

## 2009 SUMMARY & UPDATE

“DYING PLANTS, PERSISTENT JET CLOUDS  
AND A BIO-RESTORATION ALTERNATIVE”

TOPICS PRESENTED TO  
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CLIMATE CHANGE: HOW IT IMPACTS US ALL

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## INTRODUCTION:

**How many of you know that the ecosystems of Earth are dying from pollution and weather modification? (Soil, Water, Air, and Weather Modification Programs)**

**How many of you know that we have the tools to clean up pollution and reverse the climate trends using natural organic processes and readily available tools?**

**We do not have to resort to geo-engineering and genetic-engineering solutions that do not solve environmental problems, when we have a diverse natural toolbox at our command that can.**

I am a professional observer. I was a trained Weather Observer (US Air Force 4yrs), and trained wildlife biologist and manager, now retired from the California Department of Fish & Game (38+ years). I want to share my field findings and concerns, and offer a natural biological solution.

**DYING PLANTS:** Throughout California I have been following accelerating stress and plant death problems, and changing weather patterns which relate directly to the die off. In the Bay Area of California, scientists claim the culprit is "Sudden Oak Death" or SOD (a fungus), and in Southern California it is bark beetles, or crop rot, or any number of pathogens.

The story repeats itself across the nation, with different bugs and pathogens, and the effects are identical. But it is not the pathogens ... it is environmental stress that allows pathogens to invade ... they are opportunistic to stress ... and it is being caused by shifting climate patterns and pollution from mans activities that have killed off too many of the beneficial soil and water microbes and stopped the natural cleaning process and atmosphere restoration they once provided.

I have thousands of pictures of dying and dead plants in California and across the nation; water ferns and trees claimed to be dying of "drought," some with their feet in water and in areas where there has been no drought, and redwood, all oak species, madrone, Douglas-fir, sugar pine, lichens, Manzanita, etc, etc. The symptoms are the same for all of them; dead or dying branch tips, thinning canopies and invasion by insects and molds and mildews and fungus, and virus. When I traveled across the USA and Canada, I witnessed the same problems and realized it was wide spread, and the local scientists all gave the same usual reasons but few would investigate, and none knew about present weather modification conditions. I saw the same problems in Arizona, Arkansas, Illinois, Virginia, Massachusetts, New York, Connecticut, Montreal, Toronto, and Quebec. I hear similar reports from Mexico.

In August of 2007, scientists from the US Geologic Survey and others reported a doubling of plant death in the Sierra Nevada Mountains of California since 1983, and similar patterns from Alaska to Mexico with over 50 million acres. More recently in 2009 descriptions of "Americas Disappearing Forests," "The Pine Beetle Epidemic in the West" records vast acreage of lodge pole pine dying due to bark beetles, fungus and drought, all weather stress related problems. These impacts affect all of our native ecosystems and fish and wildlife, and I have been very concerned. Changes in stress with invasion by pathogens, and solar burning, could very well be responsible for changes in insect populations, including bee declines.

What is causing the stress? Global warming, increased solar intensity, and thinning atmosphere are all effects from pollution that are making us more vulnerable to natural environmental changes. Physicists indicate the entire solar system is heating as part of a longer galactic cycle, but our reduced atmosphere protection will increase natural impacts.

**Cloud creation?** There are current government proposals for cloud creation programs. What they are not telling you is that there is already a cloud creation program over most of North America and Europe that is putting up a high cloud cover almost every day, and it has been in operation for many years. This cloud cover acts as a solar shield, but it also increases the greenhouse effect and disrupts normal weather cycles, and pollutes the air, ground and water from the particulate spray. It could also be the source of the radical climate shifts now occurring planet wide, and could be a major cause or contributor to the present levels of plant stress and forest loss.

**PERSISTENT JET CLOUDS:** As a trained weather observer, I am very familiar with both normal jet contrails and weather modification clouds. I became fully aware of the "persistent jet clouds" in the mid 1990's and soon realized that they are a result of a massive weather modification program that is intentional, and not a result of normal airline traffic jet exhaust. While the nitrogen and other chemicals in jet fuel from air traffic deplete the ozone in the atmosphere and are dangerously opening the earth surface to more intense solar plasma (liquid hydrogen emissions as solar flares from the sun), "contrail" (short for condensation trail) emissions only bind water vapor for a short time and do not persist as visible clouds. The man made clouds being sprayed by jets, however, can remain visible for long periods, sometimes days.

