

Covid-19 Con Job

Satanic Plan-Demic/Scam-Demic

Part 9

5G Exposure – The Electromagnetic Human Test by James Grundvig

The global shutdown, enacted by the [Architects of the Plandemic](#), required misdirection carried out with the skill of a magician: Lure the audience into hypnotic focus on a single object as they rolled out their agenda in veils of concealment. Like the lead up to a grand finale, the Masters of Illusion hooked the audience's attention with one dazzling move after another. First, with the virus breaking out of China showing people falling dead in the streets and hospitals overrun with bodies. Then, with the worldwide epidemic infecting cruise ships and decimating industries. Next, they imposed fear of the unknown with "asymptomatic" carriers. At each turn there was a new trick. They sold Vaccines made at "Warp Speed" as the only solution; the only way to "return to normal." They planted more seeds of doubt to keep eyeballs glued on COVID-19 with an endless stream of news bytes on wearing masks, social distancing, and the CDC's new "Twindemic" coming this flu season.

They weaponized Big Media, while directing the Tech Giants to ban, censor, and erase opposing narratives. They controlled the news. They controlled the information. They controlled the people. Take your eye off the magic wand and one can see the coronavirus serving two purposes.

First, the Architects used it to distract people from discovering the underlying cause of the virus-blamed illnesses. Second, it allowed the rollout of 5G infrastructure on earth and in the sky. The world had been hoodwinked. Using the shelter-in-place orders as cover, telecom contractors installed 5G equipment and networks in empty schools and offices, while many businesses switched on surveillance spacing and tracking apps, electrifying the environment with non-ionizing radiation. With few eyes on the stealth rollout of 5G in 2020, they erected cell towers camouflaged as trees and cacti, and hidden on lamp-posts in the suburbs. The Architects did all of this and more, neither informing the public about the true nature of their plan nor seeking their consent to being exposed in the greatest biological experiment in human history.

The majority of people around the world have little idea they are being doused daily with non-ionizing radiation from space, where they live, and where they travel. Add Wi-Fi, laptops, smartphones and new tracing and spacing apps, and the exposure to millimeter waves have grown exponentially. Soon 5G wireless technology will be everywhere. An omnipresent eye.

The end goal of what the World Economic Forum's Klaus Schwab wrote in the Fourth Industrial Revolution report in 2016, aims to transition societies to run on data while be controlled by AI and automation. The onramp of smart vehicles, smart homes, smart buildings, smart factories, and smart cities will one day connect consumers, businesses, and industries in the 6G web of Nikola Tesla's digital "ether." Selling the promise of magnitudes of efficiency gains and super-fast download speeds, what's rarely discussed are the darker elements of the cashless society or the 24/7 surveillance state. Convenience traded in for absolute control. But what are not talked about are the health impacts of living and working in the "hot" environment.

Test Case: Wuhan, China. The industrial hub of 11 million people became the first 5G City in Asia.

On the same October 18, 2019, day as the Gates Foundation-sponsored Event 201 simulated a coronavirus pandemic killing 65 million people, Wuhan hosted the World Military Games. During the two week expo, Wuhan turned on 20 percent of its 10,000 base stations that all went live by year end. Was it a coincidence that the COVID-19 outbreak occurred in the world's first 5G hot spot city? Or that many of its citizens dropped dead in the street, their brains starved of oxygen, an ailment known as hypoxia or acute mountain sickness?

The next outbreak occurred on board the Diamond Princess Cruise ship in February. With one person out of 3,700 people on the ship infected with coronavirus when it docked in Japan for quarantine, the shelter-in-cabin order backfired. In two weeks, COVID-19 spread like wildfire infecting 712 people on board, almost one fifth the total head count.

How did that happen? The world health experts could only venture a guess. Food? HVAC duct systems? What was left out of the probe of the Diamond Princess, however and three of its sister ships: Princesses Cruises was the first cruise line to become a wireless hot spot. Late last year, the four ships installed Medallion Net, a dual-satellite system using near-earth orbit and geosynchronous satellites to beam Wi-Fi down to the vessels crossing the vast open space of oceans.

The Grand Princess, which docked in Oakland, California, avoided a similar fate. In that case, authorities disembarked the passengers and sent them to quarantine at a nearby military base. The Ruby Princess, which quarantined in Australia, triggered a homicide investigation when eleven of its 250 "unwell" passengers died in less than a week. The next epicenter in the global pandemic shifted to Northern Italy. It, too, like Wuhan, became Europe's first 5G hot zone. Soon, the Corona-Plague killed off the elderly and the weak, with stay-at-home orders and shutting down businesses doing more harm than having any measurable effect of containing the epidemic. In each instance, like New York and Seattle that followed, COVID-19 spread unevenly flaring up in nursing homes that likely deployed 5G wireless systems for patient monitoring and telehealth.

The question becomes: Why has the world been dealing with a coronavirus outbreak that never behaved like its predecessors before, dating back to the 1960s? And is the long list of unusual ailments, many related to oxygen deprivation, the result of the “common cold” virus? Or is it something else, something less quantifiable such as the next permutation of blanketing the world with Space-X’s new 5G StarLink system?

Under new scrutiny, the coronavirus cover story begins to break apart like the RNA fragments the PCR tests identify as “positive” cases. Could the faulty tests be a tool of deception? Do they also pick up the breakages in human cells, known as exosomes, due to amplification of the new wireless systems, as well as the coronavirus? It would explain why predominantly the elderly and people with comorbidities didn’t survive the onslaught of the next plateau of irradiating the planet.

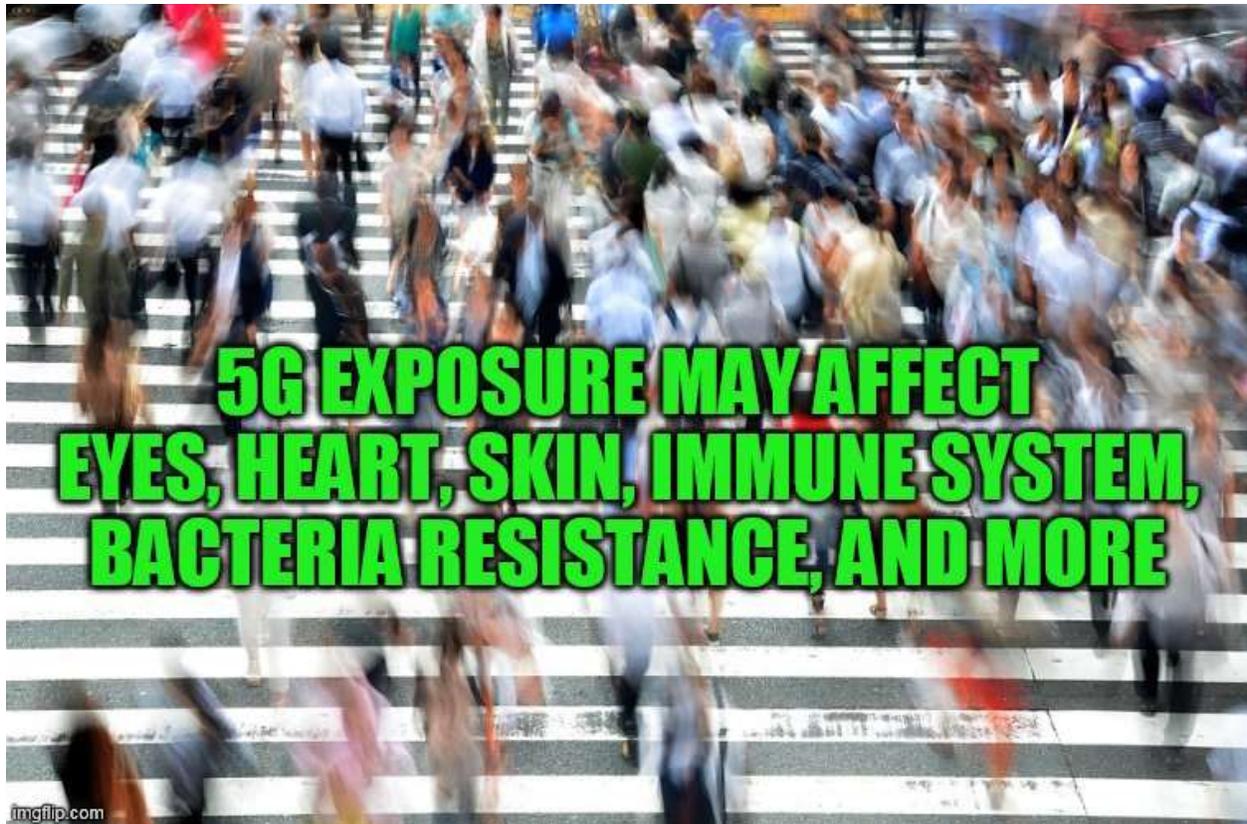
One last anomaly sticks out of the magician’s act. Scientists found coronavirus strains in the sewer systems of Seattle and Northern Italy... last December. That’s months before the outbreaks started in either region. Did the Architects of the Plandemic preload coronavirus into last season’s flu vaccines in China, Europe, and the United States, as some medical doctor’s suspect? If so, the Corona-cover story, being natural in origin, takes on a lot of water. What people need to do is watch the schools in the West that reopen this fall to see if new COVID-19 clusters emerge with the children, teens, and staff. New wireless systems installed in those facilities would be another piece of circumstantial evidence that the coronavirus pandemic is in fact a cover story for the deleterious harm caused by switching on 5G satellites and hot spots around the world.

