

**PERSISTENT JET CONTRAILS & MAN-MADE CLOUDS  
CHANGE OUR CLIMATE  
HARMING AGRICULTURE & OUR NATURAL RESOURCES**

<http://newswithviews.com/Peterson/rosalindA.htm>  
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**By Rosalind Peterson     July 12, 2009**

It is sometimes difficult to separate out fact from fiction and beliefs. It is even more difficult when United States citizens live under a government which classifies as "secret" more and more information with each passing day. In addition, many government agencies, scientists, and researchers decide that certain information should not be given to the public because they know that the public would say "**NO**", to many of their experiments or actions.

Thus, unraveling exactly why jet contrails began to abnormally persist and turn into white haze and man-made clouds, since the late 1980s, has been difficult...requiring hours of research into government documents, university studies, and following every lead to find answers to these questions. What we do know and can prove has broad implications for human health, agriculture crop production, the health of the earth's pollinators, lack of photosynthesis (direct sunlight needed for all trees and plants to grow and produce crops), and climate change. The following is a brief history of persistent jet contrails and man-made clouds:

- 1) Jet engine produced contrails now may persist and turn into white haze and man-made clouds. This change began to be noticed across the United States, in the late 1980s, when reports began to be published regarding the unusual persistence of contrails, captured in pictures and videos that began to reflect their presence. Increasingly, as time passed, more and more reports and questions regarding the number and type of jets leaving persistent jet contrails surfaced. (5)
- 2) Thousands of pictures and videos were placed on the Internet and in local newspapers, with questions about the different types of jets (many unmarked), leaving contrails, unusual cloud patterns, black contrails, brown clouds, the persistence of contrails for hours (one contrail can last for up to twenty hours or more and cover thousands of square miles - NASA), white reflective haze, and other types of unusual man-made cloud formations. (Discovery Channel Program 2007)
- 3) Reports and video tapes surfaced showing increased jet contrail activity just prior to rainfall predictions by local weather reports in many areas. Jets were also videotaped circling various counties which were out of normal commercial air traffic patterns as designated by the FAA.
- 4) Government officials, elected representatives, university scientists, government agencies, the United States Air Force, along with other branches of the military, the FAA, and other scientists were all contacted and the public was assured that all persistent contrails were "safe and normal". The United States Air Force placed on its website the following statement:
  - A) Air Force Link - Environment.htm (1) "The "Chemtrail" Hoax: A hoax that has been around since 1996, accuses the Air Force of being involved in spraying the US population with mysterious substances and shows various Air Force aircraft "releasing sprays" or generating unusual contrail patterns...The "Chemtrail" hoax has been investigated and refuted by many established and accredited universities, scientific organizations, and major media publications..." (The U.S. Air Force has never released or identified the following: Which universities or scientific organizations conducted the research, what major media publications published these reports, which scientists conducted research, investigations or produced any actual reports or publications.)
  - B) The United States Air Force has been writing letters to constituents of California Senator Dianne Feinstein, repeating this U.S. Air Force "Chemtrail hoax" information for years, without providing any direct information about their investigations. Thus, the U.S. Air Force has perpetrated, along with other government agencies and our elected officials, the idea that persistent jet contrails and man-made cloud sightings are either a "hoax" or part of an Internet conspiracy

theory. Thus, they created and perpetuated the illusion that persistent jet contrails are “normal and safe”. In so doing, they obscured and prevented public notification and Congressional investigations into the detrimental effects of man-made clouds on climate and agriculture (See: NASA & IPCC Studies). (42)

5) NASA and NOAA, along with other government agencies, assured everyone that persistent jet contrails were normal and had been in evidence since 1919, prior to the invention of jet engines. These and other agencies denied any knowledge other than repeating that “Chemtrails” were a “hoax” or part of an “Internet Conspiracy Theory”. NASA, however, has diligently continued its persistent jet contrail and man-made cloud research which has shown that persistent jet contrails are causing climate change and exacerbating global warming (NASA & IPCC Studies). (4)

6) With government officials, the media, and our elected officials, armed with the misinformation that persistent contrails were “normal and benign” in the environment, all efforts to find out why these unusual sightings were occurring were stopped dead in their tracks. The media (whether television or newspapers), ignored thousands of complaints, allowing our once deep blue skies to be turned into massive jet-produced contrail configurations, white haze, reflective white particles, various types of man-made clouds, and other unusual formations with varied weather events. And the media, following the lead of the U.S. Air Force, linked questions about these events to “believers in conspiracy theories”. (1)

While these government diversions were being promoted, our once clear, deep blue skies became a rarity in many areas of the United States after the late 1980s, especially in the last fifteen years. The media deflected questions and real issues into disinformation hit pieces against those who raised questions regarding these real events, thereby exacerbating, and allowing to continue, the detrimental effects that man-made clouds are alleged to be having on agriculture, trees, human health, and climate.

