Geoengineering
Not
Chemtrails

Investigation
Into
Humanities
6th Great Extinction

James W. Lee
A Tribute

*Everything flows, floats and moves. There is no state of equilibrium—there is no state of rest.*
—Victor Schauburger (1885–1958)

Viktor Schauburger made an extraordinary contribution to knowledge of the natural world. He is celebrated for his huge respect for Nature. He pioneered discoveries in the water sciences, in agricultural techniques, and in the energy domain—what enhances and what harms life. Mr. Schauburger showed that when the natural ecosystems are in balance and biodiversity rules, there is great creativity and evolution of higher and more complex life forms, but also order and stability.

When humans walked lightly on the Earth, we cooperated with Nature. While still part of her, we greatly abuse her, and ourselves. Mr. Schauburger warned us eighty years ago that if we continued to go against Nature, the Earth’s ecosystems would become sick, the climate destructive and human society would break down with extreme violence, greed and pandemic illness. Now we face the comeuppance of

What they called heaven is in reality a concentration similar to a fructigen-sac in a fertilized egg, which floats and slowly turns around its own axis under the influence of constantly-fluctuating variations in temperature. In the process, a gentle life-current will be emitted in the form of impulses which, with a moist tongue, can be sensed as a coolness at the pointed end of the egg and as a warm at the rounder end.

If the gyrations of this life-motor are increased through higher temperatures produced by a brooding hen or the brooding Sun, then in the protoplasm, enclosed by the coarse and fine material of the eggshell, a mysterious weaving and coiling about the yolk begins. A maternalistic expansion and an enveloping, loving and nurturing motion begins, which leads to consumption of that substance in which has been instilled the irresistible urge so ardently awaited.

—Viktor Schauburger “Nature As Teacher”
Dedication

This book is dedicated to my son, Jaxson, and all children of this Earth, as well as all sentient life. They deserve much better than their lives that are being tragically cut short because all just don’t care enough to stop causing such life ending events occurring all over Earth today though anthropogenic practices greatly accelerated by geoengineering of our skies.
Preface

People will do anything, no matter how absurd, in order to avoid facing their own souls. One does not become enlightened by imagining figures of light, but by making the darkness conscious. —Carl Jung

Caveat Emptor: Much of the information presented here is new to most readers and even those keeping up with the persistent, consistent geoengineering of our skies all over the world today.

Please take nothing in this book as fact or true. This is only a guided outline to connect many dots regarding geoengineering and weather manipulation by military, government and private corporations.

The information provided is a compilation of over a decade of research on climate weather modification aka Geoengineering. We ask that the term “chemtrail” not be used, as it is not recognized as a scientific term and those in power to stop such practices can claim plausible denial and not be held accountable.

The material in this book is compiled by many varied sources and may be perceived as very dark, dense and deep. Please ground yourself and allow time to process the many meanings behind such evil being perpetrated on all.

Factoid: Aerosol spraying over our heads had been going on for decades now without notice or alarm by the majority living on Earth at this time.

We must halt all geoengineering practices immediately and let are only Mother Earth heal before we no longer have that choice.
If geoengineering continues unabated, and the ozone layer is completely destroyed, it will be game over for us all. No ozone layer = no life on Earth.

It’s that simple.

- Geoengineering is tearing apart the entire fabric of life on our planet.
- Geoengineering is poisoning our air, waters, and soils.
- Geoengineering is pushing increasingly erratic atmospheric processes resulting from human-propelled climate change past the Chaos threshold into unpredictable, self-reinforcing, cascading events.
- Geoengineering is disrupting the jet stream and all natural weather patterns, which in turn is fueling catastrophic climate feedback loops, the most dire of which are mass methane hydrate releases from the Arctic tundra and sea floor.
- Geoengineering is destroying the stratospheric solar radiation shielding, which protects all life on Earth.
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If You Do Not Change Direction You May End Up Where You Are Heading — Lao Tzu

Geoengineering—The artificial modification of Earth’s climate systems through two primary ideologies, Solar Radiation Management (SRM) and Carbon Dioxide Removal (CDR).

Chemtrails is another name used as a psychological operation (PSYOP) because science does not recognize this term, so they can deny all day that they know nothing about what your talking about if you use this word to describe the sky painting going on over our heads on a regular basis.

Some terms to use that government and science do recognize are: Climate Engineering, Strategic Aerosol Geoengineering (SAG), Solar Radiation Management (SRM) and even “Persistent Contrails,” which is debunked as a possibility given today’s jet engine technologies on most commercial and military aircraft flown today.

Truth be told, not sold, the forests are dying, the oceans are dying, the Earth is dying, and even at this late hour the vast majority of first world societies remain in total ignorance, denial and apathy that is manifested in many forms. The ever growing list of extreme weather events and unfolding world die-offs are not discussed or disclosed by the power structure sold by a vast corporate media machine designed for mass distraction and disinformation.

Industrialized/militarized civilization is in its death throes, the pounding of Earth by covert climate engineering assault is a testimony to the near total loss
of sanity in modern society today. Every breath we take is now toxic, air particulate pollution is taking immense toll on human health. The largest source of this atmospheric pollution, climate engineering, is systematically denied by the world’s central banker controlled “experts” whose paid for opinions and biased research is blindly accepted as gospel truth by nearly everyone. Denial is not just a river in Egypt but a mass psychosis of the willful, yet social media correct, ignorant mass of “sheeple” among us all today who completely choose to ignore the root and principle causes of weather and sentient life extinction gone wild around, and to, our world today.

“We have film footage of these tankers spraying at altitude, up close nozzles visible. We have close up photographs of these nozzles right behind the engines. At that point the argument ends. We have footage of the crime happening. There is no argument or dispute-it is absolutely going on. We have President Obama going on record saying that climate change is the greatest national security threat of all. Do you think that they would ask our permission before they do this? That is a very naive though.”

—Dane Wiggington, www.geoengineeringwatch.org

Those who have the courage to even speak truth to power about geoengineering practices above us all, on a near daily basis now, face draconian consequences from a societal system that in so many ways has abandoned any sense of reason or morality about our collective upcoming immortality due to climate chaos, made worse by Geoengineering, not to mention the legacy of the Baby “Doomers” who remain ever so silent and sidelined while Earth is put in peril.

If you Google search chemtrails or geoengineering and pick nearly any city in the world, you will see unaltered original real photographs taken in nearly every country you search of these activities hidden in plain sight overhead. There are over 150 legal documents (US Patents) that evidences weather modification also known as geoengineering that can be found in Appendix II of this book. Many of these patents cannot be employed or used unless used in aerosol spraying.
We’ve Being Sprayed Like Bugs for Decades

Furthermore, and should be even more disturbing to all, is that we have all been sprayed like insects without notification or permission, since at least the mid 1940’s. The US Military, with or without government approval, has used its citizens as lab rats for decades paid for with US taxpayer dollars. Nice huh?

In 1955, “Operation Drop Kick,” released infected mosquitoes on poor African American populations in Georgia and Florida; it was part of a much larger Tuskegee Operation that lasted between 1932 to 1972, without consent or knowledge from the targeted innocent poor. Another example of just one of hundreds of aerosol spraying conducted over unsuspecting populations over the past decades was the 1966 spraying of bacteria over San Francisco residents to allegedly test what biological weapons could be used to help spread a biological weapon in a “simulated germ-warfare attack.” At that time, according to Rebecca Kreston for Discover Magazine, it was “one of the largest human experiments in history” and “one the largest offenses of the Nuremberg Code since its inception.”


Fast forward to today where retrofitted drone C141’s and the like, spray regularly over all skies, domestic and abroad, with chemicals containing aluminum, barium, strontium, lithium, formaldehyde, as well as nano-particulate matter Smart Dust, that we all have up taken and ingested.

There is no such thing as organic food anymore. All soil, water, and air have nano-particulate matters from decades of near daily spraying above us. The citation below is from an alleged whistle-blower using the name Locke about spraying conducted in the spring of 2015 in Southern Oregon:

“For example, I could have warned thousands of people of the ongoing (as of January 2015) spraying to manufacture air stagnation in the Rogue and Umpqua [river] Valleys, as well as much of the Oregon Coast south of Florence. The artificially induced period of air stagnation is part of a larger experiment testing the efficacy of psychoactive chemical dispersal from high altitudes.
Currently, spraying is most intense along the coast itself and above inland valleys. The stagnant air currents in the region allow for more direct application of psychoactive agents to test populations. I have little formal contact with the chemistry department, but to my knowledge, Lithium is the primary substance being dispersed in the aforementioned experiment.

Given the psychoactive and social nature of the ongoing tests, my department is playing a secondary role collecting water and soil samples. The Sociological Research Division however, has operatives throughout the region gathering a massive amount of data regarding the test population’s behavioral traits, like consumer habits, political engagement levels, and awareness of geoengineering programs. I would urge you to inform your friends and peers of this fact, as avoiding observation by refusing to take surveys and engaging in similar actions that can disrupt this sordid research.”

Excerpt from Locke’s Second Letter: “These dispersal plumes contain lithium and other psychoactive compounds. The areas targeted as of March 1st (2015) are inland valleys and coastal towns south of Florence. Over the next two months, additional spraying operations will be conducted to increase targeting areas in the Portland metropolitan area.”

In both letters, he explains that he is “an employee of a weather data collection company and, by proxy, a subcontractor for the National Weather Service office in (central Oregon). In my work for the aforementioned institutions, I collected data, e.g., soil samples, that were used to direct spraying operations for the last three years.”

Factoid: Soldier—known as “Sold to Die” by those in power, which is why they are required to wear “Dog Tags” as identification.

Additionally, as of a federal judges ruling in April 2014, the US Army must inform all veterans of any potentially harmful health effects stemming from the secret medical and drug experiments conducted on them during the Cold War. According to a report by Courthouse News wire service, some 7,800 soldiers claimed to have been involved in these experiments. After recruiting
Nazi scientists to help assist in eugenics, mind control and rocket experiments through a program called “Project Paperclip,” the Army and CIA administered between 250 and 400 kinds of drugs to the soldiers in an attempt to advance US ability to wage war. Among the many drugs used were Sarin, amphetamines, LSD, mustard gas, THC, incapacitating agents, and phosgene, a chemical weapon used in trenches during WWI. By administering these drugs and others, the military hoped to uncover new ways to control human behavior, pinpoint weaknesses, hypnotize, and increase an individual’s resistance to torture.

These experiments began in the 1950s and continued until President Richard Nixon halted research into offensive chemical weapons in 1969 when these programs were put off the publics radar screens. Although soldiers signed consent forms agreeing to undertake the experiments, the soldiers argued in court they essentially had no other choice under training that directed them to follow orders. Veterans also argued these forms violated international law and the Wilson Directive, which mandates voluntary consent as “essential.”

Fast forward to today and the very same technology perfected by spraying on the unknowing, is a new form of disease being labeled by the Alternative Media as “Chemflu.” Those of us who have been observing the sky painting going on over our heads for years have noticed of late a very appreciable increase in intensity and regularity of spraying as well as new types of aerosol sprays. Geoengineering watchers know of many different types of aerosol spraying applications including, scalar waves for weather modification, mind control with trails that persist, lower and spread over the course of an hour or more as well as new types of spraying being labeled, “black chemtrails.”

On my YouTube channel, aplanettruth.info, I recently posted a video documentary titled, “Chemtrail Flu Going Viral Worldwide.” Soon after reports came in around the world of sudden increases in spraying in conjunction with
flu like respiratory ailments, vomiting and stomach flu. This cannot be just another “coincidence theory.”

**Morgellons Disease— A Geoengineered Illness**

Below is a list of some of the known chemicals found in a chemicals and metals used in geoengineering practices world-wide. *Ingredients are mixed in an aerosol cocktail* and contain basic ingredients such as barium chloride, aluminum oxide, synthetic polymers, bio-nano particles, and ethylene dibromide. An independent analysis of geoengineered fallout has conclusively identified many of these toxic chemicals:

- Aluminum oxide particles
- Arsenic
- Bacilli and molds
- Barium salts
- Barium titanate
- Cadmium
- Calcium
- Chromium
- Desiccated human red blood cells
- Ethylene bromide
- Enterobacter cloaca
- Enterobacteriaceae
- Human white blood cells—A (restrictr enzyme used in research labs to snip and combine DNA)
- Lead
- Mercury
- Methyl aluminum
- Mold spores
- Mycoplasma
- Nano-aluminum-coated fiberglass
- Nitrogen trifluoride (CHAFF)
- Nickel
- Polymer fibers
- *Pseudomonas aeruginosa*
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*Pseudomonas fluorescens*

*Radioactive cesium*
Radioactive thorium
Selenium
*Serratia marcscens*
Sharp titanium shards
Silver
Streptomyces
Stronthium
Sub-Micron Particles *(containing live biological matter)*
Unidentified bacteria
Uranium
Yellow fungal mycotoxins

—List provided by www.StopSprayingCalifornia.com

What follows is a fairly exhaustive list of symptoms associated with aerosol spraying. Each symptom has been identified by various individuals who have clocked their occurrence with the onset of chemtrails being laid down over their homes or businesses. This list has been organized in a descending order, with the most commonly experienced symptoms at the top.

Headache
Brain fog
Fatigue
Low energy
Compromised immunity
Disorientation
Difficulty paying attention and concentrating
Sinusitis
Skin discomfort and irritation
Joint pain
Muscle pain
Asthmatic *(breathing difficulties)*
Dizziness
Insomnia
Memory loss
Eye problems (*blurred or fuzzy vision*)
Nausea
Liver problems
Gallbladder dysfunction
Tinnitus (*distant ringing in ears or high pitched sound after spraying*)
Neck pain
Scratchy throat
Allergy symptoms
Hay fever (*out of season*)
Flu-like symptoms
Susceptibility to colds
General weakness
Anxiety
Lightheaded or faint
Depression
Coughing
Sneezing
Shortness of breath
Vertigo
Anger, rage, frustration issues
MORGELLONS disease

Each of these symptoms is a normal occurrence in areas around the world where geoengineering practices have become a fact of life.

The preponderance of barium salt (barium chloride) and alumina (aluminum oxide), which are said to exist in the greatest concentration in aerosol spraying, is particularly alarming. Why? Because barium is well known to decrease and/or impair immune function. Aluminum oxide has its own set of problems, especially when inhaled in certain concentrations over prolonged periods of time. Aluminum, in any form, is not very easy for the body to detoxify, especially when it finds a home in the lungs.

The very last medical condition on the preceding list — *Morgellons disease* — is not a symptom; rather, it is a full blown disease process that usually takes years to manifest in its most serious form. In fact, there are websites dedicated exclusively to the research and treatment of *Morgellons disease*. Some of them very specifically demonstrate how aerosol spraying appear to provide some of
the primary chemical co-factors in the causation and subsequent development of this extremely unusual and inscrutable multi-infection syndrome.

