Geoengineering: an unacknowledged source of ozone damage, metallic pollution and neurodegeneration

Introduction:
Are geoengineering and weather manipulation technologies in fact long deployed, leading to the currently manifest situations we see around us, where metallic particulates (magnetite) have been discovered and openly acknowledged as now residing within human brain tissues? What are the relations between all this secrecy, the military, current ozone damage and CO2, and then, is there photographic proof and a clear train of published events and ideas available within white papers and patents? What is the implied contaminant analysis of associated toxins, and in what degree of certainty is it based? How easy to spot is the ozone damage? Is the damage ongoing, or static? This brief document will touch upon those issues in a surface way, in hopes of bringing the suppressed facts to light.

Many have alleged that a covert program and associated technologies used to modify weather for military purposes has long been deployed, with detrimental consequences for public health due to metallic and other contamination, and radiations. Some 8 months past, these technologies were applied to the skies over my home and family, and I have found the following disturbing facts:

The singular design to "own" and manipulate the weather may be seen to emerge publicly in the speeches of L.B. Johnson. Again, the publicly released document "Weather as a Force Multiplier; Owning the Weather in 2025: Weather as a Force Multiplier." http://csat.au.af.mil/2025/volume3/vol3ch15.pdf makes the aim plain. That document was presaged by another, calling for weaponry akin to Reagan's desired "star wars" program. Then, patents were issued, and a host of illegal technologies spawned between American and British enterprises sprung up, technology which destroys ozone, as it "protects the public and nation." These communication and weapon technologies produce artificial aurora, and hence, odd N and odd H, leading to ozone destruction. It is the ongoing detrimental effects of these weapons that are covered up in the overemphasis of CO2 effects. The obvious hot spots, ozone damage and climate damage, are in fact due to the technology itself and related compensatory measures, which are sold to the public as helping 'manage' the 'problems' they in fact cause. This is what I have found.

History:
A superb detailing of the history dating back for nearly a century may be found here.
https://weathermodificationhistory.com/
I will lay out but a few threads to demonstrate the lineage of the thinking, and make its past deployment evident.

Reagan mentioning the notion of 'star wars'…a space based missile defense. It is often said he made it up, and it had no basis in reality. Reagan was in fact not standing on hollow ground, or so it seems.

In the document Satellite Power System (SPS) Military Implications October 1978

HCP/R-4024-01 DOE/NASA, we read:

> "The very large orbital power source of the SPS could have a number of potential military applications. Perhaps the most arresting, but certainly one in the very distant future is the possibility of developing an anti-ballistic defense weapon utilizing laser or particle beams. Nearer term possibilities include anti-satellite weapons and perhaps some form of psychological weapons.
>
> The ground segment is an appropriate receiving antenna array (rectenna), also with conversion equipment to transform. the received microwave energy to a form suitable for utility use. After being transformed the converted power is fed to the local utility grid for distribution. Satellite array and the rectenns are on the order of 100 square kilometers each in size, and the net output power to the utility is to be 5,000 megawatts.
>
> . . . an acquaintance with the Classified literature assures that this study is consistent with related broad national goals.
>
> The fact that the SPS is a space system, with the potential of carrying powerful new and unknown kinds of weapons, with a very large power capability, and potentially having "access" to (threatening?) most areas of the earth, would indicate that it constitutes a difficult question for international agreement."

Then a solution arrived: a patent for a ground based approach with similar capabilities:
METHOD AND APPARATUS FOR ALTERING A REGION IN THE EARTH'S ATMOSPHERE, IONOSPHERE, AND/ OR MAGNETOSPHERE
Eastlund
4,686,605
Aug. 11, 1987

> "The ideal combination of suitable field lines intersecting the earth's surface at the point where substantial fuel sources are available for generation of very large quantities of electromagnetic power, such as the North Slope of Alaska, provides the wherewithal to accomplish the foregoing in a practical time period, e.g., strategic requirements could necessitate achieving the desired altered regions in time periods of two minutes or less and this is achievable with this invention, especially when the combination of natural gas and magnetohydrodynamic, gas turbine, fuel cell and/ or EGD electric generators are employed at the point where the useful field lines intersect the earth's surface. One feature of this invention which satisfies a basic requirement of a weapon system, i.e., continuous checking of operability, is that small amounts of power can be generated for operability checking purposes. Further, in the exploitation of this invention, since the main electro magnetic beam which generates the enhanced ionized belt of this invention can be modulated itself and/ or one or more additional electromagnetic radiation waves can be impinged on the ionized region formed by this invention as will be described in greater detail herein after with respect to FIG. 4, a

substantial amount of randomly modulated signals of very large power magnitude can be generated in a highly nonlinear mode. This can cause confusion of or interference with or even complete disruption of guidance systems employed by even the most sophisticated of airplanes and missiles.

Small micron sized particles can be then transported, and, under certain circumstances and with the availability of sufficient energy, larger particles or objects could be similarly affected. Particles with desired characteristics such as tackiness, reflectivity, absorptivity, etc., can be transported for specific purposes or effects. For example, a plume of tacky particles could be established to increase the drag on a missile or satellite passing therethrough. Even plumes of plasma having substantially less charged particle density than described above will produce drag effects on missiles which will affect a lightweight (dummy) missile in a manner substantially different than a heavy (live) missile and this affect can be used to distinguish between the two types of missiles.

Electromagnetic pulse defenses are also possible. The earth's magnetic field could be decreased or disrupted at appropriate altitudes to modify or eliminate the magnetic field in high Compton electron generation (e.g., from high altitude nuclear bursts) regions. High intensity, well controlled electrical fields can be provided in selected locations for various purposes. For example, the plasma sheath surrounding a missile or satellite could be used as a trigger for activating such a high intensity field to destroy the missile or satellite.
Further, irregularities can be created in the ionosphere which will interfere with the normal operation of various types of radar, e.g., synthetic aperture radar. The present invention can also be used to create artificial belts of trapped particles which in turn can be studied to determine the stability of such parties. Still further, plumes in accordance with the present invention can be formed to simulate and/or perform the same functions as performed by the detonation of a "heave" type nuclear device without actually having to detonate such a device. Thus it can be seen that the ramifications are numerous, far-reaching, and exceedingly varied in usefulness.