This short report above from James Grundvig, freelance journalist appeared on September 9th, 2020 has crystalized the past eight months in a way that requires our continued scrutiny and exposure of 5G technology being rolled out around the world.

In the past few months there have been so-called reports that President Trump had neutralized the 5G of harming the public. In my research, I have seen nothing to confirm that to be the case.

Asked about any reports of 5G being neutralized or de-weaponized, top electromagnetic warfare specialist Mark Steele has this to say:

“I have heard a lot about this issue, but I see no validity in the claims.. The technical parameters of 5G are focused energy beam waves that carry large packets of modulated data in the compressed beam. The higher the focus the beam the higher the eV value. That causes ionization a known danger to biology and will ionization of air we breathe.. Sun light is a natural wave form and necessary for life, however if I get a large magnifying glass and focus the energy I can weaponize it. That is 5G’s main technical parameter with data compressed toxic waves not natural. So you would have to change the whole technical parameter and it wouldn’t be 5G. So I just don’t get the narrative at all that is can be made safe.” So whatever anyone tells you about the 5G towers being neutralized, ask for the proof. In the meantime consider the 5G cell towers, large and small, to be just as dangerous as ever.



5G EXPOSURE MAY AFFECT EYES, HEART, SKIN, IMMUNE SYSTEM, BACTERIA RESISTANCE, AND MORE

In 2019 the World Health Organization warned that high levels of Electromagnetic Radiation (aka “Electrosmog”) could lead to health problems in a significant percentage of the population. Also in 2019, telecom executives gave U.S. congressional testimony that they had NO proof that 5G is safe. This seems to be why the majority of scientists worldwide are opposed to 5G deployment until studies show that it’s safe.

Of course, it’s not just scientists opposed until studies show that it’s safe. Cities worldwide and ENTIRE COUNTRIES have taken action to ban, delay, halt, and limit installation as well as issue 5G moratoriums. Regardless, it continues to be installed and turned on in many places despite reports of illness after it’s been installed. Of course, other sources of wireless are harmful too (see 1, 2), hence the 2019 WHO warning..

Gisborne Herald: 5G Confusion – Clarification One Step at a Time by Dr. Mary Redmayne, August 11, 2020

PUBLISHED SATURDAY 25 JULY 2020 online at <http://www.gisborneherald.co.nz/okategoriserade/20200725/5g-confusion-clarification-one-step-at-a-time/>

Editorial/Article for Gisborne Herald 10 July 2020
5G confusion – clarification one step at a time

What a polarizing topic 5G has become. This is unsurprising since the information we hear varies greatly from government, Telecoms, and scientists (industry-funded and independent), through to conspiracy theorists.

Today, I will address just one recent statement from our Ministry of Health: “exposures to 5G signals are similar to, or lower than, those from existing cell sites, and [are] small fractions of the public limit in the standard”.

The statement is misleading, and the topic is complex. Let me explain. The last part of the MoH statement claims that measured 5G exposures “[are] small fractions of the public limit in the standard [2772.1-1999].” This assumes the standard provides safety. Actually, it only seeks “minimal levels of radio-frequency absorption” and to minimize the chance of burns and shocks over short periods.

It clearly does not minimize absorption as a more stringent standard would reduce the permitted maximum. Preventing burns/shocks is insufficient to assure health is intact. Many biological effects occur from ‘small fractions of the public limit’. Some of these are known precursors to serious diseases.

Now to 5G. Once fully functioning, 5G signals will be different from 2G, 3G and 4G transmissions in key ways. Currently these differences may not apply. Here are some key differences:

1 – 5G will transmit power in narrow, high-power beams. Our exposure standard evaluates average exposures. The average may be lower than 2G/3G/4G because the 5G component will only transmit when being used. But during use, the energy in the beams will be high. The beams will interact with people/animals/trees. This is the first time these beams have been intended for public devices used against the body. Increased use, even 5G device ownership, will mean increased exposure.

2 – If a transmitting phone is used/stored against the head or body research indicates that permitted 5G exposures could cause burns. Although the RMA regulations do not permit exceeding public limits, it seems exposure could cause burns within those limits. This, and other research, demonstrates there are RMA ‘effects’ from phone exposures, so the RMA is not in line with the exposure standard.

3 – The user will be exposed to 5G beams when the phone is receiving and sending information. Current phones increase exposure only when sending.

4 – Private phones may be used to support Telco infrastructure to re-direct others’ wireless traffic when there are insufficient public transmitters, further increasing personal exposures.

5 – Most 5G energy is expected to be absorbed in the top layers of the skin, deep enough to impact on peripheral blood vessels. This does not seem to have been tested or considered.

Recently, I attended a hearing of Parliament's Regulations Review Committee as an expert witness for the NZ Outdoors Party. It had brought a complaint relevant to 5G and our exposure standard. Subsequently, I submitted Supplementary Evidence responding to the main question the Committee had asked to be addressed. Briefly, this was whether NZ's radio-frequency exposure standard complies with the Resource Management Act 1991. There is strong evidence that it does not.

Additionally, our standard which is based on the 1998 ICNIRP Guidelines is not suitable for fully-functional 5G, and the revised ICNIRP Guidelines may also not be intrinsically safe. For instance, they allow 5⁰C increases in temperature in some organs, including the cornea of the eye, but this is a topic for another article.

Mary Redmayne, PhD

Interestingly, a number of cruise ship operators are attempting to get underway without any reoccurring incidents of Covid-19 at sea. I am sharing below a couple examples, strange situations at that, where they are not going to be able to hide much longer the petri dish of the cruise ship being the perfect place for the reporting of new infections of the alleged Covid-19.

I shared parts 7 and 8 of this series with independent journalist James Grundvig, whose short article opens this segment. My hope is that what I shared on Mycoplasma will be helpful in connecting the dots and an answer to the exposure of the lies of Dr. Anthony Fauci and Bill Gates, and will help bring them to justice for their crimes against humanity.

Believe it or not, the floating petri dishes of the high seas are back.

In August, the MSC Grandiosa welcomed 3,000 passengers for a seven-day Mediterranean cruise — but with new rules.

While COVID-19 shut down the multi-billion dollar cruise industry and American operators aren't allowed to start sailing for at least another month, MSC took off in August from the port of Genoa in Italy.

But while the cruise looked "normal," there are new rules on board.

Before boarding, MSC Cruises passengers were tested for COVID-19 via a primary antigen test and a secondary molecular test, [CNN reported](#). MSC Cruises representative Luca Biondolillo told CNN that one embarking passenger tested positive at both stages and said: *"In accordance with the protocol, the passenger, as well as his traveling party, were denied boarding. Additionally, other passengers who had reached the ship with the same van were denied boarding as they were close contacts of the one passenger who tested positive."*