Detoxing of heavy metal uptake in our systems as well as eating only organic foods to naturally build up you, and your families immune systems, is essential to preventing these many diseases caused by decades of geoengineering and what as become know today as “Hyper-Toxicity Syndrome.”

**Trivia:** The reason a bull and bear represent market direction is because of they way they attack. A bull will charge up with his horns and a bear will claw down, hence we have bull and bear markets.

**Weather Derivatives**

One very large sidebar of continued aerosol spraying is that if more people are made ill, more people go to doctors and hospitals and more money is made for Big Pharma and an additional benefit is an incapacitation. Another benefit for the powers in charge is to have a population unable to protest against GE practices. It is a win-win for those who have yielded such command and control of all for so long. In fact, market future trading is being conducted in weather related derivatives today. Former Commerce Secretary, William Daley testified to Congress in 1998 that “Weather is not just an environmental issue; it is a major economic factor. At least one trillion dollars of our economy is weather sensitive.”

**Weather Derivatives Companies**

CME Group  
AccuWeather  
Artemis  
AWS Energy Services  
Climate Prediction Center (CPC)  
EarthSat  
EQECAT  
Energy.net  
Evolution Markets  
First Enercast Financial  
Galileo Weather
Now think for a moment how much money a small group could profit if they controlled the weather at will? Now think about the power one would have if they could wirelessly control mind and body remotely using GE practices, HAARP radar, Supercomputers and Nanotechnology and you! This is not science fiction but decades old technology being advanced at the highest levels by the powers that must cease to be.

You can read more about this, another primary use of GE practices, in Book III titled, “Touch-less Torture; Target Humanity.”

“There was no doubt in my mind that I was in the process of dying,” Logan told 60 Minutes’ Scott Pelley. “I thought not only am I going to die, but it’s going to be just a torturous death that’s going to go on forever.”

Though not proven conclusively, aerosol spraying was conducted over Egypt during the Arab Spring Revolution to incite, and increase emotions to promote riotous violent behavior. A year after the uprising, it was learned that a Google executive named Wael Ghonim and very wealthy, limousine riding, liberal left funding George Soros had helped bankroll the Arab Spring
uprising as well as the short lived “Occupy Movement” in 2011.

You may recall an attractive news broadcaster named Lara Logan, reporting for CBS 60 minutes, was allegedly attacked and raped by an angry mob of males during the protests that overthrew the President of Egypt, Hosni Mubarak. (I use the word “allegedly” because the same sources reported the Jessica Lynch attacks that months later proved false and erroneous upon further review)Ms. Logan reappeared, after a much ballyhooed recovery reported on by “whoreporate” media. After much prime time advertising, she reappeared on CBS 60 minutes in May of the 2011 to recount her ordeal. CBS “viewership” was near record highs.

Directly after her report, the CBS 60 Minutes show was suddenly interrupted with critically breaking news. Osama Bin Laden aka former CIA Operative, Tim Osman, was captured, killed and dumped in the ocean “in observance of Arabic Law and Customs,” the web crawler flashed across America on the worlds TV programming screens and “smart” devices where some 85% of the worlds population get their information.

Islamic laws say nothing of the sort as to burial rites and is just another example of corporate media lies along with purposeful designed misstatements and misdirection.

On a related side note, the following year, Ms. Logan was put on leave of absence with falsehoods cited in her Benghazi reports by her employers at CBS News.

For-Profit Weather Modification Private and Quasi-Government Corporations

Advanced Radar Corp
Aero Systems, Inc.
Aerotec Argentina
Colorado Water Conservation Board
Deepwater Chemicals
Direccion de Agricultura y Contingencias Climaticas (Argentina)
Droplet Measurement Technologies
Dynamic Aviation Group, Inc.
Electronic Systems Development CC
General Aviation Applications, 3D S.A.
Hydro-Tasmania
Ice Crystal Engineering LLC
Idaho Power Company
North Dakota Atmospheric Resources Board
Omni International, LLC
Radiometrics Corporation
RHS Consulting, Ltd
Sacramento Municipal Utility District
Santa Barbara County Water Agency
Snowy Hydro Limited
Southern California Edison County
National University of Technology, Mendoza, Argentina
Utah Division of Water Resources
Vaisala.com
Vaisala Oyj
Vaisala, Veriteq
Weather Modification, Inc.
Western Kansas Groundwater District 1
Western Weather Consultants, LLC
Wyoming Water Development

**Texas Weather Modification Association (TWMA)**

**TWMA Members:**
West Texas Weather Modification Association
Southwest Texas Rain Enhancement Association
South Texas Weather Modification Association
Panhandle GCD Precipitation Enhancement Program
Southern Ogallala Aquifer Rain Program (SOAR)
Seeding Operations and Atmospheric Research (SOAR), old website
The Edwards Aquifer
Colorado River Municipal Water District, Engineering, WXMOD
Trans Pecos Weather Modification Association
Military
USAF Reserve, Aerial Spray Unit, Youngstown AFB
NASIC/DEKA, United States Air Force Wright-Patterson AFB

Other
Aquiness and Drake International, Global Rain Project
Meteo Systems, Weathertec
Australian Rain Technologies, ATLANT
Ionogenics, ELAT
Evergreen Aviation: Supertanker
Kansas Water Office
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Chapter 2 | Geoengineering 101—Who, What, Where, How, and Why

“We will know our disinformation program is complete when everything the American public believes is false.”

—William Casey, CI Director (1981)

Programming of minds to not believe what they are actually seeing goes way back beyond the days of Copernicus in the 16th century. (Think about why we still call the actions in the skies as a “sunrise” and “sunset”).

Pointing out obvious “persistent contrails,” as many in the scientific community refer to geoengineering activities laid chemical laden lines in the sky that do not disappear can be frustrating to all who try to inform and alert family, friends and co-workers. Most just don’t want to deal with this most critical issue even when the evidence is so literally right in front of us on a daily basis.

This is in large part due to mass media’s success in convincing the uneducated that these trails directly above us all are just contrails and occur due to temperature changes in the atmosphere. Mind control guru’s are well practiced in giving one-off headline memes to dismiss addressing critical subjects like this.

Few give thought or pause to reflect that corporations and governments spend billions upon billions of dollars, year after year, decades after decades, studying activities behind our eyes and between our ears. What do you think they have learned about controlling thought and human behavior?

Factoid: “Conspiracy theory” was introduced into the minds of the programmed masses directly after the completely fraudulent Warren Commission reports came out to diffuse and obfuscate another in the long line of lone gunman assassinations of famous people. John F. Kennedy was assassinated at the direction of Jesuit Cardinal Spellman, at the time Archbishop of New York, the Empire State.
The fact of matter is today’s modern jet engines are nearly incapable of producing condensation trails, except under very extreme conditions, yet everyone uses the very same one-off language to defer and deflect uncomfortable conversation such as GE. This is known in psychology terms as cognitive dissonance.

The other one-two instant reaction from those unaware that they are unaware they are being sprayed like insects, is another one-off reply of, “Why would they spray their own children?” This is an excellent question that has no real answer we know for sure other than:

- They are not humans doing this and they are terra-farming Earth to their own needs;
- They are royal blue bloods and are either immune to the toxic effects and/or get chelation blood treatment therapy to exit the heavy metal toxins we all have inside of us. We all have living parasites as well as nano-particulate matter inside of us, as documented well by the German scientist, Harald Kautz-Vella in his “Base” series of lectures on YouTube.
- The third possible reason the power-elite today would choose to kill all life on Earth so willingly is that they are sociopaths and psychopaths and care not one cent about Life itself, human or otherwise.

Remember, Wall Street makes the most money when resources get the most scarce and they have no morality. This is also why our government refers to us all as “human resources.” When I began a career on Wall Street in the mid-1980’s, one of the first to speak to me on my first day on the job as a clerk on the New York Stock Exchange, was a senior partner at my new firm. He spoke direct and plain, while sitting at the 7th floor bar above the
NYSE, where brokers go to unwind. He said, “Son, if you are going to make it in this business you must know two things about Wall Street truths.” He continued, and looked me straight in the eye and said, “your either at the table or on the table” and “here on the Street, you’re either prey or you pray.”

Wall Street is owned by the banksters who are owned by the families of Court Hofjuden Jews who all report to the Bank of International Settlements (BIS) located in Basil, Switzerland. Switzerland, being host to the Rothschild’s banking empire, secret bank accounts, a stand alone country, always neutral and never invaded through two world wars where every citizen carries and knows how to use a rifle, provides Swiss guards provide Vatican security and the Rothschild’s are the Vatican personal bankers. Switzerland has a Red Cross for a flag, that is also embedded in the flag of Great Britain.

The “banksters” handlers are the Society of Jesus, also known as the Jesuits who are headed by the current Black Pope, Father Adolfo Nicolas. (He is six levels above the current White Pope Francis, the first Jesuit pope in the Vatican in 600 years.) Pope Francis was Archbishop of Argentina during the 1980s “Dirty Wars” were tens of thousand Argentinians simply “disappeared.” He has claimed ignorance regarding the purge of human life at that time in history.

One cursory look at the staff around current President of the US, Barrack Obama, and you begin to understand who is REALLY in control and has been for a very long time.

Some of Mr. Obama’s key officials in his campaign and his presidency included his top speech writer, Jon Favreau, who trained at the College of the Holy Cross in Worcester, Massachusetts, the oldest Jesuit College in New England. Dan Pfeiffer, who was Obama’s Deputy Communications Director during the campaign, and continues in the same position at the White House, graduated from Georgetown University.

His senior Military and Foreign Policy Advisor was Major General Jonathan Scott Gration, a fighter pilot whose masters’ degree is from Georgetown University, the oldest Jesuit institution in America. Most of the top brass of the Joint Chiefs of Staff graduated from the Edmund A. Walsh School of Foreign Service.
Bill and Hilary Clinton graduated from Georgetown University. Donald Trump went to Fordham University, a Jesuit school. The Governor of California, Jerry Brown, is a well known Jesuit as is his successor, former Mayor of San Francisco, Gavin Newsom is a graduate of Santa Clara University, a Jesuit school.

Janet Napolitano, Head Regent for the University of California Schools and former head of the Department of Homeland Security (DHS) graduated from Santa Clara University.

Back in the 1920’s, J.D. Rockefeller used Puerto Rico to sterilize women when they came into the hospitals without their consent or knowledge. In the 1980’s Rockefeller funded GMO campaigns were conducted in Argentina before being introduced world-wide. Now it appears that Australia is front and center to launch GMO vaccine aerosol spraying on its people and it is all legal and documented, damn the people’s wishes or understanding of the unknown implications to peoples health and well being.

“The Office of the Gene Technology Regulator (OGTR) is on its way to approving a license application from PaxVax Australia (PaxVax) for the intentional release of a GMO vaccine consisting of live bacteria into the environment in Queensland, South Australia, Western Australia and Victoria.” According to Australia’s regulators, this human aerosol Geo-gene engineering qualifies as a limited and controlled release under section 50A of the Gene Technology Act 2000 v(the Act):

“(2014) Drug company, PaxVax, has sought approval to conduct the clinical trial of a genetically modified live bacterial vaccine against cholera. Once underway the trial is expected to be completed within one year, with trial sites selected from local government areas (LGAs) in Queensland, South Australia, Victoria, and Western Australia. PaxVax has proposed a number of control measures they say will restrict the spread and persistence of the GM vaccine and its introduced genetic material yet the regulators readily admit they have little knowledge as to how the spraying effects plants, trees and wildlife.”
A Recommended National Program
In Weather Modification

A Report to the
Interdepartmental Committee for
Atmospheric Sciences

by
Homer E. Newell
Associate Administrator for Space Science and Application
National Aeronautics & Space Administration
Washington, D.C.

Interdepartmental Committee
for
Atmospheric Sciences

FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY
Executive Office of the President

ICAS Report No. 10a
November 1966

1966 US Government Document (full PDF Appendix III)
Chapter 3 | Aerosol Spraying of Vaccines Ramps up World-Wide

Weather modification will become a part of domestic and international security and could be done unilaterally… It could have offensive and defensive applications and even be used for deterrence purposes. The ability to generate precipitation, fog, and storms on earth or to modify space weather, … and the production of artificial weather all are a part of an integrated set of technologies which can provide substantial increase in US, or degraded capability in an adversary, to achieve global awareness, reach, and power.

—US Air Force, [emphasis added].
Air University of the US Air Force, AF 2025 Final Report

Way back in August of 1996, the US Airforce created a document entitled, “Weather as a Force Multiplier: Owning the Weather in 2025.” They even included in the USAF cadets training classes in the project. Please understand that the military has unlimited funds for projects that fit into their overall Command and Control strategy for what the military calls “Full Spectrum Dominance.” Keep in mind this is all funded by US indifferent tax payers who never could even dream that our military would use such plan attacks on their own people.

Think again.

In 2006, Michael Greenwood wrote an article for the Yale School of Public Health entitled, “Aerial Spraying Effectively Reduces Incidence of West Nile Virus (WNV) in Humans.” The article stated that the incidence of human West Nile virus cases can be significantly reduced through large scale aerial spraying that targets adult mosquitoes, according to research by the Yale School of Public Health and the California Department of Public Health.

Under the mandate for aerial spraying for specific vectors that pose a threat to human health, aerial vaccines known as DNA Vaccine Enhancements and Recombinant Vaccine against WNV, are being tested and are being used to “protect” the people from vector infection exposures. In other words, these sprays can, are designed, to alter ones own DNA.
Are you fully creeped out yet and fully understand all that this implies for command and control of humanity?

**Factoid:** Congressman Dennis Kucinich attempted to halt geoengineering in 2001 through Bill HR2977 but never made it out of committee before it was killed.

Can you begin to understand the future implications of these new business ventures that must grow 30% a year to maximize shareholder value using human population as unsuspecting, unknowing and mostly uncaring, lab rats?

Papers from Harvard, from what many consider to be prestigious and reputable institutions, are then used to validate the climate weather engineers as well as to invalidate claims that our government would never consider the use of aerosol spraying on the their pubic. Politicians are willfully powerless to even address the ongoing high and low level ecocide occurring on nearly every level of our world today.

These quasi-public-scientific documents have lead directly to legitimize aerosol spraying. In the fall of 2007, heavy spraying was conducted around Northern California, allegedly to eradicate the light brown moth from ruining farmer crops in the Carmel Valley of Monterey County. The Bay Area has had very under-the-radar mosquito abatement spraying programs for decades since many live adjacent to waterways, but reality caught up with the NIMBY crowd when the elite Carmel Valley area was dosed in 2007. Over several months that year, many developed respiratory illnesses as a direct result of the intensified spraying. Calling your Congress person did nothing. Air Quality boards were silent. Law suits were filed and nothing stopped until the program was completed or went under-the-radar with less visible dispersants.
Chapter 3 | Aerosol Spraying of Vaccines Ramps up World-Wide

Vaccines, Geoengineering, and You

“The world has 6.8 billion people...that is headed to 9 billion. Now if we do a really good job on new vaccines, health care, reproductive health services. We could lower that by 10 to 15 percent.”

