



# CHEMTRAILS EXPOSED

A NEW MANHATTAN PROJECT

by  
Peter A. Kirby

G.E. DARPA  
UN RAYTHEON  
RAND NSF

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## THANKS

My grade school English teacher Raymond Conti, my favorite high school English teacher Elizabeth Cornell, the Marin County Civic Center Free Library, the University of California Northern Regional Library Facility, the University of California at Berkeley, Mauro Oliveria, Michael Murphy, Environmental Voices, Allan Buckmann, Francis Mangles, Arizona Sky Watch, AirCrap.org, GlobalSkyWatch.com, Shepard and Alex at TheIntelliHub.com, Michael at ActivistPost.com, my wife Kate, my sister Jen, my mom Jane, my stepfather Larry, the rest of my family and friends and anybody else who has eyes to see and a brain to understand.

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For there is nothing hidden that will not be disclosed, and nothing concealed that will not be known or brought out into the open.

-Luke 8:17





## INTRODUCTION

There are thousands of specialized jet aircraft routinely spraying the Earth and all its inhabitants with megatons of toxic metals. I know. These are shocking claims. As the Project went on above my head, I as well was for many years unaware of this information. The first time I learned about the chemtrail conspiracy, I did not believe it. Why would anyone destroy the Earth we all have to share in this way? It didn't make sense. I didn't want to believe it.

This Project is unbelievably diabolical. That is how it exists. A good mind has difficulty comprehending something so monumentally evil. Most people are simply uninformed. Many people are misinformed because they listen to the corporate media propagandists. The simple fact that we are constantly breathing in toxins that dull our brains doesn't help. For whatever reason, the information is available, but most people do not and will never come to grips with these facts.

Whether or not the majority of our vaccine, GMO and fluoride-addled American public comes to grips with these facts is largely irrelevant. Irrelevant people will remain so. The important thing is that you are reading this book. The important thing is that you are properly informed. The important thing is that we do something about it.

Are the people executing this Project going to just get away with it? Can people just spray us with whatever they want, whenever they want? What type of precedent does that set? If we are to have a rule of law, this program must be fully exposed. This book is part of that process. Let this book help stop the spraying and contribute to the largest class action lawsuit in history.

Prepare to know the forbidden truth. When we are informed, we are prepared for the enforcement of our Constitution and Bill of Rights. When we are informed, we are prepared for America's true destiny. When we are informed, we are ready to send Humanity to the stars, building giant space stations and colonizing other planets. If we remain uninformed, we will remain shackled; enslaved to the establishment indefinitely. Please continue reading and help set yourself free by learning all about the New Manhattan Project.



# CHAPTER 1

## Chemtrails Exposed

According to all United States federal government organizations, chemtrails do not exist and/or are a conspiracy theory. They say the white lines in the sky stretching from horizon to horizon are normal jet contrails. So, presumably using theoretical physics, these contrails can first appear as small white lines high in the sky then, over the course of hours, expand as they float down to earth; first creating clouds and finally a haze. Because this is exactly what happens.

Contrails (not to be confused with chemtrails) are visible jet airplane engine emissions consisting of water and soot. Most of the time, jet airplane exhausts are invisible. But when normal jet engine exhausts are introduced into an atmosphere of high humidity (over 70%) and low temperature (below -76 degrees F) a contrail forms. Contrails then quickly (usually under 30 seconds) disappear.

Chemtrails are a different animal. Chemtrails are jet airplane emissions which do not quickly dissipate. They are seen in the sky above our heads on a daily basis. They are the lines in the sky. The word 'chemtrail' is an amalgamation of the words 'chemical' and 'contrail.' You could call chemtrails 'chemical contrails' or 'chemical trails.' The earliest mention of the word 'chemtrail' the author could find appears as the title of a 1990 U.S. Air Force Academy chemistry manual. Lab tests of rainwater samples from around the world have proven that Chemtrails consist of chemicals including (in order of prevalence): aluminum, barium and strontium.

The word 'chemtrail' is recognized by the Oxford dictionary. It is defined as, "A visible trail left in the sky by an aircraft and believed by some to consist of chemical or biological agents released as part of a covert operation."

The term 'persistent contrail' is a politically correct oxymoron which this author uses only to condemn. The term creates confusion. Contrails do not persist. Chemtrails do.

### **Oh no they wouldn't!**

Oh yes they would. Dr. Leonard Cole's 1988 book 'Clouds of Secrecy' documents our military intentionally exposing unsuspecting United States

citizens to chemicals and biologicals hundreds of times over the past 60 years. To this day, it is our military's stated position that they have the legal right to spray us with whatever they want whenever they want as long as they classify their activities as 'research.' And as we will see, this is exactly what they have done.

Andrew Goliszek's illuminating book 'In the Name of Science' provides another examination of our government's indiscretions. Going back many decades, this book documents hundreds of pounds of chemical and biological agents ranging from VX nerve gas to zinc cadmium sulfide to bacillus globigii to radioactive iodine having been released onto the unsuspecting public in thousands of open air tests conducted all over America. Many of these experiments involved the agents being released from airplanes.

Governments spray us with toxic chemicals openly. What about the spraying of malathion in the 1980s to save California from the Mediterranean Fruit Fly; or the more recent Light Brown Apple Moth sprayings? In some areas of the country, city works trucks will routinely drive down the street spraying herbicides or pesticides all over the sidewalk and anyone who might be unfortunate enough to be walking down it.

## **Observations**

A typical chemtrail appears as a white line in the sky. These lines become diffuse as they float down to earth. Heavy spraying creates a thick haze over vast areas. Chemtrails often form Xs and sometimes grid patterns. Chemtrails are also sometimes sprayed in a circular fashion. Although seemingly endless amounts of photos and videos are posted online, you can observe these phenomena with your own eyes. One just needs to look up.

Although trolls online try to drag people into highly technical, obscure and deceptive arguments about the formation of contrails, simple applications of deductive reasoning prove that we are being sprayed. When two jet airplanes fly at a similar altitude, why is it that one will emit a persistent trail while the other does not? The fuels are not different. Jet fuel, like gasoline, is standardized. How does a plane fly along emitting a trail that alternately persists and then does not? It is safe to assume that the engine is not being turned off and on. Why is it that one day the sky will be full of lines in every direction and then the next day there will be none, even though the weather

is identical? Why do the lines in the sky usually not follow common flight paths? Your author has witnessed all these things.

When they spray above cloud banks, we get a milky sky. Chemtrails sprayed above clouds descend and commingle with clouds below to cause a loss of cloud definition.

Chemtrail spray causes iridescence. Often, when they spray something called a 'sun dog' occurs. Also referred to as a 22 or 46 degree halo, a sun dog is a big rainbow-like halo encircling the sun. A sun dog's colors are not as bright as a rainbow's. You may also see little rainbow segments called 'sunbows.' Lastly, you may see small, iridescent cumulus clouds. Spraying in general tends to make clouds iridescent; especially around the edges. Chemtrails manifest themselves in many other ways not noted here. These are merely the most common and noticeable.

At the time of this writing, chemtrails are appearing almost every day above San Francisco and San Rafael, CA. Judging by the first wave of reports, chemtrail spraying became nationally prevalent in the mid 1990's. Although chemtrails have been mostly documented in Western countries such as America, Europe and Japan, this is a global operation. The number of chemtrail reports from all around the world has been steadily increasing.

## **Geoengineering**

The most prominent and well documented reason for jet airplanes to be routinely emitting chemical sprays is weather modification. Geoengineers have been publicly proposing just that.

The earliest mention of the term yet found by the author is a 1977 paper by Cesare Marchetti titled 'On Geoengineering and the CO2 Problem.' It appeared in the premiere edition of a publication called 'Climatic Change.'

Geoengineers propose spraying megatons of aluminum into the atmosphere utilizing jet airplanes. They say it can save us from global warming. They don't admit that it is currently happening, they just say it might be good. Many people calling themselves geoengineers have appeared on many television and Internet broadcasts proposing such activities.

Although geoengineering encompasses many schemes such as 'fertilizing' the ocean with lead fillings or building giant terraforming machines to remove atmospheric carbon dioxide, the most famous and most promoted geoengineering scheme is something called Solar Radiation Management (SRM). Solar Radiation Management involves spraying fine particles into the stratosphere from jet airplanes. Amongst us common folk, the term 'geoengineering' has become synonymous with SRM. Proponents of all forms of geoengineering claim these activities will save us from the dreaded global warming.

Climate is synonymous with weather. Because geoengineers are publicly advocating for climate modification, they are publicly advocating for weather modification. Just as climate is synonymous with weather, geoengineering is synonymous with weather modification.

The thesis of this book is that geoengineering, specifically the spraying of stratospheric aerosols, is a current, ongoing operation and that chemtrails are a result of these operations. It's not done to save us all from global warming, though. It is mostly done as part of a global weather modification project. Just as David Keith claims that he doesn't know what a chemtrail is, geoengineers are simply playing word games. The New Manhattan Project exists. Chemtrails are real.

Geoengineering is simply a new name for an old global weather modification project with roots going back to the 1940s and earlier. The history of weather modification, or 'weather control' as the Library of Congress calls it, is the history of geoengineering.

'Cloud seeding,' which has been done openly for a long time, is a pre-cursor to geoengineering. Government agencies officially oversee the industry. There are many companies. They have an industry association. They engage in conventional cloud seeding activities where permitted aircraft dump usually silver iodide on us. But that's old technology. Today geoengineers spray us with completely different materials and we are assaulted by this new Project's electromagnetic energy to boot.

### **The New Manhattan Project**

Have you heard of the original Manhattan Project? It was the gigantic, super-

secret government research and development project which produced the atomic bombs dropped on Japan in 1945. It was a massive undertaking all kept secret through compartmentation. To date, the Manhattan Project and the Apollo moon missions are America's greatest admitted national scientific efforts.

In 1961, distinguished Rear Admiral Luis DeFlorez advocated that the US government should, "Start now to make control of weather equal in scope to the Manhattan District Project which produced the first A-bomb."

Over the years many weather modifiers have compared weather control to the power of atomic bombs. Weather modification pioneering G.E. scientist Irving Langmuir often mused about it. The 'Father of the Hydrogen Bomb,' a.k.a. 'Dr. Strangelove' Edward Teller suggested using atomic bombs detonated in the sky as a means to modify the weather many times. In 1958, high altitude atmospheric detonations of nuclear bombs were actually carried out in Operations Argus, Newsreel (as part of Operation Hardtack) and Starfish.

The scientific era of weather modification began only one year after the detonation of the first atomic bombs (see chapter 2). Five years later in 1951, scientists who brought us this initial foray into weather control were testifying before Congress, enumerating the similarities between weather modification and atomic bombs. During 1951 testimony before the United States Senate, C. G. Suits, the director of research at General Electric Laboratories said, "It is a fact that has been repeatedly demonstrated that under suitable circumstances one may with 1 pound of dry ice cause a thundercloud to precipitate a heavy rainstorm. In a typical case the energy of condensation which has been released is equivalent in magnitude to the energy of several atomic bombs. There are so many points of similarity between the release of atomic energy and the release of weather energy that it is well to consider them in detail. The similarities are - and I quote from a letter I wrote to you, Senator Anderson, dated November 22, 1950: 1. Large amounts of energy are involved. The energy release (in the form of heat or condensation) in a small thunderstorm equals the energy of several atomic bombs. 2. A chain reaction is an important basic mechanism in many meteorological phenomena and in atomic reactions. This permits a small initiating force to generate large-scale effects. 3. The national defense and

the economic possibilities are vital aspects of both problems. 4. Both problems transcend State and National boundaries in their influence and importance, and ultimately will involve international agreements. 5. Extensive research is required to fully develop the economic and military applications of both forms of energy."

Edward Teller along with Ross Gunn, Donald Hornig, Vannevar Bush and John von Neumann are some famous scientists who worked on the original Manhattan Project and then later contributed to the atmospheric sciences.

Geoengineers themselves are calling this National effort in weather modification a new Manhattan Project. In late 2009 and early 2010, Congress heard detailed testimony from top geoengineers. They called the hearings 'Geoengineering: Parts I, II, and III.' These geoengineering hearings referenced the Manhattan Project three times. Geoengineer Philip Rasch, in written testimony, provided the best example:

"In my opinion before a nation (or the world) ever decided to deploy a full scale geoengineering project to try to compensate for warming by greenhouse gases it would require an enormous activity, equivalent to that presently occurring within the modeling and assessment activities associated with the Intergovernmental Panel on Climate Change (IPCC) activity, or a Manhattan Project, or both. It would involve hundreds or thousands of scientists and engineers and require the involvement of politicians, ethicists, social scientists, and possibly the military. These issues are outside of my area of expertise. Early 'back of the envelope' calculations estimated costs of a few billion dollars per year for full deployment of a stratospheric aerosol strategy (see for example, Crutzen, (2006) or Robock et al (2009b))."

This New Manhattan Project uses chemtrails to electrify our atmosphere. You see, not only does the New Manhattan Project involve airplanes spraying aerosols. Once these aerosols have saturated the lower atmosphere, they are hit with electromagnetic energy from ground based antennas known as 'ionospheric heaters.' In this fashion, the sprayed aerosols are manipulated in order to accomplish weather modification. This is a distinguishing feature of the New Manhattan Project.

## **Documentation**

The Western world's most highly powered groups have been involved in research of the atmospheric sciences and weather modification since early on. The United Nations, the Defense Advanced Research Projects Agency, Stanford Research International, the Rand Corporation, National laboratories, the National Science Foundation, the National Oceanic and Atmospheric Administration, the National Aeronautics and Space Administration, the Naval Research Laboratory, General Electric, Raytheon, the American Meteorological Association, the Massachusetts Institute of Technology and many more have contributed greatly.

There are hundreds (probably thousands) of applicable patents and government reports going back over 100 years. There are thousands of papers; many from some of the biggest names in science. Nobel Prize for chemistry winner Irving Langmuir devoted much of his later work to weather modification. The afore mentioned Edward Teller is widely recognized for his work in the field. Nobel Prize winning atmospheric chemist Paul Crutzen has made many significant contributions. United States Science Czar John Holdren, University of Calgary professor David Keith and Stanford University professor and Carnegie Institution member Ken Caldeira are currently the most prominent proponents. David Keith and Edward Teller have both publicly espoused the virtues of spraying megatons of aluminum into the atmosphere.

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Beginning in 1957 as a senator, then later as president, Lyndon B. Johnson spoke in favor of global weather control many times. In 1958 he stated, "The testimony of the scientists is this: Control of space means control of the world, far more certainly, far more totally than any control that has ever or could ever be achieved by weapons, or by troops of occupation. From space, the masters of infinity would have the power to control the earth's weather, to cause draught and flood, to change the tides and raise the levels of the sea, to divert the Gulf Stream and change temperate climates to frigid... If, out in space, there is the ultimate position - from which total control of the earth may be exercised - then our national goal and the goal of all free men must be to win and hold that position."

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On September 25, 1961 President John F. Kennedy addressed the United Nations proposing a global system of 'weather control.' He said, "We shall propose further cooperative efforts between all the nations in weather prediction and eventually in weather control."

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In his paper 'How to Wreck the Environment,' LBJ's Presidential science advisor Dr. Gordon J.F. MacDonald wrote of man controlling weather. As a chapter in the book 'Unless Peace Comes,' MacDonald writes, "No matter how deeply disturbing the thought of using the environment to manipulate behavior for national advantage is to some, the technology permitting such use will very probably develop within the next few decades." He continues, "Operations producing such conditions might be carried out covertly, since nature's great irregularity permits storms, floods, draughts, earthquakes and tidal waves to be viewed as unusual but not unexpected. Such a 'secret war' need never be declared or even known by the affected populations. It could go on for years with only the security forces involved being aware of it. The years of draught and storm would be attributed to unkindly nature, and only after a nation was thoroughly drained would an armed takeover be attempted."

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During House weather modification hearings in 1977, geoengineer Harlan Cleveland said, "The review here is an informal general theory of what kind of changes can be wrought in the atmospheric environment by what the experts call brute force, by seeding of various kinds in different circumstances - at the moment with chemical agents, perhaps in the future with forms of electromagnetic energy - and by altering the lower layers of the atmosphere."

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Harlan Cleveland was the chairman of a Government group called the Weather Modification Advisory Board. The Weather Modification Advisory Board submitted a paper to these proceedings titled 'A U.S. Policy to Enhance the Atmospheric Environment.' In this paper they write that Earth's atmosphere may be manipulated by, "Introducing perturbation energies to

redirect the atmosphere's 'natural' energies. The seeding of different clouds in different ways, with chemical agents (and perhaps, in the future, with some form of electromagnetic energy),..."

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United States patent #4,686,605 'Method and Apparatus for Altering a Region in the Earth's Atmosphere, Ionosphere and/or Magnetosphere' (1987) describes how electromagnetic energy and dispersed particles can be used to modify the weather. See chapter 3 for a detailed discussion.

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In 1991, U.S. patent #5,003,186 'Stratospheric Welsbach Seeding for Reduction of Global Warming' talks about the dispersion of aluminum oxide as a way to modify the weather. For more, see chapter 2.

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The 1996 U.S. Air Force research paper 'Weather as a Force Multiplier: Owning the Weather in 2025' explains how spraying stuff into the atmosphere with airplanes while utilizing ground and space based electromagnetic weaponry for the purpose of weather modification is good and how our military might go about doing this. See chapter 2 for further discussion.

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In the mid-nineties, Lawrence Livermore National Laboratories scientists Edward Teller, Lowell Wood and Roderick Hyde wrote multiple papers calling for small aluminum particles to be 'injected' into our atmosphere in order to 'scatter' sunlight. They say this will save us from global warming. Aluminum is the number one chemtrail ingredient. For further discussion, see chapter 2.

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On April 28, 1997 at the University of Georgia, U.S. Secretary of Defense William S. Cohen said, "Others are engaging even in an eco-type of terrorism whereby they can alter the climate, set off earthquakes, volcanoes remotely

through the use of electromagnetic waves... So there are plenty of ingenious minds out there that are at work finding ways in which they can wreak terror upon other nations. It's real, and that's the reason why we have to intensify our efforts, and that's why this is so important."

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The United Nations backed Intergovernmental Panel on Climate Change (IPCC) issued a 1999 report with a cover photo of three jet planes flying in formation and emitting trails entitled 'Aviation and the Global Atmosphere.' This report contained chapters titled, "Aviation-Produced Aerosols and Cloudiness" and "Modeling the Chemical Composition of the Future Atmosphere."

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The National Aeronautics and Space Administration (NASA) released a document in 2007 titled 'Workshop Report on Managing Solar Radiation.' This document advocates SRM and states 'Alternatives to dielectrics have been suggested, such as metallic or resonant particles (see, for example, Teller, 1997). Metals interact with electromagnetic radiation strongly and might conceivably require much less particle mass than would non-conducting (dielectric) particles.'

A little later, it concludes "Several options exist or are conceivable for deploying the radiation reflecting materials into the stratosphere. These include naval artillery, high-altitude transport aircraft, and unpiloted vehicles."