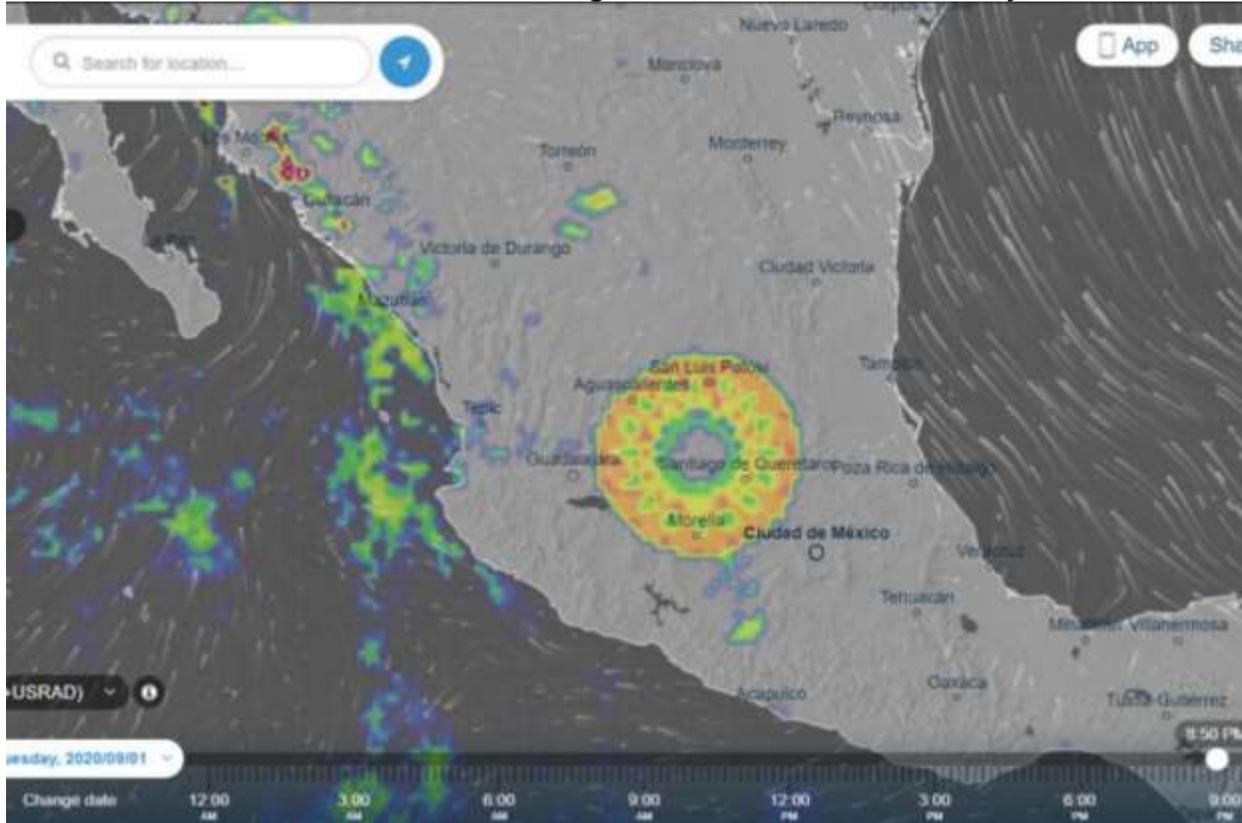
As well as being tested, passengers must complete a temperature check and health questionnaire. Crew members are also tested for the virus prior to boarding and, according to MSC Cruises, “regularly during their contract.”



On September 5, 2020, the MSC Grandiosa cruise liner leaving the northern port of Genoa, Italy.

Because of the photographer's angle visibility of 5G signature radar domes is all but obscured to the lense. If one looks close enough with some magnification, it is possible to see at least one of the signature image [the white globe shaped] of a 5G radar antenna.

WEAPONIZED 5G Test Caught LIVE outside Mexico City . . .



It appears the rumors surrounding the new "5G" cellular system that they can be turned into actual deadly weapons simply by turning the power way up, may be true.

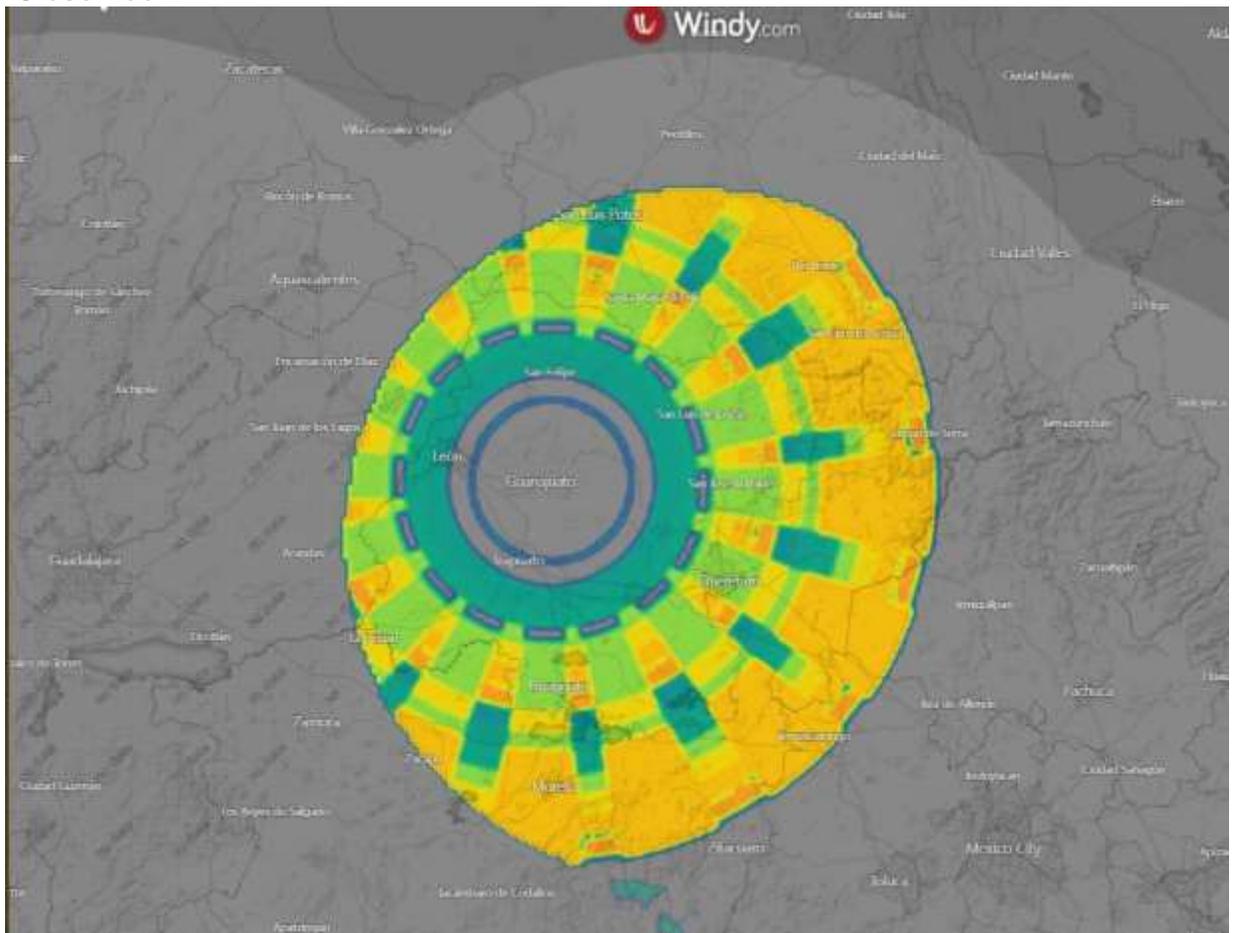
Yesterday, I [Hal Turner] was given a heads-up by some of my former colleagues within the Intel Community, to pay very close attention to weather radar in Mexico, just outside of Mexico City. It was an extremely ODD thing for them to tell me. I did as they suggested.

Late last night, I quickly understood why I was told to watch: It APPEARS, the 5G cellular system outside of Mexico City, was tested at full power. The effect was so ferocious, it actually appeared on Weather Radar. ALL . . . weather radar!

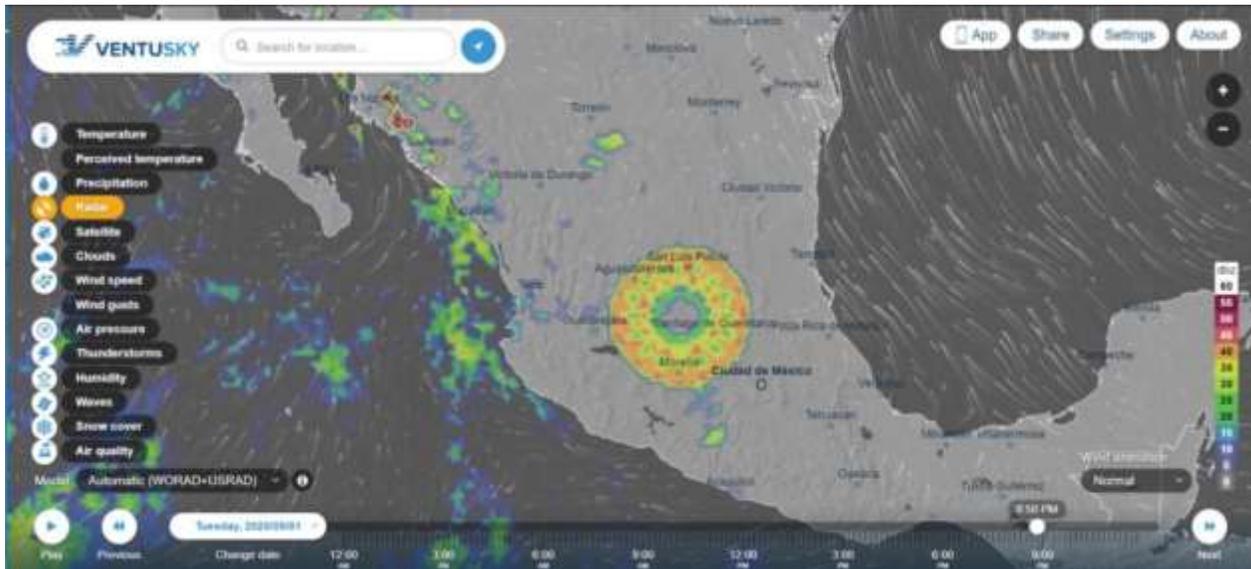
Below are still images of weather radar from at least two different radar sources.



