of the foregoing. More specific examples (a non-exhaustive list) of the computer readable storage medium would include the following: a portable computer diskette, a hard disk, a random access memory (RAM), a read-only memory (ROM), an erasable programmable read-only memory (EPROM or Flash memory), a portable compact disc read-only memory (CD-ROM), an optical storage device, a magnetic storage device, or any suitable combination of the foregoing. In the context of this document, a computer readable storage medium may be any tangible medium that can contain, or store a program for use by or in connection with an instruction execution system, apparatus, or device.

[0073] A computer readable signal medium may include a propagated data signal with computer readable program code embodied therein, for example, in baseband or as part of a carrier wave. Such a propagated signal may take any of a variety of forms, including, but not limited to, electromagnetic, optical, or any suitable combination thereof. A computer readable signal medium may be any computer readable medium that is not a computer readable storage medium and that can communicate, propagate, or transport a program for use by or in connection with an instruction execution system, apparatus, or device.

[0074] Program code embodied on a computer readable medium may be transmitted using any appropriate medium, including but not limited to wireless, wireline, optical fiber cable, RF, etc., or any suitable combination of the foregoing.

[0075] Computer program code for carrying out operations for aspects of the present invention may be written in any combination of one or more programming languages, including an object

oriented programming language such as Java, Smalltalk, C++ or the like and conventional procedural programming languages, such as the "C" programming language or similar programming languages, a scripting language such as Perl, VBS or similar languages, and/or functional languages such as Lisp and ML and logic-oriented languages such as Prolog. The program code may execute entirely on the user's computer, partly on the user's computer, as a stand-alone software package, partly on the user's computer and partly on a remote computer or entirely on the remote computer or server. In the latter scenario, the remote computer may be connected to the user's computer through any type of network, including a **local area network (LAN)** or a **wide area network (WAN)**, or the connection may be made to an external computer (for example, through the Internet using an Internet Service Provider).

[0076] Aspects of the present disclosure are described with reference to flowchart illustrations and/or block diagrams of methods, apparatus (systems) and computer program products according to some embodiments of the present disclosure. It will be understood that each block of the flowchart illustrations and/or block diagrams, and combinations of blocks in the flowchart illustrations and/or block diagrams, can be implemented by computer program instructions. These computer program instructions may be provided to a processor of a general purpose computer, special purpose computer, or other programmable data processing apparatus to produce a machine, such that the instructions, which execute via the processor of the computer or other programmable data processing apparatus, create means for implementing the functions/acts specified in the flowchart and/or block diagram block or blocks.

[0077] These computer program instructions may also be stored in a computer readable medium that can direct a computer, other programmable data processing apparatus, or other devices to function in a particular manner, such that the instructions stored in the computer readable medium produce an article of manufacture including instructions which implement the function/act specified in the flowchart and/or block diagram block or blocks.

[0078] The computer program instructions may also be loaded onto a computer, other programmable data processing apparatus, or other devices to cause a series of operational steps to be performed on the computer, other programmable apparatus or other devices to produce a computer implemented process such that the instructions which execute on the computer or other programmable apparatus provide processes for implementing the functions/acts specified in the flowchart and/or block diagram block or blocks.

[0079] The flowchart and block diagrams in the figures illustrate the architecture, functionality, and operation of possible implementations of systems, methods and computer program products according to various embodiments of the present invention. In this regard, each block in the flowchart or block diagrams may represent a module, segment, or portion of code, which comprises one or more executable instructions for implementing the specified logical function(s). It should also be noted that, in some alternative implementations, the functions noted in the block may occur out of the order noted in the figures. For example, two blocks shown in succession may, in fact, be executed substantially concurrently, or the blocks may sometimes be executed in the reverse order, depending upon the functionality involved. It will also be noted that each block of the block diagrams and/or flowchart illustration, and combinations of blocks in the block diagrams and/or flowchart illustration, can be implemented by special purpose hardware-based systems that perform the specified functions or acts, or combinations of special purpose hardware and computer instructions.

[0080] The computer program product may comprise all the respective features enabling the implementation of the methodology described herein, and which - when loaded in a computer system - is able to carry out the methods. Computer program, software program, program, or software, in the present context means any expression, in any language, code or notation, of a set of instructions intended to cause a system having an information processing capability to perform a particular function either directly or after either or both of the following: (a) conversion to another language, code or notation; and/or (b) reproduction in a different material form.

[0081] The terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting of the invention. As used herein, the singular forms "a", "an" and "the" are intended to include the plural forms as well, unless the context clearly indicates otherwise. It will be further understood that the terms "comprises" and/or "comprising," when used in this specification, specify the presence of stated features, integers, steps, operations, elements,

and/or components, but do not preclude the presence or addition of one or more other features, integers, steps, operations, elements, components, and/or groups thereof.

[0082] The corresponding structures, materials, acts, and equivalents of all means or step plus function elements, if any, in the claims below are intended to include any structure, material, or act for performing the function in combination with other claimed elements as specifically claimed. The description of the present invention has been presented for purposes of illustration and description, but is not intended to be exhaustive or limited to the invention in the form disclosed. Many modifications and variations will be apparent to those of ordinary skill in the art without departing from the scope and spirit of the invention. The embodiment was chosen and described in order to best explain the principles of the invention and the practical application, and to enable others of ordinary skill in the art to understand the invention for various embodiments with various modifications as are suited to the particular use contemplated.

[0083] Various aspects of the present disclosure may be embodied as a program, software, or computer instructions embodied in a computer or machine usable or readable medium, which causes the computer or machine to perform the steps of the method when executed on the computer, processor, and/or machine. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform various functionalities and methods described in the present disclosure is also provided.

[0084] The system and method of the present disclosure may be implemented and run on a general-purpose computer or special-purpose computer system. The terms "computer system" and "computer network" as may be used in the present application may include a variety of combinations of fixed and/or portable computer hardware, software, peripherals, and storage devices. The computer system may include a plurality of individual components that are networked or otherwise linked to perform collaboratively, or may include one or more stand-alone components. The hardware and software components of the computer system of the present application may include and may be included within fixed and portable devices such as desktop, laptop, and/or server. A module may be a component of a device, software, program, or system that implements some "functionality", which can be embodied as software, hardware, firmware, electronic circuitry, or etc.

[0085] Although specific embodiments of the present invention have been described, it will be understood by those of skill in the art that there are other embodiments that are equivalent to the described embodiments. Accordingly, it is to be understood that the invention is not to be limited by the specific illustrated embodiments, but only by the scope of the appended claims.

#### CONCEPTS

[0086] **Concept 1. A cryptocurrency system**, comprising: one or more processors; and memory storing executable instructions that, if executed by the one or more processors, configure the cryptocurrency system to: communicate with a device of a user; receive body activity data which is generated based on body activity of the user, wherein the body activity is sensed by a sensor communicatively coupled to or comprised in the device of the user; verify if the body activity data of the user satisfies one or more conditions set by the cryptocurrency system; and award cryptocurrency to the user whose body activity data is verified.

[0087] Concept 2. The system of any preceding and/or succeeding Concept(s), wherein the **body activity sensed by the sensor comprises at least one of body radiation emitted from the user, body fluid flow, a brain wave, pulse rate or body heat radiation.**

[0088] Concept 3. The system of any preceding and/or succeeding Concept(s), wherein the one or more conditions are set based on an amount of human body activity associated with a task which is provided to the device of the user.

[0089] Concept 4. The system of any preceding and/or succeeding Concept, wherein the one or more conditions comprise a condition that the body activity data represents that the user performs a task provided to the device of the user.

[0090] Concept 5. The system of any preceding and/or succeeding Concept(s), wherein the body activity data is generated using a hash algorithm **converting human body activity into an encryption output**, and the generated body activity data comprises a hash of the sensed body activity of the user.

[0091] Concept 6. The system of any preceding and/or succeeding Concept(s), wherein the body activity data comprises one or more vectors produced from the body activity sensed by the sensor.

[0092] Concept 7. The system of any preceding and/or succeeding Concept(s), wherein the one or more conditions include a condition that the hash of the body activity includes repeated patterns or a mathematical property set by the cryptocurrency system.

[0093] Concept 8. The system of any preceding and/or succeeding Concept(s), wherein the cryptocurrency system awards the cryptocurrency to the user by generating a block for the awarded cryptocurrency and adding the block to a blockchain stored in the cryptocurrency system.

[0094] Concept 9. The system of any preceding and/or succeeding Concept(s), wherein the block comprises data comprising: a task provided to the device of the user; information on the awarded cryptocurrency; a hash associated with the body activity; and a hash of a previous block.

[0095] Concept 10. The system of any preceding and/or succeeding Concept(s), wherein the task provided to the device of the user comprises a test for verifying if the user of the device is human or not.

[0096] Concept 11. The system of any preceding and/or succeeding Concept(s), wherein the cryptocurrency system is configured to: receive, from the device of the user, data of the body activity generated before the hash algorithm is applied and the hash of the body activity; rehash the data of the body activity; and compare the rehashed data with the hash of the body activity received from the device of the user to verify the body activity data.

[0097] Concept 12. A computer-implemented method, comprising: receiving, by a device of a user coupled to a network, a task over the network; sensing, by a sensor communicatively coupled to or comprised in the device of the user, body activity of the user; generating body activity data based on the sensed body activity of the user; verifying, by a cryptocurrency system communicatively coupled to the device of the user, if the body activity data satisfies one or more conditions set by the cryptocurrency system; and awarding, by the cryptocurrency system, cryptocurrency to the user whose body activity data is verified.

[0098] Concept 13. The method of any preceding and/or succeeding Concept(s), wherein the body activity sensed by the sensor comprises at least one of body radiation emitted from the user, body fluid flow, a brain wave, pulse rate or body heat radiation.

[0099] Concept 14. The method of any preceding and/or succeeding Concept(s), wherein the one or more conditions are set by the cryptocurrency system based on an amount of human body activity associated with the task provided to the device of the user.

[00100] Concept 15. The method of any preceding and/or succeeding Concept(s), wherein the verifying if the body activity data satisfies the one or more conditions comprises determining if the body activity data represents that the user performs the task provided to the device of the user.

[00101] Concept 16. The method of any preceding and/or succeeding Concept(s), wherein the verifying if the body activity data satisfies the one or more conditions comprises determining if the body activity data represents more than an amount of the body activity set by the cryptocurrency system.

[00102] Concept 17. The method of any preceding and/or succeeding Concept(s), wherein the body activity data is generated using a hash algorithm converting human body activity into an encryption output, and the generated body activity data comprises a hash of the sensed body activity of the user.

[00103] Concept 18. The method of any preceding and/or succeeding Concept(s), wherein the body activity data comprises one or more vectors produced from the body activity sensed by the sensor.

[00104] Concept 19. The method of any preceding and/or succeeding Concept(s), wherein the verifying if the body activity data satisfies the one or more conditions set by the cryptocurrency system comprises determining if the hash of the sensed body activity includes repeated patterns or a mathematical property set by the cryptocurrency system.

[00105] Concept 20. The method of any preceding and/or succeeding Concept(s), wherein the awarding the cryptocurrency comprises generating, by the cryptocurrency system, a block for the awarded cryptocurrency and adding the generated block to a blockchain stored in the cryptocurrency system.

[00106] Concept 21. The method of any preceding and/or succeeding Concept(s), wherein the block comprises data comprising: the task provided to the device of the user; information on the awarded cryptocurrency; the generated hash associated with the body activity; and a hash of a previous block.

[00107] Concept 22. The method of any preceding and/or succeeding Concept(s), wherein the task comprises a test for verifying if the user of the device is human or not.

[00108] Concept 23. The method of any preceding and/or succeeding Concept(s), further comprising: receiving, by the cryptocurrency system, from the device of the user, data of the body activity generated before the hash algorithm is applied and the hash of the body activity; rehashing, by the cryptocurrency system, the data of the body activity; and comparing, by the cryptocurrency system, the rehashed data with the hash of the body activity received from the device of the user to verify the body activity data.

[00109] Concept 24. A device, comprising: one or more processors **communicatively coupled to a sensor**, the sensor configured to **sense body activity of a user**; and memory storing executable instructions that, if executed by the one or more processors, configure the device to: receive a task; generate body activity data based on the sensed body activity of the user, wherein the sensed body activity is associated with the received task; and **transmit the generated body activity data to a system or network which verifies the body activity data to award cryptocurrency**.

[00110] Concept 25. The system of any preceding and/or succeeding Concept(s), wherein the body activity sensed by the sensor comprises at least **one of body radiation emitted from the user, body fluid flow, a brain wave, pulse rate or body heat radiation**.

[00111] Concept 26. The system of any preceding and/or succeeding Concept(s), wherein the body activity data is generated using a hash algorithm **converting human body activity into an encryption output**.

[00112] Concept 27. The system of any preceding and/or succeeding Concept(s), wherein the **body activity data comprises one or more vectors produced from the body activity sensed by the sensor**.

[00113] Concept 28. The system of any preceding and/or succeeding Concept(s), wherein the **body activity data is generated by producing one or more vectors from the body activity sensed by the sensor and encrypting the one or more vectors**.

#### **MORE ABOUT BLOCK CHAIN -- AKA *digital immunity proof***

#### **COVID-19 Immunity Passport™ Unites 60 Firms on Self-Sovereign ID Project**

Apr 13, 2020 at 14:05 UTC

<https://www.coindesk.com/covid-19-immunity-passport-unites-60-firms-on-self-sovereign-id-project>

<https://www.hyperledger.org/resources/case-studies>

<https://www.hyperledger.org/resources/publications/orgbook-case-study>

<https://www.theguardian.com/world/2020/mar/30/immunity-passports-could-speed-up-return-to-work-after-covid-19>

<https://www.digitalimmunity.com>

<https://www.youtube.com/watch?v=xNqil2h8VRA>

#### **Brain mapping and brain decoding**

<https://www.youtube.com/watch?v=Ecqv-EvOj8M>

<https://www.youtube.com/watch?v=6FsH7RK1S2E>

<https://news.berkeley.edu/2011/09/22/brain-movies/>

**previous RFID patent**

[http://emrabc.ca/?page\\_id=5228](http://emrabc.ca/?page_id=5228)

#### **21.4.20 – Fauci behind funding of Wuhan lab research into coronavirus?:**

<https://www.nexusnewsfeed.com/article/geopolitics/fauci-behind-funding-of-wuhan-lab-research-into-coronavirus/> (full story in 16.4.20 – EXCLUSIVE: Dr. Rashid Buttar BLASTS Gates, Fauci, EXPOSES Fake Pandemic Numbers As Economy Collapses:

<https://www.youtube.com/watch?v=WGbYHJcMbz8>)

#### **21.4.20 - Lockdown will cost a QUARTER of UK jobs as 6.5 MILLION positions are to be axed with the hospitality industry set to be crippled by coronavirus crisis, research says:**

<https://www.dailymail.co.uk/news/article-8234081/Lockdown-cost-QUARTER-UK-jobs-6-5-MILLION-positions-axed.html>

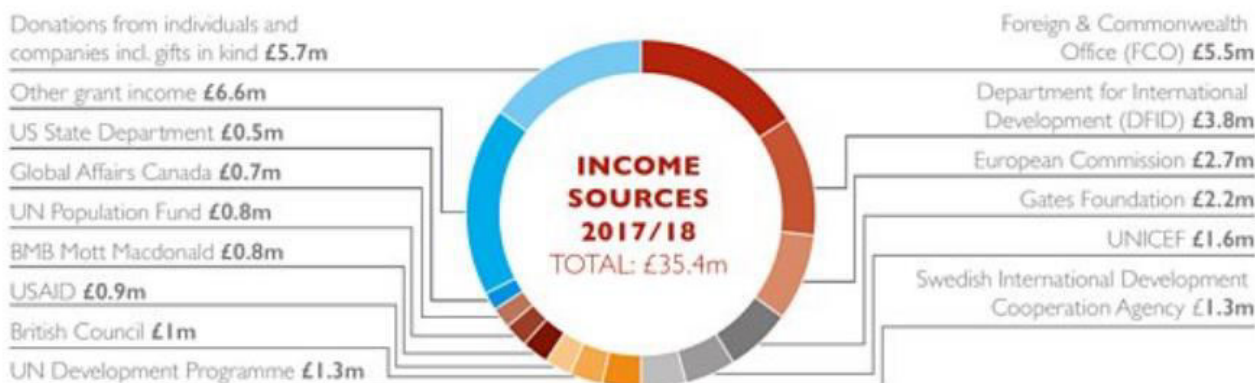
- Research comes from Institute for Social and Economic Research at Essex Uni
- It says 6.5million jobs equates to around a quarter of Britain's total occupations
- Accommodation and food services are to suffer the worst rate of cuts, 1.3million

- Government was warned support for businesses must come faster during crisis

#### 12.4.20 – Gates giving millions to the 'independent' BBC - no wonder they give him an easy ride. Live debate Mr Gates? Any time you like ...:

<https://www.davidicke.com/article/568639/gates-giving-millions-independent-bbc-no-wonder-give-easy-ride-live-debate-mr-gates-time-like>

BBC



We are grateful to the wide range of funders, including national governments, the UN and other international organisations, foundations, corporate partners and private individuals that supported our 100 different projects in 2017/18.

