



## CHEMTRAILS TIMELINE

by William Thomas



### Pre-Columbian Era

#### HOPI PROPHECY

Long before Columbus “discovered” civilizations long extant throughout the Americas, the Hopi elders of the Southwest foretell of the end of the Fourth Age of Man during a time of Great Purification. This period will begin with the of “tracks” and “spiderwebs” in the sky.

### 1940s

Rainmaking using silver iodide cloud seeding begins..

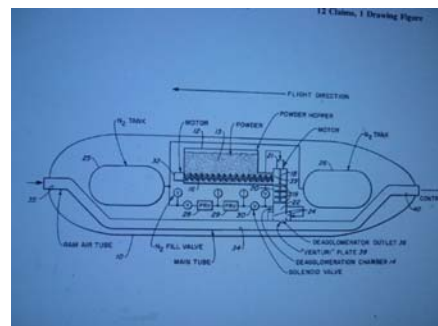
### 1951

10% of the United States is under commercially seeded clouds.

### 1975

#### US NAVY CONTRAIL GENERATOR PATENT

New underwing device can spread white plumes for target practice, says navy, “or other purposes.”



## **1958**

White House Chief Advisor on Weather Modification calls for electronic beams to "ionize the atmosphere."

## **1965**

Hurricane control becomes a national priority. President Johnson's advisers urge him to begin "aerosol sunscreen".

## **1961 - 1980**

### **PROJECT STORM FURY**

Some destructive hurricanes approaching the USA lose energy following aerial seeding. After "accidentally" redirecting a hurricane into Nicaragua, Project Storm Fury's hurricane tampering goes black.

## **1966**

Presidential science advisor repeatedly calls for military weather modification.

## **1967**

### **OPERATION POPEYE**

Ordered to "make mud, not war," the 54<sup>th</sup> Weather Reconnaissance Squadron attempts to drown the Ho Chi Minh supply trail. The wholesale genetic poisoning of the entire Vietnamese population sprayed with dioxin-laden Agent Orange has already shown that the only country to use nuclear weapons against civilian populations is not shy about deploying weapons of mass destruction.

## **1977**

### **ENMOD**

The U.S. signs a UN treaty banning Environmental Modification.

## **1991**

### **VTRPE & RFMP**

Variable Terrain Radio Parabolic Equation can make predictions for microwave propagation over both land and water that solves the electromagnetic wave equations for the complex electric and magnetic radiation fields. The United States Navy will initiate their own RFMP, Radio Frequency Mission Planner in 1992.

The VTRPE computer program only works accurately over water and along coastal areas – not over land masses because the system's radar waves required an atmospheric condition known as "ducting" to operate accurately. The government and military solves the "ducting" problem by releasing an aerosol, a mixture of barium salts, into the atmosphere. Spraying from point A to point B enables high frequency communications even over the curvature of the Earth. Barium salt chemtrails will be used to support the Navy's Radio Frequency Mission Planner over Iraq and Saudi Arabia, where the chemical and electrical characteristics of the mixture will cause water moisture to stay in clouds.

## United States Patent [19]

Chang et al.

[11] Patent Number: 5,003,186

[45] Date of Patent: Mar. 26, 1991

[54] STRATOSPHERIC WELSBACH SEEDING FOR REDUCTION OF GLOBAL WARMING

[75] Inventors: David B. Chang, Tustin; I-Fu Shih, Los Alamitos, both of Calif.

[73] Assignee: Hughes Aircraft Company, Los Angeles, Calif.

[21] Appl. No.: 813,145

[22] Filed: Apr. 23, 1990

[51] Int. Cl.<sup>3</sup> ..... G21K 1/00

[52] U.S. Cl. .... 250/505.1; 250/504 R; 250/503.1; 244/158 R

[58] Field of Search ..... 250/505.1, 504 R, 503.1, 250/493.1; 244/136, 158 R

[56] References Cited

### U.S. PATENT DOCUMENTS

3,222,675 12/1965 Schwartz ..... 244/158  
4,755,673 7/1988 Pollack et al. .... 250/330

Primary Examiner—Jack I. Berman  
Attorney, Agent, or Firm—Michael W. Sales; Wanda Denson-Low

### [57] ABSTRACT

A method is described for reducing atmospheric or global warming resulting from the presence of heat-trapping gases in the atmosphere, i.e., from the greenhouse effect. Such gases are relatively transparent to sunshine, but absorb strongly the long-wavelength infrared radiation released by the earth. The method includes the step of seeding the layer of heat-trapping gases in the atmosphere with particles of materials characterized by wavelength-dependent emissivity. Such materials include Welsbach materials and the oxides of metals which have high emissivity (and thus low reflectivities) in the visible and 8–12 micron infrared wavelength regions.

18 Claims, 2 Drawing Sheets

## HUGHES AEROSPACE FILES WELSBACH SEEDING PATENT

Environmental consultant Dr. Mike Castle discovers a patent filed by Hughes aircraft company for the “Stratospheric Welsbach Seeding for Reduction of Global Warming”.

The primary purpose behind chemtrails is to reflect incoming sunlight with Welsbach oxides of metals capable of converting heat trapped by greenhouse gases near the Earth's surface into far-infrared wavelengths – which then radiate into space.

Cautioning that the resulting white skies may be unpopular, the Hughes patent nevertheless suggests that these very tiny metal flakes could be “added 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 patent calls for aluminum oxide and other sunlight-reflecting chemicals 10 microns across. A human hair is about 100 microns across



## NAS GEOENGINEERING STUDY

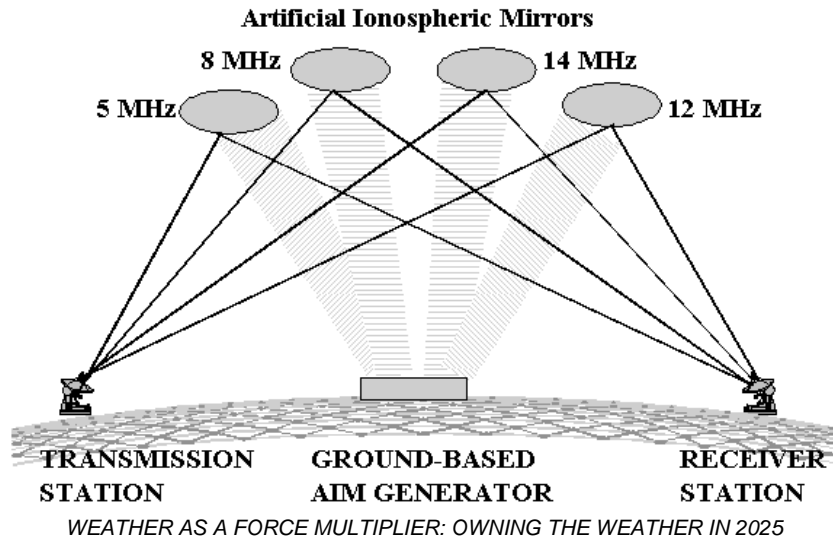
National Academy of Science \$80, 944-page report on the “Policy Implications of Greenhouse Warming” includes chapters on “mitigation” describing geoengineering schemes championed by the late Edward Teller and others. The NAS says: “Cloud stimulation by provision of cloud condensation nuclei low-cost option capable of being used to mitigate any quantity of CO<sub>2</sub>. Perhaps one of the surprises of this analysis is the relatively low costs at which some of the geoengineering options might be implemented.”

**1992**

December 6

**BANYACYA WARNS UN**

Addressing the United Nations, Hopi spiritual leader Banyacya says, "If we humans do not wake up to the warnings, the great purification will come to destroy this world just as the previous worlds were destroyed." Misty sun and moon halos now being seen around the Earth fulfill one of the last signs, according to Hopi prophecy that signals a Great Purification is beginning.



**1993**

**WEATHER AS A FORCE MULTIPLIER: OWNING THE WEATHER IN 2025**

This U.S. Air Force research study outlines how HAARP and aerial cloud-seeding from tankers could allow USAF "Weather Force Specialists" to fly "aerial obscuration" missions spraying chemicals to form "cirrus shields". The study further notes that HAARP could be used "to stimulate," heat and steer sections of the upper atmosphere.

**1997**

August 20-23

**TELLER PROPOSES EARTH SUSCREEN**

As the first 200 mph hurricane is recorded, and Antarctica warms 10-times faster than the global rate, and flagship insurer Lloyds of London take on water after losing almost \$11 billion in just four years, "Father of the H-Bomb" Edward Teller addresses the 22<sup>nd</sup> International Seminar On Planetary Emergencies in Italy. Why not spray a protective chemical "sunscreen" into the upper atmosphere, Teller urges.