Closer look:



Second Radar Source:



I am endeavoring to determine through other channels, if there was any noticeable effect on people, animals or property in the geographic region affected. If I get such info, I will report it below as an update.

Now, **for subscribers only**, is additional information about this issue, including some details from a story this site ran earlier, but withdrew, which claimed the 5G network would be used to create KILL ZONES inside the USA during October, and by November, we would see about a 70% population die-off within the USA, easing the way for Communist China to physically take our country. Subscribers can LOGIN and watch the very brief video of the event as it took place.

Update: One of the first ships to resume cruising is having a COVID outbreak

This story has been updated with the latest information as of 2:45 p.m., Aug 1. This story was originally published July 31.

On second thought, maybe it was too soon.

One of the first cruise ships in the world to resume sailing since the coronavirus-caused worldwide halt to cruising in March is experiencing a significant outbreak of the illness that already has sent several people to the hospital.

Norwegian expedition cruise company Hurtigruten late Friday said four sick crew members from the 535-passenger Roald Amundsen were admitted to the University Hospital of North Norway in Tromsø, Norway, earlier in the day after the vessel docked in the city. All four had tested positive for COVID-19.

On Saturday, the line said another 32 crew members had tested positive for the illness. The Roald Amundsen on Friday had just finished a seven-night sailing out of Tromsø to the Arctic's wildlife-filled Svalbard archipelago.

All four of the hospitalized crew members had been sick for several days while on board the vessel, and all four had been placed in isolation. But the line said their symptoms weren't consistent with COVID-19. They only tested positive for the illness after the ship docked in Tromsø early Friday.



The Roald Amundsen above also has the signature large white globes used to protect the 5G antennas, two small ones near the front of the ship, and three larger globes toward the aft deck (only two are visible).

It's unclear if the crew members are seriously ill, or if they only are being hospitalized as a way to keep them isolated.

Related: Coronavirus claims another small cruise line — the third in a month.

The entire ship has now been placed in isolation, and the 154 remaining crew members on board have all been tested for COVID-19. Hurtigruten on Saturday said 122 of the crew members had tested negative for the illness.



Hurtigruten's Roald Amundsen is an expedition cruise ship with a strengthened hull capable of driving into ice in the Arctic. The above picture shows clearly the two larger 5G white domes from the aft area. These large white domes are required to protect the 5G satellites from rain, snow, ice, sleet, dust, and fog from interfering with communications to the low and mid-level orbiting satellites.

Hurtigruten on Saturday said it had contacted all 178 passengers who left the ship early Friday, and they had been ordered to self-quarantine in line with Norwegian health regulations.

The company also has contacted another 209 passengers who were aboard the previous sailing of the Roald Amundsen, and they have been told to self-quarantine, too.

The next voyage of the vessel, which had been scheduled to begin Friday, has been canceled.

Hurtigruten has been at the forefront of efforts to restart cruising in Europe in the wake of falling coronavirus case counts across the continent. The line started cruises to Norway out of Hamburg, Germany, in June with a single ship, the 530-passenger Fridtjof Nansen. It added cruises to Svalbard on the Roald Amundsen and the 335-passenger Spitsbergen in July.

Related: One small U.S. cruise operator plans to resume sailing this weekend. Really

The trips only have been open to local travelers from select European countries. No Americans have been on board the vessels.

“We are now focusing all available efforts in taking care of our guests and colleagues,” Hurtigruten spokesperson Rune Thomas Ege said in a statement posted Saturday at the line’s website. “We work closely with the Norwegian national and local health authorities for follow-up, information, further testing, and infection tracking.”

Hurtigruten had implemented a wide range of new health and safety measures on Roald Amundsen and the other ships it brought back into operation, including enhanced cleaning, added medical screenings for passengers and crew, and an end to buffets. All the vessels were operating at a sharply reduced capacity, below 50% of normal, to ensure social distancing.

The measures were similar to what many lines have been touting as the solution to keeping coronavirus off ships as cruising resumes.

The Roald Amundsen trips included Zodiac landings for wildlife sightseeing in the Svalbard archipelago as well as kayaking and other expedition-related activities.

Related: Cruises are restarting in the oddest of places, including the Arctic

Hurtigruten pioneered cruises to Svalbard in 1896. Cruises to Svalbard and other parts of the Arctic were thought to be somewhat simpler to run during a pandemic as they don’t involve much passenger interaction with other humans. The typical Arctic voyage is an expedition-style sailing that involves landings and Zodiac excursions to see wildlife, glaciers and floating ice formations.

The Roald Amundsen currently is scheduled to begin sailings around the British Isles for U.K. residents in early September. Hurtigruten didn’t say whether those trips would go ahead.

Hurtigruten is just one of several cruise companies in Europe that have been starting to bring back sailings since June. Until now, no cruise operators in North America have resumed sailings. But one small-ship cruise company, UnCruise Adventures, plans to resume trips out of Juneau, Alaska, on Saturday.

Additional resources for cruisers during the coronavirus outbreak:

- [When will cruising resume? A line-by-line guide](#)
- [Why you shouldn’t expect bargain-basement cruise deals anytime soon](#)
- [How to cancel or postpone a cruise due to coronavirus](#)
- [Expecting a refund for a canceled cruise? Here’s how long it will take](#)
- [Some of the year’s hottest new ships could be delayed](#)
- [Stream these 13 movies, television shows to get your cruise ship fix](#)

It seems to me that there is an aspect of the issue of ionizing vs. non-ionizing radiation that is being under-estimated.

In reading OSHA documents, the Occupational Safety and Health Administration does not give blanket approval or a clean bill of health to non-ionizing radiation.

Non-ionizing radiation is described as a series of energy waves composed of oscillating electric and magnetic fields traveling at the speed of light. Non-ionizing radiation includes the spectrum of ultraviolet (UV), visible light, infrared (IR), microwave (MW), radio frequency (RF), and extremely low frequency (ELF). Lasers commonly operate in the UV, visible, and IR frequencies. Non-ionizing radiation is found in a wide range of occupational settings and can pose a considerable health risk to potentially exposed workers if not properly controlled. OSHA organizes their specifications into six areas:

Extremely Low Frequency Radiation (ELF)

Extremely Low Frequency (ELF) radiation at 60 HZ is produced by power lines, electrical wiring, and electrical equipment. Common sources of intense exposure include ELF induction furnaces and high-voltage power lines.

Radiofrequency and Microwave Radiation

Microwave radiation (MW) is absorbed near the skin, while Radiofrequency (RF) radiation may be absorbed throughout the body. At high enough intensities both will damage tissue through heating. Sources of RF and MW radiation include radio emitters and cell phones.

Infrared Radiation (IR)

The skin and eyes absorb infrared radiation (IR) as heat. Workers normally notice excessive exposure through heat sensation and pain. Sources of IR radiation include furnaces, heat lamps, and IR lasers.

Visible Light Radiation

The different visible frequencies of the electromagnetic (EM) spectrum are "seen" by our eyes as different colors. Good lighting is conducive to increased production, and may help prevent incidents related to poor lighting conditions. Excessive visible radiation can damage the eyes and skin.

Ultraviolet Radiation (UV)

Ultraviolet radiation (UV) has a high photon energy range and is particularly hazardous because there are usually no immediate symptoms of excessive exposure. Sources of UV radiation include the sun, black lights, welding arcs, and UV lasers.

Laser Hazards

Lasers typically emit optical (UV, visible light, IR) radiations and are primarily an eye and skin hazard. Common lasers include CO₂ IR laser; helium - neon, neodymium YAG, and ruby visible lasers, and the Nitrogen UV laser.

Research on Harmfulness

There's disagreement over EMF safety because there's no strong research suggesting that EMFs harm human health.

According to the [World Health Organization's International Agency for Research on Cancer \(IARC\)](#), EMFs are "possibly carcinogenic to humans." The IARC believes that some studies show a possible link between EMFs and cancer in people.

One item most people use every day that sends out EMFs is the cellphone. Use of cellphones has increased significantly since they were introduced in the 1980s. Concerned about human health and cellphone use, researchers began what would become the [largest study Trusted Source](#) to compare cancer cases in cellphone users and nonusers back in 2000.

The researchers followed cancer rates and cellphone use in more than 5,000 people in 13 countries around the world. They found a loose connection between the highest rate of exposure and glioma, a type of cancer that occurs in the brain and spinal cord.

The gliomas were more often found on the same side of the head that people used to speak on the phone. However, the researchers concluded that there was not a strong enough connection to determine that cellphone use caused cancer in the research subjects.

In a smaller but more recent [study](#), researchers found that people exposed to high levels of EMF for years at a time showed an increased risk of a certain type of [leukemia](#) in adults.

