

UNITED NATIONS
60TH DPI/NGO CONFERENCE - SEPTEMBER 5-7, 2007
CLIMATE CHANGE: "HOW IT IMPACTS US ALL"

"DYING PLANTS, PERSISTENT JET CLOUDS AND THE BIO-RESTORATION ALTERNATIVE"

By
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September 5, 2007 - Workshop Presentation

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INTRODUCTION:

SPONSORS, LADIES & GENTLEMEN:

MY NAME IS ALLAN BUCKMANN AND I AM HERE TO DISCUSS THE POLLUTED EARTH, THE DYING OF THE TREES, ENVIRONMENTAL STRESS FROM POLLUTION, AND BIO-RESTORATION USING NATURAL ORGANIC BENEFICIAL MICROBES; A PROVEN TECHNOLOGY.

I am a professional observer. I was a trained Weather Observer (United States Air Force), and trained as an ecologist and wildlife biologist and manager, recently retired from the California Department of Fish & Game (38+ years). Today, I will be sharing my field findings and concerns, as well as offering solutions.

How many of you know that the ecosystems of the Earth are dying from pollution? How many of you know that we have the tools to clean up pollution and reverse the climate trends using natural organic processes? How many of you know that we do not have to resort to geoeengineering schemes that not only do not solve our problems but make them worse?

TOPICS

- A. DYING TREES & PLANTS** - Throughout California I have been following an accelerating stress and plant death problem. In the Bay Area of California, scientists claims 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. But it is not the pathogens...it is environmental stress that allows pathogens to invade (they are opportunistic to stress), and this stress is being caused by shifting climate patterns and pollution from man's activities that have killed off the beneficial soil microbes and stopped the natural cleaning process and atmosphere restoration they once provided.

I have thousands of pictures of dying and dead plants and trees in California. Water ferns and trees claimed to be dying of "drought", some with their feet in water, some in areas where there has been no drought; redwoods, all oak species, Madrone, Douglas fir, sugar pine, lichens, manzanita; the list is a long one.

The symptoms are the same for all of them, dead or dying branch tips, thinning canopies, and invasion by insects, molds, mildews, fungus, and viruses. When I traveled across the United States, I witnessed the same problems and realized these symptoms were widespread, and the local scientists all gave the same usual reasons for these problems. Few, if any, had investigated, and none of them knew about changing weather conditions. I saw the same problems in Arizona, Arkansas, Illinois, Massachusetts, Virginia, New York, and Connecticut. I have heard similar reports from Alaska, Canada and Mexico.

In August 2007, scientists from the United States Geologic Survey and others reported a doubling of plant and tree deaths in the Sierra Nevada Mountains of California since 1983, and similar patterns from Alaska to Mexico; over 50 million acres. These impacts affects all of our native ecosystems, fish populations, and wildlife. I am very concerned about these declines. Is this contributing to the bee declines and stress invasion of pathogens in plant populations?

ENVIRONMENTAL STRESS & STRESS OBSERVATIONS

- Stress & Plant Deaths are obvious across the U.S.
- Atmosphere Thinning – UV Sunburn (trees, plants, grapes, roses) identical to freeze burn.
- Cloud Cover interspersed with high UV Index days of 11+ (Random Patterns)
- Rapid High Evaporation – Water Loss – Stress on Wet Coastal habitats (no drought) and water loss to terrestrial ecosystems
- Stress Lowers immunity, increases disease and insect invasions.
- POLLUTION - Dying plants use less CO² and produce less oxygen
- Man-Made Increased Cloud Cover and Haze – Persistent jet cloud observations (Dimming)
- FLUCTUATING SOLAR PATTERNS
- GLOBALDIMMING – SOLAR ENERGY LOSS
- WILDLIFE DIE-OFF FROM NUTRITIONAL STRESS – Moose, polar bears, pollinator, other species declines
- SPECIES MOVEMENTS TOO SLOW FOR RAPID CHANGES ... EXTINCTION
- OTHER?

- B. PERSISTENT JET CLOUDS** – I became aware of “man-made persistent jet clouds” and soon realized that they are a result of a massive, intentional weather modification program. These man-made clouds do not result from normal airline traffic...even though they need to clean up the nitrogen in their exhaust emissions.

Anyone can look up, but not “see” if they don’t know what they are looking at...but I watch these jets laying out persistent jet contrails from my backyard. I know local airport traffic, and what I observed was that they were in military air space. These jets make better clouds than we could when I was in the Air Force. They can turn the trails on and off (can’t do this with normal contrails), spray white, brown and black trails (atypical). Watch those jet trails that persist and you will seem them spread into man-made, high thin cirrus clouds and cause long-lasting white haze. During a five-hour flight from California to New York on September 4, 2007, to attend this United Nations Conference on Climate Change, there was a bank of haze across the entire United States that was 37,000 feet thick. This is not normal.