15. The method of claim 14 wherein said site of natural gas is within the magnetic latitudes that encompass Alaska.

Some embodiments of the present invention require large amounts of power, e.g., up to $l0^9$ to $l0^{11}$ watts, in continuous wave or pulsed power."

Next, we have another patent:

5,038,664
Aug. 13, 1991
Eastlund Aug. 13, 1991

"Circularly polarized electromagnetic radiation is transmitted at a first frequency substantially parallel to an earth's magnetic field line to excite electron cyclotron resonance heating in normally occurring plasma at an altitude of at least about 250 kilometers to generate a mirror force which lifts said plasma to said altitude of at least about 1500 kilometers. Heating is continued at a second frequency to expand the plasma to the apex of said field line whereupon at least some of the plasma is trapped and oscillates between mirror points on said lines. The plasma will be contained within adjacent field lines and will drift to form a shell of relativistic particles around a portion of the earth.

It has heretofore been recognized that an intense focused beam of charged or neutral particles (e.g., plasma) can carry a potentially destructive amount of energy and is capable under certain circumstances of melting a hole in a piece of metal or of damaging even shielded electronic circuits. Recently, proposals have been set forth to exploit such particle beams as possible defense mechanisms to be used to protect against offensive missiles.

Given a large enough number of particles hitting the target in a short enough time, the deposited energy can become great enough to burn a hole in the "skin" of the target (e.g., missile) to detonate the chemical-explosive "trigger" of a warhead or to disrupt the electronics (e.g., guidance controls) inside the target vehicle. However, in these proposals, the accelerator has to be placed in orbit to generate the required "beam" of charged particles . . .

The stochastic heating will be continued until the electron energies reach the range of from about 2 to about 5 Mev, at which the electrons are relativistic because of the electron masses having been increased substantially due to their high velocities. This increases the density or electron concentration of the trapped plasma to 109 per cubic centimeter. The plasma will be confined between adjacent field lines and will form a shell of relativistic particles there between as these particles naturally "drift" around the earth. The shell so formed may be used as an anti-missile shield.

As the missile passes through shell 20, the (high intensity (e.g., 6 Mev) particles of plasma 12 penetrate the missile. As each particle does this, it loses energy princi pally by transferring energy to electrons in the missile by a series of elastic collisions giving a cascade of electrons which leaves the direction of the motion largely undisturbed. Eventually, the energy lost in the material of the missile manifests itself as heat, thereby raising the temperature of the material where the particles collide.

At the density and energy levels of plasma 12 within shell 20, the rate of energy deposition (i.e., heating) will be greater than can be dissipated and the material will melt or crack under thermal stress. Detectable damage will result either from burning through the walls of the missile's fuel container, damaging the electronic

> systems of the missile, or from detonation of the chemical explosive triggers of the missile's warhead; the latter requiring about 200 joules per cubic centimeter of material impacted. It can be seen from the above, that by generating a shell 20 of high density, relativistic particle plasma, an effective defensive shield can be provided to guard against offensive missiles.
>
> Antenna 15 is positioned as close as practical to the location 14 where line 11 intersects the earth's surface. Antenna 15 may be of any known construction for high directionality, for example, a phased array, beam spread angle (0) type; see "The MST Radar at Poker Flat, Alaska", Radio Science, Vol. 15, No. 2, March-April 1980, pps. 213-223."

Then HAARP:

NOTE WHO FUNDS DEVELOPMENT!

> The High Frequency Active Auroral Research Program (HAARP) funded by the U.S. Air Force, the U.S. Navy, the University of Alaska Fairbanks, and the Defense Advanced Research Projects Agency (DARPA),[1] designed and built by BAE Advanced Technologies (BAEAT). Established in: 1993 Gakona, Alaska, United States a high power, high-frequency phased array 5.1 Gigawatts or 97.1 dBW at maximum output. The Station is powered by a set of five (5) 2500 kilowatt generators being driven by EMD 20-645-E4 diesel locomotive engines. Continuous waves (CW) transmission is generally used for ionospheric modification, while transmission in short pulses frequently repeated is used as a radar system.

Next the reader must understand that these technologies, and many other variants some of which are portable, and many of which require no electrojet produce artificial aurora, and now, a bubble of associated Very Low Frequency (VLF) military emissions (wave forms with communications and other uses, such as draining the van Allen belts) issuing from these technologies has enveloped the planet, leading to ozone destruction. The geo-weaponized production of artificial aurora destroys ozone, and heats the planet by producing *optically thin clouds*. In support see: Avakyan, S.V., N.A. Voronin (2008).

Avakyan, S.V., N.A. Voronin (2008) TRIGGER MECHANISM OF SOLAR-ATMOSPHERIC RELATIONSHIP AND THE CONTRIBUTION OF THE ANTHROPOGENIC IMPACT Proceedings of the 7th International Conference "Problems of Geocosmos" (St. Petersburg, Russia, 26-30).
http://geo.phys.spbu.ru/materials_of_a_conference_2008/M/Avakyan_Voronin.pdf

This effect upon ozone is well known to those who design weapons:

In the US government military document: Contract N00014-90-K-2010 INTERACTION OF INTENSE LASERS AND RELATIVISTIC ELECTRON BEAMS WITH SOLIDS,

GASES AND PLASMAS www.dtic.mil/dtic/tr/fulltext/u2/a269655.pdf we read:

> "2. Effects Initiated in the Middle Atmosphere: These effects are associated with the precipitation of relativistic magnetospheric electrons modulated by the solar activity. The relativistic electrons produce odd nitrogen and odd hydrogen, both of them are involved in the catalytic destruction of the ozone layer. Proposed investigations include: a. modeling of the ozone depletion caused by the relativistic electrons, and estimating of a net reduction in the heating rate of the atmosphere."

Now, the weather service is under secrecy orders, and the facts concerning deadly ionizing UV radiation, including UVC which destroys DNA, are being concealed, to conceal the ozone damage and hence the existence of the weapons. Any citizen can confirm the UVC readings and dire situation with a simple meter of acceptable quality, such as the General UV 512C, or Omega brand units.