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The Council on Foreign Relations has issued many publications about geoengineering. Their 2008 paper entitled 'Unilateral Geoengineering: Non-technical Briefing Notes for a Workshop at the Council on Foreign Relations' proposes spraying aluminum oxide dust into the stratosphere. Again, aluminum has been found to be the number one chemtrail ingredient.

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The U.K. Royal Society published a 2009 report titled 'Geoengineering the Climate: Science, Governance and Uncertainty' in which they propose geoengineering and state, "A wide range of types of particles could be released into the stratosphere with the objective of scattering sunlight back to space."

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During a 2009 presentation, referencing a picture of a chemtrail laden sky, European Organization for Nuclear Research (CERN) scientist Jasper Kirkby PhD said, "These are not smoke trails. These are clouds which are seeded by jets dumping aerosols into the upper atmosphere." May we get a further clarification of that Dr. Kirkby, or have you said too much already?

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During 2009 and 2010's afore mentioned Congressional geoengineering hearings, testifying geoengineers proposed spraying substances from aircraft many, many times. Most testifying geoengineers characterized the practice as a cheap and effective way to mitigate global warming. Geoengineer Lee Lane writes the best example:

"Several proposed delivery techniques may be feasible (NAS, 1992). The choice of the delivery system may depend on the intended purpose of the SRM [solar radiation management] program. In one concept, SRM could be deployed primarily to cool the Arctic. With an Arctic deployment, large cargo planes or aerial tankers would be an adequate delivery system (Caldeira and Wood, pers. comm., 2009). A global system would require particles to be injected at higher altitudes. Fighter aircraft, or planes resembling them, seem like plausible candidates. Another option entails combining fighter aircraft and aerial tankers, and some thought has been given to balloons (Robock et al., 2009)."

They describe a program using retrofitted drone aircraft to spray particulates. In his response to a follow-up question by Chairman Bart Gordon, geoengineer Alan Robock writes, "Certainly studies should be done of the feasibility of retrofitting existing U.S. Air Force planes to inject sulfur

gases into the stratosphere, as described by Robock et al. [2009], as well as of developing new vehicles, probably remotely-piloted, for routine delivery of sulfur gases or production of aerosol particles."

During these Congressional hearings, the 'c' word was used twice. Former congressman Brian Baird (D - WA 3rd district) said the word first, "And so I applaud you all for suggesting that we are not going to have this— to rescue us by, you know, chemtrails or whatever people want to distribute into the air."

Chairman Baird used the word again when he jumped right into the conspiracies and said this:

"I will share with you, though, this idea of placing particles in the upper atmosphere. Are any of you familiar with the conspiracy theory known as chemtrails? Have you heard of this? It is a rather interesting phenomenon. I was at a town hall and a person opined that the shape of contrails was looking different than it used to, and why was that? I gave my best understanding of atmospheric temperature and humidity and whatnot, but the theory which is apparently pretty prevalent on the Net is that the government is putting psychotropic drugs of some sort into the jet fuel and that is causing a difference in appearance of jet fuel and allowing them to secretly disseminate these foreign substances through the atmosphere via our commercial jet airline fleet."

This next excerpt is from the hearing's charter:

"...negative public perceptions of geoengineering may also prove to be a powerful catalyst for emissions reductions. A study by the British Market Research Bureau found that while participants were cautious or hostile toward geoengineering, several agreed that they would actually be more motivated to undertake mitigation actions themselves after a large-scale geoengineering application was suggested."

They are saying that the suggestion of geoengineering may encourage people to voluntarily adopt carbon mitigation efforts. They're saying that geoengineering can be used as a threat to intimidate the public into accepting a lower quality of life. Who are the real terrorists?

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The British House of Commons collaborated with the United States House of Representatives Science and Technology Committee to release a report on March 10, 2010 entitled 'The Regulation of Geoengineering' in which they advocate geoengineering regulation.

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Aurora Flight Sciences published a 2010 cost analysis study prepared under contract to the University of Calgary entitled 'Geoengineering Cost Analysis' which states, "The goal of this study is to use engineering design and cost analysis to determine the feasibility and cost of a delivering material to the stratosphere for solar radiation management (SRM)." [sic] In this report, the authors write about utilizing different kinds of aircraft, including blimps, to spray stuff into the atmosphere. Of readily available solutions, it was found that retrofitting old jumbo jet airplanes would be the most cost effective choice.

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In the 2010 feature documentary 'What in the World Are They Spraying?,' top geoengineer David Keith says, "...on the environmental consequences of alumina in the stratosphere. There's a bunch of papers going back to the seventies that look at the radiative and ozone destroying properties of alumina in the stratosphere and those make you think it might be useful. Do this in just a jet in a very simple way. Make high quality alumina particles just by spraying alumina vapor out which oxidizes. So it's certainly in principle possible to do that." As we all remember, aluminum has been proven to be the number one chemtrail ingredient.

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In October of 2010, the United States House of Representatives Science and Technology Committee issued a report called 'Engineering the Climate: Research Needs and Strategies for International Coordination.' On the final page, this report advocates, "It is the opinion of the Chair, in agreement with

U.K. Committee, that further collaborative work between national legislatures on topics with international reach, such as climate engineering, should be pursued. The Chair also agrees that there are a range of measures that could be taken to streamline the process and enhance the effectiveness of collaboration."

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In a 2011 report, the Congressional Research Service produced a paper called 'Geoengineering: Governance and Technology Policy' in which the authors suggest an 'aerosol injection,' or the dispersal of aerosols into the atmosphere by military aircraft.

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The United Nations Educational Scientific and Cultural Organization (UNESCO) issued a report in November of 2011 titled 'Geoengineering the Climate: Research Questions and Policy Implications.' It proposes geoengineering and features a full color illustration of a jumbo jet spraying stratospheric aerosols (chemtrails).

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Another very boring read proposing the injection of stratospheric aerosols arose from a 2011 meeting of geoengineers in Lima, Peru. A report called 'IPCC Expert Meeting on Geoengineering' was produced by the UN's Intergovernmental Panel on Climate Change (IPCC) and the World Meteorological Organization.

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There is so much other documentation regarding stratospheric aerosols, geoengineering and the regulation thereof from so many different high-powered organizations, that it is far too much to mention here. If one names all of the most prestigious American and European university science programs, and applicable scientific organizations and publications, then one is barking up the right tree. Only the most well known and pertinent examples are presented here.

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Local professional news reporters around the nation have investigated and/or made mention of the phenomenon many times. A plethora of professional newspaper, magazine and Internet based reports about geoengineering and chemtrails have been published.

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Ted Gunderson (1928-2011), the former head of the Los Angeles, Dallas and Memphis FBI claims to have witnessed huge, unmarked chemtrail spraying planes on the ground at the Lincoln, Nebraska Air National Guard facilities. He also said that chemtrail spraying planes operate out of Fort Sill, Oklahoma.

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U.S. congressman Dennis Kucinich used the word 'chemtrails' in proposed national legislation. The word appeared in the 'Space Preservation Act of 2001.' The National legislation did not pass, but on September 10, 2002 the City Council of Berkeley, California, in support of Congressman Kucinich's Space Preservation Act, enacted Resolution #61744 declaring the space 60 kilometers and above Berkeley as a space-based weapons free zone. On September 14th, Congressman Kucinich was officially presented the resolution by Council member Dona Spring, who initiated the resolution before 700 people in Wheeler Auditorium. The audience gave Kucinich and Spring a standing ovation.

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In 2007, Dutch parliamentarian Erik Meijer raised the issue with the European Parliament. The European Parliament of course responded that contrails persist and chemtrails do not exist.

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There has been formal discussion of chemtrails in the New Zealand



Parliament.

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Former Canadian Prime Minister (1986-1991) Bill Vander Zalm has spoken out against chemtrails.

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Multi-term Arizona state senator Karen Johnson has been an outspoken critic.

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A former member of the United States Air Force has testified to the fact that strange materials were being brought on base presumably for the replenishment of chemtrail spraying airplanes. Kristen Meghan's job at Tinker Air Force Base, Oklahoma was to monitor all materials coming in and going out. She says that anomalous containers coming on base contained the main chemtrail ingredients; aluminum, barium and strontium. Tinker AFB is what is known as an 'air logistics center.' The only other air logistics center in America is Robins AFB, Georgia.

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In October of 2013, a Canadian MP by the name of Alex Atamanenko presented to the Canadian parliament a petition signed by over 1,000 people outlining concerns about chemtrails.

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On June 25, 2014 the Arizona Department of Environmental Quality held a public hearing about geoengineering and chemtrails. The meeting was sponsored by State senator Kelli Ward.

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At an August 5, 2014 meeting of the Shasta County, CA board of supervisors, chemtrails were on the agenda. 300 people attended. Dozens testified. The

supervisors voted to open an investigation into chemtrails and geoengineering and to send their findings to appropriate government agencies.

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Marin County Board of Supervisors, District 1 Representative Susan Adams has voiced interest in chemtrail legislation, stating, "I will continue to monitor your efforts and if there is federal legislation or regulation being considered which the county can send a letter of support for, please let me know."

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Third Senatorial District California State Senator Mark Leno recognizes chemtrails. He responded to my letter about chemtrails by stating, "Thank you for writing to share the information on chemtrails. I appreciate your taking the time to voice your concerns regarding this important issue. As we begin to learn more about chemtrails and begin to have more in depth conversations about their use, I will keep the information you have forwarded in mind."

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There is a global grass roots political movement against chemtrails. There are hundreds of thousands (possibly millions) of independent eyewitness accounts on the Internet. Millions of people are already fully chemtrail aware. People from all walks of life around the world have come forward and spoken out against chemtrails. There is documentation of airline pilots, police officers, U.S. Marines, air traffic controllers, a senior Air Traffic Control manager, Air Force tanker crews, scientists and more speaking up.

### **Eyewitness accounts**

This section is comprised of excerpts from the 2004 book 'Chemtrails Confirmed' by William Thomas (Bridger House Publishers / ISBN 1-893157-10-5). William Thomas is an award winning Canadian journalist. Thomas' writing and photography have appeared in more than 50 publications in eight countries, including translations into French, Dutch and Japanese. His editorial commentaries have appeared in The Globe and Mail, The Toronto

Star, The Vancouver Sun and Times-Colonist newspapers. A frequent radio talk-show guest, William Thomas has also appeared on the CBC and New Zealand's national television. He currently lives and works among the Gulf Islands of British Columbia.

It was nearly noon when S.T. Brendt awoke and entered the kitchen of her country home in Parsonfield, Maine. As she poured her first cup of coffee, the late night reporter for WMWV radio could not guess that her life was minutes away from drastic change.

Her partner Lou Aubuchont was already up, puzzling over what he had seen in the sky a half hour before. The fat puffy plumes arching up over the horizon were unlike any contrail he had ever seen, even during his hitch in the Navy.

Lou got up and looked. What kind of clouds run exactly side-by-side in a straight line? He wondered. It's just too perfect to happen naturally. When he said he wasn't sure, S.T. stopped smiling and went outside.

Looking up towards the southeast over West Pond, she spotted the first jet. A second jet was laying billowing white banners to the north. Both aircraft appeared to be over 30,000 ft. Turning her gaze due west, Brendt saw two more lines extending over the horizon. She called Lou. Within 45 minutes the couple counted 30 jets.

This isn't right, S.T. thought. We just don't have that kind of air traffic here. While Lou kept counting, she went inside and started calling airports. One official she reached was guarded but friendly. He had relatives in West Pond.

The Air Traffic Control manager told Brendt her sighting was 'unusual.' His radars showed nine commercial jets during the same 45-minute span. From her location, he said, she should have been able to see one plane.

And the other 29? The FAA official confided off the record that he had been ordered 'by higher civil authority' to re-route inbound European airliners away from a 'military exercise' in the area. "Of course they wouldn't give me any of the particulars and I don't ask," he explained. "I just do my job."

Excited and puzzled by this information, S.T. and Lou got into their car and headed down Route 160. Looking in any direction they could see 5 or 6 jets flying over 30,000 ft. Never in the dozen years they'd lived in rural Maine, had they seen so much aerial activity. As a former U.S. Navy intelligence courier, Aubuchont was used to large-scale military exercises. But he told S.T. he had never seen anything this big.

"It looked like an invasion," he later recounted. Another driver almost went off the road as he leaned over his dashboard trying to look up. As they passed, he acknowledged them with a nod.

As far as they could see stretched line after line. Two giant grids were especially blatant. In stead of dissipating like normal contrails, these sky trails grew wider and wider and began to merge. Looking towards the sun, Aubuchont saw what looked like 'an oil and water mixture' reflecting a prismatic band of colors.

At approx. 3:55 they headed home to Parsonfield. They (the jets) were still up there. What's worse is that these grids were now merging to the point of greying their beautiful skies... By 5:30 their beautiful day had turned dingy and hazy like air pollution and the sunset was dirty. Lou remembers seeing the last jets at about 5:15 pm leaving chemtrails. They were spaced further apart then the earlier jets.

Richard Dean called back. After receiving S.T.'s message, the assistant WMWV news director had gone outside with other news staff and counted 370 lines in skies usually devoid of aerial activity. The most jets they could see at any one time was 17.

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Dave Dickie's World Landscapes company performs contract landscape work for the City of Edmonton. "Some contracts require us to utilize the services of environmental labs for soil tests," says Dickie. "Recent soils analysis have come back with a high EC rating 4:1 (toxic) and we've had some soil sources rejected of course they did not meet specifications."

In an interview with me on Nov. 23, 2002, Dickie explained that city landscape crews were finding widespread nutrient deficiency soils could cause severe problems for plant life - including trees.

"Wait," I interrupted. "Aluminum sucks nutrients from the soil."

"No question" answered this soil expert. Moreover, added Dickie when measuring the electrical conductivity in Edmonton soil sample, "city specifications call for a reading no higher than 1."

Dickie's crews are now finding readings from 4.6 as high as 7.

The 'chlorosis' condition resulting from this drastically high electrical conductivity in soil was impacting their landscaping business, Dickie explained. "We were not able to determine the cause of the EC [electrical conductivity], and many reasons are possible."

Presuming that unusual metal content in the soil could be causing the high readings, Dickie obtained samples of a fresh snowfall in sterile containers and took them to NorWest Labs in Edmonton. As explained, "Our most recent snowfall was tested for aluminum and barium and we were not surprised with the results. You've said it all and this just substantiates some of your claims."

In Nov. 2002, lab tests of snow samples collected by the city of Edmonton, Alberta between Nov. 8 - 12, confirmed elevated levels of aluminum and barium. NorWest Labs lab report #336566 dated Nov. 14, 2002 found: aluminum levels at 0.148F milligrams/litre and barium levels of 0.006 milligrams/litre.

Because aluminum is ubiquitous in the environment, and its chemistry depends on soil pH and mineralogical composition, it is difficult to provide generalized estimates of natural background concentrations.

But according to Dickie, the NorWest Lab techs told him, "That's interesting. Elevated levels of aluminum and barium are not usually found in Alberta precipitation."

"It may not prove that the aluminum came from atmospheric programs," Dickie admits. "However we are going to sample precipitation from various areas within a 40 mile radius of the City of Edmonton to determine aluminum/barium within precipitation."

Dickie says it's simple to test for aluminum and barium in soil samples. Labs typically charge about \$15 for these tests. I suggested he add quartz to the list of chemtrail fallout components to check for. In Espanola, quartz predominated rainfall samples, which also showed hazardous levels of aluminum.

Though it must be emphasized that neither Dickie nor NorWest Labs are making any claims regarding these early test results, the correlation of known chemtrail chemistry with Edmonton's soil samples is compelling.

This was hot. But imagine my shock when Dickie told me that he regularly visits Air Traffic Control at the Edmonton municipal airport and watches the chemplanes making repeated passes over the city!

"I've been a plane spotter all my life," Dickie explained. Blessed with good friends at work in the tower, he has watched radar-identified KC-135s 'on many occasions.'

Last Father's Day (2002), Dickie and an excited group of 12 year-olds watched two sorties by two KC-135s. Petro 011 and Petro 012 were tracked by radar as HA (High Altitude) targets flying at 34,000 and 36,000 feet - 'one to the south, and one to the north of the city.'

Both USAF tankers had flown south out of Alaska. As Dickie, the kids and the controllers watched, the big jets began making patterns over Edmonton - 'circuits' the controllers called it. The Stratotankers were working alone in 'commanded airspace' from which all other aircraft were excluded.

And they were leaving chemtrails.

"The signature is significant," commented one radar operator, referring to a trail clearly visible on the scope extending for miles behind the KC-135. In

contrast, a JAL flight on the display left no contrail.

Going outside, Dickie and several controllers scanned clear blue skies. They easily located the KC-135 leaving its characteristic white-plume 'signature.' Visibility was outstanding. They also clearly saw the JAL airliner at a similar flight level. It left no contrail at all.

On other occasions, Dickie has watched KC-135s on Edmonton radar leaving lingering trails as low as 18,000 feet.

"We see these guys up here a lot," Dickie says radar techs told him. The tanker flights originate in Alaska, grid the Edmonton area, and continue on into the States.

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The following unedited transcript is a recorded message from a Dec. 8, 2000 call by a Canadian aviation authority from the Victoria International Airport to a local resident.

Stewart was responding to a call the previous day demanding to know why intense aerial activity had left lingering X's, circles and grid-like plumes over the British Columbia capitol on Dec. 6 and 7.

"Mark, it's Terry Stewart, Victoria Airport Authority. Just calling you back from your comment. From what I gather, it's a military exercise; U.S. and Canadian air force exercise that's goin' on. They wouldn't give me any specifics on it. Hope that helps your interest. Very odd. Thanks a lot. Bye bye now."

All this and much, much more can be found in William Thomas' groundbreaking book 'Chemtrails Confirmed' available at his website [willthomasonline.net](http://willthomasonline.net). Click on the 'bookstore' tab and you will be taken to a page where you can order a copy of 'Chemtrails Confirmed,' download an electronic copy of 'Chemtrails Confirmed' or order the 'Chemtrails Confirmed' companion DVD which contains a copy of William's documentary video 'Mystery Lines in the Sky'. You can find all this and more at [WillThomasOnline.net](http://WillThomasOnline.net).

## **Scientific Evidence**

Hundreds of independent lab test results from around the world too numerous to mention here (the Internet is littered with them) have formed a consensus. The main ingredients in the most common chemtrails are aluminum, barium and strontium. Professional scientists have corroborated these findings.

Francis Mangels has a Bachelor of Science in Forestry from the International School of Forestry at Missoula, spent 35 years with the U.S. Forest Service as a wildlife biologist and worked several years with the USDA Soil Conservation Service as a soil conservationist. Today he lives in Mt. Shasta, CA and works as a master gardener.