European scientists also [uncovered](#) an apparent link between EMF and leukemia in children. But they say that monitoring of EMF is lacking, so they're not able to draw any certain conclusions from their work, and more research and better monitoring is needed. A review of more than two dozen studies on low-frequency EMFs suggests these energy fields may cause various neurological and psychiatric problems in people. This [study Trusted Source](#) found a link between EMF exposure and changes in human nerve function throughout the body, affecting things like sleep and mood.

Danger Levels

An organization called the International Commission on Non-Ionizing Radiation Protection (ICNIRP) maintains international [guidelines for EMF exposure](#). These guidelines are based on the findings of many years of scientific research.

EMFs are measured in a unit called volts per meter (V/m). The higher the measurement, the stronger the EMF.

Most electrical appliances sold by reputable brands test their products to ensure EMFs fall within the ICNIRP's guidelines. Public utilities and governments are responsible for managing EMFs related to power lines, cellphone towers, and other sources of EMF.

No known health effects are expected if your exposure to EMF falls below the levels in the following guidelines:

- natural electromagnetic fields (like those created by the sun): 200 V/m
- power mains (not close to power lines): 100 V/m
- power mains (close to power lines): 10,000 V/m
- electric trains and trams: 300 V/m
- TV and computer screens: 10 V/m
- TV and radio transmitters: 6 V/m
- mobile phone base stations: 6 V/m
- radars: 9 V/m
- microwave ovens: 14 V/m

You can check EMFs in your home with an EMF meter. These handheld devices can be purchased online. But be aware that most can't measure EMFs of very high frequencies and their accuracy is generally low, so their efficacy is limited.

The best-selling EMF monitors on Amazon.com include handheld devices called gaussmeters, made by [Meterk](#) and [TriField](#). You can also call your local power company to schedule an on-site reading.

According to the ICNIRP, most people's maximum exposure to EMF is very low in everyday life.

Symptoms of EMF Exposure

According to some scientists, EMFs can affect your body's nervous system function and cause damage to cells. Cancer and unusual growths may be one symptom of very high EMF exposure. Other symptoms may include:

- sleep disturbances, including insomnia
- headache
- depression and depressive symptoms
- tiredness and fatigue
- [dysesthesia](#) (a painful, often itchy sensation)
- lack of concentration
- changes in memory
- dizziness
- irritability
- loss of appetite and weight loss

restlessness and anxiety
nausea
skin burning and tingling
changes in an [electroencephalogram](#) (which measures electrical activity in the brain)

The symptoms of EMF exposure are vague and diagnosis from symptoms is unlikely. We don't yet know enough about the effects on human health. Research in the next years may better inform us.

Protection from EMF Exposure

According to the latest research, EMFs are unlikely to cause any adverse health effects. You should feel safe using your cell phone, and appliances. You should also feel safe if you live near power lines, as the EMF frequency is very low.

To reduce high-level exposure and associated risks, only receive X-rays that are medically necessary and limit your time in the sun.

Instead of worrying about EMFs, you should simply be aware of them and reduce exposure. Put your phone down when you aren't using it. Use the speaker function or earbuds so it doesn't have to be by your ear.

Leave your phone in another room when you sleep. Don't carry your phone in a pocket or your bra. Be aware of possible ways of being exposed and unplug from electronic devices and electricity and go camping once in a while.

Keep an eye on the news for any developing research on their health effects.

Bottom Line

EMFs occur naturally and also come from manmade sources. Scientists have found some possible weak connections between low-level EMF exposure and health problems, like cancer.

High-level EMF exposure is known to cause neurological and physiological problems by disrupting human nerve function. But it's very unlikely that you'll be exposed to high-frequency EMFs in your everyday life.

Be aware that EMFs exist. And be smart about high-level exposure through X-rays and the sun. While this is a developing field of research, it's unlikely that low-level exposure to EMFs is harmful.

The information on this issue of ionizing and non-ionizing radiation may have been largely true when the regulations were written in 1996, they have not been updated for what are more commonly referred to as "smart phones"

A new collection of peer reviewed studies published by **Martin Pall PhD** of Washington State University have showed a definitive mechanism by which **non-ionizing radiation** affects biological organisms. Standard **radiation** from Wi-Fi, cell phones and microwaves was found to affect something called the voltage gated calcium channels.

Dr. Martin Pall, Professor Emeritus of Biochemistry and Basic Medical Sciences at Washington State University. I am a published and widely cited scientist on the biological effects of electromagnetic fields and speak internationally on this topic. I am particularly expert in how wireless radiation impacts the electrical systems in our bodies. Dr. Pall has published 7 studies showing there exists exquisite sensitivity to electromagnetic fields (EMFs) in the voltage sensor in each cell, such that the force impacting our cells at the voltage sensor has massive impact on the biology on the cells of our bodies.

A 90 page, seven chapter document on EMF effects, how they are produced in the body and the corruption of the international science.

Martin Pall PhD, is Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University.

Chapter 7 from the book:

5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by Electromagnetic Field (EMF) Exposures and the Mechanism that Causes Them

Written and Compiled by Martin L. Pall, PhD, Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University Address: 638 NE 41st Ave., Portland OR 97232 USA, martin_pall@wsu.edu 503-232-3883 May 17, 2018

Chapter 7: The Great Risks of 5G: What We Know and What We Don't Know.

We have already discussed two issues that are essential to understanding 5G. One is that pulsed EMFs are, in most cases, much more biologically active than are non-pulsed (often called continuous wave) EMFs. A second is that the EMFs act by putting forces on the voltage sensor of the VGCCs, opening these calcium channels and allowing excessive calcium ions to flow into the cell. The voltage sensor is extraordinarily sensitive to those electrical forces, such that the safety guidelines are allowing us to be exposed to EMFs that are something like 7.2 million times too high.

The reason that the industry has decided to go to the extremely high frequencies of 5G is that with such extremely high frequencies, it is possible to carry much more information via much more pulsation than it is possible to carry with lower frequencies even in the microwave range. We can be assured, therefore, that 5G will involve vastly more pulsation than do EMFs that we are currently exposed to. It follows from that, that

any biological safety test of 5G must use the very rapid pulsations including whatever very short term spikes may be present, that are to be present in genuine 5G. There is an additional process that is planned to be used in 5G: phased arrays (https://en.wikipedia.org/wiki/Phased_array). Here multiple antenna elements act together to produce highly pulsed fields which are designed for 5G, to produce increased penetration. 5G will entail particularly powerful pulsations to be used, which may, therefore, be particularly hazardous.

The only data we have, to my knowledge, on millimeter wave frequencies of 5G used non-pulsed EMFs in the millimeter frequency range of 5G, not genuine 5G. Such millimeter waves have been shown to produce a number of downstream effects of VGCC activation. One millimeter wave study showed that it activated both the VGCCs and also the voltage-gated potassium channels, suggesting that it worked via the voltage sensor, as do other EMFs [136]. Any such data tells us almost nothing about how biologically active genuine very highly pulsed 5G will be.

I take it that from their statements, that both Mr. Ryan and Dr. Vinciūnas are ready to put out 10s of millions of 5G antennae to afflict every single person in the EU with 5G radiation without even a single biological test of safety of genuine 5G. In the U.S., the FCC has taken a much worse position. The FCC is not only willing to allow such completely untested exposures but has also been aggressively pushing to promote installation of 5G antennae, such that antennae are already being installed in parts of the U.S. In a world where shocking behavior has become less and less shocking, I consider EU and U.S. views and actions to be shocking. The U.S. situation is mass insanity. I would have hoped that the Europeans, who think of themselves as being much more thoughtful than Americans, would have been genuinely more thoughtful.

Why does 5G need such high numbers of antennae? It is because the 5G radiation is much more absorbed as it enters various materials. The approach is to use many more antennae with one found every few houses, such that 5G can sufficiently penetrate local walls. Such absorption usually involves the interaction with electrically charged groups, such that such high absorption is likely to involve placing forces on electrically charged groups. Because such forces are the way in which EMFs activate the VGCCs, it seems highly likely, therefore, that 5G radiation will be particularly active in VGCC activation.

In summary, then, 5G is predicted to be particularly dangerous for each of four different reasons:

- 1.The extraordinarily high numbers of antennae that are planned.
- 2.The very high energy outputs which will be used to ensure penetration.
- 3.The extraordinarily high pulsation levels.
- 4.The apparent high level interactions of the 5G frequency on charged groups presumably including the voltage sensor charged groups.

Now what the telecommunications industry argues is that 5G radiation will be mostly absorbed in the outer 1 or 2 mm of the body, such that they claim that we don't have to

worry about the effects. There is some truth to that, but there are also some caveats that make any conclusions made from that, much more suspect. In any case, these surface effects of 5G will have especially strong impact on organisms with much higher surface to volume ratios. Consequently, I predict that many organisms will be much more impacted than we will. This includes insects and other arthropods, birds and small mammals and amphibia. It includes plants including even large trees, because trees have leaves and reproductive organs that are highly exposed. I predict there will be major ecological disasters as a consequence of 5G.