As is known: "UV-C, which is very harmful to all living things, is entirely screened out by a combination of dioxygen (< 200 nm) and ozone (> about 200 nm) by around 35 kilometres (115,000 ft) altitude." We may infer that as my meter is most assuredly measuring only radiation over 220 nm, it is the ozone which is missing.

New readings of 60 have been obtained in winter (Feb 8, 2018); then 68 (Feb 26, 2018), 72 (mid-March) and 77 (Apr. 10), the above UVC reading is from fall, indicating ongoing damage.

The ozone damage and thermal effects are handled via geoengineering. This is long deployed to cover up weapons system effects, and associated heating. Two basic methods are used:

1. Adding metals to clouds and atmospheric layers to alter optical properties and allow the manipulation of cloud structures, and creation of radiation blocking clouds with microwaves.

2. Imitation of volcanic effects to reduce thermal anomalies and block weapon induced solar radiations.

Please note the dates below! Brake dust and diesel exhaust are very old factors, the cases of pathology are relatively new. Build up from nanotoxins within tissues is the cause. The main cause of dementia is the ongoing manipulation of weather with metals, to hide the effects of ozone destruction (radiation increase) from deployed weaponry. First as to volcanic effects, and their imitation in geoengineering schemes:

In THE BENEFITS, RISKS, AND COSTS OF STRATOSPHERIC GEOENGINEERING http://climate.envsci.rutgers.edu/pdf/2009GL039209.pdf GEOPHYSICAL RESEARCH LETTERS, VOL. 36, L19703, doi:10.1029/2009GL039209, 2009, we read (see original article for embedded citations):

> The 1991 Mt. Pinatubo eruption injected 20 Tg SO_2 into the tropical lower stratosphere [Bluth et al., 1992], which formed sulfate aerosols and cooled the climate for about two years. As discussed by Robock et al. [2008], the equivalent of one Pinatubo every 4-8 years would be required to stop global warming or even reduce global temperature in spite of continued greenhouse gas emissions.
>
> While volcanic eruptions inject mostly SO_2 into the stratosphere, the relevant quantity is the amount of sulfur. If H_2S were injected instead, it would oxidize quickly to form SO_2, which would then react with water to form H_2SO_4 droplets. Because of the relative molecular weights, only 2.66 Tg of H_2S (molecular weight 34 g mol-1) would be required to produce the same amount of sulfate aerosols as 5 Tg of SO_2 (molecular weight 64 g mol-1). Since there are choices for the desired sulfate aerosol precursor, our calculations will be in terms of stratospheric injection of any gas. H_2S, however, is more corrosive than SO_2 [e.g., Kleber et al., 2008] and is very dangerous, so it would probably not be the gas of choice. Exposure to 50 ppm of H_2S can be fatal [Kilburn and Warshaw, 1995]. H_2S was even used for a time as a chemical warfare agent in World War I [Croddy et al., 2001]. However, 100 ppm of SO_2 is also considered "immediately dangerous to life and health" [ATSDR, 1998].

[see original article for references]

[An aside: Reader please note, NASA is in charge of a new project to tap the contents of the huge Yellowstone super-volcano. I suspect they are seeking a cost effective source of

SO_2 and H_2S, particulates etc., to distribute, by whatever means. NASA = Never A Straight Answer, by way of the common joke. Keep an eye on this project, for its actual purpose and any…"accidents." UVC readings rise and it is possible a physical barrier against increasing incoming radiations such as perhaps an ash or acid plume is needed. There is simply no good reason NASA should have a thing to do with this!]

There are a great many patents granted which indicate the dispersal of metals into the atmosphere to ameliorate the problems caused by man's initial tampering with the system.

These ideas and their implication are obviously quite old.

Excerpts from Hughes Aircraft patent 5,003,186, Mar 26 1991. http://www.freepatentsonline.com/5003186.pdf

> 1. A method of reducing atmospheric warming due to the greenhouse effect resulting from a layer of gases in the atmosphere which absorb strongly near infrared wavelength radiation, comprising the step of dispersing tiny particles of a material within the gases' layer, the particle material characterized by wavelength-dependent emissivity or reflectivity, in that said material has high emissivities with respect to radiation in the visible and far infrared wavelength spectra, and low emissivity in the near infrared wavelength spectrum, whereby said tiny particles provide a means for converting infrared heat energy into far infrared radiation which is radiated into space.
>
> The greenhouse gases layer typically extends between about seven and thirteen kilometers above the earth's surface. The seeding of the stratosphere occurs within this layer. The particles suspended in the stratosphere as a result of the seeding provide a mechanism for converting the blackbody radiation emitted by the earth at near infrared wavelengths into radiation in the visible and far infrared wavelength so that this heat energy may be reradiated out into space, thereby reducing the global warming due to the greenhouse effect.
>
> 12. The method of claim 10 wherein said material comprises aluminum oxide.
>
> 13. The method of claim 10 wherein said material is thorium oxide.
>
> For example, aluminum oxide ($Al_2 O_3$) is one metal oxide suitable for the purpose and which is relatively inexpensive.
> It is presently believed that particle sizes in the ten to one hundred micron range would be suitable for the seeding purposes. Larger particles would tend to settle to the earth more quickly.
> The particles in the required size range can be obtained with conventional methods of grinding and meshing.
>
> The greenhouse gases are typically in the earth's stratosphere at an altitude of

seven to thirteen kilometers. This suggests that the particle seeding should be done at an altitude on the order of 10 kilometers. **The particles may be seeded by dispersal from seeding aircraft; one exemplary technique may be via the jet fuel as suggested by prior work regarding the metallic particles.** Once the tiny particles have been dispersed into the atmosphere, the particles may remain in suspension for up to one year."

Of course then, they fall to earth. Please note reference above (emphasis added) to ***prior work*** seeding jet fuel with metals, and the date of 1991. The tools to do the job are already in place: the airline industry and military.

THE BENEFITS, RISKS, AND COSTS OF STRATOSPHERIC GEOENGINEERING Alan Robock, Allison Marquardt, Ben Kravitz, and Georgiy Stenchikov Department of Environmental Sciences, Rutgers University, New Brunswick, New Jersey, 2009

"Options for dispersing gases from planes include the addition of sulfur to the fuel, which would release the aerosol through the exhaust system of the plane, or the attachment of a nozzle to release the sulfur from its own tank within the plane, which would be the better option. . . .