Significant donors included the UK Foreign and Commonwealth Office, the UK Department for International Development (DFID), the European Commission, several UN agencies, the Bill and Melinda Gates Foundation, the Swedish International Development Cooperation Agency (SIDA) and the British Council.

The 15 members of our Corporate Leaders Group contributed cash and in-kind support, and our annual fundraising event The Correspondents Dinner and gifts from individual donors continued to raise valuable unrestricted income for the organisation. The BBC provided gift in kind office facilities and a grant to reflect the value of programming that BBC Media Action provides to BBC World Service.

Find out more about BBC Media Action's Corporate Leaders Group and how to donate.

The financial information on this page has been taken from the Annual Report & Accounts for the year to 31 March 2018.

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## CONTROL

#### 21.4.20 - EXPLAINED: How will the post-lockdown tracing system work in Switzerland?:

[https://www.thelocal.ch/20200420/explained-how-will-the-post-confinement-tracing-work-in-switzerland?utm\\_source=piano&utm\\_medium=email&utm\\_campaign=213&tpcc=thelocal\\_newsletter\\_ch&pnespid=1vdtuOAEgXONGob0OoggqZTNDHVuR1z6OhfvMXw](https://www.thelocal.ch/20200420/explained-how-will-the-post-confinement-tracing-work-in-switzerland?utm_source=piano&utm_medium=email&utm_campaign=213&tpcc=thelocal_newsletter_ch&pnespid=1vdtuOAEgXONGob0OoggqZTNDHVuR1z6OhfvMXw)

The Local; [news@thelocal.ch](mailto:news@thelocal.ch)

#### 21.4.20 – Chinese Company Suspected of Spying on U.S. Citizens Donates Police Drones to 22 States: <https://www.nationalreview.com/news/chinese-company-suspected-of-spying-on-u-s-citizens-donates-police-drones-to-22-states/>

Chinese company Da Jiang Innovations, the world's largest maker of drones, has donated drones to 43 law enforcement agencies operating in 22 U.S. states to enforce social distancing rules.

Police in Elizabeth, N.J., for example, are using the drones to surveil residents in places where patrol cars can't easily reach, such as spaces between buildings and back yards.

"If these drones save one life, it is clearly worth the activity and the information that the drones are sending," Elizabeth mayor Chris Bollwage told MSNBC.

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## CRIMES AGAINST HUMANITY

**Documentary - Out of the Shadows:** <https://feeds.captivate.fm/thomas-paine/>  
On Hollywood and paedophilia

**German version of Out of the Shadows - Doku deutsch 2020 - Out of Shadows:**  
<https://www.youtube.com/watch?v=RpDK0QUObvI>

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## 5G ROLLOUT

Information: <http://toxi.com/5g>

**MUST-WATCH (VERY SHORT)** - Reprise: Mobile phone vs. steel wool: how your iphone will damage your brain: [https://www.youtube.com/watch?v=\\_UdkaypjXBo](https://www.youtube.com/watch?v=_UdkaypjXBo)

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## DISSENT

**21.4.20 – Tucker Carlson - Texas Lt. Gov. Patrick responds to backlash from moronic software programs for speaking the truth:** <https://www.davidicke.com/article/568618/lt-gov-patrick-responds-backlash-tucker-carlson-tonight-comments>

Ed. A very sensible man. He points out – correctly – that this conspiracy is being carried out by Democrat politicians. Of course it is, it is a conspiracy carried out by moronic people who think they are working for socialism and a better world but are actually being manipulated by the kleptocrats: the Fabian Society, whose logo is a wolf in sheep's clothing, together with Club of Rome, Club of Madrid (of which UN Secretary-General Antonio Guterres is a member) and Club of Budapest, plus implementers such as Deepak Chopra's Evolutionary Leaders Lynne McTaggart, Bruce Lipton, Gregg Braden et al.

**20.4.20 - Las Vegas mayor blasts 'total insanity' of shutdown:**

[https://needtoknow.news/2020/04/las-vegas-mayor-blasts-total-insanity-of-shutdown/?utm\\_source=rss&utm\\_medium=rss&utm\\_campaign=las-vegas-mayor-blasts-total-insanity-of-shutdown](https://needtoknow.news/2020/04/las-vegas-mayor-blasts-total-insanity-of-shutdown/?utm_source=rss&utm_medium=rss&utm_campaign=las-vegas-mayor-blasts-total-insanity-of-shutdown)

After Steve Sisolak, the Democrat Governor of Nevada, said he had no immediate plans to ease the mass shutdown and closures of “nonessential” businesses statewide, Las Vegas Mayor Carolyn Goodman blasted the actions, saying the lockdown has reached a point of “total insanity”. Data indicates that 128 people, less than half of one percent of the population, have died from illness attributed to the coronavirus. The population of Nevada's population is 3.2 million people, and she estimates that 900,000 have already lost their jobs, with 300,000 of those filing for unemployment. –GEG

**20.4.20 - Protests erupt against coronavirus lockdowns around the world:**

<https://www.telegraph.co.uk/news/2020/04/20/protests-erupt-against-coronavirus-lockdowns-around-world/>

Demonstrations flare in a number of countries as people rebel against measures introduced to contain virus

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## ESSENTIAL READING (ongoing)

**Summary of Invisible Rainbow: A History of Electricity and Life (8 languages):**

<https://www.5gexposed.com/wp-content/uploads/2019/04/English-Summary-of-The->

[Invisible-Rainbow-A-History-of-Electricity-and-Life-3.pdf](#) (links to all 8 languages) or at <https://phibetaiota.net/2020/02/arthur-firstenberg-the-invisible-rainbow-a-history-of-electricity-and-life-radiation-sickness-explains-all-past-and-present-flu-outbreaks-including-wuhan-virus-and-radiation-sickness-on-cruise-shi/>

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### 5G / CORONAVIRUS HEALTH ASPECTS

**21.4.20 - Le Covid-19 est une inflammation vasculaire systémique plus qu'une pneumonie, selon une étude Suisse:** <https://www.rtl.be/info/monde/international/le-covid-19-est-une-inflammation-vasculaire-systemique-plus-qu-une-pneumonie-selon-une-etude-suisse-1213199.aspx>

Bien plus qu'une pneumonie, la maladie COVID-19 est une inflammation vasculaire systémique, selon une étude de chercheurs zurichois. Cela explique pourquoi elle provoque autant de problèmes cardio-vasculaires et de défaillances d'organes vitaux.

Les premiers patients présentaient surtout des pneumonies difficiles à traiter, a indiqué l'Hôpital universitaire de Zurich (UZH) dans un communiqué. Puis, par la suite, les médecins ont constaté de plus en plus de cas de troubles cardio-vasculaires et de défaillances multiples d'organes sans lien apparent avec la pneumonie. L'équipe de Zsuzsanna Varga à l'UZH a donc examiné au microscope des échantillons de tissus de patients décédés et constaté que l'inflammation touchait l'endothélium - la paroi interne des vaisseaux sanguins - de différents organes. Le virus SARS-CoV-2 a pu être détecté dans l'endothélium lui-même, où il provoque la mort des cellules, puis des tissus et organes touchés.

#### **Des vaisseaux sanguins obstrués**

Les chercheurs en déduisent que le virus attaque le système immunitaire non pas par les poumons, mais directement par les récepteurs ACE2 présents dans l'endothélium, qui perd ainsi sa fonction protectrice. "*La maladie COVID-19 peut toucher les vaisseaux sanguins de tous les organes*", résume Frank Ruschitzka, directeur de la clinique de cardiologie de l'UZH, qui suggère désormais de baptiser ce tableau clinique "*COVID-endothélite*". Il s'agit d'une inflammation systémique des vaisseaux sanguins pouvant toucher le cœur, le cerveau, les poumons, les reins ou encore le tube digestif. Elle entraîne de graves micro-perturbations de la circulation sanguine qui peuvent endommager le cœur ou provoquer des embolies pulmonaires, voire obstruer des vaisseaux sanguins dans le cerveau ou le système gastro-intestinal, souligne l'UZH.

Si l'endothélium des jeunes patients se défend bien, ce n'est pas le cas de celui des groupes à risque souffrant d'hypertension, de diabète ou de maladies cardio-vasculaires, dont la caractéristique commune est une fonction endothéliale réduite. Au niveau thérapeutique, cela signifie qu'il faut combattre la multiplication du virus et en même temps protéger et stabiliser le système vasculaire des patients, conclut le Pr Ruschitzka, cité dans le communiqué. Ces travaux sont publiés dans la revue médicale britannique *The Lancet*.

#### **ROUGH TRANSLATION**

More than pneumonia, COVID-19 is a systemic vascular inflammation, according to a study by Zurich researchers. This explains why it causes so many cardiovascular problems and failures of vital organs.

The first patients had mostly difficult-to-treat pneumonia, said the University Hospital Zurich (UZH) in a statement. Then, subsequently, doctors found more and more cases of cardiovascular disorders and multiple organ failures with no apparent connection with pneumonia. Zsuzsanna Varga's team at UZH examined tissue samples from deceased patients under a microscope and found that the inflammation affected the endothelium - the inner wall of blood vessels - of various organs. The SARS-CoV-2 virus could be detected in the endothelium itself, where it causes the death of cells, and then affected tissues and organs.

#### **Obstruction of blood vessels**

The researchers conclude that the virus attacks the immune system not through the lungs, but directly through the ACE2 receptors present in the endothelium, which thus loses its protective function. "COVID-19 disease can affect the blood vessels of all organs," summarizes Frank Ruschitzka, director of the UZH cardiology clinic, who now suggests naming this clinical picture "COVID-endothelitis". It is a systemic inflammation of the blood vessels that can affect the heart,

brain, lungs, kidneys or the digestive tract. It causes severe micro-disturbances in blood circulation that can damage the heart or cause pulmonary embolism, or even clog blood vessels in the brain or gastrointestinal system, emphasizes UZH.

If the endothelium of young patients defends itself well, this is not the case with that of risk groups suffering from hypertension, diabetes or cardiovascular diseases, the common feature of which is a reduced endothelial function. At the therapeutic level, this means that it is necessary to combat the multiplication of the virus and at the same time protect and stabilize the vascular system of patients, concludes PR Ruschitzka, quoted in the statement. This work is published in the British Medical Journal *The Lancet*.

**21.4.20 – Le coronavirus est une inflammation vasculaire systémique plus qu’une pneumonie:** <https://www.lesoir.be/295919/article/2020-04-21/le-coronavirus-est-une-inflammation-vasculaire-systemique-plus-quune-pneumonie>

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**Paper: Radiation-induced hypoxia may perpetuate late normal tissue injury:**

<https://www.sciencedirect.com/science/article/pii/S0360301601015930>

Results: A moderate hypoxia was detected in the rat lungs at 6 weeks after irradiation, before the onset of functional or histopathologic changes. The more severe hypoxia, that developed at the later time points (6 months) after irradiation, was associated with a significant increase in macrophage activity, collagen deposition, lung fibrosis, and elevation in the respiratory rate. Immunohistochemistry studies revealed an increase in TGF- $\beta$ , VEGF, and CD-31 endothelial cell marker, suggesting a hypoxia-mediated activation of the profibrinogenic and proangiogenic pathways.

Conclusion: A new paradigm of radiation-induced lung injury should consider postradiation hypoxia to be an important contributing factor mediating a continuous production of a number of inflammatory and fibrogenic cytokines.

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## HOAX

**21.4.20 – Wall Street Journal caught running a Monsanto-style FAKE SCIENCE scam with Stanford researchers to mislead America over coronavirus infections:**

<https://www.naturalnews.com/2020-04-21-wall-street-journal-caught-running-fake-science-stanford-researchers-coronavirus-hoax.html>

The WSJ has been caught red-handed, running a fake science scam to try to deceive the American people about the coronavirus.

The scam involves Stanford University researchers who both wrote WSJ articles and, it turns out, were also co-authors of a bogus science paper they touted as a bombshell finding about the coronavirus.

It turns out those researchers are tied to Stanford's China-influenced "global economic forum" that pushes Chinese economic dominance through deception.

**21.4.20 – Still more confirmation that hospitals are near-empty and the media 'war-zone' claims are insane - or rather a pack of bloody lies. The media must be held to account for this in permanent boycotts:** <https://www.mumsnet.com/Talk/coronavirus/3886452-The-hospital-I-work-in-is-so-quiet?pg=1&order=>

**The hospital I work in is so quiet**

(954 Posts)

[Add message](#) | [Report](#)

IheartNiles Mon 20-Apr-20 21:03:24

London hospital.

Half empty. Some wards have less than a handful of patients, some wards are closed. Most staff have been moved to wards so are falling over selves. While their regular work goes undone.

A&E very quiet. I've sent patients there who are seen immediately. The heart attacks, strokes and appendicitis cases are presenting too late. People with covid are waiting too long to present. If you get breathless then for goodness sake come in. I'm so cross at the initial advice to stay home until struggling.

Had a look through covid ward lists and vast majority patients are aged over 70. Hardly any patients under 60, those who are have underlying health problems for the most part. Lots more men than women affected.

It's just a snapshot but echoed by colleagues in other hospitals. I think we can / should start to move back to normal life soon for the well young people among us. I

fear for the short and longer term economic hit. It's crazy to have all these young well people furloughed or made redundant.

[Add message](#) | [Report](#)

EdwynCollins Mon 20-Apr-20 21:05:49 Same. Our patients are being denied their regular treatments and interventions so we can all twiddle our thumbs and wait

[Add message](#) | [Report](#)

missyB1 Mon 20-Apr-20 21:08:10

Dh (hospital consultant) is saying the same about where he works - it's driving him mad! Empty wards, lots of staff, and so many important procedures /operations / treatments cancelled. God knows how they are ever going to catch up!