The old method for cloud and rain creation is the evaporation of silver iodide. The particles of metal act as a nucleus for water attachment and can bind for extended periods. This is still a wide practice, with inconclusive findings of efficacy, but there has been no evaluation of the effects from changing the climate and rain patterns on plant communities and wildlife populations, water distribution, and agriculture. The natural plant and wildlife communities evolved within certain "micro-climes" provided by chaotic but predictable weather patterns. The disruption of these patterns and the negative effects of stress will alter the living face of the planet. I could not find it, but surely such a program needs oversight?

As a meteorologist I have witnessed the spraying program and it is real, and extends across the entire United States, and Canada. I have seen evidence of the same program over Mexico and England. The screen saver in my Windows XP program of Stonehenge, England shows sprayed clouds over the site.

Any person can watch these aircraft emit huge plumes of vapor that turn into clouds, but if they are not familiar with contrail formation and evaporation, they will not "see" what they are looking at. I have observed local air traffic, and also witnessed spraying from aircraft in military air space, and they are not the same. I have also observed them turning the trails on and off (not possible with normal contrails), spray white, brown and black trails (atypical), and make better clouds than we could when I was in the Air Force. Since the clouds do not quickly evaporate, they must have core particles that are not in jet fuel. In all probability they are using metal compounds of many types to get the diversity seen in the cloud formations. Watch the jet trails that persist, and you will see them spread into high thin cirrus and dump tons of haze that drifts down and can hug the ground. Have your eyes burned more than normal? Does your nose run more for no reason? Are respiratory problems increasing?

In September 2007, I traveled from California to New York to present this information at the DPI/NGO UN Conference on Global warming, and I was amazed to witness a bank of haze across the entire USA that was 37,000 feet thick ... how is this possible? It matches the spray program I also observed over all of these areas that could be seen out of my aircraft window. This is a huge program with incredible coverage.

The US Air Force web site explains "Chaff" as fine particles of aluminum coated fiber glass, and they are quite proud of the hundreds of tons of this material they are spraying all the time for "missile protection." Why hasn't anyone brought to light the possible relationship between the spraying of millions of pounds of aluminum "chaff" with increases in aluminum in soils and waters and public health? This program is not in general public purview, but a huge public has been watching the program for years and continually question what is going on, but their observations have been denied by the military and they are called names to discredit them. It would take major funding to implement the present spray program, and since the military denies it exists contrary to thousands of observations and miles of video, and is using disinformation and name calling propoganda to respond to inquiry, it is probably a covert program of the Department of Defense and linked to their chaff program.

What else are they using for cloud creation? One hint, based on past programs using silver particles, may be the discovery of metals such as aluminum, strontium, radium, boron, and many others that first appeared and were documented in every drinking water supply in California in 1987, most of which had no historical presence (California water records). They only way that could happen is from aerial application, but no explanations are available other than military chaff and the very visible spray clouds and resultant silver haze fallout. Ground tests also found metals.

Whatever you want to call them, the clouds are created and are changing our global weather patterns, reducing solar illumination, creating a greenhouse effect, and jeopardizing all plant growth and dependent wildlife communities, landscape, and agricultural growing conditions, while adding metal pollution to our soils and waters.

Shifting cloud cover and haze are reducing solar illumination on most days, and solar companies report reductions in capacity of from 25-40%. On other days the sun is so hot that we are getting "burn days" that look like freeze burn. These days have Ultra Violet intensities exceeding 14 on the UV scale (was from 1-10, now from 1-13), and everyone has been getting sunscreen warnings. The EPA/NOAA web site shows daily radiation charts. See <http://www.epa.gov/sunwise/uvindexmap.html>. Further, the particulates increase the ionization of the atmosphere and increase solar burning, and could accelerate the effects of combustion making fires hotter and more devastating, and may be responsible for the increased heat and intensity of fires described by our firefighters, and the greater heat we feel on our skin ... direct sunlight is hotter.

Of critical concern is the effect of modified weather patterns around the globe. The "butterfly effect" is a concept that a small change in one area could modify climate in other areas. Weather modification across vast areas of North America and Europe is a huge "butterfly effect" certain to change the normal world weather patterns, and could be responsible for many of the world changes in weather "chaos" with the normal chaos patterns altered and resulting in new chaos patterns that are affecting all life cycles and storm intensities.

Many persons have attempted to get an answer to the main question: what is the purpose of this program? I and others have questioned public officials and military sources, and they have provided no answers. Either they claim to have no knowledge of the program, or there is outright denial. Further, the military and government have used misinformation and name calling to discredit all observations to the contrary, all while the program is highly visible?