—William Gates, Eugenicist, Population Control Expert, World Vaccine Administrator, Common Core Education Director, Member of the Trilateral Commission, Bilderberg Group, Committee of 300, Pilgrim Society and Philanthropist.

It is of no coincidence that Bill Gates has lead the charge for artificially intelligent (AI) vaccine carrying mosquitoes to treat Malaria, that he first demonstrated onto an unsuspecting audience at a TED talk he gave in 2009. Now, just over a half-decade later, we learn that Gates and Co. had released AI mosquitoes into the exact same area where the alleged Zika virus is coming from in Brazil.

In June of 2016, it is being reported that helicopters are spraying areas over the 5 boroughs of New York City to arrest the Zika virus as well as airplanes injecting vaccine into flights to and from Brazil, without anyone’s consent or knowledge that this is being done. June 1, 2016, it was announced that 150 prominent doctors and health practitioners were calling for a cancellation, or a change in venue, for the upcoming Rio Brazil Olympics this summer.

Biometric IDs

Five US states now have requirements that all US Citizens in those states get a biometric REAL ID or they will not allowed to fly commercially in the States. It is also little to no stretch to easily see that all will soon be required to have a biometric REAL ID to fly commercially along with the added stipulation that all required vaccines must be inside your person if you wish to fly anytime in the near or distant future. If this goes unchecked, then extensions to access hospitals, banks, public parks, sports venues, etc., will not be allowed unless mass inoculation has been incurred by all. This is addition to being aerosol sprayed from above.
Mr. Gates is the poster child for evil in the public domain it can easily be said when looking at so much evidence of death and destruction presented as altruistic and benign. When 47,500 were paralyzed by the Gates introduced polio vaccine in 2009 in India, Mr. Gates shrugged it off and instead focused on all many benefits the vaccine protocol had produced. The same language was used in Pakistan where Mr. Gates and company. were directly blamed for 10,000 related deaths in 2013.

As hard as it is for most to comprehend, let alone believe, the wealth elite care nothing about you, your children, or other Life on Earth. We are human resources to be exploited. In Roman Latin legalese we are referred to as “a property or thing” and as “chattel” much like the word “cattle.”

Mr. Gates pooling of wealthy donors to protect their interests only, is the behemoth Bill and Linda Gates Foundation. Some $70 billion + funds some tens, if not hundreds of millions of dollars, to promote geoengineering, GMO vaccine spraying and flying Artificial Intelligent drones over all with payloads of his and colleagues choosing. He has also declared publicly that there are way too many people in the world. His father was/is involved heavily in the Rockefeller founded and funded Planned Parenthood. He has even boldly declared at another TED talk, that if they got really good using methods, including vaccinations, they could get the population down by 10%–15%. Apparently Mr. Gates feels there are too many people in the world and has put himself in charge

Those who worry about being chipped do not realize we are all already chipped, monitored and controllable already. There is no need for external chipping devices when vaccines and now, aerosol application vaccines, easily hold the necessary command and control devices.
to solve the problem that he and his Club of Rome cronies helped create with sales and marketing and funded debt to endless consumption using much Asian slave labor and beyond because, as Dick Cheney said infamously, “the American lifestyle is non-negotiable” and President Bush famously declared directly after the self-inflicted 9/11 attacks, that we all should feel better and “go shopping.”
"But there are at least 26 reasons why geoengineering may be a bad idea. These include disruption of the Asian and African summer monsoons, reducing precipitation to the food supply for billions of people; ozone depletion; no more blue skies; reduction of solar power; and rapid global warming if it stops."

— Alan Robock, Professor, Department of Environmental Sciences, Rutgers University, 2013

Geoengineering – the deliberate large-scale intervention in the Earth’s natural systems to counteract climate change is a contentious subject and rightly so. The Oxford Geoengineering Programme seeks to engage with society about the issues associated with geoengineering and conduct research into some of the proposed techniques. The program does not advocate implementing geoengineering, but it does advocate conducting research into the social, ethical and technical aspects of geoengineering. This research must be conducted in a transparent and socially informed manner.

The University of Oxford is involved in three major projects on geoengineering funded by the UK Research Councils. They are: The Integrated Assessment of Geoengineering Proposals (IAGP) in partnership with The University of Leeds, Cardiff University, Lancaster University, University of Bristol, University of East Anglia, The Tyndall Centre, and the UK Meteorological Office; Stratospheric Particle Injection for Climate Engineering (SPICE) in partnership with The University of Bristol and Cambridge University and Climate Geoengineering Governance (CGG), a recently announced Oxford-led project in partnership with The University of Sussex and University College London which will examine the governance and ethics of geoengineering.
Chapter 4 | Get Your College Degree in Geoengineering

“But there are at least 26 reasons why geoengineering may be a bad idea. These include disruption of the Asian and African summer monsoons, reducing precipitation to the food supply for billions of people; ozone depletion; no more blue skies; reduction of solar power; and rapid global warming if it stops.”

—Alan Robock, Professor, Department of Environmental Sciences, Rutgers University, 2013
(The Oxford Geoengineering Programme was founded in 2010 as an initiative of the Oxford Martin School at the University of Oxford).

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Harvard University: Center for The Environment

About the Working Group: Solar geoengineering is the concept of deliberately cooling the Earth by reflecting a small amount of inbound sunlight back into space. This seminar series, held jointly by the Harvard University Center for the Environment (HUCE) and MIT’s Joint Program on the Science and Policy of Global Change, will explore the science, technology, governance and ethics of solar geoengineering. In bringing together international experts, participants will learn some of the greatest challenges and hear opinions on how this technology could and should be managed.

University Of Texas, Austin

The Center for Integrated Earth System Science (CIESS) is a cooperative effort between the Jackson School of Geosciences and the Cockrell School of Engineering. The Center for Integrated Earth System Science (CIESS) seeks a deeper understanding of the physical chemical, biological and human interactions that determine the past, present and future states of Earth.

Specifically, the goal of CIESS is to answer a wide variety of earth science questions including:

- How can we use in situ measurements, global satellite observations, proxy data, and computational analysis to describe and understand Earth’s dynamic system?
- What has been the impact of human activity on Earth?
- What is the future of our environment under climate change, land use change, and water use change?
- How can we reduce modeling uncertainties and make reliable predictions of extreme events at regional scales? How can we make rational decisions under uncertainties in order to mitigate, prevent, plan for or adapt to the negative potential impacts of global change?

Columbia University

A complementary degree (Master of Arts in Climate and Society) is available through Columbia University for students who are more directly interested in social or planning aspects of climate impacts, and are not quantitatively oriented.
University of California at Berkeley
Geoengineering is an interdisciplinary program that offers excellent opportunities for students with background in Engineering and Earth Sciences who are interested in all aspects of soil and rock mass characterization, development of advanced simulation techniques, performance of earth structures and underground space, and identification and mitigation of natural hazards.

University of Michigan
“For cloud seeding—we are already doing that. We have satellite images of ship-tracks available that tell us that in fact the emissions from the ships brighten the clouds in the little lines you see (chemtrails) and change the radius of the particles in the clouds. So we’re already doing that.” “….We also know that the aerosols that we are currently emitting are already protecting us from global warming to a certain extent...We have already seeded marine clouds,” Professor Joyce Penner, University of Michigan

Do these look like naturally occurring weather patterns?
Geoengineering Not Chemtrails Investigation Into Humanities 6th Great Extinction
Chapter 5 | The Great Arctic Melt Off

Arctic Ice Free by 2016! “38 Years Ahead of Our Estimates”
—US Navy 2013

“Given that the Arctic is warming faster than the rest of the globe, understanding the processes and feedbacks of this polar amplification is a top priority.”
—US Department of Energy

“The study estimates that in 2008, the US poured 49 million tons of methane into the air. That means US methane emissions trapped about as much heat as all the carbon dioxide pollution coming from cars, trucks, and planes in the country in six months”

The last time the Arctic was ice free was 3.6 million years ago. Today, ice core models chronicling Earth’s past, do not even come close to measuring the Arctic liquidation occurring in the former Great White Northern regions today. Alaska is averaging, as of Spring of 2016, temperatures consistently at +10–20˚ F average above what used to be considered normal for over the past century of recorded history. They even had to truck in snow so the famous Alaskan Iditarod could be completed in temperatures and unheard of 50 degrees.

The Arctic Gyre steers the weather around the world, like a swizzle stick above the Earth, which is helping to spread mass warming of our oceans worldwide. One has to have their head completely in the sand to not be aware of the world-wide devastation of our ocean life due to warming seas while fish are found radiated and filled with mercury poisoning, in the rivers and estuaries world-wide today.

“Furthermore Professor Jennifer Francis has shown that the present CO₂ content of the atmosphere has a delayed temperature anomaly more than 12˚C (53.6˚F) which is higher than the Major Permian Extinction Event (Wignall, 2009) so we will be facing total extinction unless we sharply reduce our carbon
dioxide emissions by a large amount (more than 90%) and the existing methane content of the atmosphere by more than 60%.” —Professor J. Francis, Research Director of Marine and Coastal Sciences at Rutgers University.

Just recently the US Navy released an extensive report in 2014 predicting that the Arctic could very well be ice-free by 2016, 84 years ahead of most other climate models. Previously, an exhaustive EPA study was conducted in 2008 which found methane gas releases were an astounding 50% higher than previous estimates due to fracking and...wait for it...cow flatulence increases:

“The study estimates that in 2008, the US poured 49 million tons of methane into the air. That means US methane emissions trapped about as much heat as all the carbon dioxide pollution coming from cars, trucks, and planes in the country in six months.”

That’s more than the 32 million tons estimated by the US Environmental Protection Administration or the nearly 29 million tons reckoned by the European Commission. This study, however, was based on nearly 13,000 measurements from airplane flights and tall towers, the most used in any such research. Methane gas releases have gotten so bad that high-altitude planes clearly show methane release pools due to fracking practices.

In the fall of 2015, a massive methane release occurred at Porter Ranch in the Central Valley of Southern California. An astounding 3,346 tons of
methane release into our atmosphere was reported per day! The situation got so bad the FAA put restrictions on flights in and around the LA basin so planes engines would not interact with the methane gas and explode in mid air.

Now huge pooling of methane gas has parked itself over the entire west coast of the US that will further accelerate the warming of an already very dry West.

“Something is very much off in the inventories,” said study co-author Anna Michalak, an Earth scientist at the Carnegie Institution for Science in Stanford, Calif. “The total US impact on the world’s energy budget is different than we thought and it’s worse.” What those failing to acknowledge is the increased methane gas releases are coming down from the Arctic.

Methane gas contains 20 times more CO$_2$ than other greenhouse gases and scientists have been extremely concerned about the acceleration of releases since 2007 to the point where greenhouse gases coming from the Arctic alone make up 10% of the total releases in North America today. Yet that is nothing compared to what is in store for us all if the melting in the North continues along its current trajectory.

In 2013, another major release of methane pools in our atmosphere occurred in the Arctic regions and now reports are being suppressed that the entire snow cap is off the methane pools and full releases of methane are now occurring. Methane gas takes 1½–2 years to fully deploy in our atmosphere before the full greenhouse umbrella takes full effect.

The More Ice Melts, the Exponentially Faster Methane is Released into the Air.
In response, the world powers that need to cease to be, over the past few years are actively engineering an all out world-wide aerosol campaign experiment in a so far desperately fated effort to ‘re-winterize’ the Arctic with geoengineered chemically nucleated treated snow.

They are Mass aerial spraying, using heavy bombardments of chemicals and technology, including heavily spraying doses of aluminum, barium and strontium, all the while using HAARP towers to steer winter weather destined for the US west coast, far up North to help with the Re-Arctification efforts at the sacrifice of California. They are that desperate to recap the Arctic, the only reason being that this is the most important work ever conducted in an all out effort to save us from ourselves ….using technology that not only exacerbated, but greatly has accelerated the problem!

“We as a species have never experienced 400 parts per million of carbon dioxide in the atmosphere,” Guy McPherson, professor emeritus of evolutionary biology, natural resources, and ecology at the University of Arizona and a climate change expert of 25 years, told me. “We’ve never been on a planet with no Arctic ice, and we will hit the average of 400 ppm… within the next couple of years.
At that time, we’ll also see the loss of Arctic ice in the summers… This planet has not experienced an ice-free Arctic for at least the last three million years.”
—Guy McPherson, AMEG

Additionally, ocean water modifications are heavily being implemented using the iron fertilization of our seas in more desperate attempts to mitigate accelerated ocean warming, sea life die-off, and mass pools of methane releases from the ocean floor.

What is critical to understand is that the Arctic weather conveyor belt acts as a governing regulator for the entire Earth weather system and it is changing ever so rapidly due to the melting of ice sheets, especially along the Eastern Siberian Arctic Shelf. As more ice melts less sun is reflected back into space which means more accelerated melting will continue to occur. This is called the Albedo Effect.

Only very recently did even the best scientists begin to understand that once the Arctic tundra gets exposed it would cause mass release of million years of stored pools of methane gases; this is when they decided to shift all attention to nucleate the Arctic with aerosol spraying (steering weather using HAARP...
coupled with geoengineering the skies above, in a increasingly failing and desperate attempt to refreeze the Arctic to keep the methane sealed under ice and snow. This is a major factor over the past several years for causing the intense chaotic and geoengineered weather we are seeing today such as huge swings in temperatures day-to-day as well as the 2014 Polar Vortex that swept over the Midwest and East US This is directly putting the entire Earth’s weather systems in absolute chaos.

Government, military, and private enterprise have been laying down thick layers of iron for years, trying to re-ionize the fecundity of the oceans without success, while helping cause the mass migration northward and die off of fish along the Pacific Ocean coastline.

**Ecosystem Die-Off Watch**

All along the west coast of Northern California, we are experiencing a complete loss of salmon and trout in our streams over the past decade due to warming rivers, clear cut logging practice and general apathy for the complete destruction of their life giving habitat.

Marine biologists all up and down the coasts report dead sea lions, whales, and other large creatures foundering and dying in unseen numbers. Feeder Krill counts are at record lows as ocean water temperatures continue to hit
record highs. Crab season all up and down the coast has been canceled again this year due to their toxicity. It has gotten so bad that in 2015, the Chinese announced they would not be purchasing any shell fish from the US any longer.

In April of 2016, marine biologists reported unprecedented large-scale die-off of the sea forest kelp as well. This from the Santa Rosa Press Democrat, (April 2016), “Collapse of Kelp Forest Imperils North Coast Ocean Systems.”