7) The public, who used the word “Chemtrail” and questioned the increase in persistent jet contrails and man-made clouds, was marginalized by the United States Air Force into “hoax believers”. No real investigations were ever initiated in the ensuing years. Elected officials afraid that they would be ridiculed if they disagreed with the U.S. Air Force, or used classified information on this subject, refused to take any action. All efforts to find out why jets leaving contrails, that persisted and turn into man-made clouds, failed. The public could only prove the actual location, times, configurations, and dates of these jet produced events as they were taking place in the skies across the United States. (1)

8) NASA (National Aeronautics & Space Administration - U.S. Department of Commerce), in the 1980s, invented another perfect foil to finding out what was taking place in our skies. They initiated an “S’Cool” school education program on contrails, with contrail “count-a-thon” contests, to educate teachers and school children from K-12<sup>th</sup> grades, that persistent jet contrails were benign and normal. What better way to deflect any investigations than by teaching a whole new generation of children that persistent jet contrails are “normal” and that it is okay to produce man-made clouds that harm our environment. It should be noted that the persistence of jet contrails and man-made clouds are recent historical events – linked to the invention of the jet engine and its widespread use in the United States and around the world. (4)

9) In 2001, Congressman Dennis Kucinich introduced the Space Preservation Act, which used the word “Chemtrail”. This term was never defined within the legislation and this bill was never passed by Congress due to objections from the U.S. Department of Defense. Why? (8-9)

Now, almost twenty years after the first reports of jets leaving persistent jet contrails, our elected officials are still “dodging and weaving” when the subject of the negative impacts, associated with persistent jet contrails and man-made clouds on our environment, is brought to their attention. The media has refused to do any in-depth investigations into the synergistic impacts of persistent jet contrails on global warming and climate change. No current congressional legislation, which claims to be addressing climate change and global warming, has been introduced which would address this major cause of climate change and global warming.

Senator Barbara Boxer, in her 2008, Climate Security Act, would only address the general issue of curbing greenhouse gas emissions by allowing the polluters to buy bogus pollution credits which would allow the polluters to pollute more. When presented with the fact that the water vapor (a potent greenhouse gas), was part of the composition of jet contrails, our elected representatives have continued to ignore the issue in 2009. NASA continues to claim that persistent jet contrails are made up of ice crystals and water vapor, pretending that water vapor is benign in the environment. However, NASA's own studies show that persistent jet contrails exacerbate global warming and change our climate by producing man-made clouds and that water vapor is a significant by-product of global aviation. (4)

Now, in 2009, a new Energy Bill (44-46) (Cap & Trade Legislation H.R. 2454 Passed & Referred to U.S. Senate for Passage-June 26, 2009), again fails to address persistent jet contrails that turn into man-made clouds which change our climate and exacerbate global warming. In addition, it fails to address the many air pollutants which impact human health and change our climate. Water vapor, a greenhouse gas, is never addressed in this bill, which should be defeated before the public is fleeced one more time by another wall street money making scheme.

Now, rather than reducing the impacts of persistent jet contrails or reducing atmospheric pollutants, the Obama Administration's Science & Technology Advisor Holdren, proposed earlier this year, a disastrous atmospheric geoengineering plan to put more polluting particles into the atmosphere (geoengineering), in order to control global warming. (15, 27-28, 34-36)

When first investigating persistent jet contrails there was a quick realization that "facts" had to be separated from "beliefs", and that the use of the word "Chemtrail" would not advance any investigation or lead to any elected officials or the media objectively investigating this issue. The investigation was made even more difficult with the realization that our own taxpayer supported government agencies, university geoengineers and scientists, along the United States Air Force, and our own elected officials were chief obstacles in this research investigation. Fearing loss of employment, demotions, or other forms of retaliation or ridicule, government agencies, personnel, and scientists paid to protect the public interest, trees, and natural resources, continue to fail us over and over again.