Explaining that his ongoing work is "sponsored by an agency of the United States Government," Teller says that computer simulations conducted at Lawrence Livermore show that if enough reflective particles can be suspended in the atmosphere to deflect just 1% of incoming sunlight, an expected doubling CO2 emissions would result in no net warming over at least 85% of Earth's surface by 2050. This chemical cloud cover will also greatly reduce levels of potentially lethal ultraviolet rays. "Total cost of such an enhanced scattering operation would probably be at most \$1 billion per year," estimates the scientist who once urged exploding nuclear bombs over US coastlines to create artificial harbours.



Ken Caldeira

Ken Caldeira ran the simulations for Teller. This climate modeler worries that this massive aerial spraying of reflective particles will further cool the stratosphere by diverting incoming sunlight, creating CFC ice-clouds that “could destroy the ozone layer.”

The Lawrence Livermore National Laboratory scientist later tells *Columbus Alive*, “We originally did this study to show that this program shouldn't be done.”

“Why not?” asks reporter Bob Fitrakis.

Because of negative health effects, Caldeira replies.

## 1999

January 7-March

### **WILLIAM THOMAS APPEARS WITH ART BELL ON COAST-TO-COAST**

AS Emergency Rooms overflow across USA, William Thomas makes his first of eight appearance on Art Bell's “Coast to Coast” radio show with news of something he calls “chemtrails”.

January 12

### **FIRST CHEMTRAILS WIRE SERVICE STORY**

The first chemtrails report is issued on a worldwide wire service. In “Mystery Contrails May Be Modifying Weather,” reporter William Thomas speculates: “U.S. Air Force aerial tankers may be causing and seeding clouds to modify the weather... Tommy Farmer, a former engineering technician with Raytheon Missile Systems, has been tracking patterns of jet contrails phenomena for more than a year. Farmer has “positively identified” two of the aircraft most often involved in the aerial spraying incidents as a Boeing KC-135 and Boeing KC-10. Both big jets are used by the US Air Force for air to air refueling.

"Farmer has collected samples of what he calls 'angel hair' sprayed by the mystery aircraft on six occasions since February, 1998... Farmer urges caution to collectors after becoming ill after his first contact with the 'angel hair.'

I guess that strands of extremely fine polymers could be sprayed into the upper atmosphere to be heated by HAARP. Bernard Eastlund writes to say: "The experiments described by Thomas seem technically feasible. Recent work on polymeric additives for microwave absorption has been done for commercial curing applications so the polymer fibers are available."

HAARP's inventor supplies addresses for two producers of polymer capable of being heated by intensely focused Radio Frequency beams. "The heat generation occurs by adding magnetic iron oxide powder to the polymer," Eastlund explained. FREQUON-B-20 and F-5 PPS polymers "are sensitive in the 1-50 MHz regime. HAARP transmits between 2 and 10 MHz."

There are thought to be at least 18 of these "ionosphere heaters" around the globe are several patents on "artificial ice nucleation for weather modification", including one from NASA.



January - August

#### **CARNICOM'S ATMOSPHERIC STUDY SHOWS SKY PLUMES CANNOT BE CONTRAILS.**

Clifford Carnicom calls chemtrails, "aerosol crimes". The scientist correlates atmospheric readings by NASA's Climate Diagnostics Center with 21 days of heavy "chemtrail" gridding over Santa Fe, New Mexico. At altitudes where persistent white plumes criss-cross the usually cloudless New Mexico sky, Carnicom finds 30% humidity or less-less than half the moisture needed to form contrails.

#### **ESPANOLA, ONTARIO RESIDENTS PROTEST SPRAYING**

Residents describe "frequent spraying" over Espanola, Ontario. By July 1999, mounting public pressure compels the provincial Ministry of Environment to dispatch an air monitoring van. At a raucous August 10 town meeting, environment officials pronounce the air "safe"-but reportedly refuse to make public the actual air sampling analysis.

The US Air Force denies flying its planes over Espanola. Residents counter with eyewitness reports and photos of USAF tankers spreading broad white plumes over the region. Canada's national news network notes, "Tempers at the Espanola town council run high. Residents want to know what's flying over their community. Shelly Jordan thinks strange planes might be making her kids sick...In fact, many in the community have reported respiratory problems and strange aches and pains. Town council heard that some believe military jets are dropping material over the town as part of a weather experiment."

As the mystery spray sometimes falls as visible, flesh-stinging particles thick as snow, provincial lab analysis find traces of mica and large quantities of highly reflective quartz grains, with one fallout sample taken from a car windshield showing an 80% quartz component. Used by Nikola Tesla in his high-energy experiments, the electrical properties of quartz raises speculation that the chemtrails laid down over Espanola may have been connected with HAARP. Quartz is also used in airborne laser experiments, being conducted at the time.

A private lab analysis of rainwater falling through the chemtrails finds does not classify any of the 1600 molds/fungi found in the rainwater, reporting only that "no one species was dominant." This unexpected finding appears to confirm that chemtrails are precipitating microscopic organisms out of the upper atmosphere.

The level of aluminum in the chemtrail-contaminated sample is .53 (ppm). This is 7-times over the previous "safe" threshold set by the Ontario government for drinking water.

One resident notices "a lot of depressed people in Espanola." In addition, "A lot of people here in town are complaining of short term memory loss." People can't remember simple errands, or where they parked their cars. It's become, he added without humor, "a running joke."

Blaming the chemtrail spraying for widespread respiratory problems and strange aches and pains that were suddenly endemic over a 50 mile area, more than 550 residents of this small Ontario community petitions to parliament to "ban all cloud-seeding activity by civil or military aircraft, foreign or domestic."

November 18

#### **"AIRCRAFT EMISSIONS" PETITION TABLED IN CANADIAN HOUSE OF COMMONS**

On behalf of his Ontario constituents, Member of Parliament Gordon Earle tells the House of Commons: "The petitioners call upon parliament to repeal any law that would permit the dispersal of military chaff or of any cloud-seeding substance whatsoever by domestic or foreign military aircraft without the informed consent of the citizens of Canada thus affected."

The Department of National Defense eventually replies: "It's not us."

**2000**

January 8

#### **MEAT TRUCKS AGAIN USED AS TEMPORARY MORGUES IN BRITAIN**

This season, the number of acute care patients who actually test positive for the flu declines, while refrigerated lorries are once again being used by the National Health Service as temporary morgues in a grim repetition of scenes outside hospitals last winter. Doctors say the mystery ailment is not the flu.



Grounded KC-135 tankers

March 2

**CHEMTRAILS VANISH AFTER TANKERS GROUNDED**

The Associated Press reports that hundreds of KC-135s had been grounded to fix problems in their tail feathers.

The next day, the Chemtrail Tracking Center In Houston finds that daily spraying over the USA has suddenly dropped from 24 to just two locations - where KC-10s had most likely taken over.

When the big jets return to service the following week, chemtrail sightings climb right back to previous levels.

May 15

**IPCC GEOENGINEERING STUDY: SUNSCREEN WILL SLOW GLOBAL WARMING**

Teller's computers and cohorts believe that 10 million tons of sunlight-reflecting chemicals spread in the atmosphere "would be sufficient to increase the albedo of the Earth by about 1%."

December 8

**FEDERAL AIRPORT OFFICIAL LEARNS CHEMTRAILS NOT SPREAD BY AIRLINERS**

At the Victoria International Airport in British Columbia, Canada, unsuspecting aviation Environment Manager Terry Stewart responds to a call the previous day from a local resident demanding to know why intense aerial activity left lingering X's, circles and grid-like plumes over the British Columbia capitol on December 6 and 7.

Stewart's brief reply ends the "airliner" argument: "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."

**2000**

Winter

**MARK STEADHAM'S HOUSTON CONTRAIL STUDY**

Using Flight Explorer software to identify the airliners and military aircraft passing Houston, Texas, Mark Steadham times their respective plumes.