“Large tracts of kelp forest that once blanketed the sea off the North Coast have vanished over the past two years, a startling transformation that scientists say stems from rapid ecological change and has potentially far-reaching impacts, including on several valuable fisheries. The unprecedented collapse has been observed along hundreds of miles of coastline from San Francisco to Oregon. The region’s once-lush stands of bull kelp, a large brown alga that provides food and habitat for a host of wildlife species, have been devoured by small, voracious purple urchins. In the most-affected areas, denuded kelp stalks are almost all that remains of plant life.”

”There’s almost no rock-fish species that is not of economic importance,” said Milton Love, a rock-fish expert and associate research biologist at UC Santa Barbara’s Marine Science Institute. The young of many rock-fish species also are a major food source for seabirds, salmon and some pinnipeds, like sea lions. A major collapse of those populations could snap the food chain.
“It’s very concerning,” Catton said. “There’s a lot of uncertainty moving forward.”

“The kelp collapse may only add to the woes. Purple urchins are silver-dollar-sized species rarely caught for commercial harvest in California. They normally co-exist in kelp forests alongside other marine life, including red urchins...and red abalone. But those two species also feed on kelp and both are showing signs of starvation,” Catton said.

“Rock-fish, another key fishery that includes dozens of species sought by commercial and sport anglers, also likely will take a hit from the kelp die-off,” said Mark Carr, a professor of ecology and evolutionary biology at University of California at Santa Cruz. The young of several near-shore species take shelter in the kelp during their first months of life.

This excerpt below is from a report by Mr. Michael T. Snyder at www.theeconomicblog.com website:

“Why are millions upon millions of dead sea creatures suddenly washing up on beaches all over the world? It is certainly not unusual for fish and other inhabitants of our oceans to die. This happens all the time. But over the past month we have seen a series of extremely alarming mass death incidents all over the planet. As you will see below, many of these mass death incidents have involved more than 30 tons of fish. In places such as Chile and Vietnam, it has already gotten to the level where it has started to become a major national crisis. People see their coastlines absolutely buried in dead sea creatures, and they are starting to freak out.

For example, just check out what is going on in Chile right now. The following comes from a Smithsonian Magazine article entitled “Why Are Chilean Beaches Covered With Dead Animals?”

“Compared to other countries, Chile is almost all coast, and that geographical fluke means that the country is known for its beautiful beaches. But that reputation may be on the wane thanks to a new sight on Chilean shores: dead animals. Lots of them. Heaps of them, in fact. As Giovanna Fleitas reports for the Agence France-Presse, the South American country’s beaches are covered with piles of dead sea creatures-scientists are trying to figure out why.
Geoengineering Not Chemtrails Investigation Into Humanities 6th Great Extinction

Tales of dead animals washing up on shore are relatively common; after all, the ocean has a weird way of depositing its dead on shore. But Chile’s problem is getting slightly out of hand. As Fleitas writes, recent months have not been kind to the Chilean coast, which has played host to washed-up carcasses of over 300 whales, 8,000 tons of sardines, and nearly 12 percent of the country’s annual salmon catch, to name a few.

Authorities in Chile are scrambling to come up with a reason why this is happening, but nobody seems to be sure what is causing the tsunami of death.

In Vietnam, things are even worse. At this point, so many dead fish and clams have been washing up along the coast that soldiers have been deployed to bury them.... ”

Over and Down-under at sea level in Australia, not only are they—year after yea—shattering record highs, but native eucalyptus trees are dying in droves, corals reefs are dying in faster and faster time event horizons.

Again, this reporting from David Sigston, AAP, May 10, 2016:

“Scientists are worried about an ‘unprecedented’ die-off of mangroves in northern Australia and the link with large-scale coral bleaching of the Great Barrier Reef.” The widespread damage to mangroves around the Gulf of Carpentaria has been highlighted at an international wetland conference held this week in Darwin. While a detailed scientific survey has yet to be undertaken, photographs revealed hundreds of hectares of mangroves dying in two locations along both the west and east coastlines of the gulf. Professor Norman Duke, spokesman for Australian Mangrove and Saltmarsh Network, said the scale and magnitude of the loss appears “unprecedented and deeply concerning.”

Professor Duke said the damage was particularly alarming given this year’s severe coral bleaching of the Great Barrier Reef, as it appeared to correlate with extreme warming events in the region.

Until more extensive research is done, the James Cook University professor isn’t sure if the mangroves are beyond saving but is warning more needs to be done. “Shoreline stability, and fisheries values, amongst other benefits of mangrove vegetation, are under threat,” he said.

Professor Duke has called for increased monitoring of mangroves, particularly in the remote areas of northern Australia, so scientists can establish baseline conditions and isolate and manage any die back. Australia is home to seven per cent of the world’s mangroves.”
Chapter 5 | The Great Arctic Melt Off

The future ain’t what it used to be. —Yogi Berra

“A mysterious pathogen is wiping out starfish along the Pacific coast … [and it] isn’t the only weird thing to happen of late along the California coast. Marine scientists have been trying to find out why previously unknown blooms of toxic algae are suddenly proliferating along the coast. The mysterious blooms including deadly red tides have been bigger, occurred more frequently and killed more wildlife than in the past. Last year at about this time legions of big predatory Humboldt squid gathered along the Northern California coast and stranded themselves on Santa Cruz beaches far north of their normal habitat.” (San Francisco Chronicle, 2013)

Speaking the truth of our anguish for the world brings down the walls between us, drawing us into deep solidarity. That solidarity is all the more real for the uncertainty we face. —Joanna Macy

In addition to our modern day version of “Oceans Gone Wild,” there are world-wide reports of mass algae blooms occurring everywhere. Another, too much of a coincidence theory not to be a conspiracy, connects President Obama’s science adviser, John Holdren to announce in 2009, that the administration was advocating for the “fertilizing” of our oceans. Just a few months later US scientists announced in December 2013 that they had succeeded in producing crude oil from algae in under one hour. Big Oil is already harvesting the man-made toxic algae for fuel. Profit they will and must, accelerating our extinction event even faster!

“Only when the last tree has died and the last river been poisoned and the last fish caught will we realize we cannot eat money.” —Cree Indian Proverb
Subliminal advertisements are used to implant “normalcy bias” into our subconsciousness and is a very big reason so many today refuse to believe that geoengineering is a reality. Please note Disney, et al. are heavily invested in children mind programming as well.

One thing to be very clear about our “capitalists-just-capitalizing” system of governance is that Nature has no legal standing in our courts today. Nature can be bought, sold, abused, raped and discarded at will for profit motives only and it is all legal. The scarcer basic materials become, the higher the prices charged and maximized profits are made.

In 2014, Mendocino County, in Northern California, became the first county in the US to pass local community rights-based law, superceding state and federal laws, as well as giving legal rights to Nature. Countries such as Ecuador are also putting similar laws into their constitutions to give Nature standing in their court systems. Once we recognize Nature for her all Life-giving forces, we will once again begin to align ourselves in her Grace.
Chapter 6

The Trees are Dying—We’re Next

The Russian Hydro-meteorological Center recently reported that since May 2015, every single month has been the warmest in Russia’s history. By way of example, in March, the temperature deviation on islands in the Barents Sea was a staggering 12˚C (54˚F)!

In Alaska, despite it being very early in the summer, heat records are breaking by the dozens. Recent statements from the National Weather reported that the towns of McGrath and Delta Junction in the interior of the state hit a high of 78 degrees and a low of 49 degrees, respectively, beating the previous records set in 2005 and 1988 for each. Fairbanks set a new high temperature record of 82, which broke shattered a century-old record of 80 degrees set in 1915. The largest city in Alaska, Anchorage, set a record of 72 degrees, a stunning seven degrees above the previous high that was set in 2014, while Juneau and Bethel, set new heat records. Even Barrow, in the far north, saw 42 degrees recently, breaking the previous heat record by four degrees. Given that Anchorage has already seen the second-largest number of record high temperatures for any year and there is still 63 percent of the year left, 2016 will certainly break the previous record of high temperatures seen, which was set in 2003.

In Africa, the heat continues to be unrelenting, and that trend is expected to not only continue, but increase, according to a study recently published in the journal Environmental Research Letters. According to the study, by 2100, heat waves on that continent will be hotter, last longer and occur with much greater frequency.

Southwest Asia and India recently saw historic heat waves that have brought more than 150 deaths. Cambodia and Laos each set record highs for any day of the year during April. Cambodia saw 108.7 degrees Fahrenheit on April 15, and on April 26, Thailand set a record for national energy consumption (air conditioning), according to The Associated Press.

India went on to break its heat record in May, when the city of Rajasthan saw 51 degrees Celsius (123.8 degrees Fahrenheit), as the heat wave besetting northern India persists, as temperatures have exceeded 40 degrees Celsius for several weeks in a row now.
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Years 2014 and 2015 were the warmest ever recorded and six months into 2016 we are set to beat those records, climate change “deny-ists” be damned.

One of the research team’s authors said that “unusual” heat events will become much more regular, “meaning it can occur every year, and not just once in 38 years-- in climate change scenarios.”

The history of the giant Redwood trees on the West Coast of California is one of recent accelerated die-off as well. These great Sequoias have lived for many hundreds and hundreds of years, yet less than 3% of these Ancient forests remain today largely due to advanced destruction technology and capitalist greed in this Era of Industrial “Devilution”. Over the past few years, California has seen an unprecedented, (there’s that word again), extreme 5 year-long drought, where little fog now comes to cool and feed the giant Redwoods and moisten the loamy soil they thrive in. Only two ancient giant forests remain in the world today, in South America and Africa.

Not only are we seeing die-off of these ancient legends like never before but we are also getting reports around the world of mass die-off of all species of trees, from Australia to Bulgaria to Southern California. Literally everywhere. Rain forests in Brazil are being clear cut as well as along the California and Oregon coasts and being reseeded with GMO, all the same for-profit uni-trees. Trees are the lungs of our Earth that give off oxygen to feed humans and our oceans. They die, we die, its that simple.

“Levels of UVB are now often up to 1000% higher than official agencies are disclosing, these are extremely dangerous levels. How do we know levels are this high? Because we can and are metering UV radiation. We are now even detecting UVC radiation at the surface, UVC is the last band of UV radiation before x-ray radiation. We are told by all “official” monitoring agencies that UVC is stopped 100,000 feet up in the atmosphere, this is also a lie.”

— Dane Wiggington, www.geoengineeringwatch.org

**UVB**: a band of ultraviolet radiation with wavelengths from 280-320 nanometers produced by the Sun.

UVB is a kind of ultraviolet light from the sun (and sun lamps) that has several harmful effects. UVB is particularly effective at damaging DNA. It is a cause of melanoma and other types of skin cancer. It has also been linked to
damage to some materials, crops, and marine organisms. The ozone layer protects the Earth against most UVB coming from the sun. It is always important to protect oneself against UVB, even in the absence of ozone depletion, by wearing hats, sunglasses, and sunscreen. However, these precautions will become more important as ozone depletion worsens.

In 2014, measurements were taken and recorded by Dane Wiggington at www.geoengineeringwatch.org as to testing the Ultraviolet levels A & B. What he found through his own testing, was that UVB levels, much more deadly than UVA levels, were some 1000 % above official EPA reports. UVB is a much shorter, more intense burst of radiation and is the (bold) causal reason we all feel like the Sun is more intense on our skins. It is also the primary causal factor of the tree die-off we are seeing around the world today.

Increased UVB intensity causes a mass increase in skin, and other types of cancer, and dovetails, again so coincidentally, with reports in 2014 by the World Health Organization (WHO), who reported that cancer rates are predicted to
increase by a whopping 70% by 2030, just fourteen years from now. Big Pharma profits will continue upward as being sickly and ill effects all.

**Solar Dimming**

Another side effect of mass geoengineering practices is the artificial dome that aerosol spraying creates which is causing the an unintended side effect of solar dimming. Solar dimming, due to a man-made greenhouse effect, reduces solar panel energy intake when Solar Radiation Management (SRM) practices are utilized. I personally have recorded regularly for years a more than 20% loss in solar energy uptake when sky painting is occurring above us. Another huge side effect is the all-the-while intensifying heat inside the artificially created dome above us all.

This is completely contrary and anti-ethical to the entire renewed energy movement.

> “Monsanto’s GMO seeds are specially designed to grow in the high presence of aluminum. Aluminum is the chemical found in chemtrails. If this poisoning continues, true organic farming may become impossible in the not so distant future. When aluminum pollutes soil and water it kills crops. It collects in people and causes diseases!” — Dane Wiggington

In 2011, the international Weather Channel LLC was purchased by Rockefeller Brothers LLC. and Nearly all social media devices now get their weather reports directly from the Weather Channel feed or from data supplied by some of the biggest military hardware sellers, Lockheed Martin Marietta and military think tank, Rand Corporation.

Here in California local and state weather reports are under reporting record high temperatures by some 5–10 degrees in the area where I live, by my own records. (Just like they have raised the acceptable radiation levels world-wide as well in recent years, due to the Fukushima radiation release in March 2011, greatly increasing man-made world radiation).

In 2013, Monsanto purchased The Climate Corporation for a cash price of $9,300,000. Monsanto’s controlling the message makes for better manipulation of the farmers struggling from the geoengineered destruction of their crops and fields. Monsanto and Climate Corporation state how much they will be able
to help the agriculture communities when in reality their goals have long since been clear to any who investigate, to capitalize off the engineered decimation being carried out world-wide.

**Activism**

As of Spring 2016, lawsuits are being filed in Federal and State court systems to halt geoengineering practices. Unfortunately, the courts are owned lock, stock and barrel by the same powers that run the geoengineering programs but at this late stage in the game, it’s do whatever we can, with whatever we have and start somewhere.

Like noted previously, geoengineering of our skies has been occurring for over half-a-century and most of us are just awakening to this very inconvenient truth today.

Speaking out, being heard and helping to educate those that are unaware is the critical mission for all reading this book now.
HAARP uses Earth’s energy grids to push its power to manipulate weather. (Note main center dome point location over UK)
Chapter 7 | HAARP, LUCY, Alamo and A.N.G.E.L.S. Projects; Advancing Technology Acceleration to an Early Extinction?

I think the reason I’ve occasionally said that is that it illustrates the kind of power that this technology grants us. And I think for better, for worse, what this technology gives us is this enormous kind of leverage and power to alter the climate and to do it with a very small amount of money or material and that power should frighten us, I think, and it presents real deep problems for governance.

—Igeo-engineering proponent, Harvard Professor David Keith

Methane Time Bomb—The Clathrate Gun

From Sam Arcana (a group of scientist pseudo name, so they can truth tell and keep their jobs and pensions) at Arctic Methane Emergency Group (AMEG):

“Huge quantities of methane are held in ice-like structures in the cold northern bogs and the bottom of the seas. They are called clathrates (or cathrates). They are stable only in the cold or under high pressure. Methane is 24 times more potent a greenhouse gas than CO\textsubscript{2}.