This will include vast conflagrations because EMF exposures make plants much more flammable.

But let's get back to humans. The industry has also made claims that more conventional microwave frequency EMFs are limited in effect to the outer 1 cm of the body. We know that is not true, however because of the effects deep in the human brain, on the heart and on hormone systems. Perhaps the most important two studies demonstrating effects deep within the body are the studies of Professor Hässig and his colleagues in Switzerland on cataract formation in newborn calves [137,138]. These two studies clearly show that when pregnant cows are grazing near mobile phone base stations (also called cell phone towers), the calves are born with very greatly increased incidences of cataracts. It follows from these findings that even though the developing fetuses are very deep in the body of the mother and should be highly protected from the EMF exposures, they are not so protected. And because the EMF safety guidelines in Switzerland are 100 times more stringent than are the safety guidelines in most of the rest of Europe, in the U.S., Canada and most of the rest of the world, the more general safety guidelines allow greatly excessive exposures and penetration of effects. The claims of industry that microwave frequency EMFs only act in the outer centimeter of the body are clearly false.

How then can both conventional microwave frequency EMFs and 5G radiation act deeply within the body? You may correctly observe that the electrical effects of the EMFs activate the voltage sensor and that the direct electrical forces are rapidly attenuated in the body. So how can we get deep effects? I think the answer is that the magnetic parts of the EMFs have been known for decades to penetrate much more deeply than do the electrical parts. The magnetic fields put forces on mobile electrically charged groups dissolved in the aqueous phases of the body and small individual movements of the charged groups can regenerate electric fields that are essentially identical to the electric fields of the original EMFs, carrying the same frequency and same pulsation pattern, although with lower intensity. An example of this is given in the Lu and Ueno [139] study. Because the voltage sensor is so stunningly sensitive to electrical forces and part of the reason for that is the very high level of amplification of the electrical field across the plasma membrane, we have an almost perfect way in which to produce EMF effects deeply within our bodies.

I am very concerned that 5G may produce effects like those we already see produced from lower frequency EMFs but are much more severe. I am also concerned that we will

also see responses that are qualitatively different. Let me give you three possible examples of the latter type and one quantitative example. Each of the four types of blindness, have downstream effects of VGCC activation as causal factors: cataracts, detached retinas, glaucoma and macular degeneration. The aqueous and vitreous humors in the eye may be an ideal environment for the regeneration of the electrical fields within the eye. We may, therefore have a gigantic epidemic of each of the four types of blindness. Another concern focuses on kidney dysfunction, which was shown in Chapter 5 to be impacted by EMFs. The kidneys have much fluid, both blood and also what will become urine, which may allow efficient the regeneration of electrical fields. Such regeneration may be expected to impact both the glomerular filtration and also the reabsorption, both essential to kidney function.

Does this mean that 5G will produce very large increases in kidney failure? The only way to find out is to do biological safety testing of genuine 5G radiation. Let me give you a third example. Fetuses and very young babies have much more water in their bodies than do adults. Therefore, they may be a special risk for impacts of 5G, because of great increases in the regeneration of the electrical fields. Here one can think of all kinds of possibilities. Let me suggest two. We may have a gigantic (sorry about using that word again) epidemic of spontaneous abortion due the teratogenic effects. Another possibility is that instead of autism being one birth in 38, however horrendous that is, it could be one out of two, or even a majority of births. I don't know that these will happen, but these are the kinds of risks we are taking and there are many others one can think of. Putting in tens of millions of 5G antennae without a single biological test of safety has got to be about the stupidest idea anyone has had in the history of the world.

This brings us back to the earlier point. The only way to do 5G safety testing is to do genuine 5G biological safety testing. I have published on how this can be done relatively easily at relatively low cost and have, as you saw in the Chapter 6, told the FCC how this can be done. Those tests must be done by organizations completely independent of industry and that leaves out both ICNIRP and SCENIHR and a lot of other organizations.

Now we will get into the precautionary principle which is especially relevant to the EU but may have lessons for all of us.

Dr. Vinciūnas' last full paragraph reads as follows:

“The recourse to the EU's precautionary principle to stop distribution of 5G products appears too drastic a measure. We need first to see how this technology will be applied and how the scientific evidence will evolve. Please be assured that the Commission will keep abreast of the scientific evidence in view of safeguarding the health of European citizens at the highest level possible and in line with its mandate.”

Article 191 defines the Precautionary Principle as follows:

“According to the European Commission the precautionary principle may be invoked when a phenomenon, product or process may have a dangerous effect, identified by a scientific and objective evaluation, if this evaluation does not allow the risk to be determined with sufficient certainty.

Recourse to the principle belongs in the general framework of risk analysis (which, besides risk evaluation, includes risk management and risk communication), and more particularly in the context of risk management which corresponds to the decision-making phase.

The Commission stresses that the precautionary principle may only be invoked in the event of a potential risk and that it can never justify arbitrary decisions. The precautionary principle may only be invoked when the three preliminary conditions are met:

- * identification of potentially adverse effects;
- * evaluation of the scientific data available;
- * the extent of scientific uncertainty.”

The question now is what about 5G? We have with 5G strong suspicions of similar or much more severe risk of effects documented elsewhere in this document. We have no biological safety testing of genuine 5G radiation. Therefore, we have no risk analysis or risk management because we have no risk assessment whatsoever on 5G. So here we have Dr. Vinciūnas arguing that the request for precautionary principle application is premature. But it is not the request for the use of the precautionary principle that is premature, it is the Commission’s claim that it has done the required risk analysis and risk assessment. This is the bizarre world that we live in.

The European Commission has done nothing to protect European citizens from the very serious health hazards and the U.S. FDA, EPA and National Cancer Institute have done nothing to protect U.S. citizens. The U.S. FCC has been worse than that, acting in wanton disregard for our health.

Let me close, as follows. There have been certain points in our history where people have stood up to strong destructive forces against what often appeared to be insurmountable odds. Those people are THE most honored people in our history. The people who failed to do so are among the most despised people in our history. I am not at all sure we will have historians to record us 100 years from now or even 30 years from now, given the direction in which we are heading. But if we do, rest assured that these are the standards by which we will all be judged.

We thank EMF Facts Consultancy for the additional information.

Martin Pall's book on 5G is available online

5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by Electromagnetic Field (EMF) Exposures and the Mechanism that Causes Them.

April 15, 2018

In "News"

Role of 5G in the Coronavirus Epidemic in Wuhan China

– by Martin Pall, PhD, Professor Emeritus, Washington State University

Wuhan, the capital of Hubei province in China, was chosen to be China's first 5G "smart city" and the location of China's first smart 5G highway. Wuhan is also the center of the horrendous coronavirus epidemic. The possible linkage between these two events was first discussed in an Oct. 31, 2019 article entitled: "Wuhan was the province where 5G was rolled out, now the center of deadly virus" <https://5g-emf.com/wuhan-was-the-province-where-5g-was-rolled-out-now-the-center-of-deadly-virus/>

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), 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.

[MORE INFO HERE 5G – a building biology perspective](#)

Are these findings coincidental or does 5G having some causal role in exacerbating the coronavirus epidemic? In order to answer that question, we need to determine whether the downstream effects of VGCC activation exacerbate the viral replication, the effects of viral infection, especially those that have roles in the spread of the virus and also the mechanism by which this coronavirus causes death.

Accordingly, the replication of the viral RNA is stimulated by oxidative stress:

J Mol Biol. 2008 Nov 28;383(5):1081-96. Variable oligomerization modes in coronavirus non-structural protein 9. Ponnusamy R, Moll R, Weimar T, Mesters JR, Hilgenfeld R.

Other aspects of viral replication including those involved in the spread of the virus are stimulated by increased intracellular calcium [Ca²⁺]_i, oxidative stress, NF-kappaB elevation, inflammation and apoptosis, each of which are increased following EMF exposure. The first citation below shows an important role of VGCC activation in stimulating coronavirus infection.

Virology. 2020 Jan 2;539:38-48. Porcine deltacoronavirus (PDCoV) modulates calcium influx to favor viral replication. Bai D, et al.

J Virol. 2011 May;85(9):4234-45. Distinct severe acute respiratory syndrome coronavirus-induced acute lung injury pathways in two different nonhuman primate species. Smits SL, et al.

Cell Calcium. 2018 Nov;75:30-41. NAADP-dependent Ca²⁺ signalling regulates Middle East respiratory syndrome-coronavirus pseudo virus translocation through the endolysosomal system. Gunaratne GS, et al.

J Virol. 2011 May;85(9):4234-45. Distinct severe acute respiratory syndrome coronavirus-induced acute lung injury pathways in two different nonhuman primate species. Smits SL, et al.

Proteome Sci. 2011 Mar 8;9:11. Proteomic analysis of chicken embryonic trachea and kidney tissues after infection in ovo by avian infectious bronchitis coronavirus. Cao Z, et al.