[Add message](#) | [Report](#)

Bottomplasters Mon 20-Apr-20 21:09:24

I was thinking this, work really quiet. Everyone busying themselves doing nonsense jobs whilst the world claps for us and we ate millions of donated food. Disclaimer: my ward is like this not all nurses

[Add message](#) | [Report](#)

helpmum2003 Mon 20-Apr-20 21:09:28

Agree, I'm very concerned about the long term morbidity and mortality due to delayed/missed diagnoses...

[Add message](#) | [Report](#)

IheartNiles Mon 20-Apr-20 21:09:39

I'm glad we've coped with it but for goodness sake let us return to some normal business now. There won't be any money to pay for the NHS if this carries on much longer.

[Add message](#) | [Report](#)

Unaware Mon 20-Apr-20 21:11:54

Exactly the same here! I'm an AHP and we're just waiting to see if the rehab phase is any busier

[Add message](#) | [Report](#)

AmelieTaylor Mon 20-Apr-20 21:12:13

Hi

I'm relieved to hear it frankly. How do you reconcile that with the threads saying they're at capacity & the threads saying they couldn't get an ambulance to come out to them, that they were told not to call back until their lips were blue and they couldn't say two words??

Not disputing what you say and I guess all hospitals are different, but it's very difficult to get a feel for what it's really like in general!

I'm SE.

[Add message](#) | [Report](#)

chickedeee Mon 20-Apr-20 21:14:28

This is shocking to hear as the news reporters are not talking about this at all!

Are there regional variations?

[Add message](#) | [Report](#)

LonelyInLockdown Mon 20-Apr-20 21:15:24

Couldn't agree more OP.

When the economy crashes who will be left to fund the NHS?

Let's get the country back to work - those that need to can self isolate can; the trouble is, politicians aren't businesspeople, they're like teenagers who just want to be popular.

My fear is that the gov will agree to an endless lockdown because they've scared everyone so much they're too terrified to ever leave the house.

[Add message](#) | [Report](#)

Pluckedpencil Mon 20-Apr-20 21:16:30

Interesting and also frustrating for those awaiting non covid related yet critical treatments for other conditions.

[Add message](#) | [Report](#)

IheartNiles Mon 20-Apr-20 21:18:08

I can only speak for my hospital but colleagues in London all saying the same. It feels like a massive overreaction. I'm sure we'll get other waves of infection but if testing and tracing ramped up and the elderly to social distance until treatment agreed (if not a vaccine) then we should be

able to get people back to a sense of normality now really. If we get quick turnaround testing we can work towards covid positive / covid negative hospitals.

[Add message](#) | [Report](#)

Kez200 Mon 20-Apr-20 21:19:33

Can i just say, thanks, for all you did when it was crazy.

Im pleased to hear it, given the PPE debacle (according to MSM).

[Add message](#) | [Report](#)

LilacTree1 Mon 20-Apr-20 21:20:03

Thanks for sharing this OP.

Anyone who has chest pain now would probably think it was stress and that's understandable.

They do say, every day, at the press conference, that they are well below capacity. They've been saying it before the effects of lockdown could come into play.

If Johnson hadn't got so ill, I honestly think we'd have been in a better position.

[Add message](#) | [Report](#)

LilacTree1 Mon 20-Apr-20 21:21:10

Lonely " My fear is that the gov will agree to an endless lockdown because they've scared everyone so much they're too terrified to ever leave the house."

And the sunk costs fallacy, they have to make their actions look justified.

[Add message](#) | [Report](#)

IheartNiles Mon 20-Apr-20 21:22:04

Part of the problem is patients are now too frightened to come in for treatment. We need to move to covid negative environments as best we can to help facilitate confidence.

[Add message](#) | [Report](#)

DobbyTheHouseElk Mon 20-Apr-20 21:23:19

My friend is a consultant in a London hospital. She's told me the same. She said it's no where near as bad as Italy or USA. I'd rather listen to her account than the media.

[Add message](#) | [Report](#)

OneMoment Mon 20-Apr-20 21:23:56

Thank you for this op. Can I ask whereabouts you are?

[Add message](#) | [Report](#)

The80sweregreat Mon 20-Apr-20 21:24:00

It's good news for the staff. I'm sad that people have had ops and treatments cancelled though.

[Add message](#) | [Report](#)

justanotherneighinparadise Mon 20-Apr-20 21:24:15

I'm talking to friends who are ill. Doctors won't see them. I'm hearing stories of ambulances being denied unless patients are bloody blue in the face. Enough already!!!!

[Add message](#) | [Report](#)

chickedeee Mon 20-Apr-20 21:24:27

I think they are waiting for Johnson to come back before they make any decisions!

[Add message](#) | [Report](#)

missyB1 Mon 20-Apr-20 21:24:46

There are definitely some regional variations. We are in southwest we seem to have got away quite

lightly.  
Dh normally works in cancer diagnosis, he's worried about the long term effects of cancelling all this work.

[Add message](#) | [Report](#)

CallmeAngelina Mon 20-Apr-20 21:25:00

My best friend, who is a consultant in a large hospital in the south (not London) related the exact same thing to me yesterday. She said they're finishing their ward rounds by 11am, and are twiddling their thumbs much of the time, feeling very guilty about being clapped for, every Thursday.

BUT, she is very worried about what's heading their way once some of this is lifted, and their clinic waiting lists will explode and there will be many patients who will be too late for effective treatment.

[Add message](#) | [Report](#)

EdwynCollins Mon 20-Apr-20 21:25:07

Unaware we are starting to get patients recovering covid and needing rehab

[Add message](#) | [Report](#)

tootyfruitypickle Mon 20-Apr-20 21:26:24

OP are you saying it's quiet now after a mad busy spell the past few weeks?

**21.4.20 - 'Not possible to determine' exact origins of Covid-19, but available evidence points to animal source – WHO (Gates):** <https://www.rt.com/news/486393-who-coronavirus-origin-unclear/>

While the origin of the coronavirus has yet to be confirmed, early findings suggest it originated in animals, a top World Health Organization (WHO) official said shortly after the US president fueled the 'Wuhan lab' theory.

Asked to comment on recent reports by major US media outlets suggesting the lethal virus emanated from a virology lab in the Chinese city of Wuhan, Takeshi Kasai, WHO regional director for the Western Pacific, cautioned against speculation, saying the verdict was still out on the exact origins of the pathogen. ...

**16.4.20 - Niemand Starb an Corona, Autopsie Beweist es! Spiel ist aus! (No one died from Coronavirus. The game is over:** <https://www.youtube.com/watch?v=fVFHuBd-FGM>

Kein einziger unterschriebene Autopsiebericht besagt: Ursache des toten Coronavirus! NICHT 1 !!!

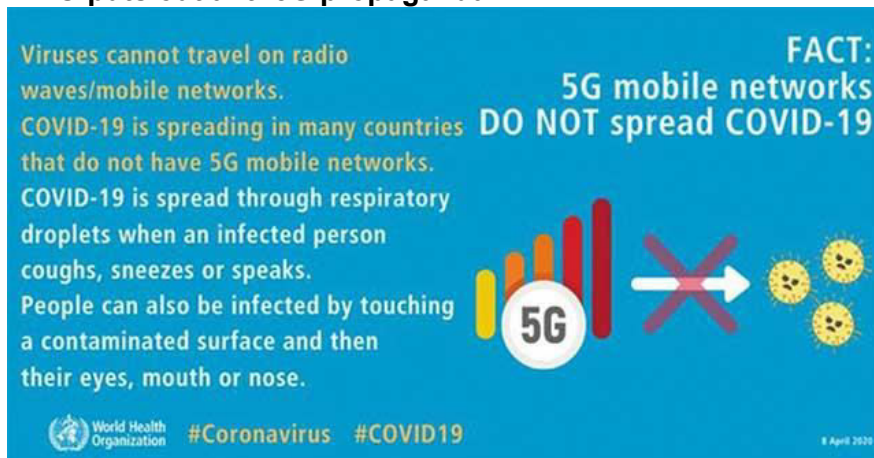
- WHO hat gesagt, KEINE Autopsie durchzuführen, sondern KÖRPER ZU VERBRENNEN !!! -

Johns Hopkins, Robert Koch Institut...

Not a single signed autopsy report says: cause of the dead Coronavirus! Not 1 !!!

- WHO said not to perform an autopsy, but to burn bodies !!! - Johns Hopkins, Robert Koch Institute...

**WHO puts out anti-5G propaganda**



Absolutely true! Viruses cannot travel on radio waves or mobile networks. Did anyone suggest that they could? No, what I and many doctors are saying is that **there is no virus** and the symptoms of this supposed virus are caused by wireless technology i.e. electromagnetic radiation.

**29.1.20 - Coronavirus outbreak: Can face masks protect you?:**

<https://www.today.com/health/coronavirus-outbreak-leads-stores-sell-out-face-masks-can-masks-t172730>

[The answer is "No".] "This is the desire of individuals to have some control," doctors say.

**FROM A CORRESPONDENT: Danger of wearing face masks**

What becomes of the breath behind the mask: <https://medizin-und-technik.industrie.de/markt/coronavirus/mund-nasen-schutz-und-masken-aller-art-gegen-erreger-aus-der-luft/>

In a doctoral thesis from 2004, the physician Ulrike Butz investigated the extent to which wearing breathing masks leads to poor breathing air for the wearer. Because the exhaled air is held back by the low permeability of the masks, whereby the wearers breathe more carbon dioxide (CO<sub>2</sub>) back in.

Ulrike Butz tested conventional surgical masks from two manufacturers and found a significant increase in CO<sub>2</sub> levels in the blood of the subjects after 30 minutes of wearing them. However, the respiratory rate and oxygen content in the blood remained constant. What remains open is what would happen after several hours of wearing, as is often the case in everyday surgical practice. The so-called *hypercapnia*, an increased carbon dioxide content in the blood, can limit various brain functions.

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**HUMOUR**

**My Vaccines Don't Work Unless Everyone Around Me Gets Vaccinated Too...**



aconduitforsource Never go "full-retard"... 🤪

### 21.4.20 - COVIDIOTIC Driver blasted online for putting up sign in his car window that read 'F\*\*\* the NHS'

The sign, spotted in [Mold, Flintshire](#), [Ed. I wonder if they have an excess number of Coronavirus cases in Mold??] read: "F\*\*\* the NHS. They get paid to save our lives. We don't get paid to save there lives."

The woman shopper, who did not wish to be named, said: "I was shocked and appalled someone could be so disrespectful towards the NHS and all they are doing.

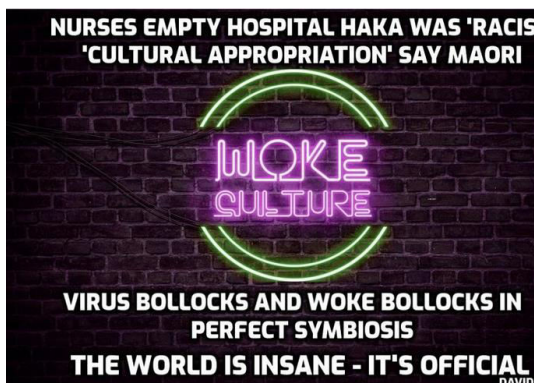
"Not just during [Covid-19](#) but every day. I think they are doing a fantastic job and really are true heroes. "

After the images were shared on [Facebook](#) one user wrote: "This person will learn an important lesson when they need the help of the NHS. Think on this, whoever you are."

Another person said: "They do get paid...but they don't get paid enough for what they have to do."

Another added: "Disgusting, absolute moron, NHS is something we are all so fortunate to have."

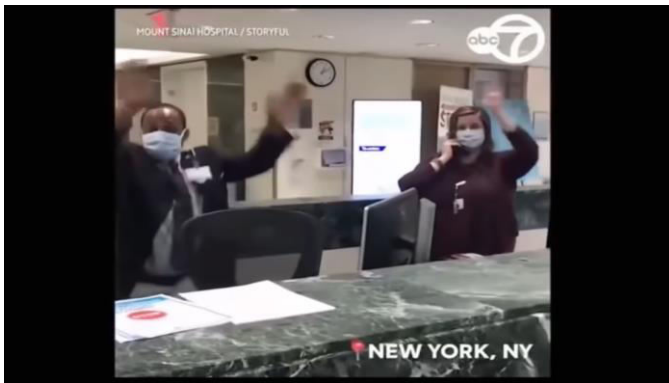
**UK NHS nurses usefully employed:** <https://www.davidicke.com/article/568611/uk-nurses-anti-coronavirus-haka-denounced-maori-racist-cultural-appropriation>



UK nurses' COVID-19 haka slammed as cultural appropriation...  
The video on Twitter now has over 620,000 views.

**US hospital staff usefully employed:**





**UK NHS hospital staff usefully employed in predictive programming for Coronavirus at London Olympics opening ceremony2012:** <https://www.youtube.com/watch?v=T69vHwovgcl>



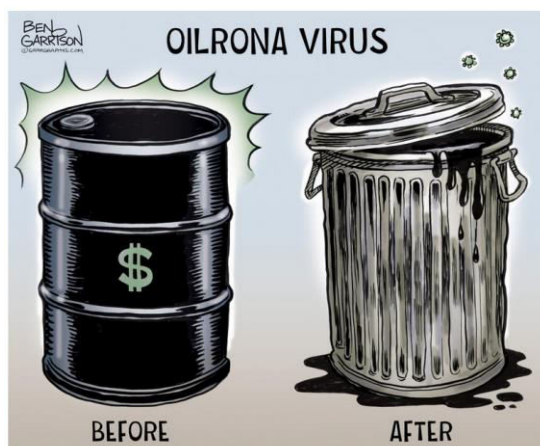
**... washing their hands against the virus:**



**... giant baby as electromagnetic radiation ripples through its body?:**



Ed. So let's all get our saucepans and all together, totally spontaneously, bang them to support our courageous and worked-off-their-feet hospital staff as they deal with their idleness and boredom during this plannedemic. The totally spontaneous health worker balcony applause phenomenon – Propaganda Watch: [https://www.activistpost.com/2020/03/the-totally-spontaneous-health-worker-balcony-applause-phenomenon-propaganda-watch.html?utm\\_source=Activist+Post+Subscribers&utm\\_medium=email&utm\\_campaign=415526a32f-RSS\\_EMAIL\\_CAMPAIGN&utm\\_term=0\\_b0c7fb76bd-415526a32f-388367887](https://www.activistpost.com/2020/03/the-totally-spontaneous-health-worker-balcony-applause-phenomenon-propaganda-watch.html?utm_source=Activist+Post+Subscribers&utm_medium=email&utm_campaign=415526a32f-RSS_EMAIL_CAMPAIGN&utm_term=0_b0c7fb76bd-415526a32f-388367887)



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**NEWS****FROM A CORRESPONDENT**

**Killary files are online at Wikileaks: Index of /file/clinton-emails/:**

<https://file.wikileaks.org/file/clinton-emails/>

**21.4.20 - UK government 'partnering' with Gates Foundation over 'food security' - well, you've seen who Gates really is now. Are you going to let the software psychopath take over your life and your children's lives?:** <https://www.davidicke.com/article/568490/uk-government-partnering-gates-foundation-food-security-well-youve-seen-gates-really-now-going-let-software-psychopath-take-life-childrens>

UK aid is tackling global food insecurity through a new project with the Bill & Melinda Gates Foundation to protect plants from the threat of climate change, pests and diseases. The new funding will allow scientists to research cutting-edge technology to protect crops and also to produce "super crops" that will be more efficient and withstand the impacts of climate change. For example, one of the projects will work to increase yields by harnessing major advances in photosynthesis.