The estimated amount of methane stored in these clathrates is gargantuan. They are the largest concentration of methane found on earth. The compression of methane gas in clathrates is enormous. One cubic meter of clathrates brought to the ocean’s surface releases 164 cubic meters of methane.

The possibility of violent methane degassing (or “burping”) has been called the clathrate gun hypothesis. There is a suggestion that the ocean’s bottom waters couldn’t warm up to 8°C. If so, that would certainly set off massive clathrate destabilization. This is what turns the clathrates into a ticking time bomb.

These hydrates are already being released. High altitude photos show massive chimneys of methane bubbling off the ocean floor. They are subterranean versions of the gas field fires we saw during the first Gulf War in Kuwait.

Historically there are spikes in the methane record that may be explained by the violent degassing of clathrates. Some think that the Ecocene hothouse period was caused by runaway global warming from clathrates released from the oceans.”
“The biggest of these catastrophes occurred at the end of the Permian period some 250 million years ago. More than 94% of all marine species in the fossil records suddenly disappeared as oxygen levels plummeted and life itself teetered on the edge of extinction.”

It took 20 million or more years for coral reefs to begin reestablishing themselves, and in some areas over 100 million years for ecosystems to reach their former healthy diversity.

Both were caused by temperature rises of less than 6.5°C (43.7°F). Now these are average temperatures, but in the Siberian permafrost where much of the clathrates are buried the land is warming faster than anywhere else on Earth.”

**THE THREE MAJOR METHANE RELEASE SOURCES**

A giant hole has formed in the hydroxyl-ozone layer in equatorial South East Asia and the west Pacific and allows methane sourced from the 9–11 km high leading edge of the southward migrating Arctic Atmospheric Global Warming Veil to rise unimpeded into the stratosphere where it is increasing in concentration.

The high equatorial concentration of methane will be the reason for the extreme “El Nino” this year and the heating extends eastwards to the Gulf Stream enhancing its energy in a giant feedback loop.

- A major feedback mechanism is the heat trapping Methane Global Warming Veil sourced from the sub-sea Arctic methane hydrates which has blanketed the whole of the United States as far south as the Gulf Coast (from July 2013, www.methanetracker.org). This atmospheric methane veil will further overheat the Gulf Stream thus returning even hotter water back to the Arctic sub-sea methane hydrate destabilization grounds generating more extensive methane eruption zones.

- A second feedback mechanism is caused by the Arctic Ocean ice and Arctic region permafrost which is being degraded severely by
Top image: HAARP SBX Platform being towed out to sea and set along Earth’s geodesic energy grids for maximum connectivity.

Bottom image: HAARP facility in Alaska used to steer weather, increase and reduce hurricanes, earthquakes and frequency-hopping mind control.
atmospheric temperatures around 20°C above normal, especially in Siberia and Alaska. About 90% of the Arctic frozen methane lies in the top three meters which is thawing and the temperatures of the river water is rising assisted by high atmospheric temperatures caused by widespread Spring fires. This hot river water flows north into the Arctic ocean where it spills onto the East Siberian Arctic Shelf (ESAS; Shakova etc., 2010, 2013) and into the Beaufort Sea, where it is destabilizing shallow methane hydrates releasing increasing quantities of methane directly into the atmosphere and increasing the concentration of the expanding Arctic Methane Global Warming Veil. Cenozoic pyroclastic volcanoes also occur on the west end of the ESAS, so destabilization of shallow methane hydrates is probably also opening deep seated, vertical fractures which will allow mantle methane to rise up into the atmosphere.

A third major feedback mechanism is formed by a massive hydroxyl (and ozone) hole that has developed in the atmosphere above the western Pacific and Indonesia (Robert Scribbler, 2014). Hydroxyls are nature’s air cleaners and they remove air pollution and methane from the atmosphere (Heicklen, 1976). The massive hydroxyl hole in Indonesia allows the southward spreading, 9 km to 11 km high, Methane Global Warming Veil to rise up into the stratosphere where it then returns back at high altitudes to the northern Polar regions to further thicken and increase the warming of the globally spreading methane cloud.

The massive hydroxyl hole in the atmosphere over Indonesia and the West Pacific also allows the shallow Methane Global Warming Veil to rise vertically into the dense equatorial stratospheric methane belt increasing its concentration. This is probably the source of the El Nino heat build up in the Pacific which is likely to occur in the Summer and Fall where the winds over the warmer ocean have shifted to the east.”
HAARP—the largest ionospheric heater in the world. Capable of heating a 1,000 square kilometer (1,609 miles) area of the ionosphere to over 50,000 degrees. It’s also a phased array. Which means it’s steerable by HAARP technology and those waves can be directed to a selected target area. What they have found is that by sending radio frequency energy up into an artificially created ionospheric layers, manipulating storm weather and focusing radio beams, they are heating up large areas of Earth caused by their desperate attempts to “Re-Arctic-fy” snow back onto the tundra to keep methane pool releases from occurring.

The big answer to our beyond major league weather problems is to stop all geoengineering practices today and let Nature heal herself and suffer our consequences of the Earth’s demise directly as a result of Man’s greed and avarice towards her.

Whatever consequences we must face for our past, and current egregious behavior to our Mother that Gives All Life, that will be our children’s karma to live out, if they have a chance at full lives. The evidence is overwhelming, abundant and clear for those with eyes to see and ear to hear that the geoengineering of our skies for the past 5 decades and more, is accelerating the rapid die-off of all sentient life on Earth. Since all western science is based on a big hammer to pound and break apart, they have created a High Frequency Active Auroral Research Program (HAARP) program to bust up the mass pools of methane releases in the Arctic regions through frequency
manipulations of our skies, much like an opera singer can break glass with her high-pitched voice. Geoengineering creates a false ionospheric sky to bounce the signals off of, sometimes as low as 10–15,000 feet above our heads.

The theory, developed on in science labs recently and just being developed and put into practice the past few years, is to use alternating frequencies from HAARP devices around the world to break up the methane gases as they are released from the Arctic Tundra, and before they can deploy into further life killing C0₂. These nano-particulate matters then create what science calls “nano-diamonds” of very small methane crystals that are hoped to mitigate mass methane spreading overhead. Hence the name for one of their projects explained below has been named “Lucy,” as in the Beatles song, “Lucy in the Sky with Diamonds!”

Since all science has in their tool belts are hammers, then pound away they must. So they are using highly advanced technology, worked out only in theory in government laboratories to blast the large pool of methane gases using HAARP technology.

HAARP: is The largest ionospheric heater in the world. Capable of heating a 1000 square kilometer (1609 mile) area of the ionosphere to over 50,000 degrees. It’s also a phased array. Which means it’s steer-able by HAARP technology and those waves can be directed to a selected target area. What they have found is that by sending radio frequency energy up into an artificially created ionospheric layers, manipulating storm weather and focusing radio beams, they are heating up large areas of Earth caused by their desperate attempts to “Re-Arctic-fy” snow back onto the tundra to keep methane pool releases from occurring.

Please keep in mind that the DARPA, the US Defense Advanced Research Projects Agency, has advanced technology some 25-100 years beyond what they release to us today. It was DARPA that released the Internet platform in 1995 we all use world-wide today. (The speeds we are used to today, are processing speeds they had back in 1995) They also hold the Nikola Tesla patents for free-energy for all, developed by Mr. Tesla in the early 1900’s ,but still held back from the public still to this today.

Climate Weather Engineering

Tragically for all, by all measures, they have been wildly unsuccessful
in re-Arctification, causing even more rapid heating of Earth over the past few years in a vicious warming feedback loop on unintended, yet predicted, consequences. In 2007, the first large methane pools released as the snow/ice melted and exposed the tundra. Then much larger pools of methane gas released in 2013. Today, in the Spring of 2016, the lid is off and we’ll likely be ice-free this Fall for the first time in millions of years. A very, very big deal for the future of all life on Earth.

Yet, the spin doctors of corporate science, hiding such critical news of these increasingly deadly for all mass methane releases, only want to point to increased snow in the Arctic, taken from computer generated images from Google Earth. These images only show increased snow coverage of just a few inches after snow nucleated spraying. (Please note that we see only CGI images of the Arctic and Antarctic Circle, never a real-time live pictures from NOAA and NASA).

This artificial heating literally lifts the ionosphere within a 30 mile diameter area therein changing localized pressure systems or perhaps the route of jet streams. Moving a jet stream is a phenomenal event in terms of man being able to do this and their is no precedent for this huge attempt to play God with weather around the world, yet is employed daily by our government sponsored climate engineers, completely under the radar of the general sleeping “sheeple.”

**Factoid:** The word “World” is derived from ancient Phoenician language from the word “Whirled,” as in a spiraling, imploding toroidal vortex which occurs regularly at the North Pole.

This Weapons of Mass Weather Manipulation (WMWM) was brought into this world over a hundred years ago by Nikola Tesla and patented by Bernard Eastlund. (US PATENT 4,686,605) Bernard Eastlund’s discoveries, are innovative applications of the work of Tesla and Michael Faraday. Mr. Tesla’s plans to provide power on any spot on the Earth, to modify weather and eliminate drought, floods and hurricanes was usurped by the US military to make a death ray.
Wilhelm Reich (March 24, 1897–November 3, 1957) was an Austrian-American psychiatrist and psychoanalyst, known as one of the most radical figures in the history of psychiatry.

Mr. Reich designed a “cloudbuster” with which he said he could manipulate streams of orgone energy in the atmosphere to induce rain by forcing clouds to form and disperse. It was a set of hollow metal pipes and cables inserted into water, which Reich argued created a stronger orgone energy field than was in the atmosphere, the water drawing the atmospheric orgone through the pipes.

The cloudbuster was intended to be used in a way similar to a lightning rod: focusing it on a location in the sky and grounding it in some material that was presumed to absorb orgone—such as a body of water—would draw the orgone energy out of the atmosphere, causing the formation of clouds and rain.

Reich conducted dozens of experiments with the cloudbuster, calling the research “Cosmic Orgone Engineering.” The Official US Government position on “Orgone Energy” is that it doesn’t exist. Yet, that didn’t stop the US Government from passing laws against it, burning all of Wilhelm Reich’s books and destroying all his equipment and locking him up in Prison, (where he died), for something they say “Doesn’t exist.”

Today the world military has the abilities to command and control all weather as well as cause earthquakes. They can steer hurricanes, create snow and alter temperatures at will. Case in point was the Beijing Olympics, where reports of over a billion dollars in damages was created from the admitted and acknowledged use of weather modification technologies using HAARP technology was used.

HAARP has also been reported to have been highly active off the coast of Fukushima in March of 2011 from those who monitor HAARP activities.

HAARP is a military project based on Eastlund’s discoveries. It has eluded the spotlight of the popular press. But for years now, conspiracy and coincidence theory web sites as well as some credible scientific publications, have questioned how messing with the ionosphere could be hurting the environment.
To make matters worse, HAARP has been maintained mostly as a clandestine project operated by the US Navy, world-wide and coordinated through “The Entity,” the intelligence gathering arm of the Vatican that lords over the CIA, NSA, MI5 and 6, and Israeli Mossad.

Information that is made available to the public is carefully worded to make HAARP appear as a bland, harmless, unclassified, atmospheric research facility. Recently, the US Government announced the shuttering of the HAARP facility in Alaska, yet as you can clearly see from the above map, HAARP is situated world-wide along Earth’s geodesic energy grid key lines, stationed all around the Antarctic Circle, and over energy Earth energy power grid lines in our ocean.

The Earth’s electromagnetic energy grid lines also pass through ancient historic monuments like Stone Henge, the Egyptian Pyramids at Giza, Mexico, Bosnia, the Georgia Guide stones and undersea in Japan as well as many prominent Christian churches that built their monuments directly over ancient pagan sites. See the above HAARP map. Our ancient ancestors knew the power of Earth’s energy fields and so today, does our overlords of technology use the same energy to control and command weather today.

It has also been proven that Earth has its own electrical magnetic frequency that nearly matches exactly the same frequencies that Earth’s ionosphere resonates at (8.47 and 8.54 MHz). This is exactly in the same range as the vibrational frequencies of human beings.

**Factoid:** The powers in charge enlisted the help of shoe manufactures in the 1950’s and 60’s to replace leather soles on shoes with rubber. This simple act disconnected us from the grounding source to our Mother Gaia, and thus our own torodial connection to the heavens above as to keep us from accessing our higher consciousness. This was celebrated, for those in the know, with the Beatles album cover in 1965, “Rubber Soul.”
"Man is the only species that is willfully destroying the only home that gives all Life" — Extinction-R-Us Through Advanced Technology?

Intelligent survivors of extremely perilous circumstances plan for the worst case scenario taking Murphy’s law as the given truth—“If anything can go wrong, it will go wrong.” Most of the information below further explores and shows new proof that Humanity is facing an Arctic methane induced firestorm within the next decade, or before.

Methane emissions from Arctic sub-sea methane hydrates is now out of control and is caused by fossil fuel-driven warming of the Earth’s atmosphere and oceans, most notably along the eastern and western coasts of the American continent and Asia so far.

**LUCY, ALAMO and the A.N.G.E.L.S. Projects**

*(Taken directly from Sam Caran’s Arctic-news log and linked in the bibliography and links section).*

“Massive temperature increase is almost entirely due to the build up of methane in the atmosphere from destabilization of the sub-sea Arctic methane hydrates. The Arctic atmosphere methane is the killer and we need to immediately find methods to remove large volumes of it from the troposphere and the stratosphere if we have any hope of surviving the
fast approaching extinction event. What we have got to do is eliminate as much of the atmospheric methane by whatever means we are able to devise, to bring its concentration down to about 700 PPB. This level will eliminate much of the methane delayed temperature anomaly and give the massive industrial nations a little leeway to get their houses in order.

All the scientific expenditure and ingenuity of the major industrial nations should be engaged in developing methods of breaking down atmospheric methane without burning it. Methods of increasing the tropospheric and stratospheric hydroxyl concentrations and using radio – laser systems such as the Alamo – Lucy projects and their applications to HAARP must be developed and tested with the utmost urgency, as should local methods of converting carbon dioxide and methane via catalysts into other products.

We have to get rid of this methane monster before it devours us all. If we fail to reduce the fast growing methane content of the atmosphere in the next few decades we are going to go the same way as the dinosaurs.

The Lucy Project

The Lucy Project is a radio beat frequency and laser system for destroying the first hydrogen bond in atmospheric methane when it forms dangerously thick global warming clouds over the Arctic. It generates similar gas products to those normally produced by the natural destruction of methane in the atmosphere over some 15 to 20 years. This system will use similar frequencies to those used in generating nanodiamonds from methane gas in commercial applications over the entire pressure range of the atmosphere from the surface to 50 km (31 miles).

Methane produced at the surface diffuses upward and is broken down by photo dissociation (sunlight) and chemical attack by nascent oxygen and hydroxyl as below. Methane destruction with nanodiamond formation!