The military has already manufactured more planes than would be required for this geoengineering scenario, potentially reducing the costs of this method. Since climate change is an important national security issue [*Schwartz and Randall*, 2003], the military could be directed to carry out this mission with existing aircraft at minimal additional cost. Furthermore, the KC-135 fleet will be retired in the next few decades as a new generation of aerial tankers replaces it, even if the military continues to need the in-flight refueling capability for other missions.

Unlike the small jet fighter planes, the KC-135 and KC-10 are used to refuel planes mid-flight and already have a nozzle installed. In the tropics, one option might be for the tanker to fly to the upper troposphere, and then fighter planes would ferry the sulfur gas up into the stratosphere (Figure 2b). It may also be possible to have a tanker tow a glider with a hose to loft the exit nozzle into the stratosphere."

Note from:

David L Mitchell and William Finnegan 2009 Environ. Res. Lett. 4 045102:

"Since commercial airliners routinely fly in the region where cold cirrus clouds exist, it is hoped that the seeding material could either be (1) dissolved or suspended in their jet fuel and later burned with the fuel to create seeding aerosol, or (2) injected into the hot engine exhaust, which should vaporize the seeding material, allowing it to condense as aerosol in the jet contrail. The objective would not be to seed specific cloud systems but rather to build up a background concentration of aerosol seeding material so that the air masses

that cirrus will form in will contain the appropriate amount of seeding material to produce larger ice crystals."

The projected time tables for H2SO4 deposition are ahead of schedule, and the first real note of sulphuric acid in jet emissions was in the 90s.

Source:

[https://climateviewer.com/2015/03/24/chemtrails-explained-the-geoengineering-srm-field-experiment/]

"… atmospheric sulfuric acid levels are higher today than what David Keith called for in 2020, according to Oscar Escobar:"

"According to Keith's calculations, if operations were begun in 2020, **it would take 25,000 metric tons of sulfuric acid to cut global warming in half after one year**. Once under way, the injection of sulfuric acid would proceed continuously. By 2040, 11 or so jets delivering roughly 250,000 metric tons of it each year, at an annual cost of $700 million, would be required to compensate for the increased warming caused by rising levels of carbon dioxide. By 2070, he estimates, the program would need to be injecting a bit more than a million tons per year using a fleet of a hundred aircraft."
"Given that by 1990 **global** aviation's **"annual contribution to the atmospheric sulfur budget by aircraft of 2.E7 kg H2SO4."** [3], and that by 2010 Aviation emissions . . . up 110% compared to 1990 levels [4] it is safe to assume that by the year 2013, H2SO4 by aircraft emissions is already at the level that would be required by 2020 for a geoengineering regime."

___

The chemistry which destroys ozone through these sulfides is well known to those creating the technology (the example below is but one of a great many):

"SRM introduces damages. There is an increase in the risks of destruction of stratospheric ozone due to SRM implementation"

Above quote from:
Climate policy under uncertainty: a case for solar geoengineering Juan B. Moreno-Cruz · David W. Keith Climatic Change 2012 DOI 10.1007/s10584-012-0487-4

Now, any quality UVC meter shows the result. The clouds block the deadly radiation the weapons have allowed in. Those clouds are infused with metals to change cloud and atmospheric layer optical qualities and allow nucleation and cloud manipulation (see photos below).

Toxic composition determined at 99 percent confidence interval:

There are two main component sources of particulate metals which have been revealed in rain water testing, soil testing and bodily tests:

1. Coal Fly Ash.

2. Engineered nanoparticulates.

The main source is coal fly ash. (Coal fly ash also contains all the ingredients of a sulfuric acid catalyst). J. Marvin Herndon has proven the fact many times over. His papers are sometimes suppressed, as they prove crimes against humanity. When I read the papers and noted the fact that they appeared correct, I wrote him, and he was determined on the point. He confirmed my reading to a tee. *Here is the right analysis*. Contact him. A fine scientist. Air tight work, and correct procedures, each analysis backed by others.

From: Evidence of Coal-Fly-Ash Toxic Chemical Geoengineering in the Troposphere: Consequences for Public Health, J. Marvin Herndon, 2015 International Journal of Environmental Research and Public Health (http://nuclearplanet.com/ijerph-original.pdf):

> "Abstract: The widespread, intentional and increasingly frequent chemical emplacement in the troposphere has gone unidentified and unremarked in the scientific literature for years. The author presents evidence that toxic coal combustion fly ash is the most likely aerosolized particulate sprayed by tanker-jets for geoengineering, weather-modification and climate-modification purposes and describes some of the multifold consequences on public health. Two methods are employed: (1) Comparison of 8 elements analyzed in rainwater, leached from aerosolized particulates, with corresponding elements leached into water from coal fly ash in published laboratory experiments, and (2) Comparison of 14 elements analyzed in dust collected outdoors on a high-efficiency particulate air (HEPA) filter with corresponding elements analyzed in un-leached coal fly ash material. The results show: (1) the assemblage of elements in rainwater and in the corresponding experimental leachate are essentially identical. At a 99% confidence interval, they have identical means (T-test) and identical variances (F-test); and (2) the assemblage of elements in the HEPA dust and in the corresponding average un-leached coal fly ash are likewise essentially identical. The consequences on public health are profound, including exposure to a variety of toxic heavy metals, radioactive elements, and neurologically-implicated chemically mobile aluminum released by body moisture in situ after inhalation or through transdermal induction.
>
> Keywords: geoengineering; coal fly ash; aerosol particulates; chemtrails; autism spectrum disorder (ASD); Alzheimer's disease; Parkinson's disease; attention deficit hyperactivity disorder (ADHD); neurological disorders; chemically mobile aluminum

In the spring of 2014, the author began to notice tanker-jets quite often producing white trails across the cloudless blue sky over San Diego, California. The aerosol spraying that was happening with increasing frequency was a relatively new phenomenon there. The dry warm air above San Diego is not conducive to the formation of jet contrails, which are ice condensate. By November 2014 the tanker-jets were busy every day crisscrossing the sky spraying their aerial graffiti. In a matter of minutes, the aerosol trails exiting the tanker-jets would start to diffuse, eventually forming cirrus-like clouds that further diffuse to form a white haze that scattered sunlight, often occluding or dimming the sun. Aerosol spraying was occasionally so intense as to make the otherwise cloudless blue sky overcast, some areas of sky turning brownish. . . . The necessity for daily aerosol emplacement stems from the relatively low spraying-altitudes in the troposphere where mixing with air readily occurs bringing down the aerosolized particulates and exposing humanity and Earth's biota to the fine-grained substance.