International Development Secretary Alok Sharma and Bill Gates visited the Sainsbury Lab at the University of Cambridge yesterday (Monday 7 October). They met scientists working on advances in crop engineering to help plants capture nitrogen naturally and grow without the need for chemical fertilisers which can damage the environment. Nearly 80% of people in the developing world rely on farming for their livelihoods but the impacts of climate change and the damage caused by pests and diseases have left millions struggling to grow enough crops to put food on the table.

**20.4.20 - Coronavirus: UK must prepare for 'volatile and agitated society' after lockdown lifted, senior police officer warns:**

[https://www.independent.co.uk/news/uk/home-news/coronavirus-mental-health-crime-unemployment-lockdown-end-police-a9471316.html?utm\\_referrer=https%3A%2F%2Fzen.yandex.com&utm\\_campaign=dbr](https://www.independent.co.uk/news/uk/home-news/coronavirus-mental-health-crime-unemployment-lockdown-end-police-a9471316.html?utm_referrer=https%3A%2F%2Fzen.yandex.com&utm_campaign=dbr)



**9.4.20 - Barack Obama told the United States how to prepare for a pandemic way back in 2014:**

<https://www.indy100.com/article/obama-trump-coronavirus-prepare-pandemic-2014-speech-watch-video-9457926>

Ed. So it wasn't just Fauci predicting Coronavirus then? Funny how these elites know the future, isn't it? Oh, of course – they planned it so they would know, wouldn't they?

**21.4.20 – (WHO) Die Gates-Stiftung und das Wuhan-Institut für Virologie wurden alle gehackt. Alle Benutzernamen und Passwörter wurden Runtergeladen und Sichergestellt:**

<https://archive.is/j6sgo>

WHO. The Gates Foundation and the Wuhan Institute for virology were hacked. All user names

and passwords were downloaded and saved.

#### 21.4.20 – Original in Spanish - Death bed voicemail: New York hospital killing corona patients with lethal injection:

[https://beforeitsnews.com/health/2020/04/death-bed-voicemail-new-york-hospital-killing-corona-patients-with-lethal-injection-3020186.html?utm\\_referrer=https%3A%2F%2Fzen.yandex.com&utm\\_campaign=dbr](https://beforeitsnews.com/health/2020/04/death-bed-voicemail-new-york-hospital-killing-corona-patients-with-lethal-injection-3020186.html?utm_referrer=https%3A%2F%2Fzen.yandex.com&utm_campaign=dbr)

[Ed. The inclusion of items in this compilation does not necessarily imply endorsement.]

PROBABLY, and DEFINITELY banned everywhere. I figured I'd translate this and paste it in here before it totally vanishes, the audio has now vanished.

Patient with coronavirus reported that she and other patients were murdered at a New York hospital with a lethal injection.

*Mujer infectada de coronavirus muere y deja mensaje denunciando la mataron con inyección:*  
[https://www.youtube.com/watch?time\\_continue=29&v=zqnDNRUh4-0&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=29&v=zqnDNRUh4-0&feature=emb_logo)

NEW YORK.- A woman from the Dominican Republic infected with Covid-19 left a voice message before dying, in a New York hospital. **She stated that they are killing the sick with an injection** that they give them to get rid of them quickly

Gertrudis Taveras, a native of Santo Domingo, lived in Brooklyn and was diagnosed with the coronavirus, so she was admitted to a hospital where she died.

Before she died, the 49-year-old woman sent a voice message to a relative of hers, who is also her compadre, in which she states that all the patients who were with her died after being injected.

In the message, in a tearful voice, Gertrudis explains that she was also injected and shows resignation, because she knew that she would die like the others who were confined with her in that hospital.

The audio was posted on social media by the victim's cousin's husband, who calls on people with relatives in New York hospitals to be vigilant about how their relatives die.

#### 21.4.20 – MORE coronavirus propaganda: hundreds of fake NHS social media accounts set up – by Health Dept:

[https://voxppoliticalonline.com/2020/04/20/more-coronavirus-propaganda-hundreds-of-fake-nhs-social-media-accounts-set-up-by-health-dept/?shared=email&msg=fail&utm\\_referrer=https%3A%2F%2Fzen.yandex.com&utm\\_campaign=dbr](https://voxppoliticalonline.com/2020/04/20/more-coronavirus-propaganda-hundreds-of-fake-nhs-social-media-accounts-set-up-by-health-dept/?shared=email&msg=fail&utm_referrer=https%3A%2F%2Fzen.yandex.com&utm_campaign=dbr)

#### 21.4.20 – China furious as leading German newspaper writes out £130BN bill for 'coronavirus damages':

[https://www.express.co.uk/news/world/1271028/Angela-Merkel-Germany-China-coronavirus-blame-Wuhan-Xi-Jinping-Trump-latest?utm\\_referrer=https%3A%2F%2Fzen.yandex.com&utm\\_campaign=dbr](https://www.express.co.uk/news/world/1271028/Angela-Merkel-Germany-China-coronavirus-blame-Wuhan-Xi-Jinping-Trump-latest?utm_referrer=https%3A%2F%2Fzen.yandex.com&utm_campaign=dbr)

GERMANY has rattled China by joining the UK, France and the US in a rare attack, after Berlin called out Beijing's responsibility for the global pandemic and a leading newspaper issued a £130bn invoice.

Germany has sparked outrage in China after a Bild, the tabloid newspaper in the country, put together a £130bn invoice that Beijing "owes" Berlin following the impact of the coronavirus pandemic. Germany has followed France, the UK and the US in directing its coronavirus anger at China, where the virus originated. Recent attacks come amid findings that Beijing appeared to cover up the true scale of the crisis, as the source of the outbreak remains a mystery. ...

#### 20.4.20 – Coronavirus: Ofcom rules on Eamonn Holmes and David Icke comments:

<https://www.bbc.com/news/entertainment-arts-52358920>

Broadcasting watchdog Ofcom has "issued guidance" to ITV following Eamonn Holmes' comments about 5G technology and coronavirus on This Morning.

The regulator said Holmes' remarks had been "ambiguous" and "ill-judged".

Ofcom said they "risked undermining viewers' trust in advice from public authorities and scientific evidence".

The regulator also found local TV channel London Live in breach of standards for an interview it aired with David Icke about coronavirus.

Conspiracy theorist Icke, it said, had "expressed views which had the potential to cause significant harm to viewers in London during the pandemic".

- [Watchdog assesses Eamonn Holmes 5G comments](#)
- [Eamonn Holmes under fire over 5G comments](#)

On 13 April, in a segment with This Morning's consumer editor Alice Beer, Holmes cast doubt on media outlets that had debunked the myth that 5G causes coronavirus.

Beer, formerly a presenter on the BBC's Watchdog programme, said **the theory**, which has led to phone masts being set alight or vandalised, was **"not true and incredibly stupid"**.

"I totally agree with everything you are saying," said Holmes. "But **what I don't accept is mainstream media immediately slapping that down as not true when they don't know it's not true.**"

"No-one should attack or damage or do anything like that, but **it's very easy to say it is not true because it suits the state narrative,**" he continued.

Holmes was widely criticised for his comments, which he said had been "misinterpreted" on the following day's programme.

"For the avoidance of any doubt, I want to make it completely clear **there's no scientific evidence to substantiate any of those 5G theories,**" he continued. [Ed. Just 28,000 studies dealing with the biological effects of microwave radiation: <https://www.emf-portal.org/en> - The core of the EMF-Portal is an extensive literature database with an inventory of **31,043 publications and 6,716 summaries** of individual scientific studies on the effects of electromagnetic fields.]

Ofcom said it had taken this on-air statement into account, along with the "context" Beer had provided, before deciding to issue guidance to ITV "and its presenters".

"In our view, Eamonn Holmes' ambiguous comments were ill-judged and risked undermining viewers' trust in advice from public authorities and scientific evidence," it said.

"His statements were also highly sensitive in view of the recent attacks on mobile phone masts in the UK, caused by **conspiracy theories linking 5G technology and the virus.**"

"Broadcasters have editorial freedom to discuss and challenge the approach taken by public authorities to a serious public health crisis such as the coronavirus," it continued.

"However, discussions about unproven claims and theories which could undermine viewers' trust in official public health information must be put fully into context to ensure viewers are protected."

- [Ofcom 'urgently' probes Icke TV interview on virus](#)
- [YouTube tightens Covid-19 rules after Icke interview](#)

In a separate ruling, Ofcom said ESTV, owner of London-based TV channel London Live, had broken broadcasting rules by airing an interview with former footballer and TV presenter Icke.

It said the interview, recorded on 18 March and broadcast on London Live on 8 April, "included potentially harmful content about the coronavirus pandemic".

While not mentioning 5G by name, Icke referred to an "electro-magnetic, technologically generated soup of radiation toxicity" that he claimed had damaged old people's immune systems.

He also claimed that official health advice aimed at reducing the spread of the virus were being implemented to further the ambitions of a clandestine "cult", rather than to protect public health.

Ofcom said it was **"particularly concerned"** by Icke **"casting doubt on the motives behind official health advice to protect the public from the virus"**.

"These claims went largely unchallenged during the 80-minute interview and were made without the support of any scientific or other evidence."

The London Live programme was produced by a London-based independent company.

**London Live is owned by the Russian businessman Evgeny Lebedev, who also owns the Evening Standard and Independent newspapers.**

The channel will be required to broadcast a summary of Ofcom's findings and may face additional sanctions from the media regulator.

### Unfounded theories

Conspiracy theories linking 5G signals to the coronavirus pandemic continue to spread despite there being **no evidence the mobile phone signals pose a health risk.** [Ed. Just 28,000 studies dealing with the biological effects of microwave radiation: <https://www.emf-portal.org/en> - The core of the EMF-Portal is an extensive literature database with an inventory of **31,043 publications and 6,716 summaries** of individual scientific studies on the effects of electromagnetic fields.]

Fact-checking charity Full Fact [has linked the claims to two flawed theories.](#)

**One falsely suggests 5G suppresses the immune system, the other falsely claims the virus is somehow using the network's radio waves to communicate and pick victims, accelerating its spread.**

While 5G uses different radio frequencies to its predecessors, it's important to recognise that the waveband involved is still "non-ionising", meaning it lacks enough energy to **break apart chemical bonds in the DNA in our cells to cause damage.**

Earlier this year, scientists at the International Commission on Non-Ionizing Radiation Protection [completed a major study of related research into the topic.](#)

While it recommended slightly tighter limits on the transmitting capabilities of handsets themselves to minimise any chance of damage caused by human tissue being heated, **its key finding was that there was no evidence that either 5G networks or earlier systems could cause cancer or other kinds of illness.** [Ed. ICNIRP is lying: <https://microwavenews.com/news-center/time-clean-house>. The U.S. National Toxicology Program has found "clear evidence" that exposure to RF radiation can lead to cancer.]

The second theory appears to be based on the work of a Nobel Prize-winning biologist who suggested bacteria could generate radio waves.

But this remains a controversial idea and **well outside mainstream scientific thought**. In any case, Covid-19 is a virus rather than a bacteria.

There's another major flaw with both these theories. Coronavirus is spreading in UK cities where 5G has yet to be deployed, and in countries like Japan and Iran that have yet to adopt the technology. [Ed. **ALL wireless technology kills, not just 5G. 5G just kills faster. See health entries in article:** <https://www.globalresearch.ca/telcos-losing-battle-impose-5g/5691065>. **See interview for insight into ICNIRP and its lies:** <https://www.youtube.com/watch?v=VFykhsGII3w> (minute 17.14.)]

### **Backgrounder (UK): What is Ofcom?** <https://en.wikipedia.org/wiki/Ofcom>

Ofcom is a statutory corporation. In the **United Kingdom**, a statutory corporation is a **corporate body** created by **statute**. It typically has no shareholders and its powers are defined by the Act of Parliament which creates it, and may be modified by later legislation. Such bodies were often created to provide public services, examples including **British Railways**, the **Talylyn Railway**, the **National Coal Board**, **Post Office Corporation** and **Transport for London**. Other examples include the **county councils**, the **National Assembly for Wales**,<sup>[4]</sup> the **British Broadcasting Corporation** (BBC), **Channel Four Television Corporation**, and the **Olympic Delivery Authority**.<sup>[5]</sup> The phrase is not used to describe a company which operates as a conventional shareholder-owned company registered under the Companies Acts.

### **Telephone and broadband**

Ofcom regulates the UK telecoms sector, defining and enforcing the conditions by which all mobile and fixed-line phone and broadband companies must abide. These 'general conditions' are wide-ranging rules relating to matters such as telephone numbering, emergency services, sales, marketing and interconnection standards. Ofcom's investigation unit monitors compliance with the conditions and resolves disputes between providers.

### **Spectrum licensing and protection**

Ofcom is responsible for the management, regulation, assignment and licensing of the **electromagnetic spectrum** in the UK, and licenses portions of it for use in television and radio broadcasts, mobile phone transmissions, private communications networks, wireless devices and so on. The process of licensing varies depending on the type of use required. Some licences simply have to be applied and paid for, other commercial licences are subject to a bidding process. Most of the procedures in place have been inherited from the systems used by the previous regulators. However, Ofcom may change some of these processes in future.

Ofcom protects the radio spectrum in a number of ways:

- Working within international organisations (**ITU**, **CEPT** and **BEREC**).
- Licensing UK-controlled commercial radio spectrum; the **Ministry of Defence** controls its own spectrum. Within the international framework for frequency use; Ofcom liaises through the UK Government to produce the UKFAT (UK Frequency Allocation Table). The current table was produced in 2017.
- Investigate and, when necessary, carry out enforcement activities to clear interference or illegal use from the spectrum. Until June 2010 Ofcom investigated all interference cases within the UK. Interference reporting has now been transferred to the BBC. This contract specifically excludes any requirement to investigate interference relating to AM radio reception.<sup>[32]</sup> Commercial and spectrum licence holders report to Ofcom and in all cases illegal ("**pirate**") radio operations are still reported to Ofcom.