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Res Vet Sci. 2015 Jun;100:12-7. Serum biomarkers of oxidative stress in cats with feline infectious peritonitis. Tecles F, et al.

J Infect Dis. 2008 Mar 15;197(6):812-6. Glucose-6-phosphate dehydrogenase deficiency enhances human coronavirus infection. Wu YH et al.

J Virol. 1998 Jun;72(6):4918-24. Transmissible gastroenteritis coronavirus induces programmed cell death in infected cells through a caspase-dependent pathway. Eleouet JF, et al.

The predominant cause of death from this coronavirus is pneumonia. Pneumonia is greatly exacerbated by each of those five downstream effects of VGCC activation, excessive intracellular calcium, oxidative stress, NF-kappaB elevation, inflammation and apoptosis. The first of the citations listed below shows that calcium channel blockers, the same type of drugs that block EMF effects, are useful in the treatment of pneumonia. This predicts that EMFs, acting via VGCC activation, will produce increasingly severe pneumonia and therefore 5G radiation as well as other types of EMFs may well increase pneumonia deaths.

Zheng et al. 2016 Preadmission Use of Calcium Channel Blockers and Outcomes After Hospitalization With Pneumonia: A Retrospective Propensity-Matched Cohort Study. *Am J Ther.* 2017 Jan/Feb;24(1):e30-e38.

Fang et al. 2017 Pneumolysin-Dependent Calpain Activation and Interleukin-1? Secretion in Macrophages Infected with *Streptococcus pneumoniae*. *Infect Immun.* 2017 Aug 18;85(9). pii: e00201-17.

Fettel et al. 2019 Sphingosine-1-phosphate (S1P) induces potent anti-inflammatory effects in vitro and in vivo by S1P receptor 4-mediated suppression of 5-lipoxygenase activity. *FASEB J.* 2019 Feb;33(2):1711-1726.

Liu and Shi. 2019 Calcium-activated chloride channel regulator 1 (CLCA1): More than a regulator of chloride transport and mucus production. *World Allergy Organ J.* 2019 Nov 29;12(11):100077.

Medicine (Baltimore). 2018 Nov;97(45):e13087. N-acetylcysteine improves oxidative stress and inflammatory response in patients with community acquired pneumonia: A randomized controlled trial. Zhang Q, et al.

Sci Rep. 2018 Oct 18;8(1):15393. Surfactant protein D attenuates acute lung and kidney injuries in pneumonia-induced sepsis through modulating apoptosis, inflammation and NF-?B signaling. Du J, et al.

[MORE INFO HERE The Lies Must Stop Disband ICNIRP](#)

Curr Neurovasc Res. 2020 Jan 28. MicroRNA (miR)-429 promotes inflammatory injury by targeting kruppel-like factor 4 (KLF4) in neonatal pneumonia. Zhang L, et al.

Life Sci. 2019 Jul 1;228:189-197. Long noncoding RNA SNHG16 targets miR-146a-5p/CCL5 to regulate LPS-induced WI-38 cell apoptosis and inflammation in acute pneumonia. Zhou Z, et al.

These all argue that 5G radiation is likely to greatly exacerbate the spread of the coronavirus and to greatly increase the lethality of the infections produced by it. The good news is that it is likely that those of us that live in areas with no 5G radiation and who avoid other EMFs wherever possible will probably escape much of the impacts of this prospective global pandemic. It is highly probable that one of the best things Wuhan can do to control the epidemic in the city is to turn off the 4G/5G system.

<https://electromagnetichealth.org/electromagnetic-health-blog/5g-covid-19-epidemic/>

Dr. Martin Pall's 90-page report on the 5G has been the match that struck controversy around the world. He has become the spearhead for the anti-5G EMF and attacked by the telecom industry all in one huge swoop. Dr. Pall's qualifications are extraordinary in that he is a scientist with electrical physics expertise. The summary of his work is here below:

Summary:

We know that there is a massive literature, providing a high level of scientific certainty, for each of eight pathophysiological effects caused by non-thermal microwave frequency EMF exposures.

This is shown in from 12 to 35 reviews on each specific effect, with each review listed in Chapter 1, providing a substantial body of evidence on the existence of each effect. Such EMFs:

1. Attack our nervous systems including our brains leading to widespread neurological/neuropsychiatric effects and possibly many other effects. This nervous system attack is of great concern.
2. Attack our endocrine (that is hormonal) systems. In this context, the main things that make us functionally different from single celled creatures are our nervous system and our endocrine systems – even a simple planaria worm needs both of these. Thus the consequences of the disruption of these two regulatory systems is immense, such that it is a travesty to ignore these findings.
3. Produce oxidative stress and free radical damage, which have central roles in essentially all chronic diseases.
4. Attack the DNA of our cells, producing single strand and double strand breaks in cellular DNA and oxidized bases in our cellular DNA. These in turn produce cancer and also mutations in germ line cells which produce mutations in future generations.
5. Produce elevated levels of apoptosis (programmed cell death), events especially important in causing both neurodegenerative diseases and infertility.
6. Lower male and female fertility, lower sex hormones, lower libido and increased levels of spontaneous abortion and, as already stated, attack the DNA in sperm cells.
7. Produce excessive intracellular calcium $[Ca^{2+}]_i$ and excessive calcium signaling.
8. Attack the cells of our bodies to cause cancer. Such attacks are thought to act via 15 different mechanisms during cancer causation.

There is also a substantial literature showing that EMFs also cause other effects including life threatening cardiac effects (Chapter 3). In addition substantial evidence suggests EMF causation

of very early onset dementias, including Alzheimer's, digital and other types of dementias (Chapter 3); and there is evidence that EMF exposures in utero and shortly after birth can cause ADHD and autism (Chapter 5).

Each of these effects is produced via the main mechanism of action of microwave/lower frequency EMFs, activation of voltage-gated calcium channels (VGCCs) (Chapter 2).

Each of them is produced via what are called downstream effects of VGCC activation. It follows from this that we have a good understanding not only that these effects occur, but also how they can occur. The extraordinary sensitivity of the VGCC voltage sensor to the forces of the EMFs tells us that the current safety guidelines allow us to be exposed to EMF levels that are something like 27.2 million times too high. That sensitivity is predicted by the physics. Therefore, the physics and the biology are each pointing to the same mechanism of action of non-thermal EMFs.

The different effects produced are obviously very deep concerns. They become much deeper and become existential threats when one considers that several of these effects are both cumulative and eventually irreversible. There is substantial evidence for the cumulative nature and eventual irreversibility of the neurological/neuropsychiatric effects, of the reproductive effects, the mutational DNA effects, the cardiac effects, of some but not other of the hormonal effects (Chapter 3); any causation of ADHD and autism may add additional concerns (here the cumulative nature is probably limited to the perinatal period). When we know that sperm counts have dropped by more than 50% throughout the technologically advanced countries on earth, it is difficult to avoid the conclusion that the vast majority of the population in those countries is already substantially impacted. The same conclusion can be made based on the widespread nature of the neuropsychiatric effects in those countries. Both of those effects will get much worse even with no increase in current exposures, due to the cumulative nature and irreversibility of these effects. I expect we will see crash in human reproduction almost to zero as happened in the Magras and Xenos mouse study which I estimate to occur within about 5 years, without any increases in our exposures. Obviously 4G and 5G will make the situation much worse. Similarly I expect that the deterioration in brain function that we are already seeing will seal our fate if we fail to act rapidly and vigorously. Our collective brain function may become completely incapable of dealing with such a mega-crisis situation.

Now it can be argued that some of these may not develop as I expect, although those expectations are based on the best available evidence. One may even be able to argue this for all of those expectations. However, when we have substantial risk of multiple existential threats to every single technologically advanced country on earth, failure to act vigorously means there is a very high probability of complete destruction of these societies. And the chaos which would inevitably ensue, in a world that still has nuclear weapons, may well lead to extinction. In the face of these types or risk, the only reasonable course is to move with great vigor to stop new exposures and lower current exposures. One can still access the internet, using wired connections. And we can

lower cell phone tower and cell phone radiation substantially. Smart meters, if needed, can work via wired connections.

Over 60% of this document (Chapters 5 & 6), is focused on the failures of statements from SCENIHR, the telecommunications industry, the U.S. FCC and the U.S. FDA to reflect the science. Their statements repeatedly omit much, often all of the most important science. Their statements are rife not only with omissions, but also with easily demonstrable falsehoods and with false logic. These have often occurred at times where we know that they knew better. These have occurred along with vigorous efforts by the telecommunications industry to corrupt the science by attacking individual scientists whose only fault is that they have obtained important findings that the industry does not like. These attacks have occurred along with vigorous efforts to corrupt two agencies that have important regulatory roles.

Problems with 5G

The extraordinary numbers of 5G antennae in close proximity to homes, schools, hospitals and businesses.

Implications?