NASA and the IPCC (Intergovernmental Panel on Climate Change 2007, and the U.S. Air Force, became unusual investigative research sources on finding out what we can prove using government documents and university studies. While denial was their public mantra, studying and conducting research on these new atmospheric events became one of their chief objectives. Many of these studies provide our basic understanding of the negative environmental impacts of these new programs:

- 1) **NASA studies show that increasingly persistent jet contrails may turn into man-made clouds that are"...trapping warmth in the atmosphere and exacerbating global warming..." NASA goes on to state that "...any change in global cloud cover may contribute to long-term changes in Earth's climate. Contrails, especially persistent contrails, represent a human-caused increase in the Earth's cloudiness, and are likely to be affecting climate and ultimately our natural resources..."** (5)
- 2) NASA "... Scientists have found that cirrus clouds, formed from aircraft engine exhaust, are capable of increasing average surface temperatures enough to account for a warming trend in the United States that occurred between 1975 and 1994. According to Patrick Minnis, a senior research scientist at NASA's Langley Research Center in Hampton, VA., there has been a one percent per decade increase in cirrus cloud cover over the United States, likely due to air traffic...Cirrus clouds exert a warming influence on the (earth's) surface...trapping heat emitted by the surface and lower atmosphere..."(5)
- 3) NASA's Patrick Minnis (2007 Discovery Channel-Best Evidence Program): "...We had found that (jet) contrails were producing much more cloud cover than we ever thought they did. This one particular aircraft produced a contrail that covered an area of four thousand square kilometers and lingered for six hours. But we also found that there were contrails covering much larger areas and lasting more than twenty hours..."

4) **ENVIRONMENTAL PROTECTION AGENCY PA420-R-99-013 - Final Report "Evaluation of Air Pollutant Emissions from Subsonic Commercial Jet Aircraft"**, U.S. Environmental Protection Agency April 1999. This report verifies that jet fuel is highly toxic and that any persistent jet contrail plume will be laced with these toxic chemicals which negatively impact human health, agriculture, plants and animals. According to the report these emissions include, but are not limited to (6+32):

- A. Ozone: Lung Function Impairment, increased susceptibility to respiratory infection, increased hospital visits, pulmonary inflammation, lung structure and tissue damage, crop and tree damage.
- B. Carbon Monoxide: Cardiovascular Effects
- C. Nitrogen Oxides: Lung irritations, premature mortality, (asthmatic are especially sensitive), acid rain.
- D. Volatile Organic Compounds: Eye and respiratory tract irritation, headaches, dizziness, visual disorders and memory impairment. (Increasing Asthma also associated with VOCs.)
- E. Emissions also contain carcinogens, nitric oxide that may deplete beneficial atmospheric ozone, and particulates like soot. (Thus, jets fuel emissions are not benign in the environment.)

With all of the scientific studies and research it is hard to believe that there is no current legislation proposed by local cities, counties, states, and the federal government to restrict jets flying at altitudes that leave persistent jet contrails or man-made clouds that change our climate. In addition, the only suggestions that have been proposed are to allow the U.S. military, private corporations, airlines, public agencies, and other users of jet fuel to buy pollution credits (offsets), in order to keep on polluting at current rates.

When you have California Governor Schwarzenegger and Speaker of the U.S. House, Nancy Pelosi (S.F. Chronicle September 7, 2008, 47-48), purchasing emission credits instead of writing legislation to "Go Green", by restricting jets from flying at heights that leave persistent jet contrails and setting less polluting jet fuel emission standards...it raises questions about how serious our legislators are about really addressing air pollution reductions and climate change.

It also raises serious questions about the other negative impacts which could be related to jet fuel emissions, persistent jet contrails and man-made clouds. We have tried to connect some of these critical dots:

- \* Increasing **asthma** in children has been escalating since the late 1980s (31). (EPA & CDC)
- \* Note increases in **dead and dying trees** since the late 1980s. (Thousands of Reports on Unusual Plant, Animal & Fish Decline and death, Honey Bee declines, etc.)
- \* There are sharp increases in childhood **rickets** in many areas of the United States related to increasing cloud cover. (CDC, University of CA Berkeley, and Kaiser Permanente studies). A lack of Vitamin D is showing up in pregnant women and young children along with other associated health effects. There appears to be a breast cancer connection to Vitamin D deficiencies noted in recent studies. Heart and infant health problems are also associated to a lack of **Vitamin D**. (Studies on lack of direct sunlight and rickets-note dates when rickets began to show up in children.) (18-20+33)
- \* Note changes in destructive **forest fires** since the late 1980s: (Changes in fire intensity and height of flames - U.S. Forest Service) Could they be related to increasing releases of combustible toxic chemicals in our atmospheric heating and testing programs and persistent jet contrails exacerbating climate change?
- \* **Global Dimming Studies** are showing that less sunlight is reaching the earth but temperatures are increasing (NASA & Other Studies). Should we now restrict more sunlight from reaching the earth-the geoengineering solution to global warming and climate change? (The Obama Administration is now suggesting this as an option which could have disastrous consequences – May 2009.) (16, 22+23)
- \* There are sharp increases in clinical **depression** since the late 1980s, which could be related to less direct sunlight reaching the earth. (Leading to higher usage of anti-depressant drugs?)
- \* Research on climate change that negatively impacts **agriculture micro-climates** and watersheds relating to climate change produced by persistent jet contrails and man-made clouds is limited. Lack of agriculture fruit set hours in areas where man-made cloud cover lowered crop production due to lack of

direct sunlight, are also areas of limited research and study. (University of Illinois-Corn Crop Production Study) (13-14)

- \* When jet contrails and man-made clouds are coupled with NOAA's 60+ listing of unregulated current and ongoing **experimental weather modification** programs in the United States, the synergistic effects could create enormous climate changes disrupting crop production, micro-climates, and plant health. Some weather modification experiments by universities, the military, private corporations, and individuals are not listed or reported by NOAA. In addition, there are no federal regulations with regard to any of these programs and no public notification or any oversight of these programs is required. Agriculture and the public are left unprotected from these experiments. (See Texas Senator Kay Bailey Hutchison's Weather Mitigation Senate Bill 601, which should be lobbied against in 2009- introduced on March 16, 2009, without requiring any public oversight or notification.) (3, 25-26, 37-38)
- \* **Increases in molds, mildews, fungus, flu viruses, and pests** from increased night temperatures, due to man-made clouds which exacerbate global warming and change the climate, are escalating with limited studies being conducted. (Alaska & other studies- escalating water vapor problems in the late 1980s.)
- \* There are sharp increases in atmospheric **water vapor** (a greenhouse gas), which are caused and exacerbated by jet engine emissions, persistent jet contrails and man-made clouds trapping warmth in the atmosphere (NASA + Alaska Studies). According to the IPCC 2007, Climate Change Study, water Vapor "...is one of the most important gases contributing to the greenhouse effect..." (5)
- \* There are sharp increases and unusual spikes in toxic **chemicals** in drinking water tests in California and other states, which can be related to U.S. Air Force and NASA atmospheric heating and testing programs (CRRES). These include, but are not limited to: Barium, Aluminum, Magnesium, Manganese, Lithium, Strontium, and SF6 (sulfur hexafluoride). (10-11) (See California State Department of Health Drinking Water Test Records.)
- \* Atmospheric heating and testing programs could also be the reason for increases in **Ultra Violet and Infrared Radiation** readings which negatively impact human health and cause crop damage.
- \* Persistent jet contrails and man-made clouds (along with other types of air pollution), will make ground-based **telescopes** worthless in the near future according to recent studies demonstrating how serious a lack of clear skies will be in the near future and how global dimming will reduce the amount of direct sunlight reaching the earth (U.S. government studies). (12+24)
- \* **Agriculture crop production** (and ocean health), may be negatively impacted by a lack of **photosynthesis** from increased cloud cover. Photosynthesis is required for all plants and trees to grow and produce crops.
- \* **Persistent jet contrails and man-made clouds also lower the amount of direct sunlight reaching solar panels that have the potential to provide future power for both homes and automobiles.** (16)
- \* New limited studies associate some increased **autism** rates to cloudy areas versus areas that have more direct sunlight and fewer cloudy or rainy days. (29-31)
- \* Honey Bees navigate by ultraviolet radiation which could be disrupted by man-made cloud cover and other atmospheric experiments (Note Decline of Honey Bees and Other Pollinators-CCD). (7)
- \* The U.S. Air Force and other branches of the military service release (**Chaff**), aluminum coated fiberglass particulates, by the ton in the United States. What are the synergistic and health effects of these programs when associated with jet fuel emission and the harmful effects of these particulates? (2)
- \* The appearance of "new cloud types" (39-40 + NASA studies showing how jet produce man-made clouds), and the ability to produce lightning precursors (41), in clouds through experiments, are alleged to be changing and negatively impacting both weather and climate.