With its normally limited natural cloud cover San Diego is ideal for observing tanker-jet dispersal of ultra-fine particulates. Because the city lacks heavy industries and their particulate pollution, it is an ideal environment to ascertain by rainwater measurement the nature of the specific particulates being sprayed which are leached by rainwater. The author personally collected rainwater samples for chemical analysis and compared those data to corresponding average values of experimental leachate chemical analyses [10], which as shown below provides a firm basis for identifying the particulate substance being emplaced as an aerosol in the troposphere as coal fly ash. Because of persistent spraying, rainwater devoid of spray contamination was not available.

For three months during a period of intense aerial spraying in 2011, an individual in Los Angeles, California captured and had analyzed outdoor air-borne particulates. The results were posted on the Internet [11]; subsequently the author obtained the analytical laboratory report. The requested analyses returned results for aluminum, barium and twelve trace elements. But the meaning of the data was not clear at the time. Comparison of those data with corresponding pre-leach average coal fly ash chemical analyses (Table 1), as shown below, further reinforces the correctness of identifying the particulate substance as coal fly ash that is being sprayed into the troposphere by tanker-jets for geoengineering.

Like a fingerprint, the 8-element ratios of the San Diego rainwater extract of the tropospheric-emplaced particulate matter match element-by-element the laboratory water extract of coal fly ash within the range of observations. Said another way, the tropospheric-emplaced matter has the same water-leach characteristics as coal fly ash for at least eight elements, which is indeed strong evidence of the identification of the aerosolized substance as coal fly ash. For any indicated element the difference between the rainwater extract and average experimental coal fly ash element extract is less than the differences observed between the element extracted experimentally from the various coal fly ash

sources [10]. Without mass or volume totals, statistical treatment was somewhat limited. Nevertheless, at a 99% confidence interval, the assemblage of elements in the rainwater and in the corresponding experimental leachate have identical means (T-test) and identical variances (F-test). Furthermore, the 8-element "fingerprint" shown in Figure 3 is comprised of elements with different chemical properties and thus provides extremely strong validation of the hypothesis: Coal fly ash is most likely the aerosolized particulate sprayed in the troposphere by tanker-jets for geoengineering, weather-modification and climate-modification purposes."

From Further Evidence of Coal Fly Ash Utilization in Tropospheric Geoengineering: Implications on Human and Environmental Health by J. Marvin Herndon and Mark Whiteside 2017 (of the Florida Department of Health in Monroe County) DOI: 10.9734/JGEESI/2017/31417 Journal of Geography, Environment and Earth Science International, we read (see original article for embedded citations and laboratory techniques):

Abstract:
"We disclose a fourth independent line of evidence, based on the co-precipitation technique, pointing to coal fly ash as the material utilized in tropospheric geoengineering, and describe some of the adverse environmental and public health risks associated with its persistent application. During a snow storm, the fluffy snow traps geoengineering-aerosol-particulates and brings them down with the snow. The results of the ICP-MS analytical measurements of the snow-melt particulates we tested are consistent with three independent lines of evidence that coal fly ash is the main aerosolized particulate used for tropospheric geoengineering. Coal fly ash tropospheric geoengineering inhibits rainfall to change weather/climate which disrupts habitats, including arable habitats. Long periods of artificially induced drought can wreak economic disaster on farmers, and shift the delicate balance in nature, weakening natural defenses and giving a boost to aggressive pathogens. Coal fly ash when exposed to water or body fluids can release a host of toxic chemicals including neuro-toxic aluminum in a chemically mobile form and carcinogens such as arsenic, hexavalent chromium, and the radioactive elements, uranium, thorium and their daughter products. The only safe geoengineering is no geoengineering at all.

Fig. 2 shows the elemental analyses, normalized to barium, indicated by X's, of the solid matter brought down by the snow storm. The solid red lines indicate the ranges of the corresponding element ratios measured in 23 samples of European coal fly ash [21]. The blue lines indicate similar ranges for 12 American coal fly ash samples [22]. The variation in the ranges of the European and American coal fly ash result primarily as a consequence of different relative amounts of accessory elements that occur in coal. Variation also occurs as a result of different physical burner conditions. Note that the X's fall within or very near the ranges for the entire 22 element ratios determined from the evaporated snow-melt. This constitutes a preponderance of evidence that the snow had captured and brought

down aerosolized coal fly ash.

Statistical treatment of the measured elemental ratios is inappropriate as the comparison is not being made to one related set of data but to a group of independent sets of potentially variable populations. Nevertheless, there are two other independent sets of data which lend confidence to the coal fly ash data interpretation. These are elemental analyses of dust collected with high-efficiency air filters run outdoors for periods of three months, indicated by up-facing triangles, and fibers found on grass after snow had melted, indicated by open circles [4,5]. Whereas these three independent data sets are compared directly with coal fly ash, there is yet another different type of comparison. Analytical measurements of element ratios in filtered rainwater, presumably leached from aerosolized coal fly ash, are compared with laboratory leachate data on coal fly ash [3,4]. Those results show that the aerosolized particulate matter has the same water-leach characteristics as coal fly ash.

The results of the analytical measurements of the snow-melt particulates, as described here are consistent with three independent lines of evidence that coal fly ash is the main aerosolized particulate. This is also consistent with the economics and logistics of near-daily, near-global tropospheric spraying. Coal fly ash is a major industrial waste product that in Western nations must be trapped and sequestered. As trapped it is composed of micron and submicron size grains. Coal-burning utilities possess the necessary production facilities for electrostatic trapping coal fly ash.