He took a sample of water from his backyard rain gauge on Feb. 1, 2009 and submitted it to Basic Laboratory of Redding, CA on Feb. 2, 2009. This sample showed aluminum at a level of 1010 micrograms per liter (ug/l). This same sample also showed barium at a level of 8 ug/l. Using the same sample method and laboratory, he took a sample on Oct. 14, 2009 which showed aluminum at a level of 611 ug/l. The barium should not be there in any amount. Chemtrails have been known to consist of both barium carbonate and barium oxide. Barium carbonate is used in rat poison. The normal level of aluminum in rainwater is .5 ug/l. These samples show levels of aluminum at 2020 times and 1222 times the normal levels. There is no heavy industry in the Mt. Shasta area. There is no reason, other than chemtrails, for this stuff to be showing up at these levels.

Mr. Mangels writes on Oct. 30, 2009:

The soil scientists from the USDA Soil Conservation Department visited private property east of Shasta Lake, California, on Oct. 27, 2009. Mr. Bailey, Komar, and Owens tested the pH with standard federal meters. All agreed the pH should be 5.5.

Under Douglas fir, the ph was 7.4, astoundingly basic for that habitat.

Under Poderosa pine, at the precise soil-needle interface, I would expect a pH of 5. At that point, Bailey's meter showed 6.5. This is high for a



microhabitat that should be very acid. Old soil surveys indicate this soil should be very acid, around pH of 5.5.

I bought a house in Mt. Shasta old black oak/pine pasture in 2002, tested the pH at below 6, good for vegetable gardening. It was a major reason for purchase, and proceeded with highly acid composting of leaves and grass to drive the pH down or at least keep it low, as every master gardener knows. I added a touch of sulphur and avoided wood ash to insure acidity, and proceeded to teach organic gardening courses out of my yard through COS. The pH tests were an embarrassment because now my garden is pH 7, sometimes higher. This is the opposite of what should happen.

The pH meter of Jon McClellan proceeded to show pH in McCloud gardens also running close to 7 or 8, which is too high for heavy organic mulch with no ashes. General lawns were also running over pH 7 under oaks and pines and fir trees. This is contrary to everything I learned in college and the Soil Conservation Service for 35 years. The old data sheets say these soils should be running at a pH of 5-6.

I tested my rainwater in a plastic NWS rain gauge set high on a pole, and got 1010 ug/l aluminum, with substantial amounts of barium and strontium included, where it should be non-detectable. Others from the West Coast have similar repeated results, from the Bay Area to Washington.

### **The Arizona Department of Environmental Quality**

The Arizona Department of Environmental Quality (ADEQ) produced data showing elevated levels of barium in surface water between 1988-2004. Along with other elevated readings, a sample from the East Verde River near Payson, AZ taken on July 19, 1999 showed barium at a level of 340 micrograms per liter (ug/l). The EPA says the average surface water concentration of barium is 43 ug/l.

The ADEQ analyzed many water samples taken at different times from the Nogales Wash Channel between 1993 and 2002. Among other elevated readings, they found barium at levels of: 850 ug/l, 950 ug/l and 900 ug/l. The EPA says that 99.4% of surface water contains 2 to 340 ug/l barium.

The ADEQ analyzed many water samples taken at different times between

1988-2004 at the Verde River Below Horseshoe Dam. Among many other elevated readings, a sample taken on July 19, 1990 showed barium at a level 560 ug/l and another sample taken within a year showed barium at a level of 700 ug/l.

In June of 1996, the ADEQ analyzed water samples taken from the Buckeye Canal. The lab report showed barium at a level of 570 parts per million.

In July of 1999, the ADEQ sampled water from the Little Colorado River Basin and found aluminum at 150,000 ug/l or 150 mg/l or .15 g/l. This reading is made even more interesting by the fact that in September of 2002 AND in March of 2005, the ADEQ tested the same river basin and found NO aluminum. What accounted for this giant aluminum spike?

### **The California Department of Public Health Drinking Water Program data**

As far as water contamination is concerned, a lot of available data which is presented as supporting the chemtrail hypothesis is misleading and unreliable. The data to which I am referring is that which comes from the California Department of Public Health Drinking Water Program (CDPHDWP). This organization is also referred to as the California Department of Health Sciences Drinking Water Program.

The CDPHDWP produces and distributes publicly a data CD entitled 'California Drinking Water Data.' This CD purports to represent toxicology data collected from all California water districts. The problem is that, after checking with local water districts and the CDPHDWP, it is apparent that the data contained in this CD is unreliable. My sources tell me that this is because the CDPHDWP is using an outdated data collection method.

Furthermore, websites which use this data as support for the chemtrail hypothesis miss the point that the data CD in question represents (and poorly so) processed drinking water when we should be looking at unprocessed or 'surface water' (the water found in reservoirs).

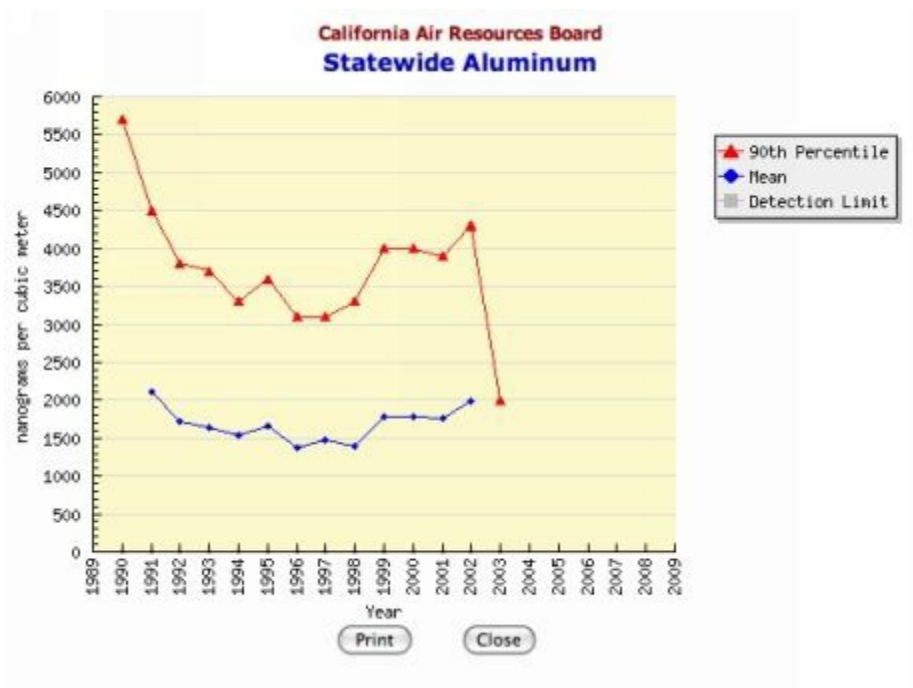
Online you may find many graphs based on data contained in the CDPHDWP data CD showing incredible levels of many different toxins. All these graphs

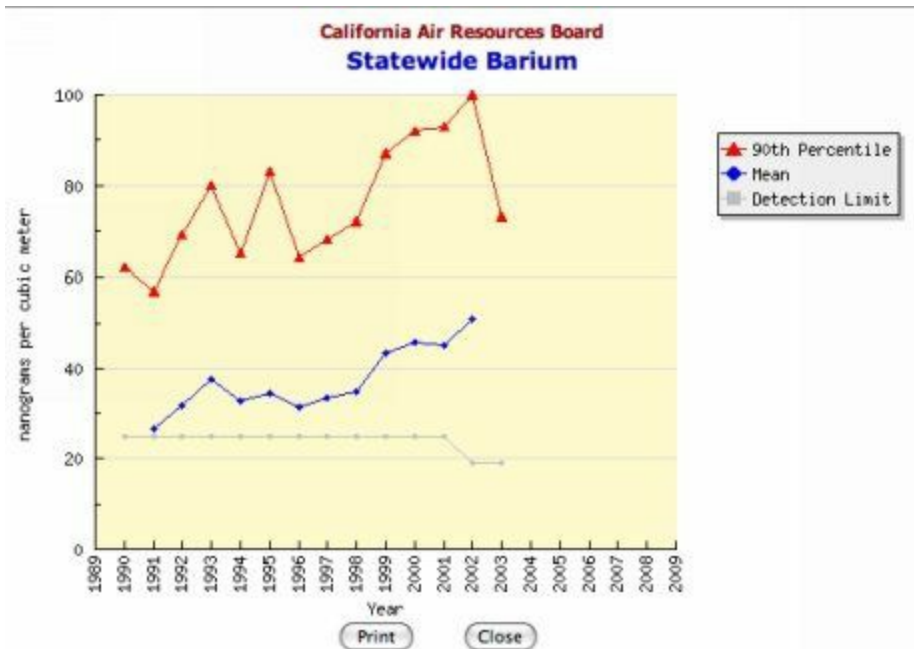
are not to be trusted without a local water department confirmation and even in that case, the data is not pertinent.

### The California Air Resources Board

The mission statement of the California Air Resources Board (CARB) is, "To promote and protect public health, welfare and ecological resources through the effective and efficient reduction of air pollutants while recognizing and considering the effects on the economy of the state." This organization is not serving its purpose.

Data produced by the CARB shows elevated levels of chemtrail toxins. Between 1990 and 2002, CARB ambient air statewide average data shows elevated and increasing levels of aluminum and barium. From 1990 to 2002, aluminum was detected in the range of 1500 to 2000 nanograms per cubic meter. Barium, which between 1990 and 2002 consistently trended upwards, reached a peak of 50.8 nanograms per cubic meter in 2002.





images source: the California Air Resources Board

The CARB classifies aluminum and barium as toxic compounds. The CARB website says, "For toxics compounds, there is generally no threshold concentration below which the air is healthy. For toxics compounds, the greater the quantified health risk, the more unhealthy the air is." In other words, any aluminum or barium is unhealthy. There are no safe levels except zero. Remember, these are statewide averages. God forbid you might be living in an area that increased the average.

You may ask why we are only referencing data up to 2002. This is 2015. Where is the missing data? The answer is that data from between 1990 and 2002 is the only data which the CARB has widely distributed. As far as statewide averages for ambient aluminum and barium are concerned, these years are the only years which their website and their 'California Ambient Air Quality Data' DVD show. Their Public Information Officer Dimitri Stanich curiously refused to answer questions about the missing data. He referred me to documents which did not address the issue.

After discussions with staff, Mike Miguel, the chief of the Quality Management Branch of the Monitoring and Laboratory Division, wrote me an email dated Aug. 22, 2011 stating, "It is my understanding that the toxics air monitoring network (samples collected in Summa canisters) stopped analyzing for these

compounds due to the low concentrations. However, the PM2.5 network does analyze for these compounds and that data was provided in the analyses and CD." [sic]

A statewide average of barium at 50.8 nanograms per cubic meter and aluminum at 2000 are low concentrations? Any levels of detectable aluminum or barium have been classified as unhealthy. The concentrations were trending upwards. They stopped analyzing for these compounds? This author has scoured their website, written letters and made many phone calls to the CARB and has not heard of or seen this missing data presented in any CD.

Thankfully, other people have been asking for this missing data as well. The organization known as Environmental Voices requested the missing data and on September 15, 2010, they got it.

Amazingly, after data showing many years of elevated and increasing levels of aluminum and barium, this newly produced data showed much lower levels. That's good news, right? We want to believe that everything is as it has always been. The problem is that the newly released data contradicts the previously released data.

Let us look at data for the year 2002 both new and old. 2002 is a year for which the CARB widely distributed data and it is a year for which they have provided data to only a select few researchers such as your author due to the efforts of Environmental Voices.

We will refer to the widely distributed data as the 'old' data and the thinly distributed data as the 'new' data. The old data says that in 2002 the statewide average for ambient aluminum was 1980 nanograms per cubic meter. The new data says that the statewide average in 2002 was 67.5 nanograms per cubic meter. The new data also says that statewide average aluminum concentrations generally remained at this level through to 2009.

As far as barium goes, the old data says that the statewide ambient air average barium concentration for 2002 was 50.8 nanograms per cubic meter. The new data says it was 27.5 nanograms per cubic meter. Why does the new data contradict the old data? The new data says that statewide average

barium concentrations only trended lower from 2002 to 2009.

Are certain people at the CARB trying to hide something? Why does their Public Information Officer, whose job is to answer questions from the public, refuse to answer questions about missing data? Why does he obfuscate the truth by referring me to documents that don't answer the question? Why does one of their division chiefs' response not make sense? How is it that data released to only a select few magically makes the problem go away? Why don't they post this new data on their website? All their answers so far only leave us with more questions.

## **Conclusions**

This introductory chapter alone proves the existence of a New Manhattan Project. For the researcher, the problem is not a lack of documentation, rather it is a problem of too much. This project is much too big to fully cover up. The supporting research is public. Within the literature of the supporting research, we get glimpses of the New Manhattan Project. The next chapter examines the publicly disclosed scraps of what you are not supposed to know. The rest of this book details the many aspects of this project.

This ebook is a work in progress. Due to the urgent nature of the topic, your author is creating a new edition of this ebook every time he completes a new chapter. When 'Chemtrails Exposed' is fully formed, it will be comprehensive. Keep your eye out for a slew of new chapters (and therefore new ebook editions) throughout this year, 2015.

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## CHAPTER 2

## A History of the New Manhattan Project

After so many years of watching airplanes produce the lines in the sky, largely without knowing of what this Project consists or why, we have recently gained an understanding. Evidence suggests that today's chemtrail spraying operations consist of airplanes saturating our atmosphere with nano-sized particles influenced by electromagnetic energy for the purpose of weather modification .

U.S. patent #4,686,605 'Method and Apparatus for Altering a Region in the Earth's Atmosphere, Ionosphere and/or Magnetosphere' shows how stratospheric and tropospheric aerosols can be manipulated using electromagnetic energy in order to modify the weather. The ground-based antennas (known as ionospheric heaters) needed to produce the appropriate electromagnetic energy exist. See chapter 3.

The 1996 U.S. military document 'Weather as a Force Multiplier: Owning the Weather in 2025' outlines a program using aerosols sprayed from airplanes which are then manipulated with electromagnetic energy in order to modify the weather. We will examine this document shortly.

The common thread here is weather modification; or as the Library of Congress calls it, 'weather control.' Lots of other evidence supporting this assertion exists as well, but these two documents are the most salient.

Motives are plenty. Most notably, significant direct benefits can be gained by playing financial markets which rise and fall with the weather such as the weather derivatives and catastrophe reinsurance markets; not to mention agricultural and energy commodities. Enron pioneered the markets (chapters 4 & 5). With foreknowledge of the weather, so many scams could be concocted that it boggles the mind. Weather routinely changes the course of Human history. It determines what we do every day. It determines the outcomes of wars and influences elections. Control of the weather is God-like power. Money and power junkies want it.

Controlling Earth's weather would necessarily require a gigantic scientific effort. Oddly enough, when one looks for a National effort in weather modification, one finds a lot. Specifically, if one looks, one can find a history

of weather control programs involving electromagnetic energy and atmospheric particles; all in a coherent chronological order.

This chapter examines the origins and development of this; the first planetary level scientific endeavor. Now is our opportunity to gain a deeper understanding of the New Manhattan Project.

### **The origins of weather modification**

People have been attempting to modify the weather for ever. Most commonly, man has gone about making it rain; especially in times of draught. The earliest recorded efforts were those of mystics. Local shaman would be called upon to ingest a certain concoction in order to communicate with the weather gods and ask for help. In some cases, the sacrifice of certain animals in certain fashions may have been the thing to do. Sometimes a good old rain dance may have done the trick.

Some early Western efforts to stop destructive weather are outlined in professor James Fleming's book 'Fixing the Sky.' On page 78 he writes, "In ancient Greece, the official 'hail wardens' of Cleonae were appointed at public expense to watch for hail and then signal the farmers to offer blood sacrifices to protect their fields: a lamb, a chicken, or even a poor man drawing blood from his finger was deemed sufficient."

A little later professor Fleming writes, "In Austria, it was traditional to ring 'thunder bells' or blow on huge 'weather horns' while herdsman set up a terrific howl and women rattled chains and beat milk pails to scare away the destructive spirit of the storm."

Much of the early Western attempts at weather modification involved the detonation of explosive charges in the lower atmosphere. It was hypothesized that atmospheric explosions cause precipitation.

### **Early American involvement**

Although there has been much international participation, this article focusses on America's participation in the New Manhattan Project. Throughout the development of the New Manhattan Project, America was the world's technological leader; especially in the area of military technology. America led the way and developed most of this Project. America continues to lead

the Project today. Therefore the early history of weather modification in America is relevant.

James Pollard Espy (1785-1860) also known as 'The Storm King' was the first meteorologist in U.S. government service. Although he never received Federal funding for it, he suggested that forest fires can produce rainfall and that experiments in this area should be carried out. His magnum opus was a book called 'The Philosophy of Storms.' This book contains a long section entitled 'Artificial Rains.'

The first Federally funded weather modification field effort took place in Texas in 1891, with funds appropriated by the Congress in the amount of nine thousand dollars through the Department of Agriculture. The experiment involved weather modifier Robert St. George Dyrenforth (1844-1910) attacking the atmosphere with balloons, kites, dynamite, mortars, smoke bombs and fireworks. The results were inconclusive, but you can bet that the atmosphere was absolutely terrified!

From these early efforts until the beginning of the scientific era in 1946, the realm of weather modification was inhabited largely by a motley collection of pseudo-scientists and con artists similar to Dyrenforth. These people, who referred to themselves as 'rainmakers,' travelled around the Country (mostly the West), going where local governments were willing to pay for their services. If a certain region was experiencing a severe draught, people were often desperate for solutions. These rainmakers' activities often involved the mixing and open air release of dangerous chemicals. Some of these efforts were Federally funded. Since the days of Robert Dyrenforth, the Federal money has not stopped flowing.

## **Nikola Tesla**

In the late 1800's, inventor Nikola Tesla (1856-1943) popularized the use of electromagnetic energy. In his 1905 United States patent #787,412 'Art of Transmitting Electrical Energy Through the Natural Mediums' Tesla describes how electromagnetic energy may be sent and received through the atmosphere. The Supreme Court found that U.S. patent #645,576 'System of Transmission of Electrical Energy' proves he invented radio; not Marconi. He pioneered radar. He invented wireless signal and power transmission. Yes, power can be transmitted wirelessly. We'll have more about that later.

Tesla's musings and scientific discoveries pioneered what are today's ionospheric heaters which use electromagnetic energy to cause atmospheric perturbations from great distances and play a defining role in the New Manhattan Project. Specifically, he pioneered the use of a certain type of electromagnetic energy called extremely-low frequency (ELF). This is a specific type of energy known to be used in the New Manhattan Project; the other being very-low frequency (VLF) electromagnetic energy.

In her book 'Tesla: Man Out of Time,' Margaret Cheney writes that he did a good deal of theorizing about weather control. She also writes that he theorized that the entire earth might be illuminated by shooting electromagnetic energy 35,000 feet up into the atmosphere. 35,000 feet is about the altitude of today's offending airplanes.