Sample results:

12/02/00

11:00 am ~4-8 hrs. (military)

11:45 am ~2 minutes (commercial)

12/08/000

8:50 pm 10 seconds (commercial)

01:00 pm ~4-8 hrs. (military)

12/21/000

8:50 am 20 seconds (commercial)

09:00 am ~4-8 hrs. (military)

09:40 am ~4-8 hrs. (military)

10:10 am 20 seconds (commercial)

Confirmed contrail observations in study (46)

All confirmed contrails 15 seconds or less 72%

All confirmed contrails 30 seconds or less 80%

All confirmed contrails 2 minutes or less 96%

White plumes left by Military Aircraft: ~4 hours to 8 hours



### **CHEMTRAILS TEXTBOOK FOR KIDS**

*Centre Point Learning Science I Essential Interactions* science book I. Under "Solutions for Global Warming" section 5.19 features a photo of a big multi-engine jet with a familiar orange/red paint scheme. The caption reads: "Figure 1- Jet engines running on richer fuel would add particles to the atmosphere to create a sunscreen."

The logo on the plane says: "Particle Air".

**2001**

March 7

### **SMALL PARTICLES FORM HUGE OVERCASTS**

At the National Center for Atmospheric Research in Boulder, Colorado, Al Cooper studies the tiny particles that become nuclei for clumping clouds and raindrops. Spread a few extra nuclei like silver iodide into highly humid air and rainfall results. But in air not already swollen with moisture, especially in near-drought conditions, introducing too many particulates into the atmosphere to compete for a small amount of moisture can act like a sponge, resulting in decreased rainfall.

NOAA and NASA atmospheric studies such as TARFOX, ACE-Asia, ACE-I and II, INDOEX and Project SUCCESS have confirmed that the only way to form artificial clouds under conditions of low humidity and less than ideal temperatures is by dispensing additional particles from aircraft.



Jan 26, 2001 photo by Louis Nguyen

## **2001**

March 7

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March 12

### **AIR TRAFFIC CONTROL MANAGER, "DEEP SKY" CONFIRMS CHEMTRAILS**

In remote rural Maine, radio reporter S.T. Brendt and her partner count 30 big jets in 45 minutes. She finally reaches an Air Traffic Control Manager for the entire northeastern seaboard, who tells her that of the nine jets on his radarscope, she should be able to see only one from her location. Brendt calls the assistant WMWV news director, who takes the news staff outside. Together they count 370 lines in skies usually devoid of aerial activity.

Over three taped interviews, to which I contribute questions, the federal ATC manager we dub "Deep Sky" to protect his family reveals that chemicals sprayed by specially designated USAF tankers degrade Air traffic Control radar returns. When asked whether the air force spray tankers cross into Canadian airspace, he replies "yes."

When asked the purpose of these missions, the FAA official says he was told “weather modification” after a “higher civil authority” ordered him to divert incoming trans-Atlantic airliners around military formations flying over 37,000 feet on March 12, 20 and 21, 2001. The explanation told to controllers across the nation is later defined as “climate modification”.



Ontario –Jim Beck photo

May 28

### **CHEMTRAILS COULD BRING “STRATO BUGS” TO EARTH**

An NCAR bulletin says that microscopic bacteria and algae aloft in the upper atmosphere apparently “play a key role in the processes that create clouds and trigger rainfall.”

A surprising series of balloon flights made high above the U.S. during the 1960s collected stratospheric samples swarming with live bacteria and fungi, as well as viruses bigger than any known at the time. This three-quarters water world is brimming with the bugs, with coastal seawater containing as many as ten million large virus-like “nannobac” particles per quart.

The sub-microscopic strato-bugs could play an important part in triggering rainfall and altering climate. Inadvertently precipitating these living nuclei out of the sky with large quantities of free-falling chemical aerosols could cause drought.

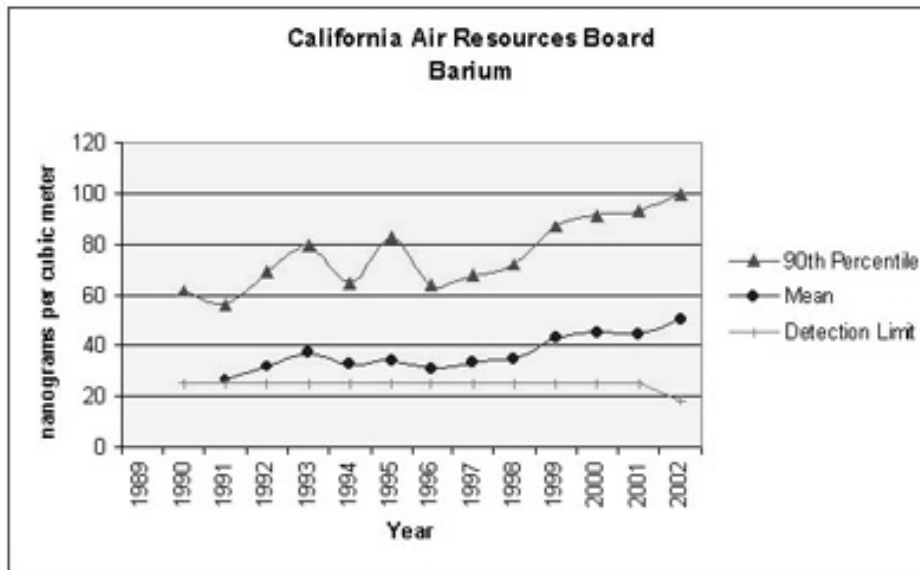
Professor Emeritus in the Department of Geology at the University of Texas at Austin, Dr. Robert Folk figures that these ultra-tiny creatures are “possibly an order of magnitude more abundant” than normal bacteria that swarm everywhere. Folk chooses a lightweight metal as a matrix to grow more bugs. Under electronic magnification, Folk sees The bacteria are feasting - he calls it “metabolizing” ... aluminum. “Fungi just love metals,” says one researcher.

But Wikipedia reports that these airborne nanobugs respond to Earth’s magnetic field to coordinate “nesting” and “gene expression according to the density of their local population.” Powerful Radio Frequency emissions reacting with the semi-conductor properties of Aluminum and Barium could disrupt nanobug populations responsible for much of Earth’s rain and weather.

July 19

### DYN-O-MAT TEST TAKES OUT THUNDERSTORM

Entering a thunderstorm 10 miles off West Palm Beach, a B-57 Canberra jet bomber chartered for one million dollars releases some 9,000 pounds of improved Dyn-O-Gel capable of 10-times stronger water absorption. Miami's Channel 5's weather radar shows the huge thunderhead losing moisture. Within seconds, the buildup vanished as one side of the cloud collapsed "like an avalanche", according to a chase plane cameraman.



July 20

### BARIUM LEVELS UP SHARPLY

California state officials cannot explain how barium levels have nearly doubled since 1991.

December

### SKY PLUMES INCREASE AS NASA FINDS CONTRAILS DECREASING

A NASA study of Contrail Frequency charts air traffic densities over the United States every five-minutes at 40-kilometer intervals. The Pacific Northwest has the most contrails. Other regions of high contrail frequency are central Canada and Midwestern USA, which see twice the number of contrails as the continental average.

But in December 2001 the distribution and magnitude of potential contrails "changed dramatically" NASA reports, as a result of radical, unexpected changes in weather patterns. In Portland and Seattle regions, contrail sightings plunge. But plumes in those skies remain heavy. 2001

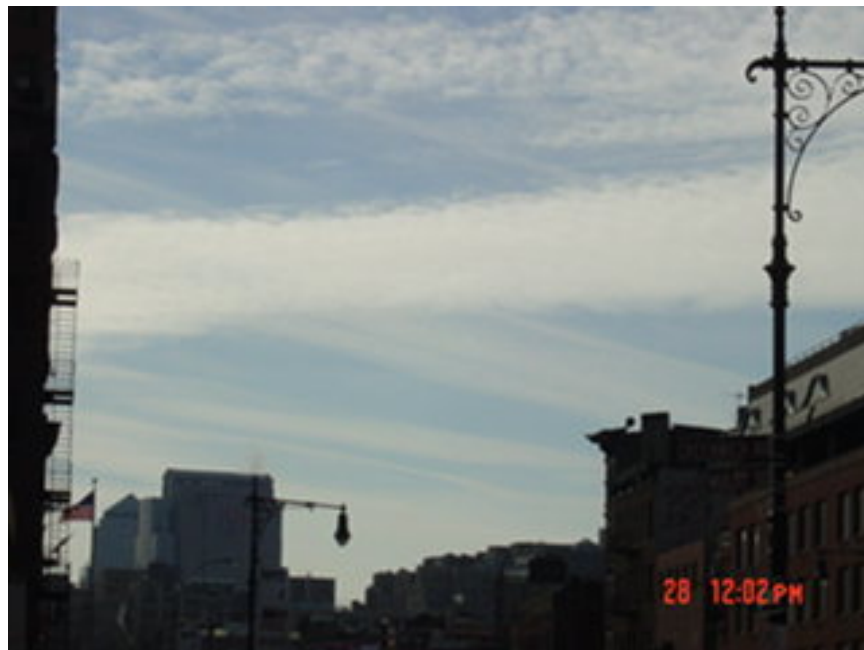
September, 5

### EFFECT OF ALUMINIUM ON PLANT GROWTH AND METABOLISM

Teresa Mossor-Pietraszewska, Department of Biochemistry, Institute of Molecular Biology and Biotechnology and Adam Mickiewicz University of Poznań in Poland describe the optical properties of atmospheric aerosols – "a wide range of particle types having different compositions, sizes, shapes, and optical properties."