The above listing is only the tip of the iceberg. There are choices to make in the near future. Should the public “bite the bullet” and separate fact from fiction and beliefs, give up “dead-end terminology”, like the word “chemtrail”, that ends only in defeat and continued failures to protect agriculture, public health, and our children? In any military planning great generals study their opponent’s tactics, change losing tactics, and initiate winning strategies.

So far the public is using a losing strategy and the jets continue to leave persistent jet contrails that produce man-made clouds that harm our environment and human health. Legislation could be passed that stops jets from flying at heights that leave persistent jet contrails. Unregulated experimental weather modification programs are continuing to grow in number across the United States without the public being advised of the synergistic effects of these programs on local watersheds, water supplies, and agricultural micro-climates. Atmospheric heating and testing experimental programs continue unabated, along with the toxic chemicals used in those programs contaminating our soils, air and water supplies on a daily basis.

It is imperative, in order to change the acceptance of the status quo, that we use government documents, university studies, reports, U.S. Patents, and other information that will hold up in a court of law to make our case. It is time to give up the use of “beliefs”, and old undefined terminology, and begin to hammer the media and our elected officials with facts that can hold up in any court of law.

If you want your blue skies back, normal clouds and weather, a reduction in man-made climate change, and less polluted air and water, everyone must join together, find common ground, educate elected officials, and locally work together. Another step would be to stop unnecessary U.S. climate change and weather modification / mitigation legislation like Senator Hutchison’s Senate Bill 601 and the new American 2009 Energy Security Act (Cap & Trade Bill). Education is the key along with the use of sound research, studies, and government documentation.

The choice is yours to make and your decision will impact your children and grandchildren, your health, the earth’s ability to produce food, and whether your water supplies are fit to drink. Our planet needs direct sunlight reaching the earth and earth’s natural climate systems to work as they have for millions of years for everyone’s benefit. The stakes are high and the choice is ours to make. End

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**References & Links to Documents for this NewsWithViews Article dated June 2009 are located at:**

- 1, **Links and References to facts in this Article can be found on these Websites:**  
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**Research Database**
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<http://californiaskywatch.com> **Join our Grassroots Organization Today! We encourage everyone to “look up” and watch the jets leaving persistent jet contrails that may turn into man-made clouds or white haze – Check out how man-made clouds are formed.**

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April 13, 2009 by Dave Struck "Geoengineering Mankind & Reshaping the World"
- 36) <http://www.guardian.co.uk/environment/2009/apr/08/geo-engineering-john-holdren> April 8, 2009  
Geoengineering – Obama Administration
- 37) Weather Search U.S. Congressional Bills June 19, 2009  
<http://www.govtrack.us/congress/billsearch.xpd>
- 38) U.S. Senate Bill 601 – Introduced on March 16, 2009 by Texas Senator Kay Bailey Hutchison  
Full Text: <http://www.govtrack.us/congress/billtext.xpd?bill=s111-601> This bill was considered in committee which has recommended it be considered by the Senate as a whole. Although it has been placed on a calendar of business, the order in which legislation is considered and voted on is determined by the majority party leadership. Keep in mind that sometimes the text of one bill is incorporated into another bill, and in those cases the original bill, as it would appear here, would be abandoned. Last Action: May 20, 2009 – GovTrack.U.S
- 39) Asperatus (New Cloud Discovered-New Name Type Considered) Google Search June 22, 2009.  
<http://www.google.com/search?hl=en&q=Asperatus+Clouds&btnG=Google+Search&aq=f&ogq=&aqi=> (Real or Man-Made is the next question???)
- 40) Asperatus Clouds – June 2009  
<http://news.nationalgeographic.com/news/2009/06/photogalleries/new-cloud-pictures/photo2.html>  
<http://news.nationalgeographic.com/news/2009/06/photogalleries/new-cloud-pictures/index.html>  
 With NASA studies showing that persistent jet contrails produce man-made clouds it would be interesting to discover the root cause of these clouds – whether they are produced by man-made methods, atmospheric heating and testing programs, by persistent jet contrails, or other man-made experiments...such as jets or rockets releasing carbon black or other chemicals into the atmosphere.
- 41) Lasers Trigger Lightning Precursors in Clouds – Experiments April 2009  
<http://news.nationalgeographic.com/news/2008/04/080416-lightning-lasers.html>  
[http://news.nationalgeographic.com/news/2008/04/080416-lightning-lasers\\_2.html](http://news.nationalgeographic.com/news/2008/04/080416-lightning-lasers_2.html)