Ofcom licenses all UK commercial television and radio services in the UK. Broadcasters must comply by the terms of their licence, or risk having it revoked. Ofcom also publishes the

Broadcasting Code, a series of rules which all broadcast content on television and radio must follow.<sup>[22]</sup>

The [Digital Economy Act 2017](#) extended Ofcom's remit and powers. Ofcom were given powers concerning the minimum broadband speed provided by [Internet service providers](#), the ability to financially penalise communications providers for failing to comply with licence commitments and the power to require [public service broadcasters](#) to include a minimum quantity of children's programming made in the United Kingdom. The act also transferred to Ofcom the regulation of the [BBC](#), a duty previously undertaken by the [BBC Trust](#),<sup>[11][12]</sup> and updated the Ofcom Electronic Communications Code to make it easier for [telecommunications companies](#) to erect and extend mobile masts.<sup>[13]</sup>

Following a consultation over the [Online Harms White Paper](#) published by the [UK government](#) in April 2019, the government announced in February 2020 that it intended Ofcom to have a greater role in Internet regulation to protect users from "harmful and illegal content".<sup>[14]</sup>

Ofcom publishes a register of disclosable interests of the Ofcom board.<sup>[51]</sup>

#### **Sitefinder database and freedom of information**

The [Sitefinder database](#) is a national database of mobile phone base stations in the UK.<sup>[65]</sup> In September 2007 an Information Tribunal ruled that the public should have access to the database under the [Freedom of Information Act 2000](#).<sup>[66]</sup> However, as Ofcom has no legal power to force mobile phone operators to add information to the database, UK mobile phone operators consequently ceased updating it.<sup>[28]</sup> Ofcom appealed against the Freedom of Information Act ruling, together with one UK mobile operator – T-Mobile.<sup>[67]</sup> This has led to accusations of the organisation's complicity with the mobile telecommunications industry in keeping information about mast locations secret.<sup>[68]</sup> Ofcom's stated reasons for the appeal have ranged from "preventing terrorist attacks" on the sites of phone masts to "protecting the intellectual property" of the mobile telecommunications industry.<sup>[67]</sup>

Chairman: [Lord Burns](#)

Chief Executive: [Melanie Dawes](#)

Burns is a British economist, made a [life peer](#) in 1998 for his services as former Chief Economic Advisor and [Permanent Secretary](#) to [HM Treasury](#). He is currently Senior adviser to [Santander UK](#),<sup>[2]</sup> Non-Executive Chairman of [Glas Cymru](#), and a non-executive director of [Pearson Group plc](#). He is also President of the [National Institute of Economic and Social Research](#), President of the [Society of Business Economists](#), Ex Chairman of the Governing Body of the [Royal Academy of Music](#), and Ex Chairman of the [Monteverdi Choir and Orchestra](#) he is now Chairman of the Young Classical Artists Trust (YCAT). On 5 November 2009 he was announced chairman Designate of [Channel Four Television Corporation](#), succeeding [Luke Johnson](#), who retired on 27 January 2010 following six years in the post.<sup>[3][4]</sup>

*Paul Carter (18 October 2016). "Small cells and 5G: What the Digital Economy Bill changes mean for operators". Telecoms Tech. Retrieved 15 November 2016.*

#### **16.4.20 - 5G masts going up during lockdown:**

<https://www.youtube.com/watch?v=JMBSU6lbbKw&feature=youtu.be>

#### **20.4.20 - Elon Musk's Starlink satellites annoy stargazers:**

<https://www.thetimes.co.uk/edition/news/there-goes-the-night-sky-as-elon-musk-starlink-satellites-stream-across-heavens-gmp6b6lsb>

If you happened to glance up on a balmy evening over the weekend, you, like many others, may have noticed a train of strange bright lights soaring above.

After much conjecture, the illumination, seen from London to Leeds to Manchester, has been identified as the constellation Musk.

The lights were satellites belonging to SpaceX, a company owned by Elon Musk and they have heightened a rift between astronomers and the billionaire tech entrepreneur.

Mr Musk, also chief executive of Tesla, plans thousands of "Starlink" satellites to help to improve global internet coverage. Only 300 have been launched so far but he has approval to send 1,500 into low orbit as part of a planned constellation of 12,000. ...[\[Ec. actually it's 42,000\]](#)

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## RESISTANCE

### Song – Do You Hear the People Sing? From *Les Miserables*:

<https://www.youtube.com/watch?v=HaYNVOdyp-c>

Learn the words. If enough people learn them, you can hum them in public, find another dissenter and do a spontaneous flashmob (example: <https://www.youtube.com/watch?v=l0ca5Zbi9s0>)

Do you hear the people sing?  
Singing a song of angry men?  
It is the music of a people  
Who will not be slaves again!

Do you hear the people sing  
Lost in the valley of the night  
It is the music of a people  
Who are climbing to the light

When the beating of your heart  
Echoes the beating of the drums  
There is a life about to start  
When tomorrow comes!

For the wretched of the earth  
There is a flame that never dies  
Even the darkest night will end  
And the sun will rise.

Will you join in our crusade?  
Who will be strong and stand with me?  
Beyond the barricade  
Is there a world you long to see?  
Then join in the fight  
That will give you the right to be free!

They will live again in freedom  
In the garden of the Lord  
They will walk behind the plough-share  
They will put away the sword  
The chain will be broken  
And all men will have their reward!

Do you hear the people sing?  
Singing a song of angry men?  
It is the music of a people  
Who will not be slaves again!

Will you join in our crusade?  
Who will be strong and stand with me?  
Somewhere beyond the barricade  
Is there a world you long to see?

When the beating of your heart  
Echoes the beating of the drums  
There is a life about to start  
When tomorrow comes!

Do you hear the people sing  
Say, do you hear the distant drums?  
It is the future that they bring  
When tomorrow comes!

Will you give all you can give  
So that our banner may advance  
Some will fall and some will live  
Will you stand up and take your chance?  
The blood of the martyrs  
Will water the meadows of France!

Will you join in our crusade?  
Who will be strong and stand with me?  
Somewhere beyond the barricade  
Is there a world you long to see?

Do you hear the people sing?  
Singing a song of angry men?  
It is the music of a people  
Who will not be slaves again

Do you hear the people sing  
Say, do you hear the distant drums?  
It is the future that they bring  
When tomorrow comes!  
Tomorrow comes!  
Tomorrow comes!

When the beating of your heart  
Echoes the beating of the drums  
There is a life about to start  
When tomorrow comes

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## SPACE

**8.4.20 - Trump order encourages US to mine the moon:** <https://www.theguardian.com/us-news/2020/apr/07/trump-mining-moon-executive-order>

[Ed. Mining the moon is illegal under the Moon Agreement of 1979  
 (<https://www.unoosa.org/oosa/en/ourwork/spacelaw/treaties/intromoon-agreement.html>).  
 ]

#### Article 4

1. The exploration and use of the moon shall be the province of all mankind and shall be carried out for the benefit and in the interests of all countries, irrespective of their degree of economic or scientific development. Due regard shall be paid to the interests of present and future generations as well as to the need to promote higher standards of living and conditions of economic and social progress and development in accordance with the Charter of the United Nations.

2. States Parties shall be guided by the principle of co-operation and mutual assistance in all their activities concerning the exploration and use of the moon. International co-operation in pursuance of this Agreement should be as wide as possible and may take place on a multilateral basis, on a bilateral basis or through international intergovernmental organizations.

Executive order says US will oppose any international effort to bar it from removing chunks of moon, Mars or elsewhere in space

The world may be racked by the coronavirus, but Donald Trump has less earthly concerns on his mind, too, after signing an executive order encouraging the US to mine the moon for minerals.

The executive order makes clear that the US doesn't view space as a "global commons", opening the way for the mining of the moon without

any sort of international treaty.

"Americans should have the right to engage in commercial exploration, recovery, and use of resources in outer space," the order states, noting that the US had never signed a 1979 agreement known as the moon treaty. This agreement stipulates that any activities in space should conform to international law. In 2015, the US Congress passed a law explicitly allowing American companies to use resources from the moon and asteroids.

According to Trump's executive order, the US will object to any attempt to use international law to hinder its efforts to remove chunks of the moon or, should the opportunity arise, additional mining of Mars and "other celestial bodies".

The Trump administration's new zeal to commence the drilling of the moon is consistent with its enthusiastic support of mining back on Earth. The administration has opened up vast tracts of federal land for oil and gas drilling, with Trump rolling back various environmental laws in an attempt to revive the ailing coal industry.

Not all of the terrestrial drilling leases on offer have been taken up by fossil fuel companies, however, and it is uncertain what interest there is in the private sector to blast into space to mine the moon. The executive order states that the federal government will "require partnership with commercial entities to recover and use resources, including water and certain minerals, in outer space".

Trump has taken a consistent interest in asserting American power in space, forming the Space Force within the US military last year to conduct space warfare where needed. The president appeared to be confused about the composition of space, however, when he tweeted in June that Nasa "should be focused on the much bigger things we are doing, including Mars (of which the Moon is a part)."

It is unclear whether the president actually thinks the moon is a part of Mars but the two are in fact quite far apart – the moon, which orbits Earth, is around 238,000 miles away from our planet while Mars, which is itself a planet, is an average of 140m miles away from Earth.

**Reprise - 27.3.20 – Despite global pandemic — new Space Force launches billion dollar communications satellite:** <https://www.activistpost.com/2020/03/despite-global-pandemic-new-space-force-launches-billion-dollar-communications-satellite.html>

**27.2.20 - U.S. spent three times as much militarizing space than all other countries combined:** <https://southfront.org/u-s-spent-three-times-as-much-militarizing-space-than-all-other-countries-combined/>

One of the key issues that the Munich Security Conference looked at is an up and coming significant potential (and very likely) battlefield: space.

In its report, following the conclusion of the event, space is described as always being intertwined with geopolitics and military interests.

Currently, around the globe there are upwards of 2,000 satellites operated by approximately 75 countries.

"This "democratization" has been possible because space has long been viewed as a global commons – a domain that all states rely on and that requires cooperation to use safely." Established space powers like the United States have asserted that "space is no longer a sanctuary."

At the same time, it is specifically the US that has invested three times more in militarizing space than the remainder of the world combined.

The US and France are both hard at work at their respective "space forces."

NATO declared space an "operational domain."

But demonstratively gearing up for a "shooting war" in space may invite calamity rather than deter it: in 2007, one Chinese ASAT (anti-satellite) missile test alone spiked the amount of major debris in orbit by nearly 25%. While space agencies track over 20,000 pieces of debris, they estimate there are around 900,000 objects that could cause fatal collisions with satellites. Even a brief ASAT skirmish could therefore cause disastrous fallout for the entire orbital landscape.

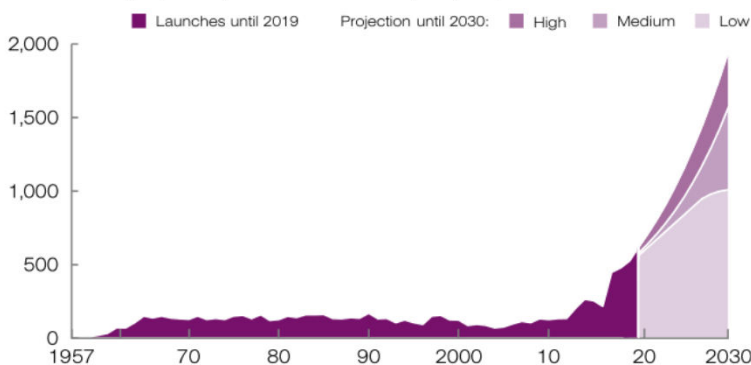
Effective arms control and a space "code of conduct" could head off some of these risks, but new international treaties have long been a nonstarter.

The United States, Russia, and China have been at odds over the basics of space arms control for years. A potential first step is banning destructive ASAT tests, or a consensus of some sort against attacking strategic warning systems in space.

The best outcome would be maintaining space as a "province of all mankind," in the spirit of the 1967 Outer Space Treaty.

The report also included graphs, presenting the expectations of much higher satellite launches in the future.

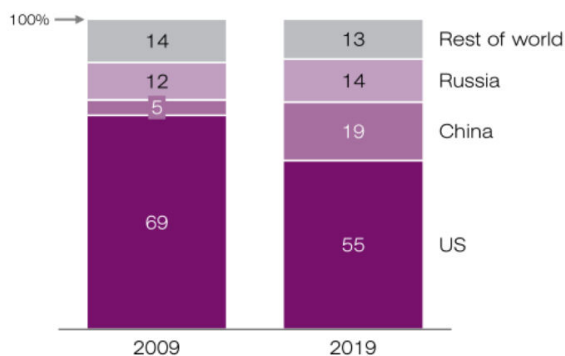
Number of (projected) satellite launches per year, 1957-2030



Source: German Aerospace Center (DLR), based on [space.skyrocket.de](http://space.skyrocket.de)<sup>17</sup>

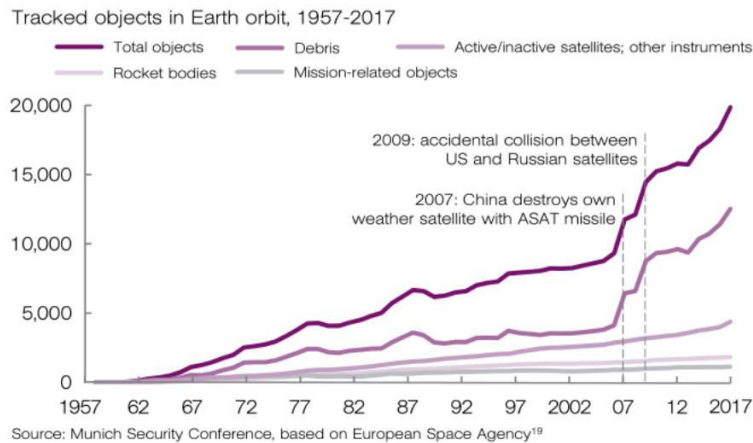
Then there's a graph presenting for the amount of militarization of the space the US has carried out, in comparison to Russia and China. Washington maintains that both Moscow and Beijing are attempting to rapidly militarize space and that is why it is needed to confront them.

Share of total mass of military satellites in Earth orbit, 2009 and 2019, percent



Source: Munich Security Conference, based on Union of Concerned Scientists<sup>18</sup>

And finally, the graph presents the number of objects in space that are being tracked, such as debris, and how they've spiked after an incident in space, or an event such as the Chinese ASAT test.



[Ed. The US used an anti-satellite weapon to destroy its own satellite on 14 February 2008. India destroyed its own satellite on 27 March 2019. On 15 April 2020, U.S. officials said Russia conducted a direct ascent anti-satellite missile test that could take out spacecraft in low Earth orbit. Interesting. The Starlink 5G satellites will be in the low and very low Earth orbits.]

### 12.3.20 - SpaceX “StarLink” satellite constellation reveals itself as tool of US military: <https://southfront.org/spacex-starlink-satellite-constellation-to-cooperate-with-us-military/>

Elon Musk’s SpaceX is hard at work launching satellites for its StarLink program.

In total, it will launch over 4,000 to low-Earth orbit where the mega-constellation will provide high-speed, low-latency internet to just about any location on Earth.

The FCC has given the green light for SpaceX to launch up to 12,000 satellites and paperwork has been filed with an international regulator that could open the door for over 40,000 satellites in total. Almost immediately after the first batch of 60 Starlink space routers launched last year, many were surprised by how reflective the satellites were, moving across the twilight sky in long, single-file trains, increasing UFO sightings and mucking up a lot of astronomical observations.

“We’ll take corrective action if it’s above zero (impacts),” Musk said. “We’re running a bunch of experiments.”

The idea is to have the satellites allegedly serve an entirely humanitarian and civilian purpose – provide high-speed internet.

However, that appears to be entirely contrary to the truth.

In February 2020, the US Air Force and SpaceX announced that they would collaborate for a live fire exercise on April 8<sup>th</sup>.

Air Force acquisition chief William Roper told reporters at the Pentagon that the Air Force and SpaceX will conduct an event on April 8, together with other branches of the U.S. military, that will see SpaceX Starlink satellites link up with multiple armed forces systems in a “massive” live fire exercise.

“SpaceX has been a great industry partner for us,” Roper said. “They are very excited and we are excited to learn more about their satellites through the demonstration.”

The demonstration will reportedly involve shooting down a drone and a cruise missile and will take place at several different sites including Marine Corps Air Station Yuma in Arizona to Eglin Air Force Base in Florida. The massive tests will also include ground forces, submarines, ships, and a variety of space-based assets.

The live fire exercise will be part of a larger test of the Advanced Battle Management System (ABMS), a new communications ecosystem designed to enable Joint All-Domain Command and Control (JADC2), allowing U.S. forces and allies to coordinate military operations in real-time across all domains, such as sea, land, air, space and cyber operations.

Roper said that his “hope for this event, unlike the first event, is that we have an equal measure of things that fail for things that succeeded.”

Roper has also said that the new ABMS system will help replace the aging, rickety fleet of E-8C Joint Surveillance Target Attack Radar System (JSTARS) command aircraft.

It will also add new capabilities that leverage the latest in machine learning, or artificial intelligence, to better predict what types of information users want from the system and more prominently push that information to them.