The fallout from these atmospheric programs contains aluminum, barium, strontium, radium, boron, and many more metals and other chemicals which have been documented in almost all drinking water supplies in California and Arizona (unusual spikes), since 1989. The only way that these spikes could occur is from air application. The question I have is “why”? And if you try and chase down the answer all you will hit are dead ends.

Shifting man-made cloud cover and haze are reducing solar illumination on most days. Solar companies are reporting reductions in capacity from 25-40%. On other days the sun is so hot that we are getting “burn days” that look like freeze burn on plants. These days have Ultra Violet intensities exceeding 11 on the UV Scale (where 10 was the highest reading to current readings over 13). Everyone is has been getting sunscreen warnings.

The climate alternates between man-made cloud cover and haze, rapid evaporation to make artificial clouds that steal water from rivers, soil, trees and plants, while being burned...no plants or tree can live long under these conditions. Rain water virtually disappears over night after moderate rainfall. There has been no drought, but extremely fast water loss. Rapid evaporation is common with clouds forming and ionized air.

This climate modification coupled with increasing air pollution could well be responsible for all of the chaos now occurring in our weather systems...and could increase fire and storm intensity.

- C. THE NATURAL BIO-RESTORATION ALTERNATIVE – “A BIO-REMEDICATION ALTERNATIVE”**

D. TREE DEATH IN THE SIERRA'S

Tree Death in the Sierra Nevada Mountains of California / Nevada, has doubled since 1983. Diebacks have occurred from Alaska to Mexico. They reported no cloud cover for significant duration, but there may have been high thin cirrus that escaped their attention.

E. SUMMARY: ECOLOGICAL SOCIETY OF AMERICA - 2007

Presentations at the Society meetings in San Jose, CA during August of this year, included reports by scientists at the U.S. Geologic Survey's Western Ecological Research Center of dramatic tree deaths in the Sierra Nevada mountains in California from insects and disease linked to warmer weather and drought. [I have not seen discussion on UV burn days vs. heat in general]

Other presentations included reports that stress and diebacks have occurred from Alaska to Mexico, and since 1997 have involved more than 20 million hectares (near 50 million acres) and many tree species. Papers will be available: <http://www.esa.org/sanjose/>

F. **LAKE COUNTY, CA, 2007 – PERSISTENT JET CLOUDS** - Spread out into very thin cirrus that drift east. The haze from the fallout burns the eyes and makes the nose run ... all too common here. These clouds and effects were not on the cloud sky charts when I was a US Air Force weather observer.

G. JET EMISSION CLOUD FORMATION

- CLOUD FORMATION FROM AIRCRAFT IS REAL AND WIDESPREAD
- UNNATURAL CLOUD COVER INCREASES GLOBAL WARMING
- CLOUD FORMATION INCREASES SURFACE EVAPORATION
- INCREASED EVAPORATION DECREASES AVAILABILITY TO PLANTS, INCREASING STRESS
- ALTERED MOISTURE & SOLAR PATTERNS ALTER ECOSYSTEM AND CLIMATE

H. **AIR POLLUTION:** 100,000 die/year (USA), millions have respiratory problems and people living in cities spend 90% of their time indoors.

- VEHICLE EMISSIONS
- BURNING FOSSIL FUELS - UNFILTERED
- DIRTY EVAPORATION FROM WATER AND SOIL POLLUTION - CREATES POLLUTED AIR
- DEPLETED SOILS – LOSS OF AGRICULTURE – LOSS OF SOIL – DUST STORMS

I. WATER POLLUTION

- POLLUTION IS "NUTRIENT" FOR PATHOGENIC MICROBES AND SPREAD OF DISEASE
- INVASION OF TOXIC ALGAE – A WORLDWIDE WATER QUALITY PROBLEM

27. THE BIO-RESTORATION ALTERNATIVE

- THE ROLE OF MICROBES
- ORGANIC VS. ANTI-BIOTIC, ANTI-MICROBIAL
- POLLUTION AND THE ATMOSPHERE

28. THE ROLE OF MICROBES

- The oldest life forms on the planet which made all other life forms possible
- CREATION OF ATMOSPHERE – CONSUME AND CONVERT POLLUTION
- RESTORE SOIL ORGANIC MATTER (SOM) - ONLY KNOWN MEANS
- REMOVES ALL POLLUTION – EXCEPT "ANTI-LIFE" COMPOUNDS THAT CREATE MUTATIONS

29. ORGANIC RESTORATION

MICROBES ARE CRITICAL FOR:

- REMOVING TOXINS

- DECOMPOSITION OF ORGANIC MATTER
- IMMOBILIZATION OF MINERALS
- PLANT GROWTH AND HEALTH
- DISEASE PROTECTION
- AGGREGATION OF SOIL PARTICLES
- RECYCLING OF MINERALS
- TO GO ORGANIC IS TO GO MICROBIAL

- 30. ORGANIC VS. ANTI-BIOTIC, ANTI-MICROBIAL
-
- ORGANIC (Pro-biotic, good idea)
- NATURAL BENEFICIAL BIOTA RESTORATION
- HEALTH AND ECOSYSTEM IMPROVEMENT
-
- “ANTI”- ENVIRONMENT RELEASE (Bad Idea)
- KILLS ALL MICROBES – INCLUDING BENEFICIALS
- PREVENTS ORGANIC RESTORATION
- BREEDS SUPERBUGS
- ACCUMULATES IN THE ENVIRONMENT – Ocean Dead Zones
- DESTROYS NATURAL PROCESSES
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- 31. POLLUTION & ATMOSPHERE

... IF POLLUTION IS DRIVING CLIMATE CHANGE BY DESTROYING OUR NATURAL BENEFICIAL SOIL AND WATER MICROBES THAT “CLEAN” THE EARTH ...

... THEN CLEANING UP AND REDUCING POLLUTION SHOULD REVERSE THE PROCESS AND RESTORE OUR ATMOSPHERE AND NATIVE ECOSYSTEMS

32. THE BIO-SYSTEM – Microbe Tech formulations of natural, beneficial microbes

MICROBIAL RESTORATION PROJECTS

- WATER
- PLANTS
- SOIL
- ECOSYSTEM
- A SAFE, PROVEN, ORGANIC TECHNOLOGY
-
- 33. WATER RESTORATION – SEWAGE - FOREST LAKE, LAKE COUNTY, CA

34. WATER RESTORATION – TOXIC ALGAE - WEST BAHIA POND - 2006-07

110 SURFACE ACRES – ESTUARY - PETALUMA RIVER DRAINAGE, NOVATO, CA

- HYDROGEN SULFIDE – 300+ ppb (Parts per billion) (30 ppb is high)
- SULFUR COMPOUNDS
- NEURAL TOXINS – absorbed through skin, air and water
-

PICTURE (L) OF WEST BAHIA POND PRE-TREATMENT – Water gray with black streaks, viscous, strong sewage odors, burn eyes and lungs, hazardous, undrinkable

- HOT, STAGNANT, SHALLOW WATER
- PUBLIC NUISANCE ODORS – Hazardous when concentrated
- HEALTH RISKS
- TOTAL WILDLIFE AND FISHERY LOSS

PICTURE (R) OF BLUE GREEN ALGAE (CYANOBACTERIA) *Anabaena spiroides*

Strong sewage smells blow across Bay Area and numerous cities

35. PRE-TREATMENT - WEST BAHIA POND

PICTURE (UPPER LEFT) - Comparison of Central Bahia Pond & West Bahia Pond.

PICTURE (LOWER RIGHT) - 149 days: Comparison of ponds – Ponds reversed conditions.

PICTURE (LOWER LEFT) - Day of treatment, water turned brown and odors disappeared.

PICTURE (UPPER RIGHT) - Pre-treatment - algae by-product piled on shore – looked and smelled like human excrement. Toxins mobile through skin, air, water.

36. BAHIA POND – ADDITIONAL BENEFITS

PICTURE (UPPER LEFT) - Stimulation of native diatoms for accelerated cleaning. Diatoms used the microbe released plant silicone for bodies and reproduced in huge numbers.

PICTURE (UPPER RIGHT) - Creation of a “microbe sink” in the pond. As contaminated waters from adjacent slough entered, it was cleaned too. Winter overflow will then treat larger marsh.

PICTURE (BOTTOM) – Ponds have reversed condition. Fish & wildlife restoration. Now only pond it group with fish and wildlife, no algae, and good smell.

37. WATER RESTORATION - WINERY LAKE PROJECT, HEASLDSBURG CA 2004

- COPPER SULFATE REMOVED – 25+ TONS
- RESTORED AQUATIC HABITAT
- RESTORED FISHERY AND WILDLIFE
- RESTORED RECREATION USE

38. WATER TREATMENT EFFECTS WITH MICROBE PRODUCTS – University of San Francisco Studies

[“When AQ-3 is added to lake or pond water several events occur. The first measurable result is that levels of *E. coli* drop substantially.](#)

[The second effect, seen over time, is that individual species of algae do not exhibit excessive growth rates that lead to nuisance algae blooms.](#)

[The net effect seems to be a balance in the overall population of algae cells in the water column ... that appears to “regulate plant growth and