With ever-increasing experiments it will become hard to tell whether lightning is man-made or caused by natural weather events in the near future. And it will be even harder to determine if so-called “natural events” are being produced by man-made experiments. Many believe that recent lightning storms in California (June 2008), and unusual lightning storms elsewhere in the United States, are the results of experiments and not “natural or normal” weather events. Thus, it is now imperative that the public be informed when experiments are being conducted by government agencies, private corporations, individuals, universities or others who may be experimenting with lightning or our weather.

**42) TELEVISION NEWS ALERT – EXPERIMENTAL WEATHER MODIFICATION  
(INCLUDES A SEGMENT ON MENDOCINO COUNTY, CA)**

<http://www.nbc4.tv/news/9155725/detail.html>

**Watch: “Toxic Sky?”**

**NBC4 TV – Los Angeles, California News Program – Tuesday, May 23, 2006 11:00 P.M.**

"In a Channel 4 News investigation, Paul Moyer looks into why some say the government is manipulating the weather."

(The video runs 4.30 minutes. For a transcript of the video commentary, see below.)

"Toxic Sky" KNBC TV4 News Items Los Angeles May 23, 2006 Part 1

<http://www.youtube.com/watch?v=sm6rbwVUxGU>

Partial Transcript of KNBC "Toxic Sky" - May 23, 2006

(Note: Items in parenthesis are added to the this partial transcript for clarification purposes.)

**Professor Gregory Benford of UC Irvine works with the Department of Energy (DOE) on weather research.**

Paul Moyer: He says the DOE doesn't know of any jets spraying chemicals to affect the weather. However, he says, we will probably see it in the near future.

Gregory Benford: "You've got to, in a sense, engineer all these, so you get the right kind of clouds, with the effects we want."

Paul Moyer: It is called geoengineering. Fighting global warming by putting a chemical dust in the atmosphere and reflecting harmful radiation back into space.

Gregory Benford: "You could use barium oxide, for example, which makes big fluffy clouds. You could use tiny little bits of aluminum...and essentially manage the climate."

But Rosalind Peterson (former California U.S.D.A., Certified Crop Loss Adjustor), says Health Department records show a sharp increase in both chemicals in the water supplies across California.

Rosalind Peterson: "And what I found was unusual spiking (in California drinking water tests) since the early 1990s, and barium, aluminum..."

Rosalind Peterson: "I went and got all the tests (from the California State Department of Health, Drinking Water Division since 1984) and all these things in the same test would be up way over state and federal standards. This had to be airborne because how could it get into such diverse regions of our county (and State drinking water supplies)?

Paul Moyer: "Is it legal?"

Rosalind Peterson: "I don't know because we haven't had a public discussion."

Paul Moyer: But what is unknown today may be actual fact tomorrow thanks to a bill soon to be voted on in the U.S. Senate, a weather modification act calling for research in [quote] "...attempting to change or control by artificial methods the natural development of atmospheric cloud forms..."

Paul Moyer: In the meantime a lot of people are wondering if they'll ever get clear skies and a clear answer.

Paul Moyer: "The legislation is there. Therefore somebody is thinking about this. How does this make sense...?"

Laurie Kelly: "I don't know. Maybe they're practicing."

Paul Moyer: "...over Cedar Glen, over Arrowhead?"

Laurie Kelly: "Ah, I guess you have to try it out before you use it. I'm not sure."