Furthermore, for utilization of tens of millions of tons per year, coal fly ash is much less costly than manufactured ultra-fine particulates. Moreover, it has desirable properties for weather/ climate alteration. Coal fly ash retards the nucleation of rain not only by interfering with moisture droplet coagulation, but also by absorbing moisture. Sprayed into the troposphere, coal fly ash retards heat loss from the Earth and warms the atmosphere. As the typically dark ash settles on ice and snow it absorbs heat and changes the albedo. All of these properties suggest that one effect of the ongoing tropospheric geoengineering, whether intended or not, is to intensify the warming of the planet.

One major purpose of coal fly ash tropospheric geoengineering is to inhibit rainfall either to change weather/climate or to deliberately cripple an agricultural economy and inflict hardship and suffering [5]. Concerted tropospheric geoengineering with coal fly ash disrupts habitats, including habitats where humans have found arable conditions. Long periods of artificially induced drought can wreak economic disaster on farmers, and shift the delicate balance in nature, weakening natural defenses and giving a boost to aggressive pathogens, such as extreme-tolerant fungi. Added to soil coal fly ash can alter the pH and release readily leached toxins such as aluminum in a chemically mobile form which is detrimental to many plants and animals, including humans [24]. Coal fly ash is an unnatural product which when exposed to water or body fluids can

release a host of toxic chemicals including aluminum in a chemically mobile form. Aluminum is associated with and implicated in human neurological diseases, such as Autism Spectrum Disorders, Alzheimer's, Parkinson's and Attention Deficit/Hyperactivity Disorder [25-29]. Aluminum is similarly involved in neurological disorders of bees [30], rats [31], rabbits [32] and presumably other creatures. Aluminum is also thought to decrease male fertility [33]. Yet aluminum is but one of a number of toxic heavy-metal elements contained in coal fly ash that can be extracted by water or by body moisture; these include, for example, carcinogens such as arsenic, hexavalent chromium, and the radioactive elements, uranium, thorium and their daughter products.

Evidence indicates that coal fly ash has been being sprayed into the troposphere for at least 15 years, and, because the covert nature of the operation, there have been virtually no public health and environmental health investigations in the scientific literature, a situation the authors believe the scientific community should no longer ignore. Some guidance, however, is available from extensive studies [34] of pollution particles ≤ 2.5μ across, approximately the same particle size range of aerosolized coal fly ash [35]. Pollution particles in that size range (PM2.5) from epidemiological studies are associated with: Alzheimer's disease [36,37], lung cancer [38], risk for stroke [39], risk for cardiovascular disease [40], lung inflammation and diabetes [41], reduced renal function in older males [42], morbidity and premature mortality [43-45], decreased male fertility [46], low birth weight [47], onset of asthma [48], and increased hospital admissions [49]."

Please understand the importance of what I have just shown you:

IT IS NOW PROVEN TO A 99 % CONFIDENCE INTERVAL THAT THE CITIES OF SAN DIEGO AND LOS ANGELES HAVE BEEN ILLEGALLY EXPERIMENTED UPON AND THEIR POPULATIONS POISONED BY THE US GOVERNMENT.

Reader, please do closely examine the following:
http://nuclearplanet.com/ijerph-original.pdf
http://nuclearplanet.com/mw1.pdf
http://nuclearplanet.com/indjsrt.pdf
http://nuclearplanet.com/2173.pdf
http://nuclearplanet.com/frontiers1.pdf

Photographic evidence:

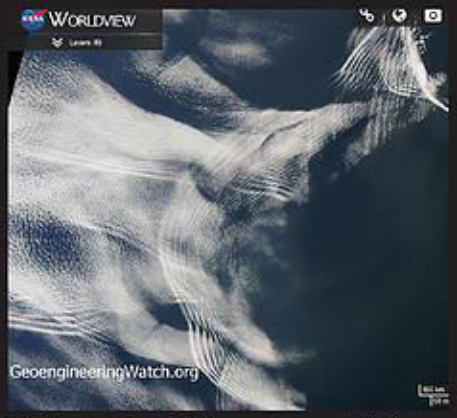
There is ample satellite evidence of the massive spraying of unknown toxins and chemicals upon world populations.

http://www.geoengineeringwatch.org/climate-engineering-fact-and-photo-summary/

Photos below used with permission of Dane Wigington and Geoengineeringwatch.org.
There is ample photographic evidence of these manipulations across the globe:

What experiments are governments around the world carrying out in our skies without the knowledge and consent of populations?

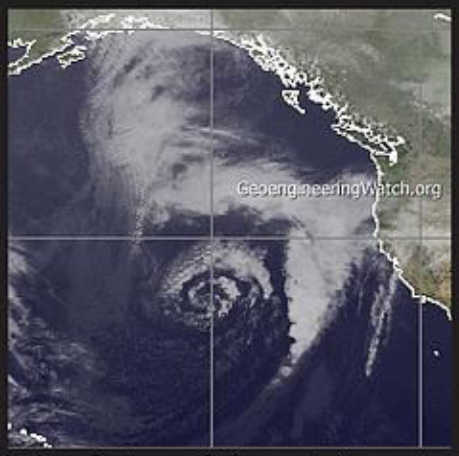
NASA satellite image of the California coastline (radio frequency / microwave transmission manipulation of aerosolized cloud cover / marine layer).



NASA image taken of African west coast (radio frequency / microwave transmission manipulation).

An aircraft dispersion of climate engineering particulates is manipulated with radio frequency / microwave transmissions. Palm Springs, California. Photo credit: Ron Morgan

An existing atmospheric saturation of climate engineering particles is manipulated with radio frequency / microwave transmissions. Port Washington, New York. Photo credit: Matt Jared.



NOAA satellite image, radio frequency / microwave transmission manipulation of Eastern Pacific storm system

NASA satellite image, radio frequency / microwave transmission manipulated square cloud formation

How unnatural do our skies need to become before populations begin to look up and investigate?