1. Impossible to avoid extraordinarily high level of pulsed exposures.
2. 5G millimeter wave effects penetrate at least 20 times more deeply than the industry claims possible.
3. Each of the previously discussed findings strongly suggest 5G wireless radiation will produce vastly greater health impacts than existing devices which already produce very large effects.
4. 5G radiation will produce severe effects on the outer parts of the body but will also produce much deeper effects in the body.

The above slide by Martin Pall has been attacked by critics far and wide. Dr. Pall is not looking to make a name for himself, nor is he a Johnny come lately at this new PhD in science or medicine. After I had read Dr. Pall's 90-page paper, I felt vindicated since I have been saying since late December, 2019, that 5G is directly linked to the alleged Covid-19. The Covid-19 was nothing more than a common cold weaponized with inserts of four other elements of pathogens. In the previous segment, I offered evidence to the effect that 5G activates Mycoplasma which lays dormant in every

human and animal form of life, a basic bacterium associated with decomposition at death. This Mycoplasma in its dormant state is looking for a host cell to survive off of and replicate itself. When 5G EMF activates the Mycoplasma, it so by attacking cell tissue that is out of balance in three areas:

1. pH balance
2. Oxygen balance
3. Immune balance

There are many allegations going back years that Mycoplasma is at the root of the dreaded Cancer diagnosis. If that is true, and more than a few doctors have been critical of the “Cash Cow” of health care field has not been about finding a cure for cancer as much as is building a clientele business. I am reminded of the fact of the over 100 medical researchers who died mysteriously over the past twenty years, which further raises suspicion about an industry that is owned by Big Pharma!

There are also possible concerns about individual industry-linked research studies. All wireless communication devices put out polarized EMFs that carry information via pulsations. Both the pulsations and the polarization make these EMFs much more biologically active. There are three other factors that also influence the production of effects. Several industry-linked studies may have used these factors, along with using very tiny numbers of individual animals in their studies, to produce studies which may have been designed to fail (Chapter 5). It is not clear at this point whether this type of concern is quite limited or whether it is very broad.

The European Commission has done nothing to protect European citizens from any of these very serious health hazards and the U.S. FDA, EPA and National Cancer Institute have done nothing to protect American citizens. The U.S. FCC has been much worse than that, acting vigorously with wanton disregard for our health.

The World Foundation for Natural Science in Lucern, Switzerland has stated:

The coronavirus SARS-CoV-2 was first detected in December 2019 in the Chinese city of Wuhan, Province of Hubei. The virus spread quickly from China to South Korea and Italy and finally throughout the world. Interestingly, the geographic spread and the severity of the disease matches the “route” of 5G. For example, the highest death rates outside of China occurred in places that are already implementing the 5G technology, such as South Korea and Italy.¹

- What the media did not report in its coverage about the coronavirus is the fact that China, in its rush to take the lead in the 5G race, by the end of 2019 had installed 130,000 5G antennas throughout the country, with at least 10,000 antennas installed in Wuhan alone.^{2 3} Wuhan is one of several Chinese cities which were chosen for 5G network testing in 2018 already.⁴
- While some countries, such as South Korea, Australia and part of the United States, have started 5G pilot projects, the Chinese government has embarked on a centrally planned and coordinated push to roll out the technology on a commercial basis, thus trying to secure the lead in the global race to install 5G wireless networks. While China by the end of the year 2019 had put into operation 130,000 antennas, South Korea was second with 75,000, followed by the USA with 10,000 antennas. It is estimated that of the 600,000 5G base stations expected to be rolled out worldwide in 2020, half will be in China.^{5 6}
- 5G antennas were also erected in the newly built hospitals in Wuhan: “Huawei is helping to fight coronavirus by installing 5G antennas at Wuhan Vulcan Mountain Hospital, which China is building in record time. Through the partnership with Hubei Mobile and Hubei Unicom, Huawei implemented in the hospital IT support with a high-speed 5G network.”⁷ Huawei with Hubei Mobile and Hubei Unicom builds 5G base stations in the Wuhan Vulcan Mountain Hospital to help fight coronavirus outbreak.”⁸
- The first coronavirus hotspot in Europe was Italy. In 2016 the European Union launched the “EU 5G Action Plan” in which each member state was called upon to equip at least one major city with 5G by the end of 2020. Italy had selected Turin for the first test networks, which became operational in 2018.⁹ In 2019, 5G was also implemented in the cities of Milan, Turin, Bologna, Rome und Naples.¹⁰
- Up to now, apart from Ireland, Italy is the only European country to have auctioned the high 5G frequencies (in the range of 27 GHz)¹¹ These high frequencies are scarcely investigated and their additional negative health impacts are unknown.
- Dr. Olle Johansson, neuroscientist from Karolinska Institute in Stockholm, Sweden, has compiled many studies showing the negative health impacts of radio frequencies in 2007 already.¹²
- Dr. Martin L. Pall, Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University, explained that radio frequency disturbs the voltage controlled calcium channels in the cell membrane, thus altering the concentrations of calcium and magnesium in the cells.¹³

- Compared to other frequencies, what is different with 5G? The higher frequencies, much more complex modulation types and the low-frequency pulsing of the signals probably will have even more far-reaching health consequences. In 2019, more than 250 renowned scientists appealed the UN to finally take the research seriously and to better protect mankind from electromagnetic radiation.¹⁴ 5G networks are not being built as a replacement to existing mobile phone networks but as a subsidiary, thus leading to a massive increase in radiation exposure.
- Is there a connection between the spreading of the coronavirus and 5G? One thing is certain: High frequency radiation weakens the immune system or even knocks it out completely, especially with pre-existing health conditions or chronic illnesses.¹⁵ 5G is what you could call an environmental pollutant. Added to other environmental pollutants such as air pollution or pesticides, 5G might just be the last straw that breaks the camel's back.

Sources:

1 During an 18-months stay in China, the US-American Paul Doyen collected extensive evidence on the coronavirus and 5G. Most of the statements are based on original, good documented sources: <https://www.electricsense.com/5g-coronavirus/>

2 <https://www.electricsense.com/5g-coronavirus/>

3 Yurou. (Oct. 31st, 2019). "Central China province launches commercial 5G applications." Xinhua Net. http://www.xinhuanet.com/english/2019-10/31/c_138517734.htm . Other sources even speak of 160'000 antennas.

4 <https://e27.co/china-start-testing-5g-16-major-cities-20180419/> und <https://technode.com/2018/04/19/5g-testing/>

5 Weissberger, A. (Oct. 31st, 2019). "China to launch 5G mobile networks on Friday with a huge government backed push." IEEE ComSoc (Communications Society) Technology Blog. <https://techblog.comsoc.org/2019/10/31/china-to-launch-5g-mobile-networks-on-friday-with-a-huge-government-backed-push/>

6 https://www.barrons.com/articles/the-real-5g-winner-could-be-china-51570228459?mod=article_inline

7 <https://engnews24h.com/huawei-installs-5g-in-china-hospital-to-fight-coronavirus/>

8 <https://www.gizguide.com/2020/01/huawei-5g-station-wuhan-fight-coronavirus.html>

9 <https://www.telecomtv.com/content/5g/italy-first-in-race-to-declare-its-5g-city-14457/>

10 https://www.gsmarena.com/italy_becomes_the_third_european_country_with_5g-news-37424.php

11 <https://5gobservatory.eu/5g-spectrum/national-5g-spectrum-assignment/#1563958389100-0edfce99-fd41>

12 https://bioinitiative.org/wp-content/uploads/pdfs/sec08_2007_Evidence_%20Effects_%20Immune_System.pdf

13 <https://peaceinspace.blogs.com/files/5g-emf-hazards-dr-martin-l.-pall-eu-emf2018-6-11us3.pdf>

14 <https://emfscientist.org/>

15 The study database <https://www.emfdata.org> can be searched for the keyword "immune system".

See recent write up on 5G risks, including mention of the Covid-19 by Dr. Martin Pall [here](#).

[Professor Emeritus Martin Pall, February 25, 2020: Massive Predicted Effects of 5G in the Context of Safety Guideline Failures: Very High Level VGCC Sensitivity to Low Intensity EMFs and Especially to Pulsations](#)

To wrap up this article up, we have looked at an obvious variety of indicting evidence that corroborate that 5G EMF technology is the cause of the alleged Corona virus being called Covid-19. Furthermore, something that is becoming evident of censoring is the fact that posts that mention the two names 5G and Corona virus in the title of an article or post, is being blocked. The host of a half dozen health sites are reporting being censored.

The link above is a summary of a paper that Dr. Martin Paul issued earlier this year. From everything we are able to glean, the cruise industry is finished. It was the petri dish that exposed this scam-demic. They can lie and lie but as long as 5G EMF is an integral part of the cruise ship industry, it will not take long to recognize the correlation between 5G EMF and Covid-19.

Blessings,

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<http://jesusisthewaythetruththelife.com/node/22>