The beginning of the scientific era

The scientific era of weather modification began famously in 1946 with a trio of scientists from General Electric Laboratories: Irving Langmuir, Vincent Schaefer and Bernard Vonnegut. Leading the group was the world famous Nobel Peace Prize winning scientist Irving Langmuir (1881-1957). This trio popularized the fact that, under certain circumstances, dumping substances from airplanes into clouds causes precipitation. Early experiments used dry ice while later experiments pioneered the use of silver iodide. Also invented were silver iodide generation equipment and many other weather related scientific instruments. Much of this trio's work here was done in co-operation with the Office of Naval Research and the Air Force. Although others had previously dumped stuff out of airplanes in attempts to modify the weather, the G.E. scientists practiced a sound scientific method previously unseen in the field.

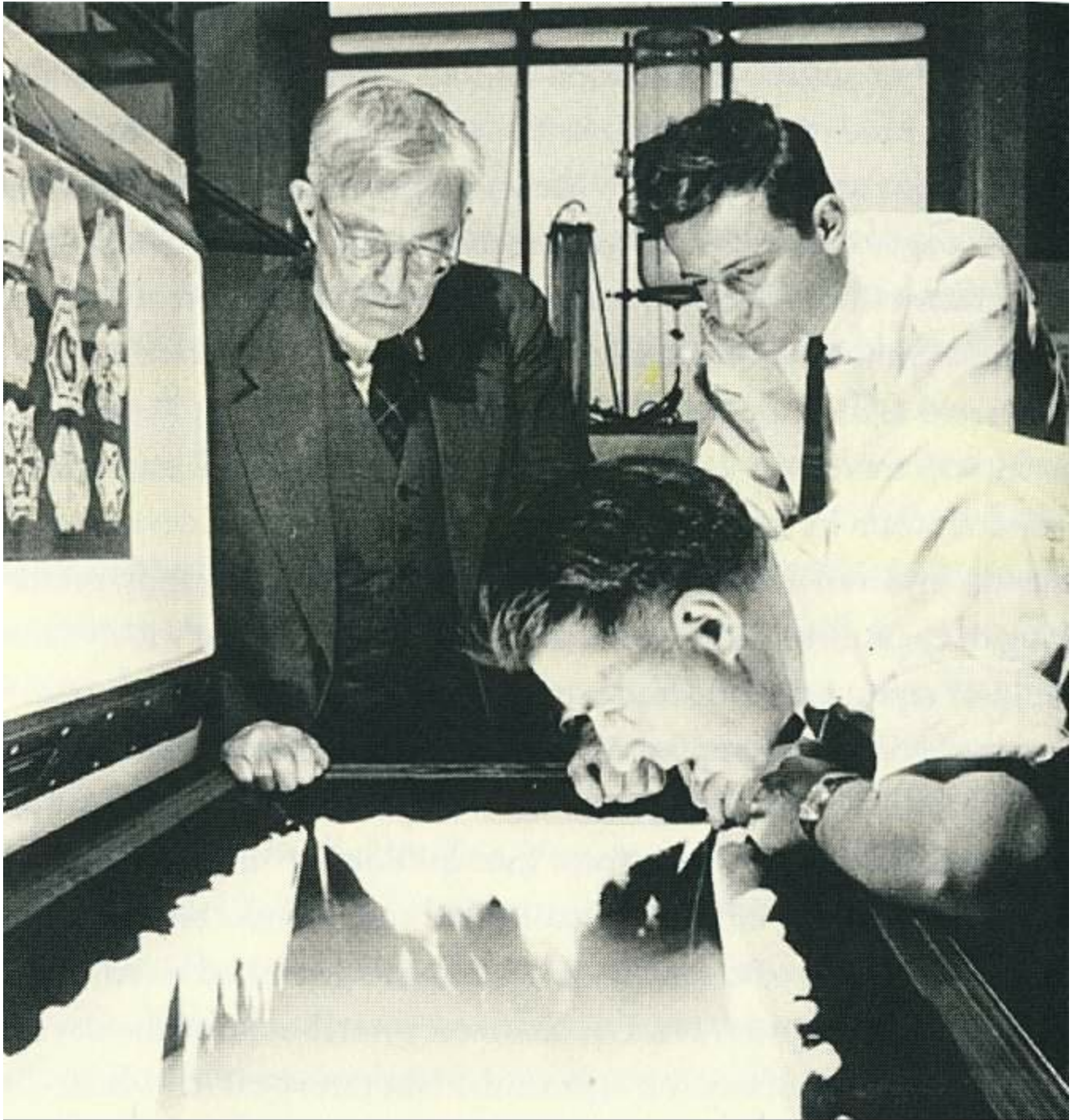


image source: General Electric Laboratories

Following the famous scientific weather modification efforts of the G.E. Labs trio, the public's imagination was sparked and a government regulated weather modification industry flourished. To this day, the government regulated weather modification industry (or 'conventional' weather modification industry as we will call it) expels dry ice, lead iodide or silver iodide (usually silver iodide) from airplanes.



However, the conventional weather modification industry is distinct from the New Manhattan Project and therefore is not the focus of this article. The New Manhattan Project employs electromagnetic energy to manipulate dispersed particles while conventional weather modifiers do not. Also, conventional weather modification efforts are conducted on a regional basis while the New Manhattan Project is global.

Not long after the scientific breakthroughs of the G.E. Labs trio, fueled by high level political rhetoric and popular interest, the United States federal government began pouring hundreds of millions of dollars annually into basic atmospheric research. Since then, the United States government is admitted to have spent many tens of billions of dollars on weather modification and the atmospheric sciences. Much of that was expended in 1950s, 60s and 70s dollars. If one is to control the weather, one must know how the atmosphere works. Or as geoengineer Dr. Clement J. Todd wrote in 1970, "Our ability to manage precipitation depends upon four factors: (1) understanding the physical processes of the atmosphere, (2) real-time knowledge of the weather we wish to manipulate, (3) devising the optimum treatment material and technique, and (4) delivery of that treatment to the cloud where and when we wish."

The majority of the vast expanses of literature pertaining to weather modification and the atmospheric sciences is geared towards conventional weather modification. However, both the New Manhattan Project and conventional weather modification are supported by basic atmospheric research. So, buried in this body of literature, one may find glimpses of the New Manhattan Project. The rest of this chapter recounts these glimpses.

### **Bernard Vonnegut**

One member of the G.E. Labs trio, Bernard Vonnegut (1914-1997) went on to pioneer weather modification research involving the use of artificial electric charges and atmospheric aerosols. His work in this area was performed under Government contracts outsourced to a research and development firm called Arthur D. Little Inc..



image source: Life Magazine

The earliest recorded instances of electricity being intentionally used to modify particles in the atmosphere can be found in the 1884 experiments of Sir Oliver Lodge (1851-1940). The 1918 U.S. patent #1,279,823 'Process and Apparatus for Causing Precipitation by Coalescence of Aqueous Particles Contained in the Atmosphere' by J.G. Balsillie built upon Lodge's work. Using this knowledge as a basis, Mr. Vonnegut resumed Lodge's work; this time with massive funding and modernized scientific equipment.

Beginning in 1953, Bernard Vonnegut, Arthur D. Little et al conducted experiments involving stainless steel wires miles long strung from the tops of telephone poles, connected to a power supply and discharging corona. The coronal discharge's effect upon ambient aerosols and the clouds above was monitored and analyzed. Through 1961, these experiments were carried out in Massachusetts, New Hampshire, Texas, Illinois and New Mexico. These types of experiments are referred to as 'space charge' experiments. The U.S. Signal Corps and the U. S. Coast Guard provided support. Others performed similar experiments.



image source: the Massachusetts Institute of Technology

The 1958 'Final Report of the Advisory Committee on Weather Control' contained an article by Bernard Vonnegut, Vincent Schaefer, J. S. Barrows and Paul MacCready titled 'The Future.' In it they outline an atmosphere saturated with 'chemicals' and 'altering' atmospheric electrical variables. It reads:

“When the nature of thunderstorm electrification is understood it may prove possible to control this process by the introduction of chemicals into the atmosphere or by altering electrical variables. Such variables might be atmospheric conductivity, field, and space charge, or perhaps the corona giving properties of the earth's surface.

“When we become sufficiently sophisticated concerning the dynamics of the atmosphere it is possible that weather may be controlled by the large scale release of chemical or more probably thermonuclear heat energy.”

In 1961, Bernard Vonnegut, Arnold W. Doyle and D. Read Moffett wrote a paper for Arthur D. Little titled 'Research in Electrical Phenomena Associated with Aerosols.' This was a report about their experiments of the previous 3 months involving the effects of electromagnetic energy upon a grounded sphere in a small chamber surrounded by gas. Please consider the implications of that. We will revisit this paper much later.

If you are wondering... yes, Bernard Vonnegut was related to the novelist Kurt Vonnegut. They were brothers.

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In 1958 the chief White House advisor on weather modification, Captain Howard T. Orville, said the U.S. defense department was studying “ways to manipulate the charges of the earth and sky and so affect the weather” by using an electronic beam to ionize or de-ionize the atmosphere over a given area.

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The Department of Commerce Weather Bureau reported in 1960 that they were conducting a weather modification study in which, "Chemicals are introduced into the cloud which noticeably changes the surface tension of the droplets. Electrification effects are being observed by artificially electrifying the droplets and subjecting them to impressed electric fields."

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For better or for worse, this super secret program had a prophet. His name was United States Navy Admiral William Francis Raborn (1905-1990).



image source: United States Navy

In the January 1963 edition of the U.S. Naval Institute Proceedings, Admiral Raborn outlined a program using electromagnetic energy to modify the weather. His article was entitled 'New Horizons of Naval Research and

Development.' In this paper, underneath the heading of 'Environmental Warfare' he wrote:

The possibilities for the military employment of the "weather weapon" may be as diverse as they are numerous. An ability to control the weather could introduce greater changes in warfare than those which occurred in 1945 with the explosion of the first nuclear weapons.

A severe storm or hurricane striking a naval force may well inflict greater damage than could an enemy. The capability to change the direction of destructive storms and guide them toward enemy concentrations may exist in the future arsenal of the naval tactical commander.

Ground, sea, air and amphibious operations might be supported by the dissipation of fog or clouds, or by the production of rain or drought. Conversely, the creation of solid, low overcasts might be used to conceal troop concentrations, movements, and task force deployments. Large-scale weather control techniques might be used to cause extensive flooding in strategic areas or even to bring a new "ice age" upon the enemy. By influencing the ionosphere and atmosphere simultaneously, magnetic, acoustic, and pressure effects might be generated in such a way that ocean-wide sweeping of mines would occur.

Creating or dissipating atmospheric temperature/humidity ducts might modify the refractive index of the atmosphere enough to influence radar or radio transmission. Artificially-induced ionospheric storms might produce a blackout of communications.

Certain electromagnetic waves are unable to pass through an area of precipitation. A cloud seeding generator could be employed under appropriate meteorological conditions to produce precipitation that would interfere with the operation of radio-guided or remotely-controlled devices or vehicles. We already have taken our first steps toward developing an environmental warfare capability. We are using satellite weather data from Tiros II for current, tactical operations and more accurate, long-range weather predictions. Some experiments in fog dissipation have shown promise, and some exploratory research has been conducted on ways to change the heading of major storms.

For these reasons - and because our advances in science make it reasonable - we are now engaged in planning a ten-year, comprehensive study of the atmosphere, a study which we will designate ATMOS. This plan will be co-ordinated with our TENOC oceanographic studies.

About the ATMOS program, the author has failed to find any other significant information. The author has looked over a 1961 report pertaining to the Navy TENOC (Ten Year Program in Oceanography) program. Although it did not contain any specific information pertinent to the New Manhattan Project, it did make mention of another, classified TENOC report.

It is notable that the title of Raborn's article includes the word 'horizon' because the type of electromagnetic energy to which he refers is akin to 'over the horizon radar.' This type of radar is called 'over the horizon' because it is bounced off the ionosphere and therefore is effective far beyond the range of the forty miles or so (depending on terrain) afforded by previous radar systems. Forty miles is approximately the distance one can see over flat land or sea before the curvature of the Earth obscures points beyond. Over the horizon radar, on the other hand, is effective to thousands of miles. Today's ionospheric heaters evolved as over the horizon radar.

Also of note is the fact that the United States Navy, of which Mr. Raborn was an admiral, is today one of the managers of the HAARP facility in Alaska. The HAARP facility contains the world's most powerful ionospheric heater which is documented to be able to modify the weather.

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In the 1967 National Science Foundation's ninth annual weather modification report, it reads, "ESSA [Environmental Science Services Administration] is also investigating the effect of cirrus clouds on the radiation budget of the atmosphere by studying aircraft-produced contrails which often spread into cirrus layers covering considerable fractions of the sky. One technique proposed for modifying lower cloud development has been the generation of a high level cirrus deck with jet aircraft. By intercepting solar radiation at high altitude it may be possible to influence larger scale cloud development elsewhere by reducing solar input and reducing convective cloud generation



in areas where they are not needed." This is essentially today's geoengineering thesis.

A little later in that same report, it reads that their computer atmospheric simulations, or 'models' as they call them, might simulate, "...producing high-level cirrus cloud cover over an area by means of jet aircraft, inserting particulate matter into the upper atmosphere to alter the solar radiation balance and the like."

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In 1966, the Interdepartmental Committee on Atmospheric Sciences Select Panel on Weather Modification produced a document titled 'Present and Future Plans of Federal Agencies in Weather-Climate Modification.' On page 17 of this report, it reads, "It is anticipated that there will be a few large-scale facilities funded for the testing of modification schemes. Typical schemes might be the suspension of a spray nozzle over a valley between two mountain peaks to produce cloud-sized droplets into which electrical charges can be introduced in either polarity, contaminants can be introduced, and the drop size spectrum can be adjusted to any reasonable distribution." The Interdepartmental Committee on Atmospheric Sciences subsequently agreed to proceed with the development of a National Weather Modification Program along the lines of this report.

The now defunct Interdepartmental Committee for Atmospheric Sciences (ICAS) was created by the Federal Council for Science and Technology in 1959 in order to oversee and coordinate a wide range of basic atmospheric research originating from many previously disparate government offices. Their focus was weather modification. Members of the ICAS included the departments of Agriculture, Commerce, Defense, Interior, Transportation and State as well as the Environmental Protection Agency, the Energy Research and Development Administration, the National Aeronautics and Space Administration and the National Science Foundation. These are the government agencies which have been involved in weather modification all along.

The ICAS produced a series of semi-annual reports between 1960 and 1978. In these reports, ICAS member organizations' weather related scientific

activities and expenditures were recounted. The ICAS reports' areas of study included: Earth's natural geomagnetic energy, different ways clouds form and different ways they precipitate, lightning, hurricanes and other extreme weather, inadvertent weather modification, intentional weather modification and extra-planetary atmospheres. The ICAS is duly noted here because so much of the history of the New Manhattan Project is accounted for in the pages of their reports.

In the 1969 ICAS report, under the heading of 'Cloud Electricity Modification,' it is written that the National Science Foundation is developing, "Means for injecting significant quantities of charge artificially into clouds..."

Again in this 1969 report, on page 37 it describes the Army's intentions in the area of weather modification. It reads, "Studies will continue on upper atmospheric structure and dynamics, lasers and other electromagnetic propagation, and acoustic propagation. New approaches to atmospheric modification will be studied."

On page 42 of the 1971 ICAS special report 'A National Program for Accelerating Progress in Weather Modification,' the authors write of fog being cleared by airplanes releasing chemicals and 'electrical methods' of fog dissipation.

On page 79 of the 1973 ICAS report, it is written, "There is a great deal to be learned before we can with confidence say what effect can be produced by the injection of chemically active trace gasses and particulates into the lower stratosphere. New emphasis has been given to both dynamical and physical meteorological research relevant to this question."

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United States patent #5,003,186 'Stratospheric Welsbach Seeding for Reduction of Global Warming' was filed by the Hughes Aircraft Corporation in 1991. The patent describes a method for dispersing particulates into the upper atmosphere in order to save us from global warming. The author David B. Chang suggests that aluminum oxide be used for this purpose. Again, lab tests from around the world have shown aluminum to be the number one chemtrail ingredient.

"One proposed solution to the problem of global warming," it reads, "involves the seeding of the atmosphere with metallic particles. One technique proposed to seed the metallic particles was to add the tiny particles to the fuel of jet airliners, so that the particles would be emitted from the jet engine exhaust while the airliner was at its cruising altitude."

The first mention of aluminum occurs in this passage, "The method comprises the step of seeding the greenhouse gas layer with a quantity of tiny particles of materials characterized by wavelength-dependent emissivity or reflectivity, in that said materials have high emissivities in the visible and far infrared wavelength region. Such materials can include the class of materials known as Welsbach materials. The oxides of metal, e.g., aluminum oxide, are also suitable for the purpose."

The second mention of aluminum occurs a little later. It reads, "Another class of materials having the desired property includes the oxides of metals. For example, aluminum oxide ( $\text{Al}_2\text{O}_3$ ) is one metal oxide suitable for the purpose and which is relatively inexpensive."

The Hughes Aircraft Corporation was acquired by and is now integrated into Raytheon.

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A 1994 document produced by Stanford Research International called 'Multiple Instrument Studies of Chemical Releases and Heating at Arecibo' details three barium releases of 48 kilograms each over Puerto Rico. The barium clouds produced by these rocket-borne explosions were subsequently hit with man-made electromagnetic energy from an ionospheric heater and thus turned into a plasma. Barium has been found to be the number two chemtrail ingredient.

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In 1996 the Air Force produced a previously mentioned document called 'Weather as a Force Multiplier: Owning the Weather in 2025.' The document was produced by the Department of Defense and written as ordered by the

chief of staff of the Air Force, Ronald R. Fogleman. 'Owning the Weather' was but one in a series of 39 documents speaking to a great overhaul of Air Force operations to be achieved by the year 2025. The larger set of documents is called 'Air Force 2025.' 'Owning the Weather' describes a system of weather modification combining atmospheric aerosols with electromagnetic energy.

On page 2 the document reads, "Prior to the attack, which is coordinated with forecasted weather conditions, the UAVs begin cloud generation and seeding operations. UAVs [unmanned aerial vehicles] disperse a cirrus shield to deny enemy visual and infrared (IR) surveillance. Simultaneously, microwave heaters create localized scintillation to disrupt active sensing via synthetic aperture radar (SAR) systems such as the commercially available Canadian search and rescue satellite-aided tracking (SARSAT) that will be widely available in 2025. Other cloud seeding operations cause a developing thunderstorm to intensify over the target, severely limiting the enemy's capability to defend. The WFSE monitors the entire operation in real-time and notes the successful completion of another very important but routine weather-modification mission."

The document mostly speaks to military combat applications, but there are some very interesting quotes. Here's one, "In the United States, weather-modification will likely become a part of national security policy with both domestic and international applications." Let's hear more about those 'domestic applications.'

On page 34 the document reads, "The ability to modify the weather may be desirable both for economic and defense reasons."

Also in 1996, as part of the same series containing 'Owning the Weather,' the Air Force produced a document entitled 'An Operational Analysis for Air Force 2025' which briefly outlines something they call a 'weather analysis and modification system.' This system is described as employing both particulate seeding and microwave energy for the purpose of weather modification.