Yet more damning excerpts from the 750 page US Senate / Federal Weather modification document are below:

CHAPTER 10

INTERNATIONAL ASPECTS OF WEATHER MODIFICATION

(By Lois McHugh, Foreign Affairs Analyst, Foreign Affairs and National Defense Division Congressional Research Service)

INTRODUCTION

Recent years have seen increased international awareness of the potential benefits and possible risks of weather modification technology and increased international efforts to control such activities. The major efforts of the international community in this area are to encourage and maintain the high level of cooperation which currently exists in weather reporting and research and to insure that man's new abilities will be used for peaceful purposes rather than as weapons of war. This two sided approach is evident in the activities of the United States which has strongly encouraged and supported cooperative efforts to gain knowledge of the weather and at the same time has endeavored to restrict the use of this knowledge to peaceful purposes through the adoption of international agreements.

Weather research and reporting has long been one of the areas having the closest international cooperation. Because of the global nature of weather systems, making the prediction of weather in one area dependent on reported weather in other parts of the world, cooperation and exchange of information and techniques of weather research and reporting are necessities. This cooperation transcends ideological differences and hostilities.

International cooperation in the exchange of ideas on and methods of weather modification has also been extensive. Many well attended

CHAPTER 12

ECONOMIC ASPECTS OF WEATHER MODIFICATION

(By Warren Viessman, Jr., Senior Specialist in Engineering and Public Works, Congressional Research Service)

INTRODUCTION

Several weather modification processes have economic implications of great significance. Many sectors of agriculture, industry, and commerce may reap benefits or sustain losses as a result of shifts from historic weather trends. The difficulty is that until the technology is more highly developed and control systems perfected to permit reliable predictions of outcomes, attempts to quantify benefits and costs will, in many cases, be more academic than practical.

The Commission also recommended that greater use be made of statisticians in analyzing Government-sponsored research in weather modification and that statistics be given greater emphasis in related academic programs for meteorologists. In addition, there is a need to assess more fully the social and economic implications of weather modification experimentation, and all agencies engaged in weather modification attempts should give attention to the social implications.

With regard to the legal system, the Commission recommended that the Federal Government be empowered by appropriate legislation to: (a) delay or halt all activities—public or private—in actual or potential conflict with weather and climate modification programs of the Federal Government; (b) immunize Federal agents, grantees, and contractors engaged in weather and climate modification activities from State and local government interference; and (c) provide to Federal grantees and contractors indemnification or other protection against liability to the public for damages caused by Federal programs of weather and climate modification.

The yellow highlighted statements on the document above are of particular interest. In summary, this US Senate document calls for the complete cooperation with NORMALLY ADVERSARIAL NATIONS due to cross border ramifications from climate engineering. All major powers are colluding, collaborating and cooperating in regard to the ongoing climate engineering crimes and coverup.

Nyon, Switzerland. Photo credit: Romain Silvestre

Livingston County, Michigan. Photo credit: Lyn Connolly

Knoxville, Tennessee. Photo credit: Marla Stair-Wood

Palmdale, California. Photo credit: Petie Cepeda

Climate modification and microwave transmissions

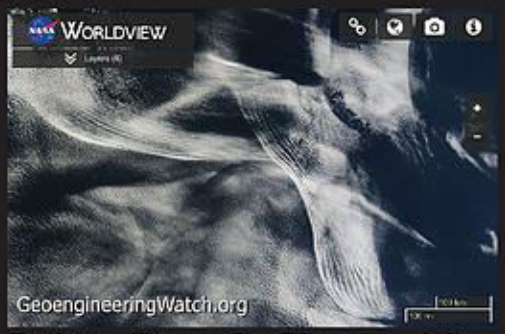
Populations are blindly accepting and ignoring the dangerous radio frequency / microwave transmission towers that are increasingly being constructed throughout our country (and the world). If you thought transmission towers were only for cell phone signal repeating, this is not the case.

Radio frequency / microwave transmission towers in Redding, California. Photo credit: Jovyde Wigington

The massively powerful HAARP ionosphere heater transmission facility in Alaska.

Sea based X-band radio frequency / microwave transmission platform.

SBX transmission platform interior transmitter.



This NASA satellite image taken off the west coast of Africa reveals extensive microwave transmission manipulation.

This NASA satellite image clearly reveals many overlapping radio frequency / microwave transmissions in aerosolized cloud formations.

The ongoing atmospheric aerosol spraying and microwave / radio frequency transmissions are wreaking havoc with the Earth's life support systems and human health.

London. Photo credit: Ben Collinge, 2018

My tests:
I have tests of my body, hair, water, rain and crops. I will include this test, you may see a pan of fresh water left out for a week at the height of summer spraying. Note contaminants associated with fly ash, collected entirely from the air I breathe (contamination here is heavy, I suggest you test your rain water):

basic laboratory
www.basiclab.com
2218 Railroad Avenue voice 530.243.7234
Redding, California 96001 fax 530.243.7494
3860 Morrow Lane, Suite F voice 530.894.8966
Chico, California 95928 fax 530.894.5143

Report To: NORMAN, RICH
POST OFFICE BOX 387
O'BRIEN, OR 97534
Attention: RICH NORMAN
Project: GENERAL TESTING
Description: AIR/WATER SAMPLE
Matrix: Water

Lab No: 17I0245
Reported: 09/27/17
Phone: (541) 287-0163

Lab ID: 17I0245-01

Sampled: 09/04/17 15:00
Received: 09/07/17 09:51

Metals - Total

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Aluminum	ug/l	**309**		1.5	5.0	EPA 200.8	09/25/17	09/19/17	B7I0965
Barium	"	**73.6**		0.1	0.5	"	"	"	"
Molybdenum	"	**0.4**	J	0.1	0.5	"	"	"	"
Strontium	"	**173**		0.1	0.5	"	"	"	"
Vanadium	"	**1.4**		0.1	0.5	"	"	"	"

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). The J flag is equivalent to the DNQ Estimated Concentration flag.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL/ML	Minimum Level of Quantitation
MCL/AL	Maxium Contaminant Level/Action Level
mg/kg	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure
Note 1	Received Temperature - according to EPA guidelines, samples for most chemistry methods should be held at ≤6 degrees C after collection, including during transportation, unless the time from sampling to delivery is <2 hours. Regulating agencies may invalidate results if temperature requirements are not met.
Note 2	According to 40 CFR Part 136 Table II, the following tests should be analyzed in the field within 15 minutes of sampling: pH, chlorine, dissolved oxygen, and sulfite.