"We've come so far in ABMS that we realize that it's bigger than just replacing the capability that JSTARS provides," Roper said. "If you get ABMS right, you've just built the military's 'internet of things.'" That's super exciting."

Additionally, SpaceX will help the US military in Arctic communications.

The U.S. Air Force conducted initial tests, outside the Arctic, using commercial satellites. During a recent exercise a U.S. Air Force AC-130 plane connected with SpaceX's high-bandwidth Starlink satellites. Future demonstrations involving Iridium and OneWeb satellite constellations are planned.

#### **28.2.19 – US Air Force laying groundwork for future military use of commercial megaconstellations:** <https://spacenews.com/air-force-laying-groundwork-for-future-military-use-of-commercial-megaconstellations/>

The Air Force Strategic Development Planning and Experimentation office in December awarded SpaceX a \$28 million contract to test over the next three years different ways in which the military might use the company's Starlink broadband services.

WASHINGTON — The megaconstellations that promise to bring cheap broadband to the masses have drawn the military's attention. Commercial space internet provided by hundreds or thousands of satellites in low Earth orbit will become a reality in the next few years, and the Pentagon already is trying to figure out how it will buy and use these services. ...

#### **22.10.19 - Musk's satellite project testing encrypted Internet with military planes:** <https://www.reuters.com/article/us-spacex-starlink-airforce-idUSKBN1X12KM>

... Shotwell said the program, part of a \$28 million Pentagon contract awarded to SpaceX in late 2018, is ongoing and expects to test Starlink with "a number" of additional military aircraft types. That contract also includes testing communications between satellites in orbit. ...

#### **5G As a Military Weapon – Some Evidence Compiled in September 2019**

##### **5G WARNING ~ FCC Chair Tom Wheeler's speech supporting 5G**

<https://www.youtube.com/watch?v=22QlpjXR6DY>

"Stay out of the way of technological development!"

"Turning innovators loose is far preferable to expecting committees and regulators to define the future. We won't wait for the standards."

(2.12) "**Many of the high-frequency bands that we will make available for 5G currently have some satellite users, as well as some defense department applications,** or at least the possibility of future satellite and defense users. This means sharing will be required between satellite and terrestrial wireless, an issue that is especially relevant in the 28 GHz band."

Delos, Peter. "The Way to a New Phased Array Radar Architecture." TechTime: Electronics & Technology News. January 15, 2018. Accessed January 1, 2019. <https://techttime.news/2018/01/15/analog-devices-phased-array-radar/>. "Although there is a lot of discussion of massive MIMO and automotive radar, **it should not be forgotten that most of the recent radar development and beamforming R&D has been in the defense industry, and it is now being adapted for commercial applications.** While phased array and beamforming moved from R&D efforts to reality in the 2000s, **a new wave of defense focused arrays are now expected, enabled by industrial technology offering solutions that were previously cost prohibitive.**"

*Open content from strategyanalytics.com – military overlap with 5G/satellite expansion, Points to note are highlighted.*

#### **► Electronic Warfare and Military Communications Riding the Millimeter-wave**

by Asif Anwar | Apr 22, 2016

Electronic Warfare and military communications will continue to be a pivotal resource in-theatre with future architectural designs dictated by factors such as the need to optimise SWaP-C (size, weight, power, cost), changing demands from in-theatre and the ability to make effective use of spectrum which is an increasingly limited resource.

For military communications, the use of millimetre-wave technologies has been driven by satellite communications. Conventional frequencies used for military satellite communications have traditionally been segmented along UHF, L-band and C-band with X-band frequencies and Ku-band representing the highest frequencies of operation for military satellite communications.

In 2014-2015, Strategy Analytics estimated that these traditional frequency bands accounted for 77% of military satellite terminal communications across the land, air and sea domains. As use across these frequencies has increased over the past 20 years, the available spectrum has shrunk and the resulting cost of military satellite communications has increased in line with increasing capacity constraints. As a result, defense departments have increasingly relied on leasing or sharing commercial spectrum to keep up with the demand for connectivity.

The demand for spectrum continued to increase especially in asymmetric theatres where intelligence enable through ISR missions enabled using UAS platforms also rose, driving additional demand for BLOS datalinks. Consequently, military satellite communications have had to use expensive high functionality solutions over X-band as well as Ku-band.

Millimeter-wave frequencies at Ka-band started to underpin usage providing another avenue to meet the demand for military satellite connectivity, bringing a number of benefits including:

- Higher upload and download data rates
- Better spectral efficiencies
- Less congestion in the spectrum band
- Lower bandwidth costs for the user

This focus on millimetre-wave frequencies will increase over the next ten years with Ka-band forecast to account for almost 30% of the military satellite communications by 2024.

However, the move to Ka-band will not translate into a move away from existing infrastructure so future military satellite terminals will increasingly focus on being able to support multiple bands, usually by having interchangeable BUCs [block-up convertor] and LNBs [low noise block] [both of these devices BUC and LNB are used in VSAT transmission systems for relaying voice/data via satellite to larger portion of the earth] to allow the user to take advantage of the respective satellite signal frequency available at a given location. This will translate into multi-band terminals that house multiple RF chains designed to handle the respective signals. At the same time, the emphasis on enabling the warfighter to have COTM [communications-on-the-move] capabilities will maintain pressures to have systems that support portability in terms of both size and power consumption.

This has already translated into moves by companies such as Advantech Wireless towards GaAs-based solutions, and this is now being supplemented by trends towards GaN-based SSPB/BUC [<https://www.rfwireless-world.com/Terminology/Difference-between-GaN-and-GaAs-Power-Amplifiers.html>] products that enable higher power, wider bandwidth and higher frequency performance while also allowing terminal sizes to shrink. Moving forwards, it is conceivable that the capabilities of GaN-based RF will enable wideband solutions to cover a range of frequencies without compromising on performance and thus enable satellite communication terminals to shrink even further.

Of course, as millimetre-wave frequency use at Ka-band becomes more prolific (especially as the commercial market also looks to take advantage), congestion in this spectrum will also increase. We can expect moves towards higher frequencies to be initiated with Q- and V-bands [these are higher mmwaves] being the next primary targets for consideration. Northrop Grumman introduced the Q-band APN167 GaN MMIC in 2012 offering 3.5W of output power and 20 dB of linear gain for the military SatCom sector, as well as other applications.

The need for wideband performance across the spectrum including millimetre-wave frequencies is a core requirement for electronic warfare. US senators recently introduced the Electronic Warfare Enhancement Act [\*\*see note at end] to refocus US EW efforts, finally recognizing the fact that the ability to control and make effective use of spectrum is essential to enable operations in a spectrum environment that is increasingly congested and contested.

Traditionally, the role of the EW system has been segmented with the Electronic Attack (EA) or Electronic Warfare Support (EWS) system designed to monitor, protect and mitigate specific RF operations, e.g. communications or radar. With communications jamming and COMINT/DF requirements typically not extending beyond S-band, while radar jammers could be required to go as high as Ka-band if designed to disable missile threats that featured radar seekers.

Trends driving spending on the Electronic Warfare (EW) sector will be underpinned by the need to control an ever increasing complex spectrum environment, countering modern frequency agile radar systems and network-based IP-centric communications in conventional symmetric warfare scenarios, as well as combatting asymmetric threats from improvised explosive devices. In both cases, the frequencies that need to be combatted are expanding and in the case of radar systems,

the frequency agility will negate the traditional use of threat libraries, so future systems will need to employ flexible wideband materials that can enable cognitive analysis of the threat environment to effectively control the electromagnetic spectrum.

RF-based Electronic Attack (EA) system design for applications such as radar, communications and RCIED (radio controlled improvised explosive device) jamming see an increasing emphasis towards systems that can support multi-band and/or wideband operation to combat the increasingly complex spectrum environment. While the need for high power RF transmitters for applications such as long-range jamming will mean vacuum tube-based solutions will continue to dominate, programs such as the US-based Next Generation Jammer (NGJ) and Surface Electronic Warfare Improvement Program (SEWIP) will point to a future direction of architectural design that will be underpinned by AESAs and leverage the advantages of wideband materials such as GaN and digital RF memory (DRFM) capabilities.

For RF-based EWS systems such as RWRs (Radar Warning Receivers), DF/COMINT (Direction Finding and Communications Intelligence) and ESM/ELINT (Electronic Support Measures and Electronic Signals Intelligence) this will be underpinned by an emphasis on direct and fast digital synthesis of the RF signals across the full breadth of the frequency spectrum, effectively digitizing the RF as close to the antenna signal as possible. This will drive demand for wideband solid state RF component technologies that can be coupled with higher performing wider bandwidth digital receivers.

Strategy Analytics will be in San Francisco where we will host our annual analyst event at IMS 2016 to share more insights into how **the next generation of military (as well as commercial) systems will "ride the millimeter-wave"**. Before that, we'll be attending the AOC Electronic Warfare Europe 2016 conference taking place on May 10-12 in Rotterdam, The Netherlands, where I look forward to discussing the challenges that will shape the future outlook for electronic warfare markets.

#### ► **RF and Millimeter-wave Technologies Underpinning Smart Weapons Sector Growth**

by Asif Anwar | Jun 21, 2016

Strategy Analytics forecasts the global Smart Weapons (SW) market will grow to over \$41.8 billion in 2025, representing a CAGR of 3.7%. A renewed emphasis on advancing Smart Weapon capabilities to counter evolving threats such as A2/AD (anti-access Area Denial) envelopes, combined with on-going demand from asymmetric wars and continued force modernizations in emerging countries is driving spending across the full range of Smart Weapons. The Strategy Analytics Advanced Defense Systems (ADS) service series of Smart Weapon (SW) forecasts, outline global defense expenditure trends segmented on a regional basis before breaking out the expected spend on Smart Weapons incorporating subsystems, hardware, support and related services across the land, air and naval domains.

- **The squeeze on military budgets particularly in the Western countries as well as technology advances are translating to adoption of fewer but more capable new Smart Weapon platforms across domains.**
- The total number of Smart Weapon shipments is forecast to grow at a CAGR of 3.5% through 2025 to reach 162,943 units.
- The associated market for Smart Weapon subsystems such as navigation and guidance, target seekers, datalinks, fuzes etc. will grow from \$9.3 billion in 2015 to \$13.4 billion...

... **RF and millimeterwave technologies underpin a range of Smart Weapon subsystems** enabling navigation and guidance, fusing, target seekers and this will support a number of the key trends driving towards enhanced capability platforms over the next ten years. These include advances in datalinks, guidance and multi-mode target seeking systems enabling networked and automated missiles. With BLOS (Beyond line of sight) datalinks, **MMW (Millimeterwave) radar target seeker**, digital processors and advanced target recognition algorithms, missiles are increasingly able to communicate among themselves, change course with the position of a shifting target and reassign themselves to new targets.

The Navigation and Guidance System (NGS) subsystem on smart weapons guides the projectile throughout its flight course to the target area. RF-based systems include the use of GPS, which provide precise and cost-effective NGS without the need for pre-recorded information (unlike Terrain Referenced Navigation (TRN) systems). However, the propensity for enemy interference/jamming, and limited performance in tunnels/restricted areas means that GPS-based guidance is often used in conjunction with other NGS systems.

However, it is radar-based systems that represent the largest use of RF/MMW-based technologies in the NGS subsystem. Most SAMs (surface to air missiles) and long range SSMs (surface to surface missiles including both ballistic and cruise missile including anti-ship missiles) use radar as the primary means of guidance; collectively radar-based SWs represent the second largest segment of the SW market. Radar guidance can be either Active or semi-active. In active radar guidance the missile contains a radar transceiver whereas in semi-active radar guidance the missile uses only a receiver to find and track the target.

- Semi-active radar guidance enables “fire and forget” capability as the missile works autonomously during the terminal phase.
- Using an active radar transmitter as the target seeker means the launch platform does not need to guide the missile anymore and is free to conduct other maneuvers.

A Target Seeker (TS) subsystem, also sometimes known as a Terminal Seeker, is normally found in medium to long range missiles, and used in combination with the NGS, for better identification and striking of the target using Active Radar (MMW), Laser, IR/IIR (Infrared/Inverse Infrared) and Acoustic/magnetic seeker technologies. Radar-based target seeker subsystems account for almost 50 percent of the target seeker subsystem market for smart weapons.

**Moving forwards, directed energy weapons (DEW) will fundamentally change how future battles are fought while also providing significant savings on expensive conventional munitions, particularly in the air and missile defence (AMD) role.**

There are simultaneous developments going on around electromagnetic pulsed weapons and high power microwave (HPM) payloads, as well as Laser weapons systems. Strategy Analytics predicts that these weapons will begin to be part of an advanced military's arsenal over the next ten years. We however envisage that introduction of such disruptive weapons will require fundamental adaptations in organization, training, concepts of operation and doctrine across all domains of the armed forces, resulting in a slower initial uptake of the systems and maintaining the current demand for RF and millimeter-wave technologies across navigation and guidance and terminal seeker applications.

#### ► **What can 5G learn from the Military Communications Market?** *(Excerpts)*

by Asif Anwar | Jan 22, 2018 **A range of crossover technologies will become common across both commercial and military communications networks and devices**

Boston, MA - January 22, 2018 - Software defined architecture, solid-state technology, radio-satellite communications-wireless network integration as well as communicating voice and data/video simultaneously and securely in an increasingly complex spectrum environment will underpin growth for military communications systems and the associated component and semiconductor demand. The Strategy Analytics Advanced Defense Systems (ADS) service report, “Military Communications Market Outlook 2016 - 2026,” forecasts spending on global military communications systems and services will grow to over \$36.7 billion in 2026, a compound annual growth rate of 3.5%.

Military communications operate under an umbrella of heterogeneous networks that enable the provision of interoperable voice, video and data services across a global environment, segmented according to security policies, transmission requirements and the individual needs of the end user.

**In terms of the networked battlespace**, this can be summarized as:

- Upper level networking, consisting of infrastructure and networking components;
- Mid-level networking providing high capacity backhaul;
- Support to the tactical edge for end-users and sensors

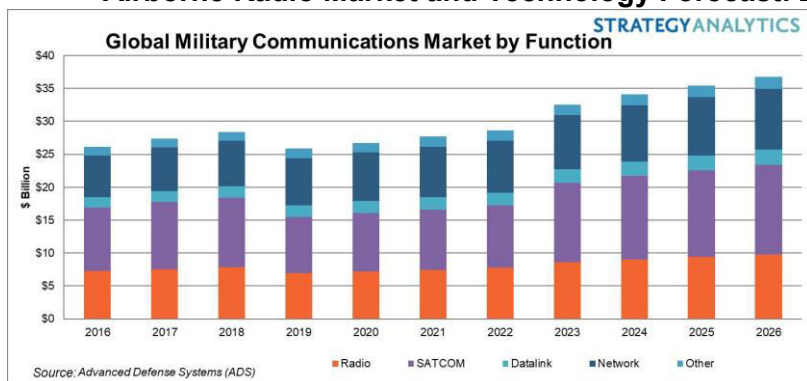
“In a similar fashion, **5G serves as an aggregator technology that will encompass a range of network types and technologies to serve both traditional voice, video and data requirements to the end-user**, as well as opening up capabilities to enable connectivity across devices including vehicles, machines, sensors and devices,” notes **Eric Higham, North American Director for ADS** *[Advanced Defense Systems]*.

**Phased arrays, beam forming, millimeter-wave frequencies, satellite communications, Gallium Nitride, duplex communications and shared spectrum access are amongst the crossover technologies that will become common across both commercial and military communications.**

**\*\*Note:** EM weapons bill 2016 ([full pdf at congress.gov](https://www.congress.gov)) includes “progress on increasing innovative electromagnetic spectrum warfighting methods”. There is no specific mention of satellites or mmwaves; a committee was tasked with creating a strategy.