Under the heading of 'Weather Analysis and Modification System,' the document reads, "A global network of sensors provides 'weather warriors' with the means to monitor and accurately predict weather activities and their effects on military operations. A diverse set of weather modification tools

allows manipulation of small-to-medium scale weather phenomena to enhance friendly force capabilities and degrade those of the adversary."

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In the mid-nineties, Lawrence Livermore Laboratories scientists Edward Teller, Lowell Wood and Roderick Hyde wrote a series of papers calling for the spraying of megatons of aluminum to save us from global warming. The mid-nineties was when reports of chemtrail spraying in American skies began pouring in. If you will recall, aluminum has been found to be the number one chemtrail ingredient.

In their 1997 paper 'Global Warming and Ice Ages,' the Livermore Labs trio wrote, "It has been suggested that alumina injected into the stratosphere by the exhaust of solid-rocket motors might scatter non-negligible amounts of sunlight. We expect that introduction of scattering-optimized alumina particles into the stratosphere may well be overall competitive with use of sulfur oxides; alumina particles offer a distinctly different environmental impact profile."

They continue to espouse the virtues of stratospheric alumina in the footnotes writing, "Alumina, like sulfate, is ubiquitous in the terrestrial biosphere, and its stratospheric injection seemingly poses no significant environment issues."

## Conclusions

So there you have an evolutionary history of a project employing sprayed particles and the electrification of clouds for the purpose of weather modification. Is this a coincidence? Are all these examples simply isolated, one-off events not a part of a larger overall plan? What are the odds of these data points evolving in a chronological order such as they have without being part of a coordinated effort? One may be looking at something like a quadrillion to one; and that is conservative.

## Notes

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## CHAPTER 3

## Ionospheric Heaters / HAARP

A main aspect and distinguishing feature of the New Manhattan Project is its use of electromagnetic energy; energy supplied by ground-based antennas called 'ionospheric heaters.'

An expert in the field tells the author that electromagnetic energy is, "the fabric of space and time." Observed by many, first proven by Heinrich Hertz and later popularized by Nikola Tesla, electromagnetic energy is ubiquitous in our society and environment. We make wireless telephone calls with it. Microwave ovens popularized by Raytheon cook our food with it. The Earth (and the universe for that matter) produces massive amounts of it naturally.

Scientists figured out a long time ago how to use electromagnetic energy to modify the weather. As we have seen, there is a mountain of evidence to support this claim. Although the people running it don't admit that it is or even can be used for such a purpose, the world's most powerful and versatile ionospheric heater is something commonly known as HAARP.

### **HAARP**

Located on an United States Air Force site near Gakona, Alaska, the High-frequency Active Auroral Research Project (HAARP) is the world's largest and most functional ionospheric heater and affords us our best view into this field of technology. Construction began in 1993. Today, HAARP can generate super high powered beams of directed energy. HAARP is designed to shoot these energy beams 200 kilometers up into the sky; affecting an area known as Earth's ionosphere. In doing this, HAARP can perform a number of functions.

The known uses of HAARP are: weather modification, power beaming, earth tomography (mapping of our planet's interior), Star Wars-type defense capabilities, enhanced communications, communication disruptions and mind control. For an in-depth discussion about what HAARP does and how it does it, you must read the 1995 book 'Angels Don't Play this HAARP' by Dr. Nick Begich and journalist Jeane Manning.

Although lesser ionospheric heaters do not generate energy beams as powerful or possess the same functionality as HAARP, similar facilities are

located around the world. Along with a smaller facility located near Fairbanks, Alaska, other ionospheric heater locations include: Puerto Rico, Norway, Russia, Tajikistan, Peru and the Middle East.

The HAARP website explains the differences between HAARP and other ionospheric heaters like this, "HAARP is unique to most existing facilities due to the combination of a research tool which provides electronic beam steering, wide frequency coverage and high effective radiated power collocated with a diverse suite of scientific observational instruments."

HAARP can be remotely operated. In order to increase functionality and effectiveness, ionospheric heaters are used in combination. HAARP and all other ionospheric heaters employ technology originally envisioned and demonstrated by American inventor Nikola Tesla.

HAARP is jointly managed by the U.S. Air Force, the U.S. Navy and the Defense Advanced Research Projects Agency (DARPA) in conjunction with the Geophysical Institute of the University of Alaska, Fairbanks. Here's more from the HAARP website:

"Technical expertise and procurement services as required for the management, administration and evaluation of the program are being provided cooperatively by the Air Force (Air Force Research Laboratory), the Navy (Office of Naval Research and Naval Research Laboratory), and the Defense Advanced Research Projects Agency. Since the HAARP facility consists of many individual items of scientific equipment, both large and small, there is a considerable list of commercial, academic and government organizations which are contributing to the building of the facility by developing scientific diagnostic instrumentation and by providing guidance in the specification, design and development of the IRI [HAARP]. BAE Advanced Technologies (BAEAT) is the prime contractor for the design and construction of the IRI. Other organizations which have contributed to the program include the University of Alaska, Stanford University, Cornell University, University of Massachusetts, UCLA, MIT, Dartmouth University, Clemson University, Penn State University, University of Tulsa, University of Maryland, SRI International, Northwest Research Associates, Inc., and Geospace, Inc."

The HAARP website notes that, "...major construction at the facility was

completed during 2007."

12 U.S. patents are commonly recognized as applicable. A man named Dr. Bernard Eastlund is listed as the inventor on two of these patents and a co-inventor on another. Dr. Eastlund is the inventor of HAARP.

The 12 HAARP patents were all assigned to ARCO Power Technologies Incorporated (APTI); a subsidiary of Atlantic Richfield Company (ARCO). APTI also won the initial contract to build HAARP. In 1994, APTI was sold to a company called E-Systems. E-Systems then changed APTI's name to Advanced Power Technologies Incorporated. Largely involved in communications and information systems, E-Systems gets most of its business from and has extensive ties to the National Security Agency and the Central Intelligence Agency. In 1995, Raytheon acquired E-Systems. Raytheon, the defense contracting behemoth, now holds all 12 HAARP patents.

### **Weather modification**

As shown in chapters 1 & 2, there are mountains of evidence supporting the notion that ionospheric heaters such as HAARP can modify the weather.

Let us reference a passage from Nick Begich and Jeane Manning's book 'Angels Don't Play this HAARP':

"Eastlund's enthusiasm for planetary-scale engineering came through just as clearly in an interview with Omni Magazine. While acknowledging that many of the uses of his invention are warlike, he also talked about 'more benign' uses. His view of benign included using the technology to reroute the high-altitude jet stream, which is a major player in shaping global weather. Another way to control the weather with his technology would be to build 'plumes of atmospheric particles to act as a lens or focusing device' for sunlight, he told Omni. With this, the people controlling the antennae could aim in such a way that the return beams would hit a certain part of the earth. With the heating ability, they could experiment until they could control wind patterns in a specific place.

"The Omni article explained. 'What this means, he says, is that by controlling local weather patterns one could, say, bring rain to Ethiopia or

alter the summer storm pattern in the Caribbean."

United States patent #4,686,605 'Method and Apparatus for Altering a Region in the Earth's Atmosphere, Ionosphere and/or Magnetosphere' is one of the 12 HAARP patents. Dr. Eastlund is credited as the inventor. It states, "Weather modification is possible by, for example, altering upper atmosphere wind patterns or altering solar absorption patterns by constructing one or more plumes of atmospheric particles which will act as a lens or focusing device."

That quote on the surface looks like a connection between HAARP and chemtrails but, before we think we have the smoking gun, realize that they are probably talking about particles precipitated from the ionosphere forming a lens without the need of chemtrails; as outlined elsewhere in the patent. This is how they redirect the jet stream. The good news is, the patent goes on:

"Also as alluded to earlier, molecular modifications of the atmosphere can take place so that positive environmental effects can be achieved. Besides actually changing the molecular composition of an atmospheric region, a particular molecule or molecules can be chosen for increased presence. For example, ozone, nitrogen, etc. concentrations in the atmosphere could be artificially increased. Similarly, environmental enhancement could be achieved by causing the breakup of various chemical entities such as carbon dioxide, carbon monoxide, nitrous oxides, and the like. Transportation of entities can also be realized when advantage is taken of the drag effects caused by regions of the atmosphere moving up along diverging field lines. Small micron sized particles can be then transported, and, under certain circumstances and with the availability of sufficient energy, larger particles or objects could be similarly affected."

That, my friends is a smoking gun. They are talking about introducing small particles into the atmosphere and then using HAARP to move them and the matter around them for the purpose of weather modification.

Although chemtrails are not sprayed as high up as the ionosphere, the electrical and pressure effects caused by ionospheric heaters such as HAARP can strongly influence chemtrail laden skies below. The electrical connection

between the ionosphere and the stratosphere and troposphere (where chemtrails are sprayed) is well documented in the atmospheric sciences and weather modification literature.

Let us refer to 'Angels Don't Play this HAARP:'

"...there is a super-powerful electrical connection between the ionosphere and the part of the atmosphere where our weather comes onstage, the lower atmosphere. Furthermore, scientific theories describe how the electrical energetic levels of the atmosphere are connected to cloud processes."

Chemtrails enhance this connection between the lower and upper atmosphere. When HAARP manipulates the ionosphere, the lower areas of the atmosphere (where our weather happens) are manipulated accordingly. Ionospheric heaters such as HAARP are used in conjunction with chemtrails in order to modify the weather. Dispersed metallic particles such as aluminum, barium and strontium (the main chemtrail ingredients) increase the atmosphere's conductivity and therefore enhance HAARP's weather modification performance.

### **Power beaming**

United States patent #5,068,669 titled 'Power Beaming System' outlines the technical details of how to remotely power airplanes.

Let us refer again to a passage from 'Angels Don't Play this HAARP.' Dr. Nick Begich and Jeane Manning reference an 'Aviation Week' article:

"This 'Star Wars' technology developed by ARCO Power Technologies, Incorporated [patent #5,068,669's assignee] was used in a microwaved-powered aircraft. The aircraft was reported to be able to stay aloft for up to 10,000 hours at 80,000 foot altitudes in a single mission. This craft was envisioned as a surveillance platform. The craft had no need for refueling because the energy was beamed to it and then converted to electrical energy for use by the aircraft. Flight tests were undertaken at Tyendinga Airport near Kingston, Ontario, Canada in the early 1990's. This test by APTI most likely involved this patent..."

Maybe ionospheric heaters are powering the chemtrail planes.

If ionospheric heaters like HAARP are powering the chemtrail airplanes, this would be a great logistical advantage as the planes would not need to be grounded for fueling. The airplanes would probably only need to be grounded for payload and maintenance and therefore could remain in the sky, performing their functions without interruption for long periods of time. This would also be an advantage because the more time these planes spend in the air, the less chance there is of the program being exposed. It's incredibly difficult (as this author has learned) to expose something going on at 40,000 ft. in the sky. The power beaming need not be constant as the airplanes could utilize capacitors.

## **HAARP 2.0**

It is reported that smaller, mobile versions of HAARP exist. Let us refer again to 'Angels Don't Play this HAARP':

"Is it possible that the HAARP scientists could have miniaturized the technology so that they don't need such a large area of land and electrical power as called for in Eastlund's patents?' Manning asked him.

"It's entirely possible,' he [Eastlund] replied. 'They have had a lot of good engineers working on it for some time. I would hope they have improved it.'"

Aviation Week reports in 2008 that the United States Defense Advanced Research Projects Agency (DARPA) is developing an airborne version of HAARP. BAE Systems, the article tells us, is to demonstrate this unit by towing it, 'behind a helicopter.'

The SBX-1 is a mobile HAARP ship. It has a Wikipedia listing:

[https://en.wikipedia.org/wiki/Sea-based\\_X-band\\_Radar](https://en.wikipedia.org/wiki/Sea-based_X-band_Radar)

There may be many HAAARP-like facilities of which we are not aware. There may be ionospheric heaters all around us! A little HAARP atop the Rocky Mountains at North American Aerospace Defense Command (NORAD) might work well.

## **Little HAARPs modifying the weather?**



Scientists at the University of California Los Angeles and the High Power Auroral Stimulation (HIPAS) Observatory in Alaska have assembled a new generation of ionospheric heaters. This technology, known as 'Hertzian antennas,' can, "...match or exceed the peak power of the new HAARP system for a fraction of its cost." Though most implementations are not capable of producing all of the complex, phased signals produced by facilities like HAARP at Gakona, Alaska or the antenna array at Jicamarca, Peru. Named after the man who first proved electromagnetic energy, an effective Hertzian antenna could fit in a big back yard.

Have these new Hertzian antennas been placed strategically around the country and the world in a coordinated effort to modify the weather? As noted earlier, ionospheric heaters such as these can be networked and synchronized to increase functionality and effectiveness. Today's chemtrail/ionospheric heater weather modification operations may involve a network of smaller Hertzian antennas tucked away on the back lots of our nation's scientific establishments and/or placed (as discussed next) at common weather shear locations, disguised as center-pivot irrigation systems. All these antennas could be controlled from a central location.

Maybe HAARP scientists are telling the truth about something. This proposed scenario jibes with what the scientists at the HAARP facility are saying. They say that their ionospheric heater antenna array goes largely unused. If a network of smaller antennas across the country is handling the day-to-day dirty work, then the HAARP array may only be used occasionally or not at all.

This image was captured from Google Earth:



This, at first glance, appears to be a circle formed by a center pivot irrigation system. Such circles appear all over the country as this method of irrigation is common. But, as you can see, the edges of the circle are irregular and there appear to be diamond shaped structures under the soil. What accounts for these irregularities?

An expert in the field of electromagnetic energy, who wishes to remain anonymous, tells me that this may be an ionospheric heater buried in the ground. There may be hundreds, perhaps thousands of such antennas buried in a similar fashion across the country. There is documentary evidence

supporting this notion.

In 1973, the United States Navy produced a document titled 'Project Sanguine: Michigan site.' This document details a planned program involving antennas emitting extremely low frequency (ELF) electromagnetic energy buried under the ground. The electromagnetic energy produced in this fashion was intended to be one-way transmissions to submerged submarines thousands of miles away. This was a proven technology. The system was designed to be able to survive a nuclear holocaust.

Maybe it's time we get out there with electromagnetic energy detectors and find out what this thing is. The coordinates for the above image are 32 08'26.07" N 84 58'55.10" W. You can plug those coordinates into Google Earth. Those coordinates translate to a field alongside Highway 39 near Fort Benning, Georgia. the circle appears to be a little less than one mile in diameter.

### **A pattern of deception**

When it comes to HAARP, our government has shown a pattern of denial, obfuscation and outright lies. In many instances, the HAARP website and the military contradict each other and/or the authors of 'Angels Don't Play this HAARP.'

The HAARP website claims that HAARP is not used for weather modification and the military has never admitted to these capabilities. The patents, Nick Begich, Jeane Manning and the European parliament say HAARP can modify the weather.

Although the HAARP website claims experiments are only being carried out in a relatively small portion of the ionosphere directly over the facility, the HAARP executive summary says, "For broader military applications, the potential for significantly altering regions of the ionosphere at relatively great distances (1000 km or more) from a [ionospheric] heater is very desirable."

The HAARP website claims that HAARP does not make holes in the ionosphere. The European parliament and the authors of 'Angels Don't Play this HAARP' say it does.

The HAARP website and the military deny that HAARP is a 'Star Wars' defense type weapon. The European parliament and the authors of 'Angels Don't Play this HAARP' insist it is; the patents support their position. 'Angels' says:

"In February, 1995, the Star Wars missile defense shield was supposed to be dead. The United States House of Representatives by a 218 to 212 voted to kill the program. Yet HAARP continues on while the motives of the military are hidden from the world."

The military and the HAARP website both claim that HAARP is not a classified project, but leaked documents show that the military planners intend to keep the program under wraps.

The HAARP website contradicts itself about military involvement. In their self-description, they say they are a military project, but in the FAQs, they say HAARP is, "not designed to be an operational system for military purposes." All this while the military's executive summary says HAARP is to 'exploit' ionospheric processes for Department of Defense purposes.

Dr. Eastlund has contradicted the official military position many times. Even though they have been exhaustively proven, our military denies connections between Eastlund, APTI and HAARP. Eastlund himself said in a 1988 NPR interview that the military had tested some of the ideas presented in the patents. According to Dr. Begich and Jeane Manning:

"Eastlund said in a 1988 radio interview that the defense department had done a lot of work on his concepts, but he was not at liberty to give details. He later told Manning that after he had worked within ARCO for a year and applied for patents, Defense Advanced Research Project agency (DARPA) had combed through his theories then gave out a contract for him to study how to generate the relativistic (light speed) electrons in the ionosphere."

Here's more about Eastlund from 'Angels:'

"Eastlund told Chadwick of National Public Radio that the patent should have been kept under government secrecy. He said he had been unhappy that it was issued publicly, but, as he understood it, the patent office does not keep basic 'fundamental information' secret. 'You don't get a patent if

you don't describe in enough detail to another person how to use it,' he said. Specifics of military applications of his patent remain proprietary (secret), he added."

It appears to be just a matter of whom you trust. I choose to trust the patents, Nick Begich and Jeane Manning because, about HAARP, the government has been caught lying. To my knowledge, the authors of 'Angels Don't Play this HAARP' have not once yet been found to be lying. The patents speak for themselves.

Even the technocratic European parliament found serious concerns about HAARP. A 1999 European parliament committee report, after hearing Dr. Nick Begich and others, concluded:

"[the Committee on the Environment, Public Health and Consumer Protection] Regards the US military ionospheric manipulation system, HAARP, based in Alaska, which is only a part of the development and deployment of electromagnetic weaponry for both external and internal security use, as an example of the most serious emerging military threat to the global environment and human health, as it seeks to interfere with the highly sensitive and energetic section of the biosphere for military purposes, while all of its consequences are not clear, and calls on the Commission, Council and the Member States to press the US Government, Russia and any other state involved in such activities to cease them, leading to a global convention against such weaponry;"

HAARP may be remotely operated from Lawrence Livermore National Laboratory, Los Alamos National Laboratory and/or Wright-Patterson Air Force Base. These three locations have produced much of the leading research and development. HAARP is an incredibly high-tech machine. One needs highly skilled scientists and engineers to run the thing. The best place to run HAARP would be from a laboratory where the technology was developed. Most people (top scientists included) are generally not so hot about relocating to the wilds of Alaska.

We know ionospheric heaters such as HAARP can modify the weather. If one could, don't you think they would? Weather control is god-like power. Chemtrails may be sprayed to enhance the effectiveness of these operations.

If this is the case, our Government's pattern of lying and obfuscation about HAARP makes perfect sense and is consistent with behavior exhibited by people associated with every aspect of chemtrails, geoengineering and the related activities outlined here.