Chemtrails over WTC – Glenn Boyle collection



Chemtrails Over WTC Ruins

September 11

### **9/11 CONTRAIL EFFECTS ON TEMPERATURE POINT TO CHEMTRAIL IMPACTS**

With airliners grounded and contrail activity suspended during the days following the terror attacks of September 11, 2001, temperatures increase by about .10 C. This is more than twice the average for regions in the United States where contrail coverage is heaviest: including the Midwest, Northeast, and Northwest regions.

After the resumption of normal air traffic and contrails, temperatures drop 0.80 C. A later Belgium study, "Contrail Science, Its Impact On Climate and Weather Manipulation Programs Conducted By The United States And Its Allies" says this is proof that contrails – and deliberate chemtrails – lower atmospheric temperatures. According to the research done for the eco watchdog Belfort Group, "storms and major floods have more than tripled since 1981."

If jet vapour trails are driving down air temperatures by more than one degree, even more reflective chemtrails must be having an even stronger effect.

Dr. David Travis worries "During this three day period we had a sudden drop in Global Dimming contributed from airplanes. The temperature range jumped by over a degree Celsius," he says. "If so much could happen in such a short time, removing just one form of pollution, then it suggests that the overall effect of Global Dimming on world temperatures could be huge."

Dr. Peter Cox worries that reducing air pollution could spike warming. "CO2 will be going up and particles will be dropping off and that means we'll get an accelerated warming," worries this climatologist. "We'll get a double whammy, we'll get, we'll get reducing cooling and increased heating at the same time."



October

### **HR 2977 SEEKS TO BAN CHEMTRAILS**

Introduced into Congress by Ohio Representative Dennis Kucinich, Space Preservation Act HR2977 calls for ban on 'exotic weapons'. Section 7 seeks specifically to prohibit "chemtrails". *Columbus Alive* asks Kucinich why he would introduce a bill banning so-called chemtrails when the U.S. government denies they exist and US Air Force calls chemtrail sightings "a hoax."

"The truth is there's an entire program in the Department of Defense, Vision for 2020 that's developing these weapons," Kucinich responds. As head of the Armed Services Oversight Committee he is well acquainted with chemtrail projects.

Late December

### **ATC FLIGHT CENTERS ACROSS UNITED STATES CONFIRM CHEMTRAILS**

An increasingly worried "Deep Sky" begins calling his colleagues at FAA flight centers across the United States to ask them if they are seeing what he was seeing on his own radar scopes.

They are. Controllers at Chicago's O'Hare (still the busiest airport in America), all three New York City area airports, LA's LAX, San Francisco, Jacksonville, Cleveland, San Diego, Dulles, Washington DC and the nation's biggest airport in Atlanta all report tracking unusual formations of particle-emitting Air Force tankers on their scopes.

So are controllers at smaller municipal airports.

Every controller contacted by Deep Sky is being told to divert commercial traffic below formations of tankers flying strange patterns said to be "routine". The controllers have never seen so much "clutter" or artificial "cloudiness" obscuring their radars. At least one concerned controller working in America's heartland visits a local hospital after heavy tanker activity to find the emergency room jammed with acute respiratory cases.



Checkerboard view from train to Calais, France

**2002**

January 14

**TELEVISION WEATHERMEN DESCRIBE "CHEMTRAILS"**

Baltimore's WJZ-TV report includes visual of "last Thursday morning's chemtrails seen in the sky." The story is almost identical to one broadcast by Orlando station WOFL in July 2000.

January 24

**HR 3616 REPLACES HR 2977 - OMITTS "CHEMTRAILS"**

According to Kucinich, under intense political pressure all references to chemtrails, HAARP and other weapons capable of planetary destruction are removed from HR2977. A replacement measure-HR 3616-no longer refers to "chemtrails".

**CHEMTRAILS SCIENTISTS DISCUSS PROGRAM**

Two scientists working at Wright Patterson Air Force Base inform *Columbus Alive* of ongoing secret experiments - one involving weather modification and the other involving the creation of an aerial antenna using barium stearates. The scientists refer to the work of legendary inventor Nikola Tesla. According to Tesla biographer Margaret Cheney, federal agents seized Tesla's papers after his death in 1943. "[At] least one set of Tesla's papers had reached Wright Field (now Wright Patterson Air Force Base)," Cheney wrote.

Known as the "Tesla Center", Ohio's Wright Patterson Air Force Base is the reputed repository of that energetic inventor's prodigious papers and patents. One of the chemtrails scientists reveals that HAARP is used to guide low-pressure systems "picked up" over Canada, and guided south over the Midwestern United States.

Tesla's dream is embodied in a glossy brochure titled Vision for 2020 released by the U.S. Space Command in 1998. The brochure states, "The emerging synergy of space superiority with land, sea and air superiority will lead to Full Spectrum Dominance."

Father's Day

### **EDMONTON ATC TRACKS U.S. SPRAY TANKERS ON RADAR AND VISUALLY**

Dave Dickie's World Landscapes company performs contract landscape work for the City of Edmonton. Soils analysis come back with a high EC rating 4-7 (toxic). This does not make any sense. City specifications call for a reading no higher than 1.

Puzzled by lab tests showing extremely high electrical conductivity in city soils stunting and killing plants, Edmonton landscaper Dave Dickie wonders if there is a connection with the persistent chemical plumes he's seeing overhead.

At the Edmonton airport on Father's Day 2002, Dickie and an excited group of 12 year-olds watch two KC-135 tankers dubbed "Petro 011" and "Petro 012" being 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 have flown south out of Alaska. As Dickie, the kids and the controllers watch, the big jets began making patterns over Edmonton - "circuits" the controllers call it. Both Stratotankers are working alone in "commanded airspace" from which all other aircraft are excluded. And they are leaving chemtrails.

"The signature is significant," comments a radar operator, pointing to a trail clearly visible on the scope that extends for miles behind the KC-135. In contrast, a JAL flight on the display leaves no contrail. Going outside, Dickie and several controllers scan clear blue skies. They easily locate the KC-135 leaving a broad and lingering white plume signature. They also clearly see the JAL airliner at a similar flight level. It's leaving no contrail at all.

November 14-23

### **EDMONTON LAB TESTS CHEMTRAILS SAMPLE**

A \$33 lab test of snow samples collected in a sterilized container confirm elevated levels of aluminum and barium. Norwest Labs lab report #336566 finds:

- \* aluminum levels: 0.148 milligrams/litre
- \* barium levels: 0.006 milligrams/litre

### **RUSSIAN DUMA WANTS HAARP STOPPED**

Russian Duma deputy Solomatin warns, "The operators of such a weapon are able to program floods, tornados storms and even earthquakes in any region of the planet."

The Russian government further alleges that "the scientifically incomprehensible apathy of entire peoples in the post-Soviet territories can be connected to testing by the USA of such geophysical weapons at low power." Referring to the 1970 convention signed by the USA prohibiting atmospheric modification, the Russian parliament is seeking a global ban on all HAARP tests.





Portland, Oregon January 2003



Amsterdam January 29, 2003



Kanab, Utah July 2003



Sydney, Australia May 2003

## 2004

August

### HURRICANES FRANCES AND IVAN SPRAYED

Just before Hurricane Frances hits Florida, its central eye suddenly expands from the usual 20 miles across to 70 nautical miles wide. "That is just unbelievably large," exclaims a CNN affiliate out of Jacksonville. "And it's moving unbelievably slow. If it's going five, they say eight miles an hour, it could take 10 hours for the eye to go through. I mean that's crazy."

It takes 13.