Modified Lucy Project to Generate Hydroxyls at the Sea Surface Using Beams
of Polarized 13.56 MHz Radio Transmissions. The Lucy and Alamo (HAARP) projects were designed to break down atmospheric methane using radio – laser transmissions.

In this system three additional transmitters on three separate ships will have their antenna placed slightly lower than the main 13.56 MHz methane destruction antennae. Recent experiments have shown that when a test tube of seawater was illuminated by a polarized 13.56 MHz radio beam, that flammable gases (nascent hydrogen and hydroxyls) were released at the top of the tube. In the modified version of the Lucy Project, hydroxyls will be generated by a polarized 13.56 MHz beam intersecting the sea surface over the region where a massive methane torch (plumes) is entering the atmosphere in order that the additional hydroxyl produced will react with the rising methane breaking a large part of it down. In the Arctic Ocean, the polarized 13.56 MHz radio waves will decompose atmospheric humidity, mist, fog, ocean spray and the surface of the waves themselves into nascent hydrogen and hydroxyl.”

A newly determined global atmospheric temperature gradient indicates that the mean global atmospheric temperature anomaly will reach 1.5°C in 15 years (2028.5) and 2°C in 20 years (2033.4). Consequently we only have 15 years to get an efficient methane destruction radio – laser system designed, tested and installed (Lucy and Alamo (HAARP) Projects) before the accelerating methane eruptions take us into uncontrollable runaway global warming. This will give a leeway of 5 years before the critical 2°C temperature anomaly will have been exceeded and we will be looking at catastrophic storm systems, a fast rate of sea level rise and coastal zone flooding with its disastrous effects on world populations and global stability. An anomalous temperature of 4°C will be reached by the atmosphere around 2043 which will end the vegetation carbon sink, preventing plants from helping balance carbon dioxide exhalation and this will further accelerate climatic change.”

Alamo Project

“Methane is rising into the stratosphere and mesosphere where some of it is being oxidised to produce larger quantities of noctilucent clouds between 76 and 85 km altitude (solar dimming). Noctilucent clouds were originally confined to the southern polar regions, were then seen north of Norway and are now occurring at much lower latitudes over Colorado. Professor James
Russel of Hampton University argues that the build up of methane in the atmosphere is the reason for the increase in noctilucent clouds. Prof Russel says: “When methane makes its way into the upper atmosphere it is oxidised by a complex series of reactions to form water vapour. This extra water vapour is then available to grow ice crystals for noctilucent clouds.”


If we succeed in breaking down the methane in the stratosphere and mesosphere with the HAARP–IRIS (Ionospheric Research Instrument) using the 13.56 MHz methane destruction frequency, it could lead to an increase in noctilucent cloud formation in a circular zone directly above the HAARP transmitters which could be detected by optical cameras or radar. Besides the elimination of the high global warming potential methane, noctilucent clouds formed from methane water condensing on meteorite dust and nanodiamonds will reflect the sun's radiation back into space and this will also help to counteract global warming. The HAARP–IRIS transmitters normal frequency range is from 2.8 MHz to 10 MHz. If for example a 10 MHz carrier wave is modulated by a 3.56 MHz signal, it will produce and Upper Side frequency of 13.56 MHz, the necessary methane destruction frequency and a Lower Side Frequency of 6.44 MHz (Penguin Dictionary of Physics, 2000).

The HAARP tests should be conducted in the summer when the stratospheric temperatures are at the lowest in Alaska (140˚K–160˚K) increasing the chances of noctilucent cloud formation from the radio frequency oxidised methane.”

“We clearly have to destroy more than 62% to 64 % of the present methane content of the atmosphere before the Earth will have a livable atmosphere. This also means stopping all the Arctic methane eruptions by de-pressurizing the methane under the sub-sea methane hydrates to stabilize the methane content of the atmosphere.” —Sam Carana 2013

A.N.G.E.L.S. Project

(Arctic Natural Gas Extraction, Liquefaction, Sale and Storage)

“The A.N.G.E.L.S. Projects are solutions to the extreme Arctic methane build-up that must be done in conjunction with a complete cut-back in carbon...
dioxide emissions from North America, if we have any hope of stopping this now, almost out of control, exponentially escalating build-up of methane in the atmosphere and its extreme enhancement of global warming.

The A.N.G.E.L.S. Project will require the drilling of inclined boreholes into the sub-sea Arctic permafrost/methane hydrates to drain the over pressured methane from beneath them and thus de-pressurize the reservoirs. This will stop many of the Arctic sea surface methane eruptions by drawing ocean water down the eruption zones and will allow a controlled destabilization of the undersea methane hydrates producing natural gas source for many hundreds of years. This gas can be liquefied in surface plants, put into LNG tankers and sold as a feedstock for hydrogen plants or permanently stored in propane-ethane hydrates with carbon dioxide at ambient temperatures in deep ocean basins.

Symbiotic Bacteria Destroying Methane in the Arctic Ocean

Two symbiotic methane eating microbes in cold ocean waters excrete carbon dioxide and need an enzyme that requires tungsten to operate. They are a sulfate utilizing **deltaproteobacteria** and an anaerobic **methanotrophic archea**. The carbon dioxide released by the bacteria reacts with minerals in the water to form calcium carbonate. If these bacteria and tungsten enzymes were introduced in great quantities into the Arctic Ocean they could eliminate the methane plumes before they entered the atmosphere giving humanity time to destroy the existing atmospheric methane accumulations.”

It needs to be noted that all of this advanced technology is being tested on Earth itself as a grand lab experiment. Like the cancer, that never ever gets cured, only made worse by our ever toxifying environment, so far Lucy and Alamo Projects have made a dire situation now considerably worse by all measurements as well as accelerated deadly greenhouse gas accumulation over our world, which in turn inversely accelerates Earth heating up, truth be told.
Chapter 8 | Conclusion

December 2015 US West Coast

(From Sam Carana www.amegblog.me, 2013)

“The Earth is a giant convecting closed system, the underlying molten magma being heated by deep seated radioactivity and the oceans and atmosphere are its cooling radiator which allows the Earth the facility to vent this heat into open space. Mother Earth has carefully held the atmospheric temperature within a stable range necessary for oceans to exist for at least 4 billion years and nurtured the earliest bacteria to evolve into today’s space faring humans.

The fouling up of the Earth’s cooling radiator from human emissions of greenhouse gases derived from fossil fuels will be counteracted by Mother Earth in her characteristic fashion by emitting vast volumes of deadly methane into the atmosphere from the Arctic regions.

This will lead to the total extermination of all harmful biological species that produce greenhouse gases in the same way that Mother Earth did during the Permian and other extinction events.

In this case however we have totally tipped the balance with our extreme carbon dioxide and methane emissions so that there will be no chance of recovery for the Earth in this time frame, because the methane release will cause the oceans to begin boiling off between 115oC and 120oC (239oF-248oF) in 2080 and the Earth’s atmosphere will have reached temperatures
equivalent to those on Venus by 2096, 460°C–467°C (869°F–872°F). This is also being coined as the Venus Effect.

Mankind’s greed for fossil fuels will have completely destroyed a magnificent beautiful blue planet and converted its atmosphere into a barren, stiflingly hot, carbon dioxide rich haze. The earth will have moved permanently out of the magical zone (Circumstellar habitable zone, Goldilocks zone) where life (some of it probably highly intelligent) also exists elsewhere in the myriad of other solar systems that are located within the far reaches of our Universe.

The power, prestige and massive economy of the United States has been built on cheap and abundant fossil fuels and Canada is now trying to do the same. The present end of the financial crisis and recovery of the US economy will take us down the same fossil fuel driven road to catastrophe that the US has followed before. Unless the United States, Canada reduce their extreme carbon footprints (per unit population), they will end up being found guilty of ecocide and genocide as the number of countries destroyed by the catastrophic weather systems continues to increase.

The United States and Canada with their expanding economies and their growing frenetic extraction of fossil fuels, using the most environmentally destructive methods possible (fracking and shale oil) as well as the population’s total addiction to inefficient gas transport is leading our planet into suicide. We are like maniacal lemmings leaping to their deaths over a global warming cliff. What a final and futile legacy it will be for the leader of the free world to be
remembered only in the log of some passing alien ship recording the loss of
the Earth’s atmosphere and hydrosphere after 2080 due to human greed and
absolute energy ineptitude.

The US has to put itself on a war footing, recall its entire military forces
and set them to work on the massive change over to renewable energy that
the country needs to undertake, if it wishes to survive the fast approaching
catastrophe. The enemy now is Mother Nature who has infinite power at
her disposal and intends to take no prisoners in this very short, absolutely
brutal, 30–40 year war she has begun. I cannot emphasize more, how serious
humanity’s predicament is and what we should try to do to prevent our certain
final destruction and extinction in the next 30–40 years if we continue down
the present path we are following.
NASA Is Heavily Involved in Geonegineering

Micro Dust Weaponry

A Mechanical Analog to Bio, Micron sized mechanized “dust” which is distributed as an aerosol and inhaled into the lungs. Dust mechanically bores into lung tissue and executes various “Pathological Missions.”

A Wholly “New” class of Weaponry which is legal.
Chapter 9 | Summary

What other species destroys its own nest so unconsciously and then, upon learning of its toxic actions, increases its consumption through borrowing into the future to accelerate its own destruction?

It is critical that we reach critical masses becoming conscious and aware about our world’s powers and government secret weather modification programs as quickly as possible so that these programs can be shut down immediately, if not sooner. Clearly we have caused the Earth’s natural weather systems to be greatly altered by anthropogenic means, so the answer is stop it. Stop it all and begin a massive conservation effort at the grass-roots level using what our communities have available, where you live.

NASA Not A Civilian Space Agency

NASA and other alleged space agencies are heavily involved in the unannounced spraying of our skies for decades now. They even have documented their goals and future goals for their Full Spectrum Dominance of Earth in coordination with the world’s military power structure of today. NASA is funded under the Department of Defense, is a military operation, and was founded in 1958 by Nazi rocket scientists, movie producers and Freemasons, yet is always been promoted as a civilian operation only.

As you can clearly see on the following screen shots of NASAs own document “Future Strategic Issues, Future Warfare,” (circa 2025), written in 2005...
Geoengineering *Not* Chemtrails Investigation Into Humanities 6th Great Extinction

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**Some Interesting “Then Year” BW Possibilities**

- Aflatoxin - (“natural,” parts-per-billion, carcinogen)
- Airborne varieties of Ebola, Lassa, etc.
- Binary agents distributed via imported products (Vitamins, Clothing, Food)
- Genomically (individual/societal) targeted pathogens
- Long term/fingerprintless campaign (as opposed to “shock and awe” BW)

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**An (Existing Bio Calmative - VEE (Venezuelan Equine Encephalitis))**

- Ideal Incap. BW Agent
- Weaponized by U.S. & USSR in 50’s/60’s
- Easily transmitted via Aerosol
- Highly infectious, Low Fatality Rate
- 1 to 5 day incubation, 3 week recovery
- Tested on Humans (Operation Whitecoat)
- No Treatment Available
and in the .PDF listed in the Website and Links section of this book, NASA has done extensive research and development of many different aerosol application techniques and uses including very disturbing work with self-replication nanobots applied through aerosol application of “Smart Dust,” which we are all up-taking through our breathing, as they spray over all our heads on a regular basis, which I cover in Book III, “Touchless Torture. Target Humanity.”

Make no mistake, NASA is a primarily a military operation as evidenced by their own slide show presentation authored by their Chief Scientist at NASA Langley Research Center,

—Dennis M. Bushnell.

NASA’s very first Director of the Saturn Rocket Program was Werhner Magnus Maximilian, Freiherr von Braun who held membership # 5,738,692 with the Nazi Party of Germany when he directed the design of V1 & V2 rockets (“V” for Vengeance) that rained hell-fire on US allies during WWII, killing tens of thousands.

Von Braun, along some 3000 other Nazi German scientists, including some of the most heinous eugenicists and mind control specialists, were brought into the US over three decades, beginning in the early 1950’s under Operation Paperclip. (Paper clips were used on their files as code for the operation.) The operation was run under the Office of Strategic Services (OSS), now the CIA, and conducted by the Joint Intelligence Objectives Agency (JIOA).

Another Nazi scientist who became an American space hero was Dr. Hubertus Strughold, later called “the Father of US Space Medicine.” He had a long and distinguished career at NASA and even had an American library named after him. He ran a facility at Dachau in which medical experiments were carried out on prisoners and he even had a traveling laboratory, going from camp to camp. One area of Mr. Strughold’s research was a precursor to the CIA’s MKUltra mind control experiments, which today has now become a wireless touch-less torture program using geoengineering, HAARP, supercomputers, smart dust and some very, very sick minds that only desire is to command and control all.
Mr. von Braun also found time in 1958 to host the Disney show “Man in Space” to start to sell the US Space Program. His co-host was Heinz Haber, another NASA Nazi. Mr. Haber worked for Mr. Strughold and co-authored papers that were based on human experiments performed at Dachau and other concentration camps in which hundreds of prisoners were subjected to experiments that simulated the conditions of high speed, high altitude flight. Prisoners that survived the experiments were generally killed, then dissected.

When the Eisenhower administration asked Walt Disney to produce a propaganda film regarding the peaceful uses of nuclear energy, Mr. Haber was picked to host the Disney show, “Our Friend the Atom.” Mr. Haber then wrote a popular children’s book of the same title.

The JIOA worked independently to create false employment and political biographies for the scientists. The JIOA also expunged from the public record the scientists’ Nazi Party memberships and regime affiliations. Once “bleached” of their Nazism, the scientists were granted security clearances by the US government to work in the United States and given US Passports.

Another hidden fact of revisionist history is that before, and during, the entirety of WWII, many of the greatest US corporations were partnered with Germany.

John D. Rockefeller provided the anti-knock fuel additives through his Standard Oil of New Jersey so Germany’s Luftwaffe Air Force could fly. Germany has never been an oil producing country and had to manufacture synthetic fuel for the war effort. No no-knock fuel additive, no airplanes flying for the Nazis.

The German behemoth chemical company, I.G Farben, is known to have provided their military with chemicals used on Allies to torture and gas prisoners during the war.

On I.G. Farben’s US subsidiary board of directors were some of the most prestigious names among American industrialists such as: Edsel Ford of the Ford Motor Company, C.E. Mitchell, and Walter Teagle, directors at the Federal Reserve Bank and President Franklin D. Roosevelt’s Georgia Warm Springs Foundation.

According to Antony Sutton, in his brilliant trilogy of books on Wall Street & Stalin, Hitler and FDR, provided documentation showing that I.G. Farben and other business’ of the world elite, were spared allied bombing throughout WWII.
Paul M. Warburg, the first director of the Federal Reserve Bank of New York and chairman of the Bank of Manhattan (later Chase Bank), was also an I.G. Farben director.