## **Notes**

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## CHAPTER 4



## Weather Derivatives

In his paper 'Why in the World Are They Spraying?,' journalist Michael Murphy floats the idea that chemtrails are sprayed in order to manipulate the weather derivatives market. He posted his story in October of 2011. He may not be too far off the mark as an investigation detailed here leads us to many questionable situations, strange bedfellows and none other than those legends of corruption and waste, Enron. The thoroughly disgraced and vilified corporation was the founder of the market. Would you put it past Enron?

### **Overview**

Weather derivatives are financial instruments (options, futures and options on futures) anyone can buy that either pay off or don't pay off according to recorded atmospheric conditions such as temperature and rainfall. These instruments are mostly traded on the Chicago Mercantile Exchange (CME). They are also traded on smaller 'over the counter' (OTC) markets. Weather derivatives are usually structured as swaps, futures, and call/put options.

Although they are available for sunshine hours, snowfall, rain, wind speed and many others, the most common type of weather derivative by far is based on temperature. According to industry experts, temperature based weather derivatives account for 75-99% of all weather derivatives sold. Atmospheric conditions are recorded and published by authorized organizations.

This is how temperature based weather derivatives work. Indices take a location's daily average temperature, then a number is determined by how much that day's average temperature deviates from 65 degrees Fahrenheit (or 18 degrees Celsius outside the U.S.). The number deduced determines the derivative's value and can be aggregated over a period of hours, days, weeks, months or seasons. Other indices simply aggregate average daily temperatures. In short, the day's average temperature determines the derivative's value. You can bet that temperatures will be above or below the long term daily average for a particular hour, date or group of dates.

The first weather derivative transactions were conducted over the counter in 1997 between Willis Group Holdings, Koch Industries, Pxrre Reinsurance Company and Enron. These transactions followed the deregulation of the

energy market in the U.S..

The weather derivatives market was greatly expanded in 1999 when weather derivatives began trading on the Chicago Mercantile Exchange.

The leading weather derivatives industry association was founded in 1999 and is called the Weather Risk Management Association (WRMA). According to former Enron employee Lynda Clemmons, "The Weather Risk Management Association was launched by myself, and by Jim Gosselin of Castlebridge Partners, Darren Wilcox of Southern Co., Ravi Nathan of Aquila Energy and Jeff Porter of Koch Industries." Mrs. Clemmons neglected to mention another WRMA founder, Swiss Re.

In 2011, the WRMA released the results of a survey which pegged the current global weather derivatives market value at about \$12 billion.

USA Today says in their article 'Weather Derivatives Becoming Hot Commodities' that the largest broker of weather derivatives in the world is TFS Energy. A man named Kendall Johnson, who is described as one of the industry's most powerful professionals, states, "Businesses in the U.S., Japan, London and Amsterdam are the most frequent users of weather risk management, though companies in emerging markets like India are beginning to trade weather derivatives."

Other big corporate players include: Aquila Energy, Southern Energy, Castlebridge Weather Markets, British Gas, Hess Energy, ABN Amro, Merrill Lynch, AXA Re, Swiss Re, Koch Energy, RenRe Energy, Nephila Capital, Munich Re, Speedwell Weather Derivatives, Vyapar Capital Market Partners, Galileo Weather Risk Management, PCE Investors / Cumulus, EDF Trading Limited, Risk Solutions International, E.ON Energy Trading, Mitsui Sumitomo Insurance Company and Endurance Reinsurance Corporation of America.

As you can see, re-insurers are some of the biggest market players. Geoffrey Considine, Ph.D. (a high profile weather derivatives industry insider) writes in his paper 'Introduction to Weather Derivatives', "There are a number of drivers behind the growth of the weather derivative market. Primary among these is the convergence of capital markets with insurance markets."

Swiss Re is a name that comes up again and again, and just happens to be the insurer of the World Trade towers at the time of the 9/11 attacks. But, that's surely just a coincidence. Nothing to see here... move along.

### Market participants

The energy sector is the biggest buyer of weather derivatives because energy companies' bottom lines and cash flows are largely affected by temperature fluctuations. This is why temperature based weather derivatives are the most prevalent. Energy companies produce more power and thus increase cash flows when the weather gets either hot or cold because people use more air conditioning when it is hot and more heat when it is cold.

The weather derivatives market was created with the energy sector in mind. As we have seen, the market was founded by big energy players, most notably Enron. According to a Chicago Mercantile Exchange brochure, the 65 degree baseline selected for determining daily index values was chosen by the energy industry. The terms used to describe index values are Heating Degree Days (HDD) and Cooling Degree Days (CDD). Heating Degree Days refer to the number of degrees Fahrenheit above 65 the average temperature of a Winter's day is. Cooling Degree Days refer to the number of degrees Fahrenheit below 65 degrees a Summer's day is. It is this way because 65 degrees is about the temperature where if it is warmer than that, people use more air conditioning and if it is cooler than that, people tend to use more heating.

Industry publications claim substantial non-financial or non-energy sector participation in the weather derivatives market. Of businesses outside the finance or energy sectors, this investigation revealed very little participation. It is unrealistic that, especially in the tough economy we've been having lately, an organizer of an outdoor event, let's say, would first of all even be aware of weather derivatives, much less use the time, energy, expertise and money to buy such things. Businesses outside of finance and energy usually use more traditional forms of insurance or hedge with commodities contracts. Weather derivatives are almost entirely an energy and finance sector market. There is hardly any retail investor activity here, if at all.

Industry publications also often claim that weather derivatives are used by energy companies only as hedges against unforeseen demand lapses. If a

particular Winter is too warm, for example, an energy company would not make as much money selling fuel as they would in an abnormally cold Winter. But, the reasoning goes, if they have purchased a hedge in the form of weather derivatives, they can make up those losses.

Weather derivatives are traded like any other Wall Street market. To make a buck, they are traded any way possible. Enron, the founder of the market, is famous for their trading desk which specialized in arbitrage. Because weather derivatives, energy futures and energy company revenues rise and fall depending upon temperature, the markets are related. It is reasonable to assume that weather derivatives are traded in conjunction with energy futures.

The Bloomberg article 'Hedge Funds Pluck Money From Air in \$19 Billion Weather Gamble' had it right. Nowhere in this article will you see any mention of non-financial or energy sector participation. In fact, industry professionals are quoted as saying they are, "...using weather as market intelligence." And that their business is, "...like playing poker."

Or consider Enron's John Sherriff, an originator of the market. According to Risk.net Magazine:

"He decided to sit out on the trading floor rather than in an office and other managers followed his example, including the company lawyer. 'I was an advocate of sitting on the trading floor,' says Sherriff. 'For a start, I found it the most exciting place in the building, but I also wanted to be accessible. I thought it would create an environment where there was more and quicker communication.'"

Mr. Sherriff was apparently quite the gambling man. The Authors of 'The Smartest Guys in the Room' write:

"The Sherriff legend was that he had made an enormous amount - tens of millions - in a single bet on short-term gas prices back in the mid-1990's, when the business was still in its early stages and such a windfall was not believed possible."

Stories about the gambler John Sherriff seem to go on and on. Also from

'The Smartest Guys in the Room' we find:

"Every year on the annual retreat to the Hyatt Hill Country Resort in San Antonio for vice presidents and above, a group of traders would play a poker game called Omaha (where the lowest hand and the highest split the pot) at the same table in the lobby of the hotel. The pot was usually around \$1,000, but in the final year it was played - 2000 - three players thought they had good odds of winning. The pot grew to \$33,000, as the crowd gathered and the tension built into the early morning hours. One player had both the high hand and the low hand. He bought a new BMW. The other two - one of them London chief John Sherriff - were out \$11,000 each."

## **Conclusions**

Are weather derivatives a reason chemtrails are sprayed? It's plausible. The weather has extensive effects on business; effects which can be exacerbated by financial market leverage. Writers from the London School of Economics and the Swiss Finance Institute put it like this:

"Weather is not only an environmental issue but also a key economic factor, as recognized by the former US Commerce Secretary, William Daley, in 1998, when he stated that at least \$1 trillion of the world economy is weather sensitive. Moreover, it is estimated that 20% of the world economy is directly affected by weather. In a business survey, 160 out of 200 utility companies cited weather as a key determinant of their operating revenues..."

Lynda Clemmons is less conservative. She says, "Over 70 percent of businesses in the U.S. are exposed to financial weather risk. The U.S. Department of Commerce estimated that exposure to be in the neighborhood of \$1 trillion per year -- about one eighth of the total Gross Domestic Product."

Weather derivatives by themselves are big money gambles. They may be valuable enough to make it worth putting planes up in the sky spraying stuff. If you divide last year's total market value (\$12 billion) by the number of traded contracts (466,000), you get the average contract value which is \$25,321. A matter of a few degrees on a given day or group of days could mean hundreds of thousands of dollars. The current weather derivatives market may not be big enough to support all chemtrail activity, but if you

factor in the related multi-trillion dollar energy futures markets, energy company revenues, agricultural commodities and the 200 billion dollar catastrophe reinsurance market (chapter 6), there isn't much doubt that there are enough markets to support it.

The weather derivatives market and other opportunities were made possible by deregulation of the energy market. Enron founded the weather derivatives market. Was the Department of Energy in bed with Enron? As we will see in the next chapter, Enron CEO ol' Kenny Boy (as the Bushes called him) had extensive experience and connections with energy policy at the Federal level.

The fact that Enron founded the market is very dubious. This is a company whose accounting firm, Arthur Andersen, shredded more than a ton of their documents in one day as Enron's chairman Ken Lay told everybody everything was fine. When Enron divisional CEO Lou Pai's wife found out about his stripper girlfriend complete with his love child, she divorced him. Enron's bankruptcy resulted in criminal charges against at least 21 former executives. People suffered under high power costs inflated by Enron. When Enron and their cronies intentionally disrupted power service as they were known to do, people were injured and died. Who knows how many bodies they left behind? These guys were not playing Tiddlywinks. We shouldn't put anything past Enron.

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## CHAPTER 5



## A History of Weather Derivatives

Evidence suggests that the chemtrails so often seen in our skies may be sprayed as part of a plan to manipulate financial markets which rise and fall with the weather like the weather derivatives market. Lots of information about the history of the weather derivatives market is available. It is this way because Enron originated the weather derivatives market. The fall of Enron was one of the greatest corporate scandals in American history, so there has been much already investigated and exposed. This chapter examines this history of weather derivatives so inextricably connected to one of the most famously dishonorable corporations in history.

### **Enron**

When you're talking about the history of weather derivatives, you're talking about Enron. They developed the most widely used early trading platforms, they were founding members of the leading industry association and were counterparties in the first known domestic and international transactions.

In their heyday, Enron received Fortune Magazine's award for 'Most Innovative Company' six years in a row. They gave their Enron Prize for Distinguished Public Service to people like Nelson Mandela and Mikhail Gorbachev. Henry Kissinger and James Baker worked as Enron consultants; traveling to such far-flung destinations as Kuwait and China preaching the Enron gospel. Stock analysts gushed over everything Enron did. Enron could seemingly do no wrong.

The only problem was, Enron was cooking the books seven ways to Sunday. When the S.H.T.F., Enron's stock tanked like World Trade Center building 7 and eventually brought down one of the nation's oldest and largest accounting firms, Arthur Andersen.

Although the company itself has long since been chopped up and sold off, former Enron employees now populate many other financial market trading establishments.

### **Enron Weather**

The particular division known to buy and sell weather derivatives was called 'Enron Weather.' Enron Weather started as a small, but promising bit of the

company. By the time of Enron's demise in 2001, Enron Weather had grown to a significant part of their business.

It is suggested that Enron CEO Jeff Skilling's brother, Tom Skilling originally had the idea for weather derivatives. Peter Fusaro and Ross Miller write in their book 'What Went Wrong at Enron,' "As temperatures spike upward in summer and fall in winter, utilities also potentially needed a hedge against the weather. Or so Enron thought - thanks to an idea that some Enron sources say Jeff Skilling's brother Thomas, a weatherman in Chicago, suggested." Tom Skilling is the chief meteorologist at WGN-TV in Chicago, Illinois.

Loren Fox, the author of 'Enron: The Rise and Fall' tells the story of Enron Weather like this:

"...weather derivatives came to be championed by an employee working at the grassroots level and seeing customers' daily needs. John Sherriff, who at the time managed gas trading for the western United States, began looking at derivatives linked to the weather in late 1995, and Vincent Kaminski's research group worked on the idea in 1996. A gas trader named Lynda Clemmons was very interested in the idea, based on her conversations with executives at electric utilities that used coal-fired power plants.... In 1997, Enron handed off its weather derivatives effort to Clemmons, who was only 27. She began a one-person weather-hedging department within ECT [Enron Commodities Trading]..."

Fox continues:

"...Clemmons built up Enron's weather business so that it did 350 transactions (hedging up to \$400 million in potential revenues) in 1998, turning its first profit that year."

Enron initiated the weather derivatives market in Europe as well. Enron's Oslo office became the base of their European weather derivatives business. In 2000, Enron also introduced weather derivatives in Australia; offering temperature-based products for Sydney, Melbourne, Hong Kong, Tokyo and Osaka.

In 2002, after the bankruptcy, the Enron trading desk (including Enron Weather) was bought by UBS Warburg.

John Sherriff is now the owner of Lake Tahoe Financial and other Sherriff family businesses.

Mrs. Clemmons left Enron in 2000. She took a number of her colleagues from Enron's weather team and set up weather derivatives company Element Reinsurance. After Enron, Lynda Clemmons also worked at XL Weather & Energy, The Storm Exchange Inc. and Vyapar Capital Market Partners. According to her LinkedIn profile, Mrs. Clemmons is now an independent consultant.

### **A history of corruption**

The Enron financial market trading desk, just like the company itself, had a history of corruption. Back in 1987, the Enron trading operations were called 'Enron Oil.' When questions about an Enron account at New York's Apple Bank began surfacing, Enron management turned a blind eye. Money was pouring into this questionable account from a bank in the Channel Islands and flowing out to the account of a man named Tom Mastroeni; the treasurer of Enron Oil.

Enron management explained away these money flows and this questionable account as completely legal profit shifting. Although Mastroeni produced doctored bank statements and admitted a cover-up, Enron management didn't pursue the issue. Nobody involved was even reprimanded. Revelations continued to come out, but Enron management did nothing. Enron's accounting firm Arthur Andersen exhibited a similar disinterest.

After management confirmed an official lack of responsible oversight, Enron Oil traders ignored position limits and got themselves in big trouble. Only then did Enron executives show interest.

The authors of 'The Smartest Guys in the Room' tell the story like this:

"For months, Borget [the CEO of Enron Oil] had been betting that the price of oil was headed down, and for months, the market had stubbornly gone against him. As his losses had mounted, he had continually doubled down,

ratcheting up the bet in the hope of recouping everything when prices ultimately turned in his direction. Finally, Borget had dug a hole so deep - and so potentially catastrophic - that there was virtually no hope of ever recovering."

Enron brass was in a panic. Enron was looking at a \$1 billion loss; enough to bankrupt the company. Management sent in some expert traders who, over the course of a few weeks, managed to clear out these positions with only a \$140 million loss.

Enron had to tell people about this \$140 million trading loss, though. Enron's stock slid 30%. The blame game began. Ken Lay, the affable Enron founder and CEO, denied any responsibility. News of the scandal conveniently came out right after a big bank loan approval.

The U.S. attorney's office charged Borget and Mastroeni with fraud and personal income tax violations. In 1990, Borget pled guilty to three felonies and was sentenced to a year in jail and five years' probation. Mastroeni pled guilty to two felonies. He got a suspended sentence and two years probation.

### Deregulation

Ken Lay helped his company make more money and created new financial markets (such as the weather derivatives market) through energy sector deregulation. Deregulation created a situation where Enron and others could more effectively manipulate and arbitrage (specifically regulatory arbitrage) markets.

Let us refer to a feature article published by industry publication Risk.net:

"'Enron was the focal point of the deregulation agenda,' says Jonathan Whitehead, who started with Enron Europe in 1996 and was heading the liquefied natural gas (LNG) business in Houston at the time of Enron's demise. 'It was the most vocal when explaining to regulators and governments and customers the benefits of deregulated markets. I don't think deregulation in power and gas in Europe or the US would have come as far as it has without Enron,' he says.

"Pushing for deregulation was very much a part of the company's strategy from the start. 'Ken Lay [chairman and chief executive of Enron] was the visionary at the time as far as seeing where deregulation could go and actually driving deregulation,' says Mark Frevert, who worked at one of Enron's predecessor companies, Houston Natural Gas, from 1984 and stayed at Enron until it's demise."

### **All the right connections**

Deregulation necessarily required help from the federal government. To make it happen, Enron and Ken Lay (who died in 2006) had the right federal connections in spades.

Ken Lay enlisted in the navy in 1968. His friend pulled some strings and had him transferred to the Pentagon. According to the authors of *The Smartest Guys in the Room*, Lay spent his time at the Pentagon, "...conducting studies on the military-procurement process. The work provided the basis for his doctoral thesis on how defense spending affects the economy." The evidence suggests that domestic chemtrail spraying operations are carried out by our military. Ken Lay had many high level military connections.

Mr. Lay had the right political and specifically energy related political connections as well. He worked in the Nixon administration as a Federal Power Commission aide, then as deputy undersecretary of energy in the Interior Department. As chairman and CEO of Enron, he sat on the boards of prestigious Washington DC think tanks and often travelled to Washington.

A revolving door existed between Enron and the federal government. Enron executive Tom White left the company to join the Bush Jr. administration as secretary of the army. Enron executive Herbert 'Pug' Winokur was Lay's old Pentagon friend. Robert Zoellick (now head of the World Bank) represented Enron, then the United States as Trade Representative and later as Deputy Secretary of State.

According to the authors of *'The Smartest Guys in the Room'*, "In 1993, Lay added Wendy Gramm [to the Enron board], who had just finished a stint as chairman of the Commodities Futures Trading Commission (CFTC) and was married to Texas Senator Phil Gramm."

It continues, "Just after Wendy Gramm stepped down from the CFTC, that agency approved an exemption that limited the regulatory scrutiny of Enron's energy-derivatives trading business, a process she had set in motion."

When Enron galloped into Europe, they had an influential lord on their side. Journalist Greg Palast covers it like this:

"The fact that a truly free market [in electricity] didn't exist and cannot possibly work did not stop Britain's woman in authority, Prime Minister Margaret Thatcher, from adopting it. It was more than free market theories that convinced her. Whispering in her ear was one Lord Wakeham, then merely 'John' Wakeham, Thatcher's energy minister. Wakeham approved the first 'merchant' power station. It was owned by a company created only in 1985 - Enron. Lord Wakeham's decision meant that, for the first time in any nation, an electricity plant owner, namely Enron, could charge whatever the market could bear... or, more accurately, could not bear.

"It was this act in 1990 that launched Enron as the deregulated international power trader. Shortly thereafter, Enron named Wakeham to its board of directors and placed him on Enron's audit and compliance committee."