On hurricane watch at Juno Beach just north of West Palm Beach, WFOR-TV's Dave Malkoff is drawn to something on the water. "Gel foam down here on the ocean," Malkoff tells viewers. "Once these waves crash, you're going to see something interesting. Once the waves crash they instantly mix with foam-watch! That's the foam right there. And it instantly turns into like a foam that you would have in your bathtub, and it blows away like a solid. Instantly, this foam that's coming off the ocean mixes with the sand and is blowing down this way."

Soon afterwards, a CBS-affiliate reports from Pompano Beach: "White foam all across the water. And it is not blowing away." The news reports remind me of an item posted on Moonbow Media: "On July 19, 2001, ABC News reported a similar story of gelatinous 'goo' again washing up on beaches in West Palm Beach, Florida. The substance was identified as Dyn-O-Gel."

As for Ivan, TV commentators call it "strange" when this new hurricane abruptly turns away from making direct hits on Jamaica and the Caymans. As Ivan approaches the US Gulf Coast, a "dry air incursion" opens a wide boulevard into the eyewall, causing it to collapse. As the eye reforms and the storm wobbles toward the east, Ivan's entire southwestern quadrant becomes jagged, misshapen and devoid of rain.

The previous month, the US Air Force admitted to CNN that it had broken up a storm over the Atlantic using products made by a company called Dyn-O-Mat.



Betting the Earth: chemtrail grid over Las Vegas

October

### **RAYTHEON HEADS WEATHER WARS**

Raytheon Corporation, the world's fourth largest military weapons maker, buys the HAARP patent. Raytheon and Northrop Grumman run the US Air Force aerosol programs for radar-weapons conductivity enhancement. Raytheon owns General Dynamics, the number one military UAV maker and now reports the weather for NOAA through Raytheon's Advanced Weather Information Processing System computers linked with their UAV weather modification units and radar weaponry.

NOAA gives them more than \$300 million for this currently active 10-year project. According to *Business Wire*, the Joint Environmental Toolkit programs will earn Raytheon over \$10 billion by 2006 to be used by the Air Force Weather Weapon System.

NOAA is a member of the Weather Modification Operations and Research Board. The government agency responsible for reporting the weather sells this function to Raytheon, which operates it now under the name Advanced Weather Information Processing System. Unmanned Autonomous Vehicles include the airliner-size Global Hawk that can fly for 72 hours with a payload of 20,000 pounds of nano-chemicals operated entirely by onboard programming



#### **HOLLYWOOD CHEMTRAILS SCRIPT**

William Thomas is asked by a Hollywood producer to write a chemtrails script. My *Maelstrom* screenplay is the fictionalized story of a desperate bid by rogue Pentagon and Intelligence insiders to head off catastrophic Global Warming by secretly spraying sunlight-reflective chemicals. But the massive Air Force operation backfires spectacularly, triggering massive storms and sickening thousands of Americans on the ground.

With truckers blocking access to a major spray plane base and their scheme

unraveling, two renegade generals decide to mount a Maximum Effort Mission that guarantees disaster, as three reporters desperately try to learn the truth in time to stop this small group of Pentagon insiders from destroying the world while trying to save it.

In a crisis of conscience, a project scientist, an Air Traffic Control manager and the general in charge of covert chemtrails flight operations decide to come forward. As the plotters move quickly to eliminate everyone with knowledge of their scheme, the general who has turned against them takes to the air with armed F-16s to intercept the tankers before they can dispense a deadly new mix of chemicals over American cities and towns. But the general's wife - who is leading the tanker mission in defiance of his orders - refuses to back down.

## **2005**

### **“CHEMTRAILS” PURSIED IN ITALIAN PARLIAMENT**

Deputies Italo Sandi and Piero Ruzzante raise chemtrails questions in the Italian Parliament. Their political associates Asimina Xirotiri and Fotis Kouvelis will later put the issue before the government of Greece.

December 7

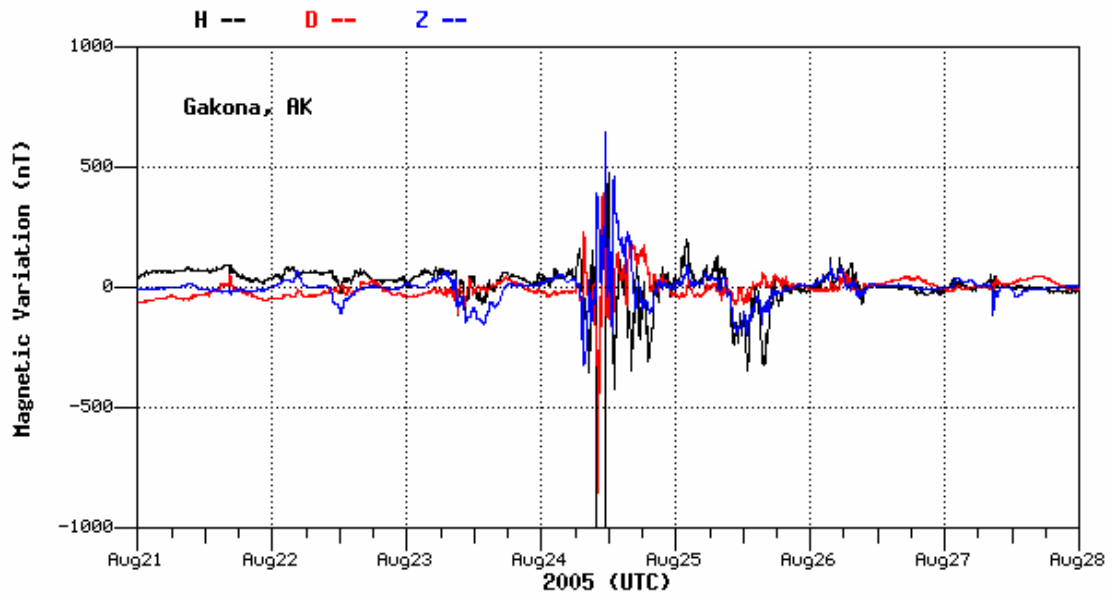
### **AIR FORCE PILOT ADMITS CHEMTRAIL SPRAY PROGRAM**

A former Air Force pilot tells a reporter, “Yeah, we have them, but were not supposed to talk about it.”

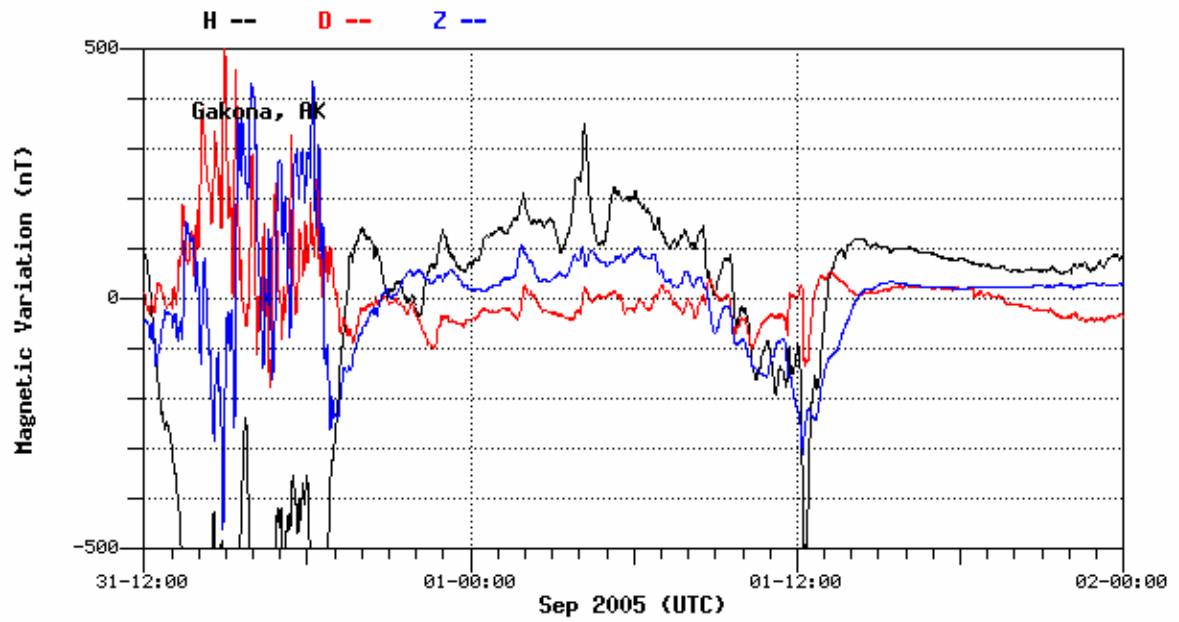
April 17

### **HAARP STEERS KATRINA USING CHEMTRAILS**

HAARP's magnetometer chart spikes right before Katrina makes landfall in Florida as giant C-141 transports dumped chemicals into its eye. According to an insider, anchoring HAARP transmissions on the seabed will bounce the approaching hurricane away from Texas like a bumper in billiards.