Paul Moyer: "Well, you be the judge. We'll keep you posted on anything further on this story. And there will be more, that's for sure. More information on the weather modification proposals, check on our website: NBC4.tv." **END FOR NOW...**

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43) **On July 28, 2008, KTVU News (Oakland/San Francisco/San Jose, California), presented a new program on weather modification.(5) John Fowler, the Health & Science Editor for KTVU, conducted research into this subject after being given many government documents and other information. This Special Report was the result of his investigation and it is one of the very few you will see on this subject.**

**KTVU Program Advance Advertising Segments prior to the Broadcast of their Special Report:**

- 1) **"Coming up we investigate a weather modification program underway here in Northern California." (This implies there is only one ongoing program in Northern CA. NOAA experimental weather modification records indicate there were at least 13 California programs in 2007, and there are 5 or more ongoing programs so far in 2008.)**
- 2) **Julie Haener (KTVU News Anchor): "Ever wish you could change the weather? What you might consider impossible is not only possible, but is happening here in Northern California. KTVU Channel 2 News reveals who is modifying our weather and why. Weather patterns have been around longer than man. Should they be tampered with now?" Rosalind Peterson: 'Who plays God with our crops, who plays God with different areas of the State of California or (individual) counties?' Julie Haener: "See the upcoming program on KTVU Channel 2 News."**

**(Transcript of the Special Report aired on July 28, 2008. Note: If there are errors in any part of this transcription – we apologize in advance as no transcript was provided by KTVU. The items in parenthesis below were not part of the program but added to clarify statements or visuals.)**

**Frank Somerville (KTVU News Anchor):** "Should humans tamper with mother nature? Weather modification is a growing trend both here in Northern California and around the world. So, does it work? And why do some people say it could do more harm than good? **KTVU Health & Science Editor, John Fowler, has tonight's Special Report.**"

**John Fowler:** "California sure could use more rain. Tinder dry forests are burning at a record pace..." (due to a highly unusual lightning storms which hit California between June 19-20, 2008.) "Drought proclamations have millions of Bay Area water users cutting back or paying more. And climate experts predict that we are in for decades of unpredictable supplies. The State's top water forecaster says: 'We are on the edge right now'..."

**Maury Roos (California State Department of Water Resources):** "If the next winter is wet, everything will be fine. And if it is dry we will be in a real drought."

**John Fowler:** “So what about making rain?” (KTVU Shows a Paramount Move Clip from The Rainmaker showing actor Burt Lancaster yelling “Rain!”) “Burt Lancaster’s character was based on a real life Californian who claimed 500 rain making successes, including a San Diego flood. Charles Hatfield died a half century ago without revealing his secrets. But his successors are hard at work, here in downtown San Francisco, at PG&E’s (Pacific Gas & Electric Company), headquarters, up on the 16<sup>th</sup> Floor, in their weather office, where the utilities top weather man, Byron Marler, studies charts and satellite pictures. Marler’s job is to change weather, although he won’t say it that way.”

**Byron Marler (PG&E):** “Well, we are not really changing the overall picture of the weather in the Sierra Nevada with the exception of causing a little more snowfall over some of the watersheds. 5% to 10% additional water on an annual basis.”

**John Fowler:** “PG&E uses what are basically big propane (ground based), gas flares in the mountains. But others use different methods, including airplanes to scatter tiny particles of silver iodide to seed clouds.” (There are other more sophisticated methods using a wide variety of chemicals but these were not identified in this program.)

**Byron Marler (PG&E):** “Most of this watershed in the Sierra Nevada are cloud seeded by someone.”

**John Fowler:** “Water districts, corporate farms, even private individuals, all modify the weather with little oversight and no government restrictions.”

**Golden Gate Weather Consulting Meteorologist, Jan Null, advises cloud seeders:** “You have a lot of people experimenting with the atmosphere, with only partially known sorts of effects that are going to come out of it.” (No mention of the synergistic effects of these multiple California programs or effects on California from experiments being conducted in adjoining states like Nevada. Note: There are lawsuits with regard to weather modification programs in California.)

**John Fowler:** “So are we messing with mother nature?”

**Rosalind Peterson:** “Who plays God with our crops, who plays God with different areas of the State of California or the counties? In other words, the weather belongs to all of us.”

**John Fowler:** “Former (California U.S.D.A. Agriculture Crop Loss Adjustor) Rosalind Peterson, of Ukiah (CA), spoke (as an invited guest speaker), at the United Nations (forum on Climate Change), last year (September 5-7, 2007), opposing weather modification (legislation due to negative impacts on agriculture and watersheds). Although some studies (three published prior to 1992) dispute it, she said pulling extra water from clouds in one place steals water from folks downwind (or in surrounding counties and states disrupting the micro-climates needed for crop production).” (This program did not specify which government studies dispute these claims.)