The underlying numerical data is available in the **Global Communications Market Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/global-military-communications-market-forecast-2016---2026>) forecast data model that looks at the total military communications sector comprising radio and satellite terminals systems, as well as networks, datalinks and other communications systems. The report also details the resultant demand for semiconductor components, based on an assessment of market and technology trends. Supporting data models that focus on the military radio and satellite terminal sectors to complete this suite of information are:

- **Global Radio Market and Technology Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/global-military-radio-market-and-technology-forecast-2016---2026>)
- **Land Radio Market and Technology Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/land-military-radio-market-and-technology-forecast-2016---2026>)
- **Airborne Radio Market and Technology Forecast: 2016 -**



**2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/airborne-military-radio-market-and-technology-forecast-2016---2026>)

- **Shipborne Radio Market and Technology Forecast: 2016 -**

**2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/shipborne-military-radio-market-and-technology-forecast-2016---2026>)

- **Global Satellite Terminals Market and Technology Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/global-military-satellite-terminal-market-and-technology-forecast-2016---2026>)
- **Land Satellite Terminals Market and Technology Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/land-military-satellite-terminal-market-and-technology-forecast-2016---2026>)
- **Airborne Satellite Terminals Market and Technology Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/airborne-military-radio-market-and-technology-forecast-2016---2026>)
- **Shipborne Satellite Terminals Market and Technology Forecast: 2016 - 2026** (<https://www.strategyanalytics.com/access-services/components/defense/market-data/report-detail/shipborne-military-radio-market-and-technology-forecast-2016---2026>)

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## SOLUTIONS / INSPIRATION (ongoing)

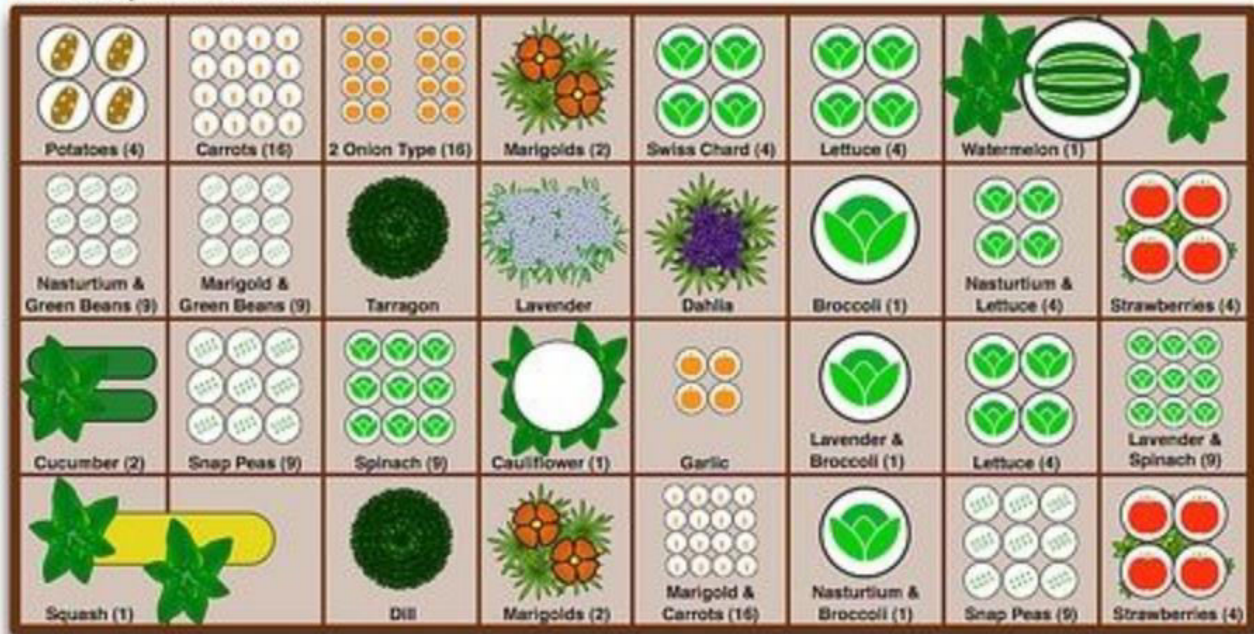
**We are all in this together: the frequency of love | David Icke:**

[https://www.youtube.com/watch?time\\_continue=3&v=gfka6Afey5U&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=3&v=gfka6Afey5U&feature=emb_logo)

### 13.4.20 - Preparedness: How to begin “square foot” gardening:

[https://www.naturalblaze.com/2020/04/preparedness-how-to-begin-square-foot-gardening.html?utm\\_source=Activist+Post+Subscribers&utm\\_medium=email&utm\\_campaign=b4f42cc330-RSS\\_EMAIL\\_CAMPAIGN&utm\\_term=0\\_b0c7fb76bd-b4f42cc330-388367887](https://www.naturalblaze.com/2020/04/preparedness-how-to-begin-square-foot-gardening.html?utm_source=Activist+Post+Subscribers&utm_medium=email&utm_campaign=b4f42cc330-RSS_EMAIL_CAMPAIGN&utm_term=0_b0c7fb76bd-b4f42cc330-388367887)

Planted Square Foot Garden



### 18.4.20 - New technology could allow you to “hack” your dreams and control lucid dreaming:

[https://www.wakingtimes.com/2020/04/18/new-technology-could-allow-you-to-hack-your-dreams-and-control-lucid-dreaming/?utm\\_source=Waking+Times+Newsletter&utm\\_medium=email&utm\\_campaign=16aa00c384-RSS\\_EMAIL\\_CAMPAIGN&utm\\_term=0\\_25f1e048c1-16aa00c384-54797653](https://www.wakingtimes.com/2020/04/18/new-technology-could-allow-you-to-hack-your-dreams-and-control-lucid-dreaming/?utm_source=Waking+Times+Newsletter&utm_medium=email&utm_campaign=16aa00c384-RSS_EMAIL_CAMPAIGN&utm_term=0_25f1e048c1-16aa00c384-54797653)

Jake Anderson - MIT scientists are building a wearable device that allows you to "hack" your dreams.

**Steven Whybrow: Navigating the matrix with natural law principles (episode 1) - the power of emotional intelligence:** <https://www.youtube.com/watch?v=YY9vWOpGpZM>

**Steven Whybrow: Navigating the matrix with natural law principles (episode 2) - the Icke-onic factor:**

<https://www.youtube.com/watch?v=RMeWKOMikL0&feature=youtu.be&fbclid=IwAR3B8M9rrrYJEHxe51vFW0loheiJohPCuHnZpFQT4OxbkzoUaJJbzqyoCYo>

**LondonReal Brian Rose – Reconnect:** <https://londonreal.tv/reconnect-the-movie/AJourneywithAyahuasca>

**Reconnect** is London Real's fifth feature-length documentary film and documents Brian Rose's journey to Costa Rica where he participates in multiple ceremonies with the plant medicine **Ayahuasca**. The movie stars **Graham Hancock, Dr. Jordan Peterson, Dennis McKenna, Sadhguru, Dorian Yates, Dr. Gabor Mate, Dr. Joe Dispenza, Michael Pollan, and Dan Pena.**

As the founder and host of London Real, **Brian Rose has spoken to over 600 of the greatest minds on the planet** for the past eight years including **Dan Peña, Dan Bilzerian, Robert Kiyosaki, Jocko Willink** and more.

**Watch Reconnect now and share in Brian's story** through his Ayahuasca ceremony and beyond to his integration exclusively here on London Real.

#### 13.4.20 - Our plan vs. His plan -- Ole Dammegard:

<https://www.youtube.com/watch?v=obiATvDSNcQ>

**13.4.20 – London Real - Dr. Joe Dispenza: Create a wall of armour for your immune system: how to protect against Covid-19:** [https://londonreal.tv/create-a-wall-of-armour-for-your-immune-system-how-to-protect-against-covid-19-dr-joe-dispenza/?\\_\\_s=4vcvldwq35c2krzmpkj&utm\\_source=drip&utm\\_medium=email&utm\\_campaign=2020-04-13+Joe+Dispenza+LIVE&utm\\_content=Going+LIVE+with+Dr.+Joe+Dispenza%21%C2%A0](https://londonreal.tv/create-a-wall-of-armour-for-your-immune-system-how-to-protect-against-covid-19-dr-joe-dispenza/?__s=4vcvldwq35c2krzmpkj&utm_source=drip&utm_medium=email&utm_campaign=2020-04-13+Joe+Dispenza+LIVE&utm_content=Going+LIVE+with+Dr.+Joe+Dispenza%21%C2%A0)

**6.4.20 - How Beautiful Do You Want Your Future After 'COVID-19' Coronavirus Ole Dammegard Interview:** <https://www.youtube.com/watch?v=yc1ok0bAlhQ>

#### Documentary: The Connected Universe:

<https://www.documentarymania.com/player.php?title=The+Connected+Universe>

For those of us who may not have had a chance yet to see this documentary it is well worth the watch as a reminder how mentally, spiritually, physically, emotionally and scientifically connected in the greater macro and micro quantum universe. It's one of the best one's I've seen explaining a larger, more wholistic view of unified sciences, theories and research.

The Resonance Foundation has also opened all their online courses and programs for FREE given the current circumstances mankind is facing...

#### [The Connected Universe](#)

This fascinating journey of exploration of the connection of all things in the Universe is narrated by the legendary Sir Patrick Stewart. With the lens of science, the film reveals the mechanism linking everything in the cosmos.

Related Searches: [Science](#), [Physics](#), [Culture](#), [Ideas and Movements](#), [Quantum](#), [Einstein](#), [Nassim Hamein](#), [Max Planck](#),

<https://www.documentarymania.com/player.php?title=The+Connected+Universe>

If you're interested in learning more about the "Connected Universe" & "Quantum Unified Sciences" and the profound quantum sciences discovered behind it, that unfortunately today's present text books in our industrialized society just cant keep up with, well then take a step forward today and brush up on your cosmic connection here through a series of collective minds sharing their collective insights together!

This is truly a precious gift to the people of the world - "Thank You Nassim and Team at The Resonance Foundation"

<https://www.resonancescience.org/>

**30.1.09 - Courage is infectious: I'm Spartacus:** [https://www.youtube.com/watch?v=-8h\\_v\\_our\\_Q](https://www.youtube.com/watch?v=-8h_v_our_Q)

**2.5.06 – Article: Beyond Hope By Derrick Jensen:** <https://orionmagazine.org/article/beyond-hope/>

... When we realize the degree of agency we actually do have, we no longer have to "hope" at all. We simply do the work. We make sure salmon survive. We make sure prairie dogs survive. We make sure grizzlies survive. We do whatever it takes.

When we stop hoping for external assistance, when we stop hoping that the awful situation we're in will somehow resolve itself, when we stop hoping the situation will somehow not get worse, then we are finally free — truly free — to honestly start working to resolve it. I would say that when hope dies, action begins.

PEOPLE SOMETIMES ASK ME, "If things are so bad, why don't you just kill yourself?" The answer is that life is really, really good. I am a complex enough being that I can hold in my heart the understanding that we are really, really fucked, and at the same time that life is really, really good. I am full of rage, sorrow, joy, love, hate, despair, happiness, satisfaction, dissatisfaction, and a thousand other feelings. We are really fucked. Life is still really good.

Many people are afraid to feel despair. They fear that if they allow themselves to perceive how desperate our situation really is, they must then be perpetually miserable. They forget that it is

possible to feel many things at once. They also forget that despair is an entirely appropriate response to a desperate situation. Many people probably also fear that if they allow themselves to perceive how desperate things are, they may be forced to do something about it. ...

#### **9.4.20 - Robert Steele: Holistic Appraisal of Health Solution for Virus:**

<https://phibetaiota.net/2020/04/robert-steele-holistic-appraisal-of-health-solution-for-virus/>

Argyrol has been in clinical use for over 118 years and was in hospitals and pharmacies. first aid kits and most home medicine cabinets until about 25 years ago.

Argyrol is immediate to manufacture and market in all jurisdictions [according to Pat Smith who was the Glaxo-Smith Klein Technical Director for South Africa].

In it's heyday Argyrol had multiple headquarters in the United States, Great Britain, Australia and South Africa; to all appearance Argyrol was ubiquitous. Argyrol ships through customs globally without impediments.

Argyrol is recognized as not new nor alternative and for that reason, can be used off-label [being tested now in Kenya against HIV by doctors and public health personnel at their request].

Christine the owner has used this drug personally to nebulization four years. The dosage was over 2.5mLs daily. The same dosage amount after four years was administered rectally for an additional year.

Daily administration of Argyrol resulted in no heavy metal toxicity, no staining of my mucosa of my throat and absolutely no other reactions of discomfort or irritation to rectal tissue from daily administration of Argyrol at all. She was monitored by her physicians with blood tests and PET scans with no irregularities observed.

The only first reaction was the Jarisch Herxheimer (Healing crisis) which subsided within a few days.

Were there to be bottles of OTC Argyrol Anti-Infective in the hospital pharmacies for respiratory wards, in the pharmacies and everywhere else as there was less than 25 years ago, there would be no global fear gripping individuals without ANYTHING to militate against pandemic pathogens engaging with their bodies on their mucous membranes, for God's sake and definitely no reason to shut down the entire global economy for 'the pestilence that stalks in darkness' noted in Psalm 91:6. How do we look after 25 years without OTC Argyrol? I rest my case.

#### **30.11.03 – Robert David Steele - Review: The Tao of Democracy–Using Co-Intelligence to Create a World That Works for All: <https://phibetaiota.net/2003/11/the-tao-of-democracy-using-co-intelligence-to-create-a-world-that-works-for-all/>**

Tom Atlee, the author of this book, gets credit for defining a "bottom up" approach that is sensible and implementable. This book focuses on what comes next, after everyone gets tired of just "meeting up" or "just blogging." This book is about collective intelligence for the common good, and it is a very fine book.

#### **From: The Handbook for the New Paradigm:**

"Remember that we are not to consider the actions or the reactions of the other side. We are going to be dreaming within little known possibilities; therefore all things are possible. The contingent plans of the other side can only work in their known reality. You are going to be setting up a reality that is far outside anything that they have even considered. It is this level of creativity that we are striving to encourage you to reach...Remember your imagination is the entry point to the "mind of God" which is infinite potentiality. The invocation of His Presence when "two or more are present," is true to a degree you limited ones have not yet perceived."

#### **Mark Passio – The “Lost” Principle Of Care:**

<https://lovetruthsite.wordpress.com/2016/09/25/mark-passio-the-lost-principle-of-care-2/>

#### **Birth of a New Earth - A Vision for the Future: <https://www.birhofanewearth.com/1/a-vision-for-the-future/>**

#### **Coronavirus free breathing exercises by Patrick McKeown:**

<https://www.youtube.com/watch?v=AiwrtgWQeDc>

**Wim Hof's tips for Covid-19 quarantine:** <https://www.youtube.com/watch?v=HFPjKxiXORU>

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## **SURVEILLANCE / PRIVACY**

**Fascistic Scott Morrison hints that a tracing app could be compulsory for all Australians if fewer than 40% download it voluntarily - are you getting it Aussie?:**

<https://www.dailymail.co.uk/news/article-8228217/Scott-Morrison-hints-tracing-app-mandatory-Australians-exchange-lifting-lockdown.html>

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## **VACCINATIONS**

**20.9.18 - Dr Judy Mikovits PHD fired, jailed and broke for proof of vaccine injuries:**

<https://www.youtube.com/watch?v=MBEI48og9mM&feature=youtu.be>

**28.3.20 - Plague of corruption and we must know there are real solutions w/ Dr Judy Mikovits (2of2):** [https://www.youtube.com/watch?v=fxMrP\\_WLDns](https://www.youtube.com/watch?v=fxMrP_WLDns)

Whistleblower who was jailed for what she witnessed in terms of contaminated vaccinations.