Florida landfall



New Orleans landfall



Bush fails to respond to Katrina's devastation



RTV broadcast "outs" chemtrails in Germany

September 25

#### **CHEMTRAILS AIR ON GERMAN NATIONAL TV**

(English translation of German broadcast:) "Suddenly a meteorological radar registers the presence of a cloud, but it's not clear how did this happen? The answer seems to be that this was the result of a military experiment. The military planes of the German Federal Army are manipulating our climate... Sinister clouds up to 350 km long appear all of a sudden on the radar, but only on the metrological radars."



San Diego October 2006

## **2006**

May

### **CONCERNED CANADIAN SCIENTIST FEARS ATMOSPHERIC "BLOW-OUT"**

Neil Finley discovers that a 3-degrees Ft temperature drop every decade at an altitude of 40 kilometers has so far resulted in "about a 10% cooling of the stratosphere" Finley fears millions of tons of aluminum oxide in chemtrails and solid-fuel rocket exhausts is eating an ozone layer that, if compressed at sea level would be no thicker than the 0.1 inch gap in a spark plug). Comparing the chemtrail and shuttle-shredded ozone layer to "a tire being eroded to core," Finley warns that an atmospheric "blowout" could be fatal to life on Earth.

July

### **ASTHMA RATES SKYROCK**

Incidence of Asthma has tripled in young women and doubled in young men since the chemtrail spraying started in the mid 1990's. The number of children suffering from asthma has shown a massive rise in the past eight years: BBC Mar 14/00]

According to the World Health Organization, more than 4.5 million people die each year from industrial and vehicle emissions and from burning fuels indoors. Medical experts say, "A Nagging Cough May Lead to Depression". [WebMD Medical News May 24/05]

### **LUNG CANCERS SURGE ACROSS USA**

Typically there are approximately 175,000 new cases of lung cancer each year in the United States. So far this year, just for the months of January and February, the CDC is already reporting 172,000 new cases of lung cancer.

October 14

### **TINY PARTICLES CAN KILL**

“Scientists and the EPA report that because Particulate Matter and sub-micron pollution particles bypass lung filters and enter the blood stream, they cause radical changes in the endocrine and nervous systems. They can trigger high blood pressure and cause heart attack within two hours of inhalation. They cause the blood to become sticky, making it tougher for the heart to pump and increasing the risk of blood clots and vessel damage,” Amy Worthington reports. Researchers document "a significant increase" in the number of stroke victims when pollution levels rise.:

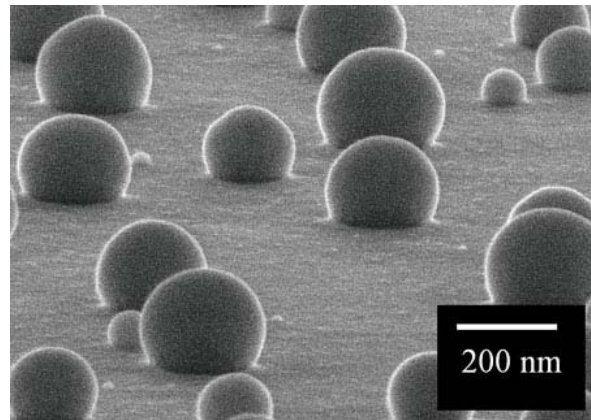
Particulate matter consists of tiny particles 10 microns or less - less than 1/30<sup>th</sup> the diameter of a human hair. “These particles can lodge in the deepest part of your lungs; and over a period of time, they can damage lung function. This kind of pollution, that we breathe daily, can and does cause various upper respiratory illnesses, coronary heart disease, and premature aging and death. Particulate matter can also exacerbate any existing illness,” reports the *New York Times*. “They penetrate deep into the lungs and circulatory system and have been implicated in tens of thousands of deaths annually from both respiratory and coronary disease.”

Make that more than a million deaths annually worldwide.

### **TINY PARTICLES CAUSE NEURAL DISRUPTION**

Neural transmitters play a critical role in normal brain functioning. They are easily disrupted.

Changing the levels of a single neural transmitter with electromagnetic fields and chemical toxins can upset the chemical balance of the entire brain. We're talking 100 billion neurons - each with 50,000 synapse connections. Nanoparticles 80,000 times smaller than the width of a human hair travel from the nose to the olfactory centre of the brain after being inhaled, PubMed reports.



Dr. Hildegard Staninger reports that “exposure to aerial emissions of nano composite materials resulted in cholinesterase inhibition” in the brain, plasma produced by the liver and red blood cells.







Will Thomas points to chemtrails over Capitola, California May 2006 –K. Nevis photo

**2007**

Feb 27

**CHEMTRAILS AIRS NATIONWIDE ON THE DISCOVERY CHANNEL**

With the show's field producer this first-ever television special on chemtrails will be "spectacular," after more than eight years of controversy and censorship, the Discovery Channel brings "chemtrails" into living rooms across North America.

The producers ask: "What is in those fuel emissions, and what causes them to linger for hours and link up with one another like a ghostly blanket that seems to affect the weather and perhaps our health?"

Are lingering jet trails seen by millions of people "potentially toxic 'chemical trails' emitted intentionally as part of secret geo-engineering experiments or weather-weaponisation tests?" The program features an extended conversation with the original chemtrails investigator William Thomas.



Ohio

May-June

### **POLYMERS ARE FOREVER**

"Any idea what these are?" asks University of Plymouth marine biologist Richard Thompson, stooping to examine something on a U.S. beach.

About one-third turn out to be natural fibers such as seaweed. Another third are plastic. The remaining third are unknown – meaning either that the scientists cannot find a match in their polymer database, or that it's too small for their machine - which analyzes fragments only to 20 microns. When hydrocarbons photo-degrade, ultraviolet solar radiation weakens plastic's tensile strength by breaking its long, chainlike polymer molecules into shorter segments.

"Plastic is still plastic. The material still remains a polymer. Polyethylene is not biodegraded in any practical time scale. There is no mechanism in the marine environment to biodegrade that long a molecule," Thompson tells *Orion* magazine.

### **2008**

January 25

#### **"CHEMTRAILS CONSPIRACY" FINALLY LISTED ON WIKIPEDIA:**

"The Chemtrail conspiracy theory claims that some trails left behind jet aircraft are different in appearance and quality from those of normal contrails, may be composed of harmful chemicals, and are being deliberately produced, and covered up by the government," Wiki reports.

#### **LOUISIANA BARIUM FALLOUT MAKES TV NEWS**

A KSLA news investigation finds that a substance that fell to earth from a high altitude chemtrail contains high levels of Barium (6.8 ppm) and Lead (8.2 ppm). The newscast focuses on Barium, which the news station's own research shows is a "hallmark of chemtrails."

The barium levels in its samples at 6.8 ppm are "more than six times the toxic level set by the EPA." The Louisiana Department of Environmental Quality confirms that the high levels of Barium are "very unusual."

October 2

#### **MONSANTO ANNOUNCES ALUMINUM-RESISTENT GMO SEEDS**

Monsanto announces its genetically modified, Aluminum Resistant Seeds. One of the main inhibitors for plant growth is aluminum in soil.

### **2009**

April 18

#### **PRESIDENT OBAMA CONSIDERS CHEMTRAILS**

Incoming White House science adviser John Holdren uses his first interview to announce, "Global warming is so dire, the Obama administration is discussing radical technologies to cool Earth's air."

Holdren says that the Obama administration is considering "last resort" technologies to chill the global greenhouse. Referring to "radical" technologies that include spreading a sunlight-reflecting artificial cloud cover, Holdren declares, "It's got to be looked at. We don't have the luxury of taking any approach off the table."

### **FORMER WEATHERMAN DESCRIBES CHEMTRAILS**

Former TV meteorologist Scott Stevens was fired when he began giving national radio interviews on chemtrails. He took his severance and moved to the foothills above Denver International Airport, where he now conducts plain-sight research into chemtrails full time, maintains the chemtrails site [weatherwarsinfo.blogspot.com](http://weatherwarsinfo.blogspot.com).