How suspicious would you be if you heard these responses to an obvious program? It's none of the public's business? How can this be? Why is this program going on? Are we protecting ourselves from enemies? Are we engaged in weather warfare? Are we reducing planetary populations covertly? Are we protecting the planet from solar burning ... as Dr. Edward Teller suggested many years ago using metal particles in a cloud shield? Do they know they are killing life on the planet on a huge scale? Why are we not getting the truth? Isn't the public ready to know? Where do you draw the line between national security and critical environmental problems?

An amnesty program may be needed to reveal the truth of our situation and to move forward as one mankind. We are not going to survive unless we cooperate fully. We need to be informed of the reasons for the cloud program and its global warming and pollution effects to determine if there is a better way to fix the undisclosed problem, or reveal the purpose of this program and change course. If there is no public purview and input to programs that threaten our planetary environment, then our public input and options have been severely compromised by military fear and secrecy.

### **A BIO-REMEDIATION PLAN OF ACTION:**

**We have a way to reverse our course and restore the environment, but we need to act fast and in large scale.**

First we have to stop or significantly reduce pollution and we need to direct funds for this purpose, everywhere.

If pollution is increasing our negative environmental response to climate change, and also partly responsible for the change, then cleaning up pollution is a major program we can implement immediately to help restore our planet. We cannot do it with geo-engineering and genetic manipulation schemes that do not have a restoration basis, or we are just fooling ourselves. Why go part way when we can fix it?

There are live microbial products on the market that can remove pollution, bind up metals, rebalance soils, increase plant health and protection, and provide some protection from increased solar burning. I have treated and recovered plants with natural microbial micro-film "sun-screen," cleaned water of toxic algae blooms, and removed pollution of all kinds. Microbial armies can help the Earth recover, but we need to stop polluting and begin immediate restoration programs.

To "**go organic**" is to go microbial. Only microbes can create humus. Only microbes can provide the breakdown of soils into plant nutrients, and stimulate plant growth and health with full development of vitamins and increased uptake of minerals. Only microbes can restore environmental health and the atmosphere.

Soil scientists have indicated a 1% increase in soil organic matter (SOM) can hold the entire current carbon emission of excess carbon dioxide (CO<sup>2</sup>). This is a goal we can reach, and we can do much better with more effort. What will we have if we clean up the polluted rivers and the oceans? There are microbes that eat and change everything, and release the gasses we need to rebuild the atmosphere.

**Carbon credits:** There is a huge industry of selling carbon credits for conservation of forest ecosystems to give emission credits to polluters. While polluters need to mitigate, it does not make sense to sell credits on dying ecosystems.

The top priorities are **stopping pollution, recharging the ecosystem with beneficial microbes to remove pollution** from soils, waters of all kinds, treatment of animal waste, managed landscape, and native ecosystems, **agricultural conversion to organics, removal of anti-bacterial soaps from discharge, treatment of forest soils and foliage through spraying programs** (non-toxic and safe to handle) and **ecosystem restoration.**

Warning on anti-microbial and anti-life compounds: These products should not be allowed to enter the environment as they collectively will disrupt our natural biological processes. They will plug up your leach and septic fields, and deposit in sewer sludge making it unusable for agriculture. Anti-microbial compounds and a few other chemicals first need to be broken down by chemical or other processes before they can be converted, but they can be converted.

We have a huge toolbox of microbes we can use to reverse the present trends and we have only scratched the surface of this huge resource.

**GMO:** We do not have to genetically modify organisms to meet these goals, and in fact we don't know what we are doing when we allow these new gene combinations into our ecosystem where they will get passed around and further modify our environment in ways we cannot yet imagine. GMO is a very dangerous and foolish game to implement without knowing consequences and threatening the genetic base. With natural microbes, you know they have evolved to do their jobs for millennia.

Programs for soil cleanup can employ huge numbers of people with enough funding from private and governmental sources. We need to clean up and restore our soils, clean up our water bodies; lakes, rivers, oceans, and use human labor force to restore the ecosystem. A direction of significant humanitarian aid for this purpose can also provide needed funding. Restoration of soils and farming improvements can increase food supplies of quality organics, save the soil, and provide employment and food.

We need to fund (\$) programs to cut emissions on all fronts; forget a long time table to allow business to phase, but provide funding to accelerate the process. – We don't have much time. We could put a lot of people to work cleaning up the planet if we can develop the will.

Allan Buckmann