Meanwhile, in Germany, his brother, Max Warburg, was also a director at I.G. Farben. Max Warburg belonged to a circle of advisors of the German emperor, Wilhelm II. Following World War I, Max Warburg participated in the negotiation of the Versailles Treaty as member of the German delegation, though he declined the offer to chair the Finance committee and instead suggested his partner in the Warburg bank, Carl Melchior.

Paul Warburg married Nina Loeb, daughter of Salomon Loeb, a founding partner of the New Yorker Wall Street banking house Kuhn, Loeb & Co. Felix Warburg, another brother, married Frieda Schiff, the sole daughter of Jacob H. Schiff, a senior partner in the same firm. Both Warburg brothers eventually joined as partners of Kuhn, Loeb, the second biggest private bank in the United States prior to WWI.

Prescott Bush, father and grandfather to two US Presidents, was indicted under the Trading with the Enemies Act in 1942 by the United States for his continued illegal and treasonous assistance to the Germans during wartime. His assets were seized, and he likely promised his fellow cronies of capitalism never, ever, to do it again. Another great omission in US histories narrative.

Car maker Henry Ford, received the Grand Cross of the German Eagle for his support to Germany. He also opened in the 1930s the largest automobile manufacturing plant in Gorky, Russia at that time. This plant was later retrofitted and made armored tanks used against the US in the Korean and Vietnam wars. When WWII broke out he abandoned some 450 US auto workers and their families to help run the new Russian factory and is recounted in the excellent book by Karl Tobien, “Dancing with the Red Star” by the only known survivor of the Russian gulag’s, Margaret Werner.

Coca Cola changed their brand name to Fanta, to continue to sell sodas in Germany. IBM contributed new computer know how to keep track of POW’s and extermination records. The list goes on to manufactures of truck parts to medical testing devices to the delivering of scientists to the US with complete
immunity from prosecution for their war crimes.

“You can’t solve a problem from the same mind that created the problem in the first place.” —Albert Einstein

It is complete naivety to believe that the same ones causing the problems are going to suddenly wake up and find the error of their ways. It will only be by the grace of the Great Mystery that we are allowed to survive. Hope comes through active consciousness awakening and education resulting in A-C-T-I-O-N. Current projections form those in the know, believe we have less than a decade left for most sentient life on Earth if we do not stop all geoengineering activities today as well as greatly reduce CO₂ polluting activities.

We are the problem, yet the Climate Engineers playing God with our weather, are making it exponentially worse, while spraying heavy metal toxins over our waterways and on our soil we where our food is grown. The Baby “Doomers” of my generation choose to remain absolutely clueless as to the effects and affects of Earth’s warming liquidation. There is no such thing as organic food any longer.

All food now shows ever increasing levels of aluminum and other nano-particulate matter. Through this uploading of heavy metal toxins we have all become antennas that can manipulate anyone at will.

Much sooner than later, foods will only be able to be grown with Monsanto related heavy-metal resistant seeds. Growing your own food, and/or partnering with local farmers is a must as well as using heavy metal lifting plants for the soil, like Sunflowers and Hemp plants.

My third book on geoengineering “Touchless Torture Brainwashing,” I will cover touchless torture being used along with supercomputers, over-the-horizon
radar, HAARP and smart dust that is in the aerosol spraying. The smart dust being sprayed on all that containing self-replicating nanobots where targeted individuals are having their minds, speech, dream and soul mapped and controlled wirelessly. Another excellent reason for shutting this geoengineering monster down.

Let’s be very clear here, Mother Gaia will survive humanity’s suicidal self-genocide, yet those that rely on Earth for their subsistence and survival will not... and this is not a big IF, it is now a “when” because we have passed the “we had better soon or else” moment in our collective history.

We are past a normalized world, yet our only hope of survival is if we allow our Supreme Mother and Father Sky to heal on their own and once again, return to the sacredness of all Life on Earth.

All hands on deck are required immediately and actively, to sound the alarm to awaken the snoring. Inaction deemed more deadly than error at this late inning of this, the 6th Great Extinction Event in the History of Mankind.

If we fail, and we are down 20-0 in the ninth inning here with two outs to use a baseball metaphor, the message is clear, our children, all Life, have no long term future due to our willful, and continued ignorance, to what is occurring over all our heads through geoengineering practices on a daily, weekly, and decades long basis.

And that is one hell of a legacy to leave on or way out.

Truth be told.

The End
Other Author Books
(to be released in 2016)
A Hopi Elder Speaks:

“You have been telling the people that this is the eleventh hour, now you must go back and tell the people that this is the hour. And there are things to be considered ....

Where are you living?
What are you doing?
What are your relationships?
Are you in right relation?
Where is your water?
Know your garden.
It is time to speak your Truth.
Create your community.
Be good to each other.
And do not look outside yourself for the leader.”

Then he clasped his hands together, smiled, and said, “This could be a good time!”

“There is a river flowing now very fast. It is so great and swift that there are those who will be afraid. They will try to hold on to the shore. They will feel they are torn apart and will suffer greatly. Know the river has its destination.”

The elders say we must let go of the shore, push off into the middle of the river, keep our eyes open, and our heads above water. And I say, see who is in there with you and celebrate. At this time in history, we are to take nothing personally, Least of all ourselves. For the moment that we do, our spiritual growth and journey comes to a halt. The time for the lone wolf is over. Gather your selves! Banish the word struggle from your attitude and your vocabulary. All that we do now must be done in a sacred manner. We are the ones we’ve been waiting for.
Appendix I

Harvard Professor and Lead Government Scientist, David Keith, Promotes Aerosol Geoengineering as Fix for Warming via Covert Climate Modification

This interview reveals a few interesting forecasts:

➤ Keith sees geoengineering (GE) programs to begin in no less than 10 years.

➤ Sulfur has been ruled-out as a GE agent but we know he recommended aluminum in GE activities at the 2010 AAAS conference but—for some reason, did not mention aluminum in this interview.

➤ Keith claims the topic of GE has been “taboo” even though citizens have been complaining about it since the mid 1990s.

➤ Keith boldly claims the GE operation will be “invisible.” If aerosol GE begins in 10 to 15 years, the population will already have adapted to seeing the sky littered with aerosol clouds thus nothing will have “appeared” to change in the perception to most people looking up.

➤ Keith invokes the guilt message that CO$_2$ is the by-product of people using too many resources and that the consumers must pay for the sins of corporations who caused the problem in the first place. His emphasis is never on the greed aspect of the so-called “elite.”

Interviewer and host, Tony Jones, appears clueless on the issue of covert aerosol operations.

★★★★★

(Reproduced, including underline and bold emphasis’ in its entirety from www.chemtrailplanet.com)
TONY JONES, presenter:
“Earlier today I spoke with geoengineering expert David Keith, Professor of Applied Physics at the Harvard School of Engineering and Applied Sciences.” (He was in Calgary, Canada). “David Keith, thanks for joining us.”

DAVID KEITH, Applied Physics and Environmental Engineering, Harvard:
“Great to be here.”

TONY JONES: “Now scientists originally calculated that the major impact of global warming would happen towards the end of this century, so geoengineering was considered to be something far off in the distant and really science fiction for most people. Why the urgency now? Why has the debate changed?”

DAVID KEITH: “I think the debate’s changed really because the sort of taboo that we wouldn’t talk about it has been broken. So, people have actually known you could do these things for better or for worse for decades, actually since the ’60s, but people were sort of afraid to talk about them in polite company for fear that just talking about it would let people off the hook so they wouldn’t cut emissions.”

“And that fear was broke a few years ago and so now kind of all the research is pouring out really because effectively had been suppressed, not by some terrible suppressor, but by a fear of talking about it.”

TONY JONES: “So what do you think would actually drive the world’s superpowers or a collective of nations to decide to actually do this, to go ahead and begin the process of planning and preparing for a geoengineering project?”

DAVID KEITH: “Very, very hard to guess. I mean, essential thing to say about this is that technology is the easy part; the hard part is the politics. Really deeply hard and almost unguessable. At this point we have no regulatory structure whatsoever and no treaty structure, so it’s really unclear what would—how such a thing would be controlled.”
TONY JONES: “Do you have any sort of idea at all what kind of timescale there might be before governments are forced to seriously consider this? Is it 10, 20, 30, 50 years?”

DAVID KEITH: “Well, forced is a very fuzzy word, so a popular thing to say in this business is to say that we would do it in the case of a climate emergency. But that’s kind of easy to say. In a case of emergency we should do all sorts of wild things, but it’s not clear what an emergency is. So I’m a little sticky with the word forced. But I think it could happen any time from a decade from now to many, many decades hence.”

The big question right now really is: “Should we do research in the open atmosphere? Should we go outside of the laboratory and begin to actually tinker with the system and learn more about whether this will work or not. And I’m somebody who advocates that we do such research.”

“And one thing that research may show is that this doesn’t work as well as we think. And my view is: whether you’re somebody who hopes this will work or hopes it doesn’t, more knowledge is a good thing.”

TONY JONES: “So if you were given the go-ahead to do research and the funds to do it, because I imagine it would be very expensive, what would you actually do?”

DAVID KEITH: “It’s not very expensive actually to begin to do little in-situ experiments. So I am working on one and many other people are. So what we would do – the experiment that I’m most involved with would look at a certain aspect of stratospheric chemistry, of the way that the ozone layer is damaged and we’d be looking at whether or not and how much increase of water vapour in the stratosphere, which may happen naturally, and also the increase of sulphate aerosols if we geoengineered might damage the ozone layer.”

“Basically, how much damage there would be and how we could fix it. And that experiment would be done in a very, very small amount of material; we’re talking, like, a tonne of material, so small compared to what an aircraft does traveling across the Pacific. And the cost of it would be a “few millions to 5 million” kind of money, which on the scale of big atmospheric research
projects is actually not that much. I mean, the total climate research budget is billion class.

TONY JONES: “Is it clear now or is it becoming clearer that the best strategy if you wanted to go to a global scale would be literally flooding the stratosphere with sulphate particles?”

DAVID KEITH: “I think the honest answer has to be that we don’t know, that you need to do the research in order to have strong opinions about what’s the right answer. I would say, you know, if you really put a gun to my head and said, ‘What’s the very most likely thing to work right now?’ That’s probably it. And the reason is because it mimics what nature has done.”

“So we have big volcanoes that put sulfur in the stratosphere and we know something about the bad impacts of that and we know something about what it does to cool the planet. And so it seems pretty likely that since we’d be putting in much less than nature puts in, at least for the first half century or more, that we could actually do something and control the risks.”

TONY JONES: “Yes, I guess you mentioned volcanic activity and that’s what scientists are basing, I suppose, their knowledge on now. What we’ve seen from volcanic activity is – and you can go back to ’91 and Mount Pinatubo, which actually caused a fairly sudden drop in global temperatures because it blanketed the atmosphere in that way, but it also had, evidently, climate change effects itself, so there are clearly dangers here.”

DAVID KEITH: “For sure. There are a bunch of dangers. There are both the dangers of kind of side effects like ozone loss or interfering with atmospheric chemistry in other ways. There’s the basic fact that this is not a perfect compensation for CO₂.”

“So for example, carbon dioxide makes the ocean more acidic and doing these things to cool the planet will do nothing to correct that. So in the end we will have to cut emissions no matter what, but the fact that we have to cut emissions in the long run doesn’t mean that we might not want to do things in the short run that actually provide real protection, if in fact they do, protecting people from heat stress or protecting the Arctic from melting.”
“So I think we need to get out of the kind of extreme either/or that says you only do this if you can’t cut emissions. That’s nonsense. Cutting emissions we need to do in order to reduce the risks over the next century or two, but we still might want to do some of this in order to reduce the risks over the next half century and those are really quite distinct things.”

TONY JONES: “Let’s talk about the risks of actually doing it on a global scale because you’ve been pretty frank about that. You’ve actually said you could easily imagine a chain of events that would extinguish life on Earth. Now what would be that potential chain of events from using this kind of technology?”

DAVID KEITH: “Yes, I probably got quoted a little out of context there. I think there are sort of theoretically possible ways that could happen, but I don’t think there’s socially plausible way it could happen. So, you might in principle be able to put up enough reflective aerosols – probably not sulphates, actually; I think it won’t work with sulphates – but some other engineered aerosol.”

“And if you did that for 100 years and reflected away sort of 8 per cent of the sunlight, whereas the amount people are talking about doing is more like 1 per cent, then in principle you could actually freeze the oceans over, as happened some good chunk of a billion years ago, and that would be devastating. But I think that the chance of people doing that would sort of be a global suicide is so remote as not to be a serious worry.”

“I think the reason I’ve occasionally said that is that it illustrates the kind of power that this technology grants us. And I think for better, for worse, what this technology gives us is this enormous kind of leverage and power to alter the climate and to do it with a very small amount of money or material and that power should frighten us, I think, and it presents real deep problems for governance.”

“So unlike the problem of CO2 emissions, which is changing the climate, but which is a product of human actions all over the planet. Every individual person flying or driving a car or using electricity around the planet contributes to carbon dioxide.”

“If you talk about putting sulphates or some other engineered particle in the stratosphere, the issue is that a very small number of people in principle
could do it and have this kind of huge leverage to affect the whole climate in this profound way. And that’s what raises the very hard challenge of governance.

TONY JONES: “Yes, is there a fear raised by what you’re saying that some country, a superpower, China, for example, has been suggested, could actually do something like this unilaterally and thereby create conflict over the whole idea of geoengineering?”

DAVID KEITH: “Yes, it’s certainly possible. So, there’s no question it’s technically possible to do it unilaterally. So, the actual materials you need, the aircraft and engineering you need to do this are something that would be in reach easily of any of the G20 states. It’s not hard to do. You could buy the equipment from many aeronautical contractors.”

“So in that sense it could be done unilaterally. I think that there are scenarios under which it would happen in the real world unilaterally, but I don’t think we should—I mean, I think you can exaggerate that possibility.”

“But, you know—so, for example, I think if nothing was done to manage emissions and if climate impacts really fell strongly on, say, India—which might actually happen from heat stress on crops—you could imagine India doing it unilaterally. But there’s a kind of a hard and an easy unilateralism.”

“So if a country in a really kind of wanton way just starts it with no consultation, that would be clearly ugly, bad, could create conflict, but I think there are also kinds of unilateralism where you’re not formally doing it in a legal multinational way, but where you do it with lots of consultation. And in that situation what might happen is a small number of countries might do it and many other countries might publicly say, ‘We wish we were involved in the decision,’ and privately say, ‘We’re pretty happy somebody’s doing this because actually it will reduce climate risk and then this other group will take the liability.’”