"I don't buy the theory that chemtrails are a pathogenic depopulation program," says Stevens. "You don't need to get so high in the atmosphere for that. And you don't need airplanes."

Instead, he suspects a global cabal is using chemtrails to maintain "situational awareness" of the atmosphere to better anticipate and control the weather. "There isn't a major weather event that can't be mitigated or exacerbated," he says. "The chemtrails allow them to take a sort of MRI of the atmosphere." Stevens believes President Barack Obama has been fully briefed on the chemtrails program.

April 19 & June 17

### **CHEMTRAILS COULD CAUSE DRAUGHTS AND FAMINE**

Rutgers University professor Alan Robock insists that further tampering with Earth's interlocking atmospheric processes could create famines and droughts, threatening the lives of no less than one in every three persons on Earth.

Robock should know. He worked on the Global Dimming dilemma with Prof. Farquhar. Now this Rutgers University professor declares that geoengineering experiments (a.k.a. stepped-up chemtrails) "could create disasters, damaging the ozone layer and potentially altering the stratosphere by eliminating weather patterns such as the annual Asian monsoon rain season, which two-billion people rely upon to water their crops and feed the population. "Imagine if we triggered a drought and famine while trying to cool the planet," Robock worries.

"If you fiddle with the radiative balance of the planet, you affect all sorts of circulation patterns like monsoons, which would have horrible effects on people," concludes climatologists Dr. Peter Cox of Britain's Hadley Centre Met Office. Dr/ Cox worries that Global Dimming has led scientists to underestimate the true power of Global Warming. He tells the BBC there will be a surge in global warming if industrial aerosol pollution is curtailed.

October 27

### **GERMAN COMMERCIAL PILOT REPORTS IN-FLIGHT CHEMTRAIL SPRAYING**

"After taking off from Frankfurt airport ... we were in cruise climb north of Nuremberg. It was the afternoon around 14.00 clock. The visibility was very good. We did not fly through clouds. On that day over Germany ruled vast high-pressure weather.

"On the so-called TCAS (Traffic Collision and Avoidance System) - a monitoring instrument that can monitor the airspace around your aircraft - then we noticed a trail on the right of us and above us. The weather was good. We were visually looking for the expected traffic crossing over us. This was not long in coming.

"Chemtrails brought by two cargo planes of the type C-17 Globemaster from the wings. These were a heavy transport aircraft of the American-type C-17 Globemaster at a height of 18,000 feet.

"The plane [had] a thick 'contrails' left behind. At this altitude and the prevailing season a 'not to be expected phenomenon'. Aircraft that flew in the thick air space still much higher and still seen clearly were moving [with] no contrail behind it. So there must have been a spreading of this material, which cannot be explained by the conventional engine exhaust.

Was the streaking from the Globemaster's engines? He said, "Absolutely not!" The substances that made up the described Chemtrails were formed, from nozzles in the wings of the cargo planes, probably near the range of engines.

"In my daily professional life [as a pilot] I realize that this 'spraying' has grown significantly. This spreading, which are often referred to by the media as 'high fog', I have seen all summer of 2009, mostly at altitudes of 18,000 feet -35 000 But every day I see planes in the sky high, sometimes at close range if they cross the flight paths. One can clearly see how a contrail looks like [and] a chemtrail looks like. Especially the behaviour in the air can be distinguished. While a vapour trail is somewhat light and thin, and evaporates usually quite fast, seen chemtrails [are] heavy, slow and somewhat dense... Then we come back hours later to land, the chemtrails still exist and have spread to a large gray fog...

"If we are in cruise, we fly sometimes for hours in and about these 'high fog-fields'! Such observations as I have made many times... I have the impression that more and more frequent and more will be sprayed. This is of course difficult to prove, but I think I have it right. "

## 2010

### ARIZONA AIR PARTICULATES OF ALUMINUM AND BARIUM SURGE

These Arizona lab tests indicate how many times they are over the allowable toxic limit:

Aluminum:	15.8
Barium:	5.3

March 23

### GEOENGINEERS SCRAMBLE TO CASH IN

200 scientists gather at the Asilomar resort in California to discuss ways to cash in on global warming by proposing various schemes for Solar Radiation Management. The conference is organized by the Climate Response Fund founded by Margaret Leinen, a scientist with commercial interest in a company doing geoengineering.

According to the Belfort Group, the conference discusses putting 20 million tons of aluminum into the atmosphere. Ken Caldeira declines his invitation, telling Wired.com that he prefers governance meetings held by "established professional societies and non-profits without a stake in the outcomes." Caldeira had earlier told the press, "There is no doubt that the environmentally safest path is to avoid emitting greenhouse gases in the first place."

Outside the meeting, geoengineering booster David Keith tells chemtrails protesters that he would take a look at citizen tests showing aluminum, barium and other elements showing up in water, air and soil. Keith says children should have a say whether geoengineering should be deployed. He suggests a public referendum – but goes on to say that not everyone should have a say, citing torture and nuclear weapons as examples of things kept secret for "the better good".

August 25

### UK SCIENTIST WARNS OF 'ENORMOUS' GEOENGINEERING RISK

"Substituting geoengineering for greenhouse emission control would be to burden future generations with enormous risk," said Svetlana Jevrejeva of the UK's National Oceanography Centre.

September 19

### **U.S. NAVY ATTACKS EAST COAST WITH ALUMINUM-DISPERSING ROCKET**

The navy's rocket is launched from Virginia to spray an artificial cloud of aluminum oxide some 500 miles above the east coast. (The highest natural clouds are about 50 miles.) As Patrick Pasin, producer and director of "Bye Bye Blue Sky" reports, the navy causes a large cloud shadow that brings early snow to the east coast. Even Baltimore has snow and has to ask Canada to borrow some snow plows. Following Pasin's public report, the US Naval Reserve quickly removes this project from their web site

October

### **BIOLOGICAL DIVERSITY CONVENTION SAYS GO SLOW ON GEOENGINEERING**

The Convention on Biological Diversity in Nagoya, Japan unanimously passes Resolution X/33, calling for implementation of the Precautionary Principle before proceeding with planetary geoengineering. The principle stipulates that the risk of harm precludes going ahead.

**2011**

May 28

### **LAWSUITS FOLLOW INTERNATIONAL CHEMTRAILS SYMPOSIUM MEETS IN BELGIUM**

The mayor of Ghent, Belgium welcomes participants to the Belfort Group's international Symposium on "The Illegal Spraying Of Harmful Substances In The Atmosphere By Airplanes Also Known As 'Chemtrails'."

A 300-page scientific report (with 177 footnotes) called *Case Orange* was compiled "on behalf of the Belfort-group and of humanity by a team of experts" with relevant aviation backgrounds. "The authors are inside experts. They know what they are talking about!" symposium organiser Peter Vereecke declared. He has personally delivered the "Case Orange" document to the Brussels headquarter of UNO and NATO, as well as the embassies of the USA, UK, Germany, France, Iran, Russia, China and Venezuela. Vereecke also sent it to all press agencies and all embassies.

On August 17, 2009 Peter Vereecke had "personally lodged a complaint with the Belgian Justice department against the intentional and systematically spraying of heavy metals, chemical substances and virological filth into our atmosphere." As a result, he reports, since October 2009 there is "an ongoing investigation into this matter."

The former mayor of Evergem and founder of the Belfort-group is now preparing to lodge two additional complaints with the International Court of Justice, The Hague and the European court of human rights in Strasbourg.

Sept 22

### **MAUI RESIDENTS CRAFT LEGISLATION TO BAN GEO-ENGINEERING 'CHEMTRAILS'**

*The People of the County of Maui hereby propose the following ordinance to preserve clean skies over the islands of Maui, Molokai, Lanai, Molokini and Kahoolawe. It reads in part:*

*No entity may engage in disbursement of aerosols, chemicals or any particulate matter into the skies that may enter into the breathing atmosphere, enter into the rain or land on the soils of Maui County, or engage in geoengineering, climate engineering or any other activity that may alter the weather or alter the sunlight of Maui County, without first presenting an Environmental Impact Statement that has been approved by the Maui County Council, and receiving the written informed consent from the Maui County Council.*

November 14

### **FUKUSHIMA FALLOUT COMING DOWN WITH CHEMTRAILS?**

In Vancouver, Canada, Barry Davis worries: "You can bet that Chemtrails have picked up the Nuclear fallout from Fukushima.

December 1

### **FORMER FBI HEAD SLAMS CHEMTRAILS**

Former head of the FBI in Los Angeles Ted Gunderson denounces chemtrails as "The death dumps."