A scheme to manipulate financial markets by modifying the weather would necessarily involve intelligence agencies. According to the authors of 'The Smartest Guys in the Room,' Enron had intelligence agency connections:

"One of Enron's key advantages over its competitors was information: it simply had more of it than its competitors. It's physical assets provided information, of course. And Enron didn't stop there. It employed CIA agents who could find out anything about anyone. In stead of tracking the weather on the Weather Channel, the company had a meteorologist on staff. He'd arrive at the office at 4:30 A.M., download data from a satellite, and meet with the traders at 7:00 A.M. to share his insights."

It continues, "By the late 1990's, these research efforts were herded together into something called the fundamentals group - fundies in trader parlance. The fundies group produced intelligence reports and held morning briefings..."

## **The Bush family**

Mr. Lay and Enron had many connections to the Bush family and their cohorts. President George W. Bush (Bush Jr.) lovingly called Ken Lay 'Kenny Boy.' Mr. Lay was also close to his father, fellow Houstonian, George H.W. Bush (Bush Sr.). For example, in 1991, Bush Sr. offered Mr. Lay the position of commerce secretary. Mr. Lay turned him down. He wanted to be Treasury secretary.

Greg Palast, in his book 'The Best Democracy Money Can Buy,' characterizes the Bush/Enron relationship like this:

"But what about Pioneer Lay of Enron Corp? His company, America's number one power speculator, was also Dubya's number-one political career donor (\$1.8 million to Republicans during the 2000 presidential campaign). Lay was personal advisor to Bush during the postelection 'transition.' And his company held secret meetings with the energy plan's drafters. Bush's protecting electricity deregulation meant a big payday for Enron - subsequent bankruptcy notwithstanding - sending profits up \$87 million in the first quarter of Bush's reign."

Other Bushes were apparently getting some, too. Greg Palast writes, "Two months after the bankruptcy, Governor Jeb Bush of Florida traveled to the Texas home of Enron's ex-president, Rich Kinder, to collect a stack of checks totaling \$2 million at the power pillager's \$500-per-plate fund-raising dinner. There are a lot of workers in Florida who will wish they had a chance to lick those plates, because that's all that's left of the one-third of a billion dollars Florida's state pension fund invested in Enron - three times as much as any other of the fifty states."

Mr. Palast continues, "Governor Bush encouraged a scheme by a company called Azurix to repipe the entire Southern Florida water system with new reservoirs that would pump fresh water into the swamps. From the view of expert hydrologists, such a mega-project is a crackbrained and useless waste of gobs of money. As part of the deal, Azurix would be handed the right to sell the reservoir's water to six million Florida customers. Azurix was the wholly owned subsidiary of Enron that had recently been kicked out of Buenos Aires."

Specializing in private equity buyouts, The Carlyle Group is one of the Bushes' two main family businesses and one of the nation's largest defense contractors. Evidence suggests that chemtrail spraying is a military operation. The Carlyle Group could help geoengineering programs happen.

Participation in a scheme to defraud the population while murdering them at the same time would probably be A-o.k. with the Bush family. Bush family members exhibit recurring criminal behavior. Forget about the Enron connections. Do you know about the Nazi connections? Are you aware of the numerous links to 9/11? Have you heard of the connections to the attempted Reagan assassination or the attempted assassination of Pope John Paul II or the JFK assassination? Don't forget that little Iran-Contra fiasco and the drug dealing, gun running and money laundering. Yup, they're connected to that dirty, dirty BCCI thing, too. Folks, these are just some of the things we know about. When you see a few cockroaches, you can bet there are hundreds more in the wall.

So, who funds the Bush family? The answer is a little investment bank called Brown Brothers Harriman. Maybe you've heard of it. This is the American bank that funded the Nazi war effort during WWII. Webster Tarpley and Anton Chaitkin in their book 'George Bush: the Unauthorized Biography' describe the situation like this, "For George Bush, Brown Brothers Harriman was and remains the family firm in the deepest sense. The formidable power of this bank and its ubiquitous network, wielded by Senator Prescott Bush up through the time of his death in 1972, and still active on George's behalf down to the present day, is the single most important key to every step of George's business, covert operations and political career."

In short, the Bush family, Enron and Ken Lay had the right political, business, intelligence and military connections necessary to facilitate the scheme outlined here.

## **Conclusions**

Enron was a business laboratory. In the new world of deregulation created by the Bushes, Enron and others, the purpose of the company was to throw things against the wall and see what stuck. Enron was the perfect environment in which to try something new like weather derivatives. In light of the histories of corruption exhibited by those involved, it is understandable



that the weather derivatives market they created may have been part of yet another murderous rip-off.

While most financial market trading operations are seen as unreliable, Enron's trading desk was often regarded as their most productive and stable business. Could this have been because they were getting inside information about weather produced by geoengineering activities? They had the ways and means necessary. Enron had motive and opportunity. Enron benefitted from weather derivatives.

#### Notes

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## CHAPTER 6

## Catastrophe Reinsurance

Besides weather derivatives, there is also another, larger financial market which rises and falls with the weather; the catastrophe reinsurance market. In this market, the most commonly issued security is something called a 'catastrophe bond.' The issuance of catastrophe bonds themselves is a bespoke market. Participants engage in direct and often lengthy negotiations to craft customized agreements.

The weather derivatives market and the catastrophe reinsurance market are part of a larger market known as the 'Alternative Risk Transfer' market. The Alternative Risk Transfer market is an insurance market. 'Risk transfer' is insurance.

You may have heard of the catastrophe reinsurance market. It's home to the 'terrorism insurance' market. The catastrophe reinsurance market is also home to the Special Contingency Risk (Kidnap & Ransom) market. Don't forget the death bond market; you stand to gain healthy rates of interest if a certain number of people don't die. But if they do, you lose and the banks get all your money, capiché?

Catastrophe insurance derivatives market participants come together at the New York based 'Catastrophe Risk Exchange' (CATEX). Industry expert Erik Banks describes it like this, "Although CATEX is not a formally regulated exchange and does not trade standardized contracts, it brings together multiple parties in a central forum so that they can execute cat risk covers in a organized fashion. In practice, participants (who must be subscribers) make use of CATEX's technology platform to post exposures they seek to cover or protect. Once posted and matched, the two parties conclude discussions in a private setting; CATEX might therefore be regarded as a hybrid listed OTC transaction-matching conduit."

Once issued, these catastrophe bonds (or 'cat bonds' as they are called) are then cut into little pieces and sold in a process known as 'securitization.' Insurance Catastrophe Futures Contracts have been trading on the Chicago Board of Trade (CBOT) since 1992.

The book 'Bond Investing for Dummies' describes what catastrophe bonds

are:

"...they are issued mostly by insurers, pay juicy rates of return, and are backed by revenues from true moneymakers. That may sound great, but here's the catch: the issuer reserves the right to use the cash behind the bonds if a hurricane or tsunami or tornado or earthquake results in many people suddenly making claims against the insurance company. If the catastrophe results in massive claims, bondholders can wind up seeing their principal cast into the wind."

If a bank or insurance company wants to position themselves to gain a whole lot of money in the case of a series of catastrophic hurricanes in a particular region, let's say, or a certain region suffering a sustained draught or floods or tornadoes or earthquakes, that's what the catastrophe reinsurance market is for.

Although catastrophe bonds have only been around since the mid 1990's, the catastrophe reinsurance market has been around since the 1960's. The leading industry association was founded in 1968 and is called the Reinsurance Association of America (RAA). The RAA describes itself thusly, "The RAA is committed to promoting a regulatory environment that ensures the industry remains globally competitive and financially robust, unhindered by conflicting state and federal regulation."

"The RAA's public policy priorities include: federal and state financial role for natural disaster and terrorism catastrophe risk; regulatory reform efforts at the federal and state level; international trade, accounting and tax policy; accounting and financial reporting; solvency oversight and reinsurance recoverables; and climate change and environmental risk."

### **The brass tacks**

The catastrophe reinsurance market involves more money than the weather derivatives market. While the Weather Risk Management Association recently pegged the value of the global weather derivatives market at about \$12B, industry player Nephila Capital's website states, "The amount of notional exposure that trades in the catastrophe reinsurance market each year is approximately \$200B." Now we're talking about your 'disaster capitalism' industry!

2011 was a big year for the catastrophe reinsurance market. In September of 2011, the industry's biggest broker Guy Carpenter released a report stating, "The devastating earthquakes in New Zealand and Japan, along with damaging tornadoes and floods in the United States and Australia, have resulted in insured losses of around USD70 billion so far this year."

Munich Re puts 2011 industry losses for the first half of the year at \$265 billion; easily surpassing the previous full-year record amount of \$220 billion set in 2007. According to Munich Re, "The 9.0 magnitude earthquake, the strongest ever registered in Japan, is also the costliest natural catastrophe on record."

The size of this market is much greater than the potential cost of chemtrail operations. In congressional testimony, geoengineers estimate the total yearly cost of 'full deployment' for a stratospheric aerosol program utilizing jet airplanes at between 'a few billion dollars per year' to \$10B. Aurora Flight sciences did a cost analysis study in which they concluded that, using retrofitted Boeing 747s, it would cost \$1B per metric ton of aerosols per year.

Financial and energy market deregulation enabled the existence of today's catastrophe reinsurance and weather derivatives markets. Financially, the repeal of Glass-Steagall was key. Here is a passage from a book by industry insider Erik Banks, "In the US, product and market convergence has been aided by the passage of the 1999 Financial Modernization Act (i.e., the Gramm-Leach-Bliley Act), which eliminated the 1933 Glass-Steagall Act and Depression-era legislation that prohibited banks and insurance companies from encroaching on each other's territory." When Mr. Banks refers to 'convergence', he's writing about money pouring into the insurance industry from the banking industry.

According to Mr. Banks, for tax and regulatory reasons, many catastrophe reinsurance industry participants choose to domicile in countries such as: Bermuda, the Cayman Islands, the British Virgin Islands, Luxembourg and Ireland.

### **Market participants**

The catastrophe reinsurance market consists of: related financial sector

businesses, brokers, banks, hedge funds and insurance companies. None of the material this author read mentioned any retail investor participation. This is a professional insurance market.

Although industry consolidation remains a trend, related financial sector businesses such as Bermuda Transformers are needed to perform specific functions such as converting derivative instruments into reinsurance contracts. Brokers negotiate deals. The biggest brokers are Willis Group Holdings and Guy Carpenter & Company. Banks provide the capital. Big banks have internal hedge funds which play the catastrophe reinsurance market.

In this scenario, it makes sense that the catastrophe reinsurance market participants from the banking industry be big and corrupt. They need to be big because a lot of money is required. They need to be corrupt because the situation outlined here is a genocidal rip-off. Those qualifications suggest the usual suspects: Bank of America, JP Morgan Chase, Citibank and the rest. If you don't know that the big banks are corrupt by now, may God have mercy on your soul.

Independent hedge funds such as Nephila Capital are here to play. It seems quite odd that these people bet big money on something as unpredictable as the weather. Maybe enquiring minds just think too much.

Insurance companies are here because they originated the market. The terms 'insurance' and 'reinsurance' are used here interchangeably because they are both essentially the same thing. Insurance companies sell catastrophe bonds and insurance-linked securities. Although many insurance companies issue catastrophe bonds and related securities, Swiss Reinsurance America Corporation and Munich Reinsurance America are the most prolific.

Many of the same companies which participate in the weather derivatives market also participate in the catastrophe reinsurance market. Since both markets rise and fall with the weather, it makes sense that they would. Here is a partial list of dual market players: Endurance Reinsurance Corporation of America, Nephila Capital, Swiss Re, Willis Group Holdings and Munich Re.

On a completely unrelated note, industry heavyweight Marsh & McLennan

(who owns the industry's biggest American broker Guy Carpenter) had all their World Trade Tower offices wiped out on 9/11. You see, Marsh & McLennan occupied floors 93-100. On the day of 9/11, the first plane completely gutted floors 93-99; killing every person on all of those floors.

Maybe somebody wanted to make sure certain people were taken care of. Maybe the target was some people on the 96th floor, which was direct center. Maybe guys from Afghanistan who didn't know how to fly did it. Maybe it was Bigfoot, the Tooth Fairy or a purple dinosaur. 9/11 was an outside job and chemtrails do not exist. Stop thinking and return to watching television.

## **Notes**

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## CHAPTER 7

## The Chemtrail Business

The spraying itself is carried out by a fleet of military drones. The military men in charge of the operation take orders from an intelligence agency. The people giving orders from the intelligence agency's headquarters are taking orders from Wall Street. To make a buck, catastrophe reinsurance and weather derivatives market participants direct the military in their day to day chemtrail spraying activities. Ultimately, it is all paid for through a combination of insurance fraud, taxes and corporate bailouts. Geoengineers serve as consultants to both intelligence agencies and the military.

This is the theory I am entertaining. Do you care to join me?

### **Owning the weather**

Let us return to the seminal document 'Weather as a Force Multiplier: Owning the Weather in 2025' released by the U.S. Department of Defense at the direction of the Air Force in August of 1996. The authors examine how stratospheric aerosols (chemtrails) can be used in conjunction with other ground and space based technologies to modify weather.

The document reads, "Between now and 2005, technological advances in meteorology and the demand for more precise weather information by global businesses will lead to the successful identification and parameterization of the major variables that affect weather." One of those 'global businesses' wouldn't happen to be Enron, would it?

The choice of title, 'Owning the Weather' is very interesting. Why did they choose the word 'own' to describe their objectives? Of course, you cannot own the weather. Can you own the Sun? The title is a non sequitur. The word 'own' implies material gain, therefore using the word 'own' makes sense if chemtrails are sprayed for financial gain. 'Own' is 'nwo' backwards. 'NWO' is an acronym for 'New World Order'.

### **Who pays for all this?**

You may be wondering, "Where does the funding come from?" Through either general economic degradation or the hidden tax of inflation, you can bet it's you and I.

Market winnings are probably funded by those market participants not in on the weather modification scam. Newbies in the weather derivatives and catastrophe reinsurance markets probably lose all their money every time. This causes general economic degradation. Scams always do.

As the banks and insurance companies go on participating in dead end markets like weather derivatives and catastrophe reinsurance, they incur losses. When banks and insurance companies incur losses they get bailed out. The big banks control the big campaign finance money. Crooked politicians will vote for the bailouts because they know where their bread is buttered. This is how the taxpayer ends up paying for it. He pays for it through financial bailouts which cause general economic degradation and inflation.

In fact, the catastrophe reinsurance market suggests planned obsolescence. Most big insurance companies do catastrophe reinsurance business with insurance companies they own called 'captives'. Insurance companies claim that when their subsidiary (captive) sells them an insurance contract or security, the insurance company and it's subsidiary are counterparties in that transaction.

Welcome to the insane world of a fascist system masquerading as a free market. When a dog services himself, is there a chance that he may generate offspring? Does a snake benefit greatly by eating it's own tail? The geniuses on Wall Street tell us that we've got it all wrong and that 'financial innovation' is great, but it is not progress when I sell something to myself. Keeping it all in the family is also a good way to hide things. The insurance company's real counterparties are the banks that own the insurance company through debt.

The insurers may collude with their banker counterparties to make sure that most of the losses end up with the bank and then, when the bank becomes insolvent, the bank gets taken over or bailed out. Most employees get screwed, but who cares? The big boys get their usual gargantuan bonuses and golden parachutes. If the losses end up with the insurer, they get taken over or, as in the case of AIG, bailed out too. This way, one way or the other, the losses always end up on the backs of the taxpayer.

This is the strategy, people. It's tried, tested and true. It's been happening over and over again. If you are unaware of the long history of banks and other financials being in the business of getting bailed out, I suggest you read Ed Griffin's 'The Creature from Jekyll Island'. The banker bailouts of 2008 (which continue to this day) are well known.

Oddly enough, through FEMA, the federal government sells flood insurance. Maybe they are trying to eliminate the middle-man. Harvard professor and catastrophe reinsurance industry insider Kenneth Froot writes:

" Ex-post financing of catastrophes occurs when other parties step in to transfer funds to those who experienced event losses. Chief among these entities is, of course, the US government. As is well known, the government has a major role in funding disasters at both state and federal levels, through a number of agencies, and through both the executive and legislative branches. Since the late 1970s, the Federal government has spent annually an average of \$8 billion (current) dollars on disaster assistance. This is far greater than the average annual loss born by reinsurers on US catastrophe coverage. In some forms of disasters, notably floods, the federal government has electively eliminated the incentive for private insurance contracts. Indeed, before the Federal government stepped in to provide disaster relief, private insurers did offer flood insurance."

" The federal government is not the only entity involved in ex-post financing of catastrophes. State guarantee funds are often the next line of defense if an insurer is unable to meet its policy liabilities. And if the state fund is exhausted, then solvent insurance companies are often required to make up the difference." It appears that the corporations themselves are the last to pay.

Chemtrail spraying operations may also be partially financed by opaque military budgets. Those numbers are inherently not available.

### **Intelligence agencies**

This proposed scenario entails the need for liaisons between the military and Wall Street. These liaisons or 'buffers' are supplied by Western intelligence agencies. Their buffering activities consist of collecting Wall Street's requests, obtaining security clearances and other authorizations, sanitizing

information, inserting their own instructions and ultimately providing the military with detailed chemtrail spraying orders. These activities are consistent with typical Western intelligence agency operations.

An intelligence agency is involved because it is advantageous to both Wall Street and the military to not know who exactly is on the other end of their transactions. The intelligence agency's activities increase anonymity which may ultimately shield individuals from prosecution should their activities become exposed. Criminals require buffers. Or as Willi Cicci said in *The Godfather Part 2*, "The family had a lot of buffers."

An intelligence agency can direct the finer points of spraying. The finer points would include spraying chemtrails as a psychological operation. The people ordering from Wall Street are not concerned with the psy-operational aspects of chemtrail spraying. Intelligence agencies are all about it.

An example of chemtrail spraying as a psychological operation might be a single chemtrail sprayed in a sky otherwise devoid of chemtrails. A single chemtrail will not have a significant effect on weather, but the purpose of this might be to make people think that white lines in the sky are normal. There is a better chance that people may only subconsciously notice a single white line in the sky rather than a whole grid which may be consciously noticed. If a person only subconsciously notices something many times, that phenomenon becomes subconsciously registered as normal. Western intelligence agencies are masters of subliminal manipulations.

Intelligence agencies are also needed here to provide the operation with cover and protection. In the information war, cover comes in the form of media dis/misinformation. Protection comes in the form of providing security and maintenance at the various chemtrail spray plane facilities scattered around North America and the world. Protection comes in the form of cars being ran off roads or black uniformed thugs with automatic firearms kicking your door in at 5:00AM. Protection also comes in the form of legal intimidation. Western intelligence agencies have people to do all these things and more... oh so much more!

### **The role of geoengineers**

Geoengineers, in this scenario, would be needed to serve as advisors to both

the military and Wall Street.

Either directly or indirectly through an intelligence agency, geo-Engineers would need to consult the commanders of the military spray operations. Highly scientific operations such as these require professional scientific advice.