Approved By

Basic Laboratory Inc
California ELAP Cert #1677 and #2718

Implications.

It is well and long known that these toxins, and even more strikingly, these *Particle Sizes*, create disease:

Bondi SC. Prolonged exposure to low levels of aluminum leads to changes associated with brain aging and neurodegenreation. Toxicol. 2014;315:1-7. 26.

Good PF, Olanow CW, Perl DP. Neuromelanin-containing neurons of the substantia nigra accumulate iron and aluminum in parkinson's disease: A lamma study. Brain Research. 1992;593:343-346.

Prasunpriya N. Aluminum: Impacts and disease. Environ. Res. 2002;82:101-115.

Rondeau V, Jacqmin-Gadda H, Ciommenges D, Helmer C, Dartigues JF. Aluminium and silica in drinking water and the risk of alzheimer's disease or cognitive decline: Findings from 15- year follow-up of the paquid cohort. Am. J. Epidemiol. 2009; 169:489-496.

Yokel RA, Rhineheimer SS, Sharma P, Elmore D, McNamara PJ. Entry, half-life and desferrioxamine-accelerated clearance of brain aluminum after a single al-26 exposure. Toxicol. Sci. 2001;64:77

Aluminium oxide nanoparticles induce mitochondrial-mediated oxidative stress and alter the expression of antioxidant enzymes in human mesenchymal stem cells. Ali A. Alshatwi, Periasamy Vaiyapuri Subbarayan, E. Ramesh, Amal A. Al-Hazzani, Mohammed A. Alsaif & Abdulrahman A. Alwarthan Food Additives & Contaminants: Part A Vol. 30 , Iss. 1,2013
http://www.tandfonline.com/doi/abs/10.1080/19440049.2012.729160

Size-Dependent Neurotoxicity of Aluminum Oxide Particles: a Comparison Between Nanoand Micrometer Size on the Basis of Mitochondrial Oxidative Damage. Mirshafa A Nazari M Jahani D Shaki F Biol Trace Elem Res. 2017 Aug 30. doi: 10.1007/s12011-017-1142-8.
https://www.ncbi.nlm.nih.gov/pubmed/28856594

Neurotoxicity of nanoscale materials
http://www.sciencedirect.com/science/article/pii/S1021949814000131

Uptake of Silica Nanoparticles: Neurotoxicity and Alzheimer-like Pathology in Human SK-N-SH and Mouse Neuro2a Neuroblastoma Cells
https://www.researchgate.net/publication/262341676_Uptake_of_Silica_Nanoparticles_Neurotoxicity_and_Alzheimerlike_Pathology_in_Human_SK-N-SH_and_Mouse_Neuro2a_Neuroblastoma_Cells

Nanoparticles Can Damage DNA, Increase Cancer Risk
https://www.sciencedaily.com/releases/2007/04/070417154357.htm

Neurotoxicity of silica nanoparticles: brain localization and dopaminergic neurons damage pathways
https://www.ncbi.nlm.nih.gov/pubmed/21526751

Size-Dependent Neurotoxicity of Aluminum Oxide Particles: a Comparison Between Nano- and Micrometer Size on the Basis of Mitochondrial Oxidative Damage
https://www.ncbi.nlm.nih.gov/pubmed/28856594

Aluminum feminizes Human offspring.

". . . workers in the aluminum industry (Milham, 1993), and others exposed to organochlorine, as well as other pesticides, and waste anesthetic gases (Wyatt & Wilson, 1973) had significantly more female than male offspring."
Rittler, Mônica, & Castilla, Eduardo E.. (2002). Endocrine disruptors and congenital anomalies. Cadernos de Saúde Pública, 18(2), 421-428. https://dx.doi.org/10.1590/S0102-311X2002000200006

Strontium overload and toxicity: impact on renal osteodystrophy. Nephrol Dial Transplant. 2002;17 Suppl 2:30-4. Cohen-Solal M
https://www.ncbi.nlm.nih.gov/pubmed/11904356

"Studies have demonstrated an association between the accumulation of strontium in bone and the presence of osteomalacia. . . . Studies indicated that the accumulation of metals in bone might be synergistic. Aluminium bone content was shown to be higher when both aluminium and strontium were administered compared with when only strontium was given."

Strontium substitutes for calcium.

I believe that: Multiple myeloma, cancers of the bone and aluminum related bone diseases are assured. Aluminum is a cumulative toxin.

From:

Aluminium and bone disease in chronic renal failure
Malluche HH Nephrol Dial Transplant. 2002;17 Suppl 2:21-4.
https://www.ncbi.nlm.nih.gov/pubmed/11904354

"Because aluminium is sequestered in bone for long periods, its toxic effects are cumulative. As a result, even intermittent or low-dose use of aluminium-based phosphate binders adds to the total load of this toxin in the bone; thus, aluminium use is inadvisable, even for a 'rescue indication'."

———

I conclude we see one of the largest crimes ever perpetrated. Please observe:

At—LA: 3.976 Million population and San Diego: 1.407 Million population—

We may estimate a conservative total of over 5 million people. Let us reduce the likely twenty years of life taken from each citizen to ten, and find a conservative figure of 50 million years of life stolen by geoengineering in just those two cities! The contaminant analysis is at 99 percent confidence interval. To consider the demonstrated worldwide population effects I (being of Jewish descent) deduce: this is a crime against humanity, larger than that of the Nazis.

Scientists discuss these topics: https://www.youtube.com/watch?v=FeTaejpg18g

Please read the complete analysis in, *The Answer: Roadmap for a New Humanity*.

For more information, I may be contacted through the staff contact page at www.mindmagazine.net

Rich Norman
School of Advanced International Studies on Applied Theoretical
and Non Linear Methodologies of Physics, Bari, Italy.
Editor, *Mind* magazine; Editor, *Journal of Unconscious Psychology*;
Scientific Advisor Thunder Energies Corporation
https://www.researchgate.net/profile/Rich_Norman/publications