### **AEROSOLS SLOW WINDS, REDUCE RAIN**

Winds that blow near the surface evaporate water, helping build rain clouds. But aerosolized particles in the atmosphere reduce the speed of winds closer to Earth's surface, resulting in less wind power available for wind-turbine electricity and also in reduced precipitation.

"These aerosol particles are having an effect worldwide on the wind speeds over land; there's a slowing down of the wind, feeding back to the rainfall too," says Assoc. Professor Mark Jacobson. "We're finding a reduction of rain, and that can lead to droughts and reduction of water supply."

Aerosol particles floating in the atmosphere absorb or scatter solar radiation, and prevent it from getting to the ground. This cools the Earth's surface and reduces daytime vertical convection. Jacobson calculates winds are up to 8% slower in California. And aerosol particles may be responsible for the slowing down of winds worldwide. Wind supplies about 1% of global electric power. "The more pollution, the greater the reduction of wind speed," Jacobson says.

Aerosol reduction of the wind may also explain the reduction in the Asian seasonal monsoon and "disappearing winds" in China.

Moreover, accumulating aerosol particles in the atmosphere make clouds last longer without releasing rain. Because moisture has to deposit on more particles, it's spread thin, forming smaller droplets. Smaller droplets take longer to coalesce and form raindrops. Rain may never fall because more persistent clouds can move into drier air zones and evaporate.

"In California, [the wind reduction] may imply a 2 to 5 percent reduction in water supply, which translates into 0.5 to 1.25 million acre feet less a year" Jacobson says. With its growing population, the state already required an additional 4 to 6 million acre feet of water supply by 2010, according to the Association of California Water Agencies. "The aerosol pollution in California could be causing an annual loss of water supply equivalent to the storage in the planned upper San Joaquin River dam, with a capacity of 1.3 million acre feet," Jacobson says.

And California is the only place subjected to heavy chemtrailing.

**2012**

February 14

### **GREENPEACE PICKETED IN GERMANY**

The citizens' Initiative "Sauberer Himmel" demonstrates in front of Greenpeace's headquarters in Hamburg, demanding action from Greenpeace.



August 3

### **SUNSHADE TO FIGHT CLIMATE CHANGE COSTED AT \$5 BLN A YEAR**

Planes carrying sun-dimming materials into the stratosphere for less than \$5 billion a year to slow climate change is far cheaper cutting greenhouse gas emissions, U.S. scientists urge.

Transporting one-million tons of particles to at least 11 miles above the Earth every year to form a sunshade is "both feasible and affordable" they conclude in *Environmental Research Letters*.

If it works... The authors do not examine whether changing global rainfall patterns is a good idea. David Keith tells Reuters that it might "increase agricultural production by limiting impacts of climate change such as heat stress" – while ignoring the ongoing devastation of plants from pH-altering, electrically conductive barium fallout.

August 17-19

### **LOS ANGELES CHEMTRAILS CONFERENCE AIRS GLOBALLY**

The three-day "Consciousness Beyond Chemtrails Conference" is held at the historic Ebell Theater. On hand to address attendees, as well as "streaming" online audiences around the globe are Clifford Carnicom, Scott Stevens, William Thomas, former Congresswoman Cynthia McKinney and other luminaries of the chemtrails movement, including Dane Wigington. Film-maker Michael Murphy, whose feature video, "What In the World Are They Spraying?" went quickly viral, premiere's his latest film, "Why In The World Are They Spraying".

### **GEOENGINEERED SNOW STORMS WREAKING HAVOC AROUND GLOBE**

Snow storms are being engineered with well-established weather modification processes, including two patents for the process of "artificial ice nucleation for weather modification." The Chinese government openly admitted they are creating "artificial snow storms" –before changing their minds.

Radar images of rainstorms show the precipitation "flash out" to snow for no apparent reason, writes Dan Wigington at globalengineering watch. Many of the snow events occurring around the US... are amazingly still occurring at above freezing temperatures. Mix the chemicals and you have ice" – even at temperatures far above freezing. "When ice nucleation is imposed on the atmosphere the entire hydrological cycle is disrupted," he warns. "This means less precipitation in any form, rain or snow."

"It was comical if not completely tragic watching the local TV 'weathermen' trying to explain just how it was going to snow so much when only days earlier Redding California was almost 75 degrees." Snow fell over the upper Sacramento Valley, "even with temperatures in the upper 30s to low 40s" as 30 to 40 mile an hour winds mysteriously died down.

"Diminished wind is also a known consequence of atmospheric aerosol saturation/geoengineering spraying," Wigington adds. "The approaching storm brought skies full of jet dispersed geoengineering trails which covered the entire horizon in short order. A sickly colored light penetrated this toxic canopy from the early morning hours."

Later in the night, the frequency of collapsing trees somewhere in the distant dark was almost overwhelming. The only other sound that broke the silence constantly was the continual parade of jets overhead in the clouds, so close and low during the storm.

At 5 am, Wigington "could already see broken trees from the massively heavy concrete snow that had apparently started some hours earlier in the night, though the temperatures were still slightly above freezing." The "heavy wet snow sticks like glue to everything it hits... It does not sluff off the trees but only sticks and builds."

**2013**

January 8

**CLIMATOLOGIST FILES SUIT AGAINST MILITARY WEATHER MODIFICATION**

After appearing on national television exposing chemtrails over Germany, Karsten Brandt files a lawsuit to stop the spraying. Dr. Brandt holds a doctorate in the field of Climatology.

Johannes Remmel, Minister for Climate Protection, Environment, Agriculture, Conservation and Consumer Affairs of North Rhine-Westphalia and parliamentary manager of the Green Party in the state parliament, supports the 'suit. Remmel explains, "It's obvious that enormous regions are being polluted with clandestine actions, but all of this has to be made public. The government must provide explanations to the unsuspecting population."

January 10

**ALUMINUM FALLOUT DEFILES ON MT. SHASTA**

Dozens of snow samples taken from the side of Mt. Shasta show aluminum as high as 61,000 ppb (parts per billion). "This level of aluminum in the snow is tens of thousands of times anything that might be considered 'normal background' contamination," Dan Wigington reports. Long-considered sacred by native peoples, Mt. Shasta is said to have welcomed survivors of a worldwide flood described in legends around the globe.

As the extinction rate during human-propelled Sixth Great Extinction Event jumps from 100,000% to 1,000,000% normal background rates, atmospheric aerosol saturation is diminishing winds and precipitation leading to changes in ocean currents that "are already delivering warmer waters to regions with vast undersea methane deposits," Wigington worries. Over a century, methane is 20-times stronger as an atmospheric heat-trapping than CO2. But over a 10 year time horizon, methane is at least 100-times more potent.

Meanwhile, rising levels of CO2 pollution are acidifying the ocean at a rate that is alarming scientists, who are calling for "emergency wartime scale geoengineering to avert" the "planetary catastrophe" that will only be hastened by geoengineering.

"The climate now 'swings' radically from one extreme to another. It is now common to have spring-like temperatures one day and snow (likely artificially nucleated) the next. These 'swings' or 'fluctuations' are getting ever more severe," Wigington reports from northern California.

January 18

**ERRATIC JET STREAM BRINGS ERRATIC WEATHER ACROSS USA**

To Wigington and many others, "the ongoing weather manipulation is looking increasingly desperate."

"The energy and moisture of many 'winter' storms now come straight from the Gulf of Mexico," observes geoengineering watcher Dan Wigington. "Why are low pressure systems from the Gulf now regularly 'changing over' to snow at such unusually warm temperatures? Once a rarity, 'thunder snow' is now becoming the norm, as are above freezing temperature snow storms. The Weather Channel now often terms this 'heavy wet snow' which typically does tremendous damage to trees, power lines, etc.

There is a significant global warming component to increasingly wild winter weather, as well. According to weather experts, "sudden stratospheric warming events may be related to an increase in fall snow cover across Eurasia.



The increase in snow cover has in turn been tied to the rapid loss of Arctic sea ice, since the increase in open water in the fall means that there is more atmospheric moisture available to fall as rain or snow.”

With atmospheric “forcing” (warming) pushing the entire planet toward a climactic Climate Chaos Event - in which decades of warming suddenly flips climate into simplified states of permanent floods, droughts and disrupted growing seasons like a slowly squeezed trigger going *BANG!* – why push such nonlinear processes toward an unpredictable outcome of cascading events with massive aerosol spraying?

Who will stand to protect the offspring of all species?