Geoengineers would also need to be in contact with Wall Street via intelligence agencies. The financial market players from Wall Street need detailed information about exactly how the weather may be modified in any given situation. The geoengineers tell intelligence agencies what is possible. Intelligence agencies relay this information to Wall Street. Acting upon the buffered advice, the financial sector participants decide what they want and then give their orders back to the intelligence agency who, in turn, gives the military their orders.

Geoengineers today partially publicize their activities in attempts to condition the public and then openly privatize their operations. As we have seen, there is a lot of money to be made if people come to accept mass murder as a legitimate industry. This is what the Geoengineers are banking on.

It would be great to catch David Keith or Ken Caldeira (the two most famous geoengineers) playing weather derivatives! Both of these guys are already heavily invested in the geoengineering business. David Keith is the president of a geoengineering company called Carbon Engineering. Ken Caldeira, representing a firm named Intellectual Ventures, contributed to five pending geoengineering patents.

## **Conclusions**

This proposed scenario is insurance fraud; plain and simple. It may be institutionalized, systemic, industrial strength insurance fraud foisted upon the taxpayers instead of onto an insurance company, but insurance fraud nonetheless. The people have become the insurer of all the 'too big to fail' corporations. We have banks paying big money for stuff designed to become worthless so that the bought and paid for government will wring it out of the taxpayers. In the meantime, they're going to create a catastrophe. They get away with it all because everybody thinks their man-made disasters are random acts of God.

To their satanic Wall Street friends, intelligence agencies probably hand out information about upcoming spray activities like candy. What would an intelligence agency get in return for handing out information worth tens and hundreds of thousands and millions and billions of dollars? It would probably be very dark.

What other way could direct financial gain be achieved by spraying chemtrails? There doesn't seem to be one. Intrade.com and The Climate Exchange are excluded. We need to be talking about money big enough to keep hundreds, maybe thousands of high-tech jumbo jets in the air 24/7.

### **Solutions**

You probably don't want to contact the Commodity Futures Trading Commission (CFTC). Gary Gensler and the CFTC are too busy covering for Jon 'the Don' Corzine after he stole billions of dollars from his customers' segregated accounts. The CFTC is obviously corrupt and it's probably not their area of expertise anyway. Maybe you want to contact the Securities and Exchange Commission, but then again it may be about as useful as the CFTC.

Your author recommends contacting the General Accounting Office (GAO). The GAO does some good work. Last year (2011) they released the first ever audit of the United States Federal Reserve Bank. The former head of the GAO David Walker was the subject of the wonderful 2008 documentary 'I.O.U.S.A.'. David Walker has been preaching economic gospel for a long time. The GAO also made a 2003 congressional report about the evolution of the catastrophe reinsurance market. The GAO has issued multiple reports about geoengineering.

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## CHAPTER 8

## The Fairfax, CA Geoengineering/Weather/Climate Modification Resolution

It all started in late 2009. I was working as a delivery driver at a pizza place in San Francisco called Za Pizza. I still work there today. If you're ever in San Francisco, you should check us out. We have some of the best pizzas and salads ever.

<http://zapizzasf.com/>

Anyway, I made a comment (I don't remember what it was) which referenced the terrorist attacks of 9/11. At the time, I believed the official story. My co-worker, we'll call him Emilio, mentioned that if you look at a picture of the Pentagon on 9/11, you will see that there is no evidence of a plane having struck that building. I was intrigued. I went home that night and image searched 'pentagon 9/11.'

I was flabbergasted. Emilio was right. The number one search result yielded an aerial shot and there was absolutely no way in hell a jumbo jet had hit that building. There was no airplane debris! There was no building damage where the plane's engines would have struck. The one hole in the building was nowhere near the size or shape it should have been.

My mind was aflame. I then found a little movie called 'Zeitgeist.' Then I knew that the 9/11 attacks were staged not by Muslims, but rather by the establishment itself. I didn't know what that meant. It scared me. Was I not supposed to know that? Was I in any danger because I had been exposed to such information? Is this Zeitgeist guy right? Is it really so simple as to blame the Federal Reserve Bank? I hungered for more.

This realization also lifted a great burden from my shoulders. I then knew that it was ignorance to distrust Muslims. Gosh, they just sell you on that damn racism every time, don't they?

Through the course of learning about 9/11, I was exposed to many other issues worthy of (re)examination. The first time I heard about the chemtrail conspiracy, I thought it was nonsense. Why would anybody destroy the world we all live in this way? It didn't make any sense. But as the evidence unfolded before me, it became clear that there was no other conclusion. I

wanted to do something about it.

In my web surfing, I found so many great conspiracy documentaries that I had enough material for a television show. I have experience in this area. I attended some radio, television and film classes at Cal State Long Beach and San Francisco State in the early 1990's and I have made and promoted many short films and videos including a 48 min. documentary about San Francisco taxicabs.

I launched my local community access television show 'Conspiracy TV with Mr. X' on June 19, 2010. The first episode featured the 1992 Academy Award winner for best documentary 'The Panama Deception.' And yes, I got permission for it. I did some short introductions, threw in a few viral videos and presented a two-hour television show. I followed the same formula, playing video jockey for 28 consecutive weekly two-hour episodes presenting such documentaries as: American Drug War, The Money Masters, Ring of Power, America: Freedom to Fascism, Beyond Treason, The Clinton Chronicles and The Phoenix Lights. Although now corporately diminished, my YouTube channel is still operational:

<http://www.youtube.com/user/ConspiracyTVwithMrX>

This was when I first became aware of the Marin Peace and Justice Coalition (MPJC); a local activist group. They were recommending my show. There was a little button on my television station's home page which would take you to a bi-weekly television schedule prepared by the MPJC. They recommended many different shows and from early on, mine was one of them. I tried to contact them but, strangely enough, their website, as far as I could tell, did not afford this opportunity. The last time I checked, it still doesn't.

<http://mpjc.org/>

### **The San Rafael, CA chemtrail resolution**

In early 2011, I got the idea to symbolically declare my home town of San Rafael, CA a 'Chemtrail-Free Zone.' It is what I would like to believe it is. I got the idea by reading William Thomas' book 'Chemtrails Confirmed.' This book floated the idea that, through activism, one might declare their city a

No-Fly Zone for chemtrail aircraft.

On April 4, 2011, I went to a council meeting and floated the idea in the open comments section. You can access the video here:

<http://www.cityofsanrafael.org/meetings/>

I start at about 4:30. At the time, I was operating on the faulty California Department of Public Health Drinking Water Program data. Don't let this happen to you.

Mayor Albert Boro expressed interest and told me it warranted further discussion and that I should contact him along with the other council members. After the meeting, I contacted him and all the others. The only one who got back to me was a man by the name of Greg Brockbank. He wasn't buying it, but he recommended I try Fairfax.

I followed up with an appearance at the April, 18, 2011 meeting. In the video, I start at about 5:45.

I went to one more San Rafael city council meeting on June 6, 2011. In the video, I start at the 1 min. mark. After I spoke, the city manager got on her microphone and told me that I had already been informed that the council was not interested. I hadn't. She said it was out of their jurisdiction. Well, it's out of my jurisdiction too, but I have a brain and I can ask questions. Anyway, the San Rafael resolution was dead. I didn't care. I was doing my best and I had raised awareness. I held the moral high ground.

Fairfax, CA

I decided to take Mr. Brockbank's suggestion. Fairfax, CA (population 7,441) is a progressive town about 10 miles away from my place. At the October 2011 Fairfax Town Council meeting, I floated the idea of Fairfax as a 'Chemtrail-Free Zone.' Here is the audio:

[http://www.town-of-fairfax.org/recordings/2011/10-5-11-B\\_TC.mp3](http://www.town-of-fairfax.org/recordings/2011/10-5-11-B_TC.mp3)

My comments begin just after the 7 min. mark.

Immediately after I spoke, council member Lew Tremaine offered sponsorship. Although I was unaware at the time, this meant that my proposed resolution was now an officially proposed resolution and now, if all went well, would most probably be agendized and voted on at a subsequent town council meeting. At this meeting, I also made my first contact with somebody from the MPJC. He informed me that Lew's sponsorship was a big win.

Lew retired from politics. The November 2011 meeting was his last as a council member. He asked the current mayor Pam Hartwell-Herrero to sponsor my proposed resolution and she complied.

I prepared a resolution. I submitted it to everybody involved. The town manager put it on the agenda pretty much the way I wrote it. He most notably removed a section about Fairfax having jurisdiction over stuff landing on their town. Here it is:

[http://www.town-of-fairfax.org/pdfs/council/council\\_packet/2012/011112/Item%2016%20Chem%](http://www.town-of-fairfax.org/pdfs/council/council_packet/2012/011112/Item%2016%20Chem%20)

At the Jan. 2012 meeting, it was to be voted upon. As soon as they published the agenda, a local activist requested that the proposed resolution be moved to public comment.

When I saw that it was on the agenda, I notified The Pacific Sun along with TheIntelliHub.com, the San Francisco Chronicle and the Marin Independent Journal. I had been trying to get these outlets to print a story about chemtrails for some time.

On Jan. 8, a man I didn't know named Jacob Shafer contacted me. He said he was writing a story about chemtrails for the Pacific Sun and that he wanted to interview me. We did the phone interview on Jan. 10. During the interview, I said that the man currently leading the charge is Michael Murphy from 'What in the World Are They Spraying?.' Mr. Shafer later contacted and interviewed Mr. Murphy.

At the January 11, 2012 town council meeting, activists from near and far came and spoke in favor of the resolution. The audio is available here:

<http://www.town-of-fairfax.org/recordings/2012/TC%201-11-12a.mp3>

The chemtrail activists (including yours truly) begin speaking at about the 1 hour and 53 minute mark.

I made new contacts; many of whom were members of the MPJC. There were one or two ignorant individuals that night who ridiculed the proposed resolution and the council. People with brains agreed to work together. The deniers left early, then it was all hugs and pass the soda crackers. It looked for all the world like the resolution would be modified, then passed. This is what I was told that night by the most instrumental activist involved.

About a week later, I met with four activists at a downtown Fairfax restaurant to discuss content, language and strategy. Although he did not attend the meeting, Fairfax council member Larry Bragman was showing interest and offered written input.

Although I initially demurred, I later agreed to change the title of the proposed resolution to one which declares Fairfax a 'Geoengineering/Weather/Climate Modification-Free Zone.' At first, I thought it was too much of a mouth-full. I was looking for something short and sweet I could push in the media like a 'Geoengineering-Free Zone.'

We all decided we didn't want to run with the word 'chemtrails' because the system does not even recognize it. The system does, however recognize the word 'geoengineering.' If our resolution was to have any political traction, we needed to use a term the system understands.

The 'Geoengineering/Weather/Climate Modification-Free Zone' term has actually grown on me over time. I like the way it covers all the potential reasons for spraying chemtrails. It eliminates plausible deniability. Over time, it is even striking a funny bone in me. I digress.

We also decided that our proposed resolution should include a provision for the creation of an official Town committee convened for the purpose of producing a report in order to determine if the people of Fairfax have been exposed to substances associated with geoengineering, weather modification

and/or climate modification activities. We figured we could: have professional analysis done on a strange, previously collected sample, compile local photographic evidence, collect rainwater samples, get local residents' hair and blood samples, analyze samples from HEPA air filters, get local surface water contamination data, and more.

A few days after our meeting, the Marin County handout Pacific Sun (circulation 80,000) newspaper cover story hit piece 'Sprayed and Confused' came out. Here is the online version:

[http://www.pacificsun.com/story.php?story\\_id=5162](http://www.pacificsun.com/story.php?story_id=5162)

I liked it. I liked the fact that I was taking flack; it meant that I am over the target. It revealed the enemy's position. It meant that I am having an effect. I liked the fact that the corporate media was at least covering an issue the corporate media usually ignores. I liked the fact that Michael Murphy was included. It had all the bells and whistles of a hit piece, but it also contained long quotes from Mr. Murphy and myself and gave the reader many leads for further investigation. As far as I was concerned, it was mission accomplished.

Some local activists did not agree. They didn't like how the Pacific Sun hit piece bashed Fairfax and it's politicians and activists. They didn't like my published Intel Hub articles because of all the chemtrail and conspiracy talk. One told me that she now didn't want to have anything to do with my proposed resolution. The most important activist told me it would have to wait until next year. People were attacking me left and right for things like lack of email etiquette. I lost my temper in the article's online comments section.

The mayor and Lew stuck with me. Physically published Pacific Sun editorial responses to the article were many and overwhelmingly chemtrail aware. Back issues are available here:

<http://www.pacificsun.com/morgue/index.php?images=yes>

A local online poll showed those chemtrail aware outstripping deniers better than 2 to 1.



<http://sananselmofairfax.patch.com/articles/fairfax-prepares-anti-chemtrail-resolution>

But, I was no longer the flavor of the month as far as some locals were concerned. Although I am of the opinion that they mostly overreacted, the fact is that I was marginalized. I am not a resident of Fairfax. I cannot propel this resolution without the help of locals.

It appears that some have rationalized my marginalization by suggesting that I am egotistical. They seem to take my writing style and the way I annihilate Internet trolls as ego. People can believe what they want. The world is full of foolishness. I know who I am. I don't hesitate to rub my success in people's faces if I see fit.

If somebody has never gone online and committed to battle armies of professional disinformation artists like I have, then I can understand how one might think some of my attacks are ego. It's more like guts. It's more like having the courage to stand up against a global system everybody knows in their heart is rotten to the core. Do not underestimate your enemy. We are up against the ultimate evil. Who else would put planes in the sky that poison our world? I will use every weapon available to destroy the enemy in the information war.

Also, I do not deny, I have been inspired by Alex Jones. People say he is egotistical. I listen to him every day. He is the most dynamic thing in media I have ever seen.

<http://www.infowars.com>

The fact that I called out our former local congresswoman, Lynn Woolsey didn't help my Fairfax public image, either. Woolsey knows all and says nothing about the lines in the sky; but it's not politically expedient for me to point that out because she works with the MPJC.

As of now, the resolution is at best stuck in the mud. I still have hope for it, but communication has broken down. Key people don't want to be associated with me and it. They tell me they are now too busy with the

smart meter issue.

I'm not changing a thing. What I do has been proven effective and I am going to stay over the target. I'm having too much fun in the infowar; blasting the daylights out of the New World Order. I don't have the patience for politics. If this type of resolution ever passes anywhere, it will be due to the efforts of a resident. My city council doesn't care. I have not been able to pull this sword from the stone and I am not willing to make any sacrifices in order to do so.

Does anybody else want to do this?

I offer you an amalgamation of Berkeley's 'Resolution in Support of the Space Preservation Act,' Maui's proposed 'Clean Sky Ordinance' and my contributions gleaned from working with local activists and governments. I ask here and now that a resident of Fairfax, San Anselmo, Berkeley or any other responsible locality stand up, go to their council meeting and ask a council member to sponsor this:

### **A generic proposed resolution to declare your town or city a 'geoengineering/weather/climate modification-free zone'**

#### **BACKGROUND:**

United States patent #4,686,605 'Method and Apparatus for Altering a Region in the Earth's Atmosphere, Ionosphere and/or Magnetosphere' (1987) describes how electromagnetic energy and dispersed particles can be used to modify the weather.

In 1991, U.S. patent #5,003,186 'Stratospheric Welsbach Seeding for Reduction of Global Warming' speaks to the dispersion of aluminum oxide as a way to modify the weather.

The 1996 U.S. Air Force research paper 'Weather as a Force Multiplier: Owning the Weather in 2025' explains how spraying particles into the atmosphere with airplanes while utilizing ground and space based electromagnetic weaponry for the purpose of weather modification is good and how our military might go about doing this both domestically and internationally.

In the mid-nineties, Lawrence Livermore National Laboratories scientists Edward Teller, Lowell Wood and Roderick Hyde wrote multiple papers calling for small aluminum particles to be 'injected' into our atmosphere in order to 'scatter' sunlight.

The Council on Foreign Relations has issued many publications about geoengineering. Their 2008 paper entitled 'Unilateral Geoengineering: Non-technical Briefing Notes for a Workshop at the Council on Foreign Relations' proposes spraying aluminum oxide dust into the stratosphere.

The U.K. Royal Society published a 2009 report titled 'Geoengineering the Climate: Science, Governance and Uncertainty' in which they propose geoengineering and state, "A wide range of types of particles could be released into the stratosphere with the objective of scattering sunlight back to space."

During 2009 and 2010 Congressional hearings called 'Geoengineering: Parts I, II, and III,' testifying geoengineers proposed spraying substances from aircraft many, many times.

Aurora Flight Sciences published a 2010 cost analysis study prepared under contract to the University of Calgary entitled 'Geoengineering Cost Analysis' which states, "The goal of this study is to use engineering design and cost analysis to determine the feasibility and cost of a delivering material to the stratosphere for solar radiation management (SRM)." [sic] In this report, the authors write about utilizing different kinds of aircraft, including blimps, to spray particles into the atmosphere. Of readily available solutions, it was found that retrofitting old jumbo jet airplanes would be the most cost effective choice.

In October of 2010, the United States House of Representatives Science and Technology Committee issued a report called 'Engineering the Climate: Research Needs and Strategies for International Coordination.' On the final page, this report advocates, "It is the opinion of the Chair, in agreement with U.K. Committee, that further collaborative work between national legislatures on topics with international reach, such as climate engineering, should be pursued. The Chair also agrees that there are a range of measures that

could be taken to streamline the process and enhance the effectiveness of collaboration."

The United Nations Educational Scientific and Cultural Organization (UNESCO) issued a report in November of 2011 titled 'Geoengineering the Climate: Research Questions and Policy Implications.' It proposes geoengineering and features a full color illustration of a jumbo jet spraying stratospheric aerosols.

A RESOLUTION OF your council TO DECLARE your town/city A  
'GEOENGINEERING/WEATHER/CLIMATE MODIFICATION-FREE ZONE'

WHEREAS, the people of your town/city recognize that geoengineering, weather modification and climate modification programs and activities are either known to employ or propose employing aircraft and other means to disperse substances in order to affect the weather and/or climate; and

WHEREAS, the people of your town/city have the right to be informed by full disclosure through an Environmental Impact Statement of the health and environmental implications caused by any geoengineering, weather modification and/or climate modification program or activity; and

WHEREAS, any geoengineering, weather modification and/or climate modification program or experimental program or activity with potentially adverse health and environmental implications for the people of your town/city needs the informed consent of the people of your town/city; and

NOW, THEREFORE, BE IT HEREBY RESOLVED:

I. That it is the will of your council to declare your town/city a 'Geoengineering/Weather/Climate Modification-Free Zone'; and

II. That your council hereby declares that the space above your town/city is a 'Geoengineering/Weather/Climate Modification-Free Zone'; and

III. That an official committee of your town/city be convened for the purpose of producing a report to your council and the people of your town/city in order to determine if your town/city and the residents of your town/city have been exposed to substances associated with geoengineering, weather modification

and/or climate modification activities; and

IV. That this resolution of your town/city is hereby recommended to be adopted by all Municipalities in the United States of America and worldwide.