**Rosalind Peterson:** “If we are doing a lot (of weather modification), here... (pointing to a map showing the State of California).” (Rosalind Peterson presented a color map of the United States showing the number, from NOAA statistics, and the scope, number of square miles, of weather modification programs in the United States that are now part of the public record. KTVU declined to show the entire map or discuss the 60+ ongoing programs listed by NOAA. In addition, during the taped 1 hour, 45 minute interview, KTVU failed to mention the number of programs ongoing in California or the vote by the Los Angeles City Council (June 2008), to start a new weather modification program to put more snow, each year, on the San Bernadino Mountains in Southern California. A program that could impact rainfall and weather across the food belts in the Central Valley and in areas where agriculture crop production and surrounding forestlands depend upon fragile micro-climates and “normal” weather patterns for water and snow.)

**John Fowler:** “Peterson says that is sparking ‘weather wars’ across the Western states, expanding rainmaking programs that have unknown (synergistic) consequences. She says cloud seeding maybe making water problems worse.”

**Rosalind Peterson:** “I think that we could go to conservation, I think we could take others steps for better water usage and maybe limit those (experimental weather modification) programs, to only a very (regulated) few, if at all.”

**John Fowler:** “And what about unintended weather modification such as those persistent jet contrails that crisscross our skies. These are over Mendocino County where military jets practice.” (KTVU showed persistent jet contrails and a military jet onscreen).

**Maury Roos:** “They are blocking some of the sunlight coming in but they also trap, trap some of the heat, so the jury is out as to what the exact effects are...but those contrails do have an effect upon the weather and climate.”

**John Fowler:** “In Beijing (China), over the next few weeks, well funded Chinese weather modification experts will attempt to reduce smog by increasing air cleaning rain and will try to decrease rain during Olympic events. (August 2008). U.S. experts are skeptical.”

**Maury Roos:** “I can’t help but wonder if maybe they are exaggerating the amount of influence they have over weather.”

**Jan Null:** “It rains about half the days during the early part of August in Beijing. The effects are probably not going to be noticeable to anybody in the stands watching an Olympic event.”

**John Fowler:** “Professional rainmakers say they can increase or decrease precipitation anywhere conditions are right. Proof is elusive. Forecasters can’t predict precisely how much rain would fall anyway. Still proponents say California and the United States are falling behind the rest of the world in rain-making science (and) that we need to invest in technology that might help us avoid water worries.  
- **Health & Science Editor, John Fowler, KTVU Channel 2 News.** End

(Thank you KTVU & John Fowler for bringing to light this critical issue in your Special Report – Rosalind Peterson July 28, 2008.)

- 44) American Clean Energy & Security Act 2009 (CAP & TRADE BILL-MARKET SCHEME)  
Full Text Missing: <http://www.govtrack.us/congress/billtext.xpd?bill=h111-2454>  
<http://thomas.loc.gov/cgi-bin/query/z?c111:h2454>:  
<http://thomas.loc.gov/cgi-bin/query/D?c111:2:/temp/~c111tIM1as::>  
<http://thomas.loc.gov/cgi-bin/query/F?c111:2:/temp/~c111tIM1as:e2347>:  
<http://thomas.loc.gov/cgi-bin/query/F?c111:2:/temp/~c111tIM1as:e23563>:  
<http://thomas.loc.gov/cgi-bin/query/F?c111:2:/temp/~c111tIM1as:e24603>:
- 45) EPA Economic Analysis of the American Clean Energy & Security Act 2009  
Cap & Trade Legislation – Passed U.S. House of Representatives on June 26, 2009 Referred to the U.S. Senate for passage. This bill needs to be defeated in U.S. Senate July 2009.  
<http://www.epa.gov/climatechange/economics/economicanalyses.html#hr2452>
- 46) EPA Economic Analysis of Congressmen Waxman & Markey Bill – 2009  
Cap & Trade Legislation – Need to be defeated in U.S. Senate July 2009.  
<http://www.epa.gov/climatechange/economics/economicanalyses.html#wax>
- 47) <http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2008/09/07/MNQN11LLL6.DTL&type=printable>  
San Francisco Chronicle September 7, 2008 – California “State’s Private Forests Sell Carbon Offsets...” Page 1 (Continued on Page 12 – No Link provided by the Chronicle.)
- 48) <http://www.sfgate.com/cgi-bin/object/article?o=2&f=/c/a/2008/09/07/MNQN11LLL6.DTL>  
San Francisco Chronicle September 7, 2008 – California Forest Trees – Carbon Offset Tree Graph.