TONY JONES: “And final question, because you probably—if someone decided to do this, even if a group of nations decided to do this, there’d be tremendous skepticism in the public and you would, I imagine, get widespread protests, particularly when people realise that with sulphate particles in the atmosphere you’d actually change the colour of the sky, which has a really big psychological effect on people, you would imagine.”
“How serious first of all would that change of colour be if you really were able to do it on a global scale and would you expect protests?”

DAVID KEITH: “I think the change of colour would probably be invisible. I think it wouldn’t happen. So people have published papers where they get that, but only where they assume a quite large amount of geoengineering. They assume that geoengineering compensates all of the effect of climate change, which I think is a kind of nonsense policy.”

“So in a more plausible policy where you gradually wrap this up, compensating only part of the global warming (inaudible), to kind of balance risks and benefits and where you gradually use more advanced particles, maybe starting in 50 years, I think you never see a change in colour.”

“So I think that’s a bit of a unlikely circumstance. But I do think it’s clear that people will protest because there are going to be winners and losers, just as there are under climate change. So it’s important to say that putting CO2 in the atmosphere, which we’re doing, creates winners and losers and this will again.”

TONY JONES: David Keith, we’ll have to leave you there. Fascinating to hear from you. We thank you very much for taking the time to come and talk to us.

Appendix II
United States Patent and Trademark Office

Geoengineering Related Patents Since 1920

1338343 April 27, 1920: Process and Apparatus for the Production of Intense Artificial Clouds, Fogs, or Mists
1619183 March 1, 1927: Process of Producing Smoke Clouds from Moving Aircraft
1631753 June 7, 1927: Electric Heater, Referenced in 3990987
1665267 April 10, 1928: Process of Producing Artificial Fogs
1892132 December 27, 1932: Atomizing Attachment for Airplane Engine Exhausts
1928963 October 3, 1933: Electrical System and Method
1957075 May 1, 1934: Airplane Spray Equipment
2097581 November 2, 1937: Electric Stream Generator, Referenced in 3990987
2409201 October 15, 1946: Smoke Producing Mixture
2476171 July 18, 1945: Smoke Screen Generator
2480967 September 6, 1949: Aerial Discharge Device
2550324 April 24, 1951: Process for Controlling Weather
2582678 June 15, 1952: Material Disseminating Apparatus for Airplanes
2591988 April 8, 1952: Production of TiO$_2$ Pigments, Referenced in 3899144
2614083 October 14, 1952: Metal Chloride Screening Smoke Mixture
2633455 March 31, 1953: Smoke Generator
2688069 August 31, 1954: Steam Generator, Referenced in 3990987
2721495 October 25, 1955: Method and Apparatus for Detecting Minute Crystal Forming Particles Suspended in a Gaseous Atmosphere
2730402 January 10, 1956: Controllable Dispersal Device
2801322 July 30, 1957: Decomposition Chamber for Mono-propellant Fuel, Referenced in 3990987
2881335 April 7, 1959: Generation of Electrical Fields
2908442 October 13, 1959: Method for Dispersing Natural Atmospheric Fogs and Clouds
2986360 May 30, 1962: Aerial Insecticide Dusting Device
2963975 December 13, 1960: Cloud Seeding Carbon Dioxide Bullet
3126155  March 24, 1964: Silver Iodide Cloud Seeding Generator, Referenced in 3990987
3127107  March 31, 1964: Generation of Ice-Nucleating Crystals
3131131  April 28, 1964: Electrostatic Mixing in Microbial Conversions
3174150  March 16, 1965: Self-Focusing Antenna System
3234357  February 8, 1966: Electrically Heated Smoke Producing Device
3274035  September 20, 1966: Metallic Composition for Production of Hydroscopic Smoke
3300721  January 24, 1967: Means for Communication Through a Layer of Ionized Gases
3313487  April 11, 1967: Cloud Seeding Apparatus
3338476  August 29, 1967: Heating Device for Use With Aerosol Containers, Referenced in 3990987
3410489  November 12, 1968: Automatically Adjustable Airfoil Spray System with Pump
3429507  February 25, 1969: Rainmaker
3432208  November 7, 1967: Fluidized Particle Dispenser
3441214  April 29, 1969: Method and Apparatus for Seeding Clouds
3445844  May 20, 1969: Trapped Electromagnetic Radiation Communications System
3456880  July 22, 1969: Method of Producing Precipitation From the Atmosphere
3518670  June 30, 1970: Artificial Ion Cloud
3534906  October 20, 1970: Control of Atmospheric Particles
3545677  December 8, 1970: Method of Cloud Seeding
3564253  February 16, 1971: System and Method for Irradiation of Planet Surface Areas
3587966  June 28, 1971: Freezing Nucleation
3601312  August 24, 1971: Methods of Increasing The Likelihood of Precipitation by the Artificial Introduction of Sea Water Vapor into the Atmosphere Windward of An Air Lift Region
3608810  September 28, 1971: Methods of Treating Atmospheric Conditions
3608820  September 20, 1971: Treatment of Atmospheric Conditions by Intermittent Dispensing of Materials Therein
3613992  October 19, 1971: Weather Modification Method
3630950  December 28, 1971: Combustible Compositions for Generating
Aerosols, Particularly Suitable for Cloud Modification and Weather Control and Aerosol-ization Process

USRE29142  This patent is a reissue of patent US3630950, Combustible compositions for generating aerosols, particularly suitable for cloud modification and weather control and aerosol-ization process

3659785  December 8, 1971: Weather Modification Utilizing Micro-encapsulated Material

3666176  March 3, 1972: Solar Temperature Inversion Device

3677840  July 18, 1972: Pyrotechnics Comprising Oxide of Silver for Weather Modification Use

3722183  March 27, 1973: Device for Clearing Impurities From the Atmosphere

3769107  October 30, 1973: Pyrotechnic Composition for Generating Lead Based Smoke

3784099  January 8, 1974: Air Pollution Control Method

3785557  January 15, 1974: Cloud Seeding System

3795626  March 5, 1974: Weather Modification Process

3808595  April 30, 1974: Chaff Dispensing System

3813875  June 4, 1974: Rocket Having Barium Release System to Create Ion Clouds In The Upper Atmosphere [sic]

3835059  September 10, 1974: Methods of Generating Ice Nuclei Smoke Particles for Weather Modification and Apparatus Therefore

3835293  September 10, 1974: Electrical Heating Apparatus [sic] for Generating Super Heated Vapors

3877642  April 15, 1975: Freezing Nucleant

3882393  May 6, 1975: Communications System Utilizing Modulation of the Characteristic Polarization of The Ionosphere

3896993  July 29, 1975: Process for Local Modification of Fog and Clouds for Triggering Their Precipitation and for Hindering the Development of Hail Producing Clouds

3899129  August 12, 1975: Apparatus for generating ice nuclei smoke particles for weather modification

3899144  August 12, 1975: Powder contrail generation

3940059  February 24, 1976: Method for Fog Dispersion

3940060  February 24, 1976: Vortex Ring Generator

3990987  November 9, 1976: Smoke generator

3992628  November 16, 1976: Countermeasure system for laser radiation
Geoengineering Not Chemtrails Investigation Into Humanities 6th Great Extinction

3994437  November 30, 1976: Broadcast dissemination of trace quantities of biologically active chemicals

4042196  August 16, 1977: Method and apparatus for triggering a substantial change in earth characteristics and measuring earth changes

RE29,142  February 22, 1977: Reissue of: 03630950, Combustible compositions for generating aerosols, particularly suitable for cloud modification and weather control and aerosol-ization process

4035726  July 12, 1977: Method of controlling and/or improving high-latitude and other communications or radio wave surveillance systems by partial control of radio wave etc.

4096005  June 20, 1978: Pyrotechnic Cloud Seeding Composition

4129252  December 12, 1978: Method and apparatus for production of seeding materials

4141274  February 27, 1979: Weather modification automatic cartridge dispenser

4167008  September 4, 1979: Fluid bed chaff dispenser

4347284  August 31, 1982: White cover sheet material capable of reflecting ultraviolet rays

4362271  December 7, 1982: Procedure for the artificial modification of atmospheric precipitation as well as compounds with a dimethyl sulfoxide base for use in carrying out said procedure

4402480  September 6, 1983: Atmosphere modification satellite

4412654  November 1, 1983: Laminar micro-jet atomizer and method of aerial spraying of liquids

4415265  November 15, 1983: Method and apparatus for aerosol particle absorption spectroscopy

4470544  September 11, 1984: Method of and Means for weather modification

4475927  October 9, 1984: Bipolar Fog Abatement System

4600147  July 15, 1986: Liquid propane generator for cloud seeding apparatus

4633714  January 6, 1987: Aerosol particle charge and size analyzer

4643355  February 17, 1987: Method and apparatus for modification of climatic conditions

4653690  March 31, 1987: Method of producing cumulus clouds

4684063  August 4, 1987: Particulates generation and removal

4686605  August 11, 1987: Method and apparatus for altering a region in the earth’s atmosphere, ionosphere, and/or magnetosphere
<table>
<thead>
<tr>
<th>Patent Number</th>
<th>Date</th>
<th>Description</th>
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<tr>
<td>4704942</td>
<td>November 10, 1987</td>
<td>Charged aerosol</td>
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<td>4712155</td>
<td>December 8, 1987</td>
<td>Method and apparatus for creating an artificial electron cyclotron heating region of plasma</td>
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<td>4744919</td>
<td>May 17, 1988</td>
<td>Method of dispersing particulate aerosol tracer</td>
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<td>4766725</td>
<td>August 30, 1988</td>
<td>Method of suppressing formation of contrails and solution therefor</td>
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<tr>
<td>4829838</td>
<td>May 16, 1989</td>
<td>Method and apparatus for the measurement of the size of particles entrained in a gas</td>
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<td>4836086</td>
<td>June 6, 1989</td>
<td>Apparatus and method for the mixing and diffusion of warm and cold air for dissolving fog</td>
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<tr>
<td>4873928</td>
<td>October 17, 1989</td>
<td>Nuclear-sized explosions without radiation</td>
</tr>
<tr>
<td>4948257</td>
<td>August 14, 1990</td>
<td>Laser optical measuring device and method for stabilizing fringe pattern spacing</td>
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<tr>
<td>1338343</td>
<td>August 14, 1990</td>
<td>Process and Apparatus for the production of intense artificial Fog</td>
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<tr>
<td>4999637</td>
<td>March 12, 1991</td>
<td>Creation of artificial ionization clouds above the earth</td>
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<td>5003186</td>
<td>March 26, 1991</td>
<td>Stratospheric Welsbach seeding for reduction of global warming</td>
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<td>5005355</td>
<td>April 9, 1991</td>
<td>Method of suppressing formation of contrails and solution therefor</td>
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<td>5038664</td>
<td>August 13, 1991</td>
<td>Method for producing a shell of relativistic particles at an altitude above the earths [sic] surface</td>
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<td>5041760</td>
<td>August 20, 1991</td>
<td>Method and apparatus for generating and utilizing a compound plasma configuration</td>
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<tr>
<td>5041834</td>
<td>August 20, 1991</td>
<td>Artificial ionospheric mirror composed of a plasma layer which can be tilted</td>
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<tr>
<td>5056357</td>
<td>October 15, 1991</td>
<td>Acoustic method for measuring properties of a mobile medium</td>
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<tr>
<td>5059909</td>
<td>October 22, 1991</td>
<td>Determination of particle size and electrical charge</td>
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<tr>
<td>5104069</td>
<td>April 14, 1992</td>
<td>Apparatus and method for ejecting matter from an aircraft</td>
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<tr>
<td>5110502</td>
<td>May 5, 1992</td>
<td>Method of suppressing formation of contrails and solution therefor</td>
</tr>
<tr>
<td>5156802</td>
<td>October 20, 1992</td>
<td>Inspection of fuel particles with acoustics</td>
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<tr>
<td>5174498</td>
<td>December 29, 1992</td>
<td>Cloud Seeding</td>
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<tr>
<td>5148173</td>
<td>September 15, 1992</td>
<td>Millimeter wave screening cloud and method</td>
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5245290  September 14, 1993: Device for determining the size and charge of colloidal particles by measuring electro-acoustic effect
5286979  February 15, 1994: Process for absorbing ultraviolet radiation using dispersed melanin
5296910  March 22, 1994: Method and apparatus for particle analysis
5327222  July 5, 1994: Displacement information detecting apparatus
5357865  October 25, 1994: Method of cloud seeding
5360162  November 1, 1994: Method and composition for precipitation of atmospheric water
5383024  January 17, 1995: Optical wet steam monitor
5425413  June 20, 1995: Method to hinder the formation and to break-up overhead atmospheric inversions, enhance ground level air circulation and improve urban air quality
5434667  July 18, 1995: Characterization of particles by modulated dynamic light scattering
5441200  August 15, 1995: Tropical cyclone disruption
5486900  January 23, 1996: Measuring device for amount of charge of toner and image forming apparatus having the measuring device
5556029  September 17, 1996: Method of hydrometeor dissipation (clouds)
5628455  May 13, 1997: Method and apparatus for modification of supercooled fog
5631414  May 20, 1997: Method and device for remote diagnostics of ocean-atmosphere system state
5639441  June 17, 1997: Methods for fine particle formation
5762298  June 9, 1998: Use of artificial satellites in earth orbits adaptively to modify the effect that solar radiation would otherwise have on earth’s weather
5912396  June 15, 1999: System and method for remediation of selected atmospheric conditions
5922976  July 13, 1999: Method of measuring aerosol particles using automated mobility-classified aerosol detector
5949001  September 7, 1999: Method for aerodynamic particle size analysis
5984239  November 16, 1999: Weather modification by artificial satellite
6025402  February 15, 2000: Chemical composition for effectuating a reduction of visibility obscuration, and a detoxifixation [sic] of fumes and chemical fogs in spaces of fire origin
Appendix II

6030506  February 29, 2000: Preparation of independently generated highly reactive chemical species
6034073  March 7, 2000: Solvent detergent emulsions having antiviral activity
6045089  April 4, 2000: Solar-powered airplane
6056203  May 2, 2000: Method and apparatus for modifying supercooled clouds
6110590  August 29, 2000: Synthetic spun silk nano-fibers and a process for making the same
6263744  July 24, 2001: Automated mobility-classified-aerosol detector
6281972  August 28, 2001: Method and apparatus for measuring particle-size distribution
6315213  November 13, 2001: Method of modifying weather
6382526  May 7, 2002: Process and apparatus for the production of nano-fibers
6408704  June 25, 2002: Aerodynamic particle size analysis method and apparatus
6412416  July 2, 2002: Propellant-based aerosol generation devices and method
6520425  February 18, 2003: Process and apparatus for the production of nanofibers
6539812  April 1, 2003: System for measuring the flow-rate of a gas by means of ultrasound
6553849  April 29, 2003: Electrodynamic particle size analyzer
6569393  May 27, 2003: Method and device for cleaning the atmosphere

An Extensive List of Patents on weather modification 1920 to Oct 5 2012
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