### **FROM A CORRESPONDENT**

Testimony of Dr Peter Hotez to the US Senate in March where he points out the lack of funding and how very unsuccessful previous attempts at SARs vaccines have been <https://science.house.gov/imo/media/doc/Hotez%20Testimony.pdf>. He is very pro-vaccines. His testimony is a useful contrast to the billions that Bill Gates has spent - to zero effect [apart from causing massive harm].

**Informational document in French on vaccines:** <http://c.21-bal.com/buhgalteriya/1195/index.html>

The document below is downloadable from: [https://fonds-josefa.org/wp-content/uploads/2019/11/Certificat\\_expertise\\_aluminium.pdf](https://fonds-josefa.org/wp-content/uploads/2019/11/Certificat_expertise_aluminium.pdf)

**L'aluminium étant un médicament toxique mortifère, son administration à l'homme est formellement interdite**

Professeur Jean-Bernard FOURTILLAN

Ingénieur chimiste, Professeur honoraire de Chimie thérapeutique et Pharmacocinétique,  
Expert Pharmacologue - Toxicologue spécialisé en Pharmacocinétique auprès de l'AFSSAPS (devenue ANSM)

### **Certificat d'expertise des vaccins contenant de l'aluminium**

La promulgation par la FDA, en 1989, reprise par l'OMS, en 1996, de la Dose minimale Toxique de l'aluminium alimentaire, par voie orale, déclare :

**Dose minimale Toxique de l'aluminium par voie orale :**  
**1 mg / kg de poids corporel / jour \***

Il s'agit d'un commandement de l'OMS, au-dessus de toutes les lois, **qui interdit formellement l'administration à l'homme de tous les vaccins contenant de l'aluminium**. Car cette Dose minimale Toxique de l'aluminium par voie orale a été calculée à partir de la valeur de la Dose minimale Toxique égale à 0,01 mg d'aluminium / kg de poids, dans l'organisme, pour une absorption par voie orale (passage du tractus gastro-intestinal dans l'organisme) égale à 1 p. cent de la dose d'aluminium administrée par voie orale. En conséquence :

**Dose minimale Toxique de l'aluminium dans les vaccins :**  
**0,01 mg / kg de poids corporel**

Fait à Poitiers, le 20 novembre 2019



Professeur Jean-Bernard Fourtillan  
Expert Pharmacologue - Toxicologue spécialisé en Pharmacocinétique

**Ce certificat d'expert permet à toute personne qui en est porteuse, pour elle-même ou ses enfants, de refuser l'administration de tous les vaccins contenant de l'aluminium, car ils sont mortifères**

\* : Cette Dose minimale à Risque a été confirmée par 4 membres de l'Académie nationale de Médecine, dans l'article du Bulletin de l'Académie nationale de Médecine du 26 juin 2012 (Pierre BEGUE, Marc GIRARD, Hervé BAZIN, Jean-François BACH – Les adjuvants vaccinaux : quelle actualité en 2012 ? *Bull. Acad. Natle Méd.*, 2012, 196, n°6, 1177-1181, séance du 26 juin 2012). Ils en ont fait un mauvais usage, malheureusement pour toutes les personnes vaccinées, victimes de leur incompétence.

**L'aluminium étant un médicament toxique mortifère, son administration à l'homme est formellement interdite**

**Starts 22 April 2020 - The Truth About Vaccines Educational Series with 60 experts:**

<https://go.thetruthaboutvaccines.com/?ref=c164057b-c7e0-49f9-9b4d-8d450f604dbc>

It all begins April 22<sup>nd</sup> at 9pm Eastern. We'll be airing one episode each day for 9 days, so you'll need to tune in each night to see it.



APRIL						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			<b>22 Episode 1</b> <i>The History of Vaccines, Smallpox, Vaccine Safety &amp; the Current CDC Schedule</i> <b>Airs @ 9pm ET</b>	<b>23 Episode 2</b> <i>What's in a Vaccine? Are Vaccines Effective? ... and ... What About Polio?</i> <b>Airs @ 9pm ET</b>	<b>24 Episode 3</b> <i>An Analysis of the MMR &amp; DTaP Vaccines &amp; Vaccinating for the Greater Good</i> <b>Airs @ 9pm ET</b>	<b>25 Episode 4</b> <i>Examining Influenza, the HIB and Pneumococcal Vaccines &amp; Herd Immunity</i> <b>Airs @ 9pm ET</b>
<b>26 Episode 5</b> <i>Considering the HPV and Hepatitis B Vaccines, SIDS &amp; Shaken Baby Syndrome</i> <b>Airs @ 9pm ET</b>	<b>27 Episode 6</b> <i>A Closer Look at the CDC, Chicken-Pox and Rotavirus Vaccines &amp; Retroviruses</i> <b>Airs @ 9pm ET</b>	<b>28 Episode 7</b> <i>Natural Immunization, Homeoprophylaxis &amp; Fundamental Freedom of Choice</i> <b>Airs @ 9pm ET</b>	<b>29 Episode 8</b> <i>Censorship &amp; Suppression</i> <b>Airs @ 9pm ET</b>	<b>30 Episode 9</b> <i>W.H.O.'s Not Telling the Truth?</i> <b>Airs @ 9pm ET</b>	1	2

### Episode 1 -- *The History of Vaccines, Smallpox, Vaccine Safety & the Current CDC*

**Schedule** (Airs on April 22nd at 9pm Eastern)

**Episode 2** -- *What's in a Vaccine? Are Vaccines Effective? ... and ... What About Polio?* (Airs on April 23rd at 9pm Eastern)

**Episode 3** -- *An Analysis of the MMR & DTaP Vaccines & Vaccinating for the Greater Good* (Airs on April 24th at 9pm Eastern)

**Episode 4** -- *Examining Influenza, the HIB and Pneumococcal Vaccines & Herd Immunity* (Airs on April 25th at 9pm Eastern)

**Episode 5** -- *Considering the HPV and Hepatitis B Vaccines, SIDS & Shaken Baby Syndrome* (Airs on April 26th at 9pm Eastern)

**Episode 6** -- *A Closer Look at the CDC, Chicken-Pox and Rotavirus Vaccines & Retroviruses* (Airs on April 27th at 9pm Eastern)

**Episode 7** -- *Natural Immunization, Homeoprophylaxis & Fundamental Freedom of Choice* (Airs on April 28th at 9pm Eastern)

**Episode 8 (bonus)** -- *Censorship & Suppression* (Airs on April 29th at 9pm Eastern)

**Episode 9 (bonus)** -- *WHO's Not Telling the Truth?* (Airs on April 30th at 9pm Eastern)

Each episode will be available for 24 hours online for you to watch, then we have to take it down to put up the next episode.

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## APPENDIX: SYMPTOMS

**What are 'COVID toes'? Dermatologists, podiatrists share strange findings by Maura Hohman:** <https://www.today.com/health/skin-symptoms-related-coronavirus-doctors-discuss-covid-toes-t178991>

This skin condition could be the "new anosmia," experts say, because it often appears in coronavirus patients without any other symptoms.

he longer the novel coronavirus circulates, the more unexpected symptoms pop up.

To name a few, ophthalmologists have said [pink eye may be a rare sign of COVID-19](#), and [anosmia](#), or a loss of smell, can occur in patients with no other symptoms. [Coughing blood](#) and [tingling all over the body](#) have also been reported.

Now, another condition possibly linked to the coronavirus has captured researchers' attention. Dubbed "COVID toes" by the dermatology community, it can look like "purple lesions" on feet or hands, Dr. Esther Freeman, a dermatologist at Massachusetts General Hospital in Boston, told TODAY.

### **Coronavirus 'is going to be with us for some time,' doctor warns**

April 17, 2020 4:15

The research is ongoing and rooted in "observation," Dr. Tracey Vlahovic, associate professor of podiatry at Temple University in Philadelphia, told TODAY. "There's no one-to-one correlation."

But because COVID toes may appear before or without other coronavirus symptoms, Freeman believes it should be a criterion for testing. Dr. Lindy Fox, professor of dermatology at University of California, San Francisco, agreed.

### **What are 'COVID toes'?**

The condition usually starts with red or purple discoloration, and the skin may become raised or develop ulcerations, according to Freeman. It can be on hands, too.

Fox told TODAY it has appeared as "purple, red bumps" on the tips of digits and pads, or on the tops of toes or sides of feet.

People with COVID toes may feel the skin is hot, burning or itchy.



— David, 39, said his condition, which appeared to be COVID toes, lasted for about a week. Courtesy of David

One patient, David, 39, who didn't want to share his last name, experienced possible COVID toes. He wasn't tested for the virus, but told TODAY via email: "The affected toes were initially painful to touch and a bit sore while walking ... The pain and soreness lasted just over one week and gradually went away."

While other skin symptoms have appeared in COVID-19-positive patients, [this one seems "COVID-specific,"](#) Fox clarified. [According to a case report from the European Journal of Pediatric Dermatology,](#) the condition has "never been observed in the past."

### **What causes COVID toes?**

Again, the research is just beginning, but experts have some ideas.

"One hypothesis is there's just a lot of inflammation caused by the virus," Freeman said. The condition resembles pernio, caused by exposure to cold

temperatures, resulting in inflammation which can appear as skin sores or bumps.

The other theory is that the symptom is due to blood vessel clots, which can occur in COVID-19 patients.

"I don't feel comfortable saying it's one or the other," Freeman explained. "It could be a bit of both."

### **How common are COVID toes?**

It's unclear how common COVID toes are — because it's unclear what percentage of the U.S. population has the coronavirus, according to Freeman.

To answer this question and others, Freeman is running [an international registry](#) to document COVID-19 patients' range of dermatologic conditions. The registry, which launched last week in collaboration with the American Academy of Dermatology, includes reports of people who tested positive and those whose health care providers suspect are positive.



— Rachel Sommer, who lives in Long Island, New York, shared a picture of her foot condition on Twitter. She did not get tested for coronavirus, but her symptoms included a slightly raised temperature, decreased appetite, fatigue, difficulty breathing and a sore throat. — Rachel Sommer

Rachel Sommer, who lives in Long Island, New York, shared a picture of her foot condition on Twitter. She did not get tested for coronavirus, but her symptoms included a slightly raised temperature, decreased appetite, fatigue, difficulty breathing and a sore throat.

Of the 90 to 100 reports from the first week, Freeman said nearly half addressed patients with purple lesions on feet or hands. For some but not all patients, it was the only symptom.

"I wouldn't take purple toes as meaning, 'I'm definitely going to get sick' or 'I'm not going to get sick,'" she added.

Based on the current reports, the condition seems more common in children and young people, but it's "not exclusive" to them, Fox said.

#### What's the treatment for COVID toes?

For patients who aren't experiencing "a lot of other symptoms, (the condition) tends to resolve on its own," Freeman said, adding, "There's not one particular treatment."

If you notice discoloration on your feet or other hallmarks of COVID toes, contact a dermatologist and ask to be tested for COVID-19, she advised.

Dr. Tracey Vlahovic had a 30-year-old asymptomatic male

patient with what appeared to be COVID toes because there's "seemingly no other reason for it," she said.

Vlahovic added that underlying conditions, like a drug reaction or connective tissue disorder, can have similar symptoms, so providers should get a complete medical history.

For patients experiencing discomfort, warming your digits might help, according to Fox.

"Some patients do well with topical steroids," she continued. "Some physicians are prescribing aspirin. Since we really don't understand, it's hard to recommend therapy."

#### What are other skin symptoms of COVID-19?

According to a statement from the AAD, "it is likely that (skin manifestations of COVID-19) exist — as they occur with other common viral infections — and are probably under-recognized."

Fox, Freeman and Vlahovic cited these examples:

- Bumps on extremities and the torso, which are common with viral infections
- Vascular lesions on the hands, feet and buttocks of patients who are very sick
- Gangrene (dead tissue caused by an infection or lack of blood flow) in patients with severe symptoms and underlying conditions

Ultimately, the importance of COVID toes doesn't lie in the condition itself. Rather, it could help researchers better "understand how much disease is out there," Fox said.

Freeman added that recognizing COVID toes and making it a testing qualifier might "change the course of someone's care ... You could be potentially infecting friends, neighbors without knowing it."

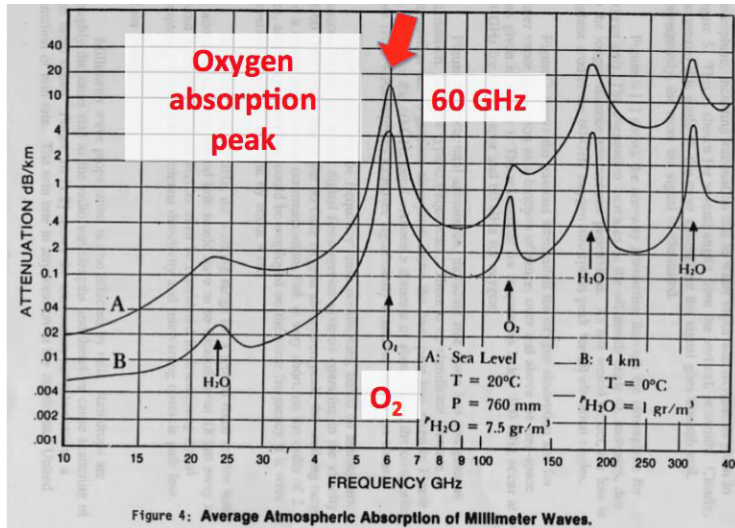


— Dr. Tracey Vlahovic had a 30-year-old asymptomatic male patient with what appeared to be COVID toes because there's "seemingly no other reason for it," she said. — Tracey Vlahovic

#### 16.4.20 – Dr. Sircus - ICU doctors know best: <https://drsircus.com/coronavirus/icu-doctors-know-best/>

John Whyte, MD, Chief Medical Officer at WebMD said, "We have been seeing a high mortality for patients once they are put on a ventilator. Part of the challenge is that we don't always have enough data early-on in an epidemic. That's why it is important to talk to physicians on the front-lines and hear about what they are seeing. This creates more discussion and debate in the clinical and scientific community to help us determine the most effective treatment strategies."

The ICU doctor in the video below (which has gone viral) from New York suggests that we are treating the wrong disease with the wrong measures. WebMD published, "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.** [Check out what 60 GHz does – hypoxia. See Federal Communications Commission Office Of Engineering And Technology Bulletin Number 70 July, 1997 – graphic below] They don't seem starved of oxygen. They may be a little confused. But they aren't struggling to breathe."



Bulletin Number 70 July, 1997 – graphic below] 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."*

[https://transition.fcc.gov/Bureaus/Engineering\\_Technology/Documents/bulletins/oet70/oet70a.pdf](https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet70/oet70a.pdf) (page 2)

**FCC 1997: "For current technology the important oxygen absorption peak occurs at 60 GHz."**

[https://transition.fcc.gov/Bureaus/Engineering\\_Technology/Documents/bulletins/oet70/oet70a.pdf](https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet70/oet70a.pdf)

**videoThe coronavirus is taking its toll on the Navajo Nation**

**What are the symptoms of coronavirus? How to know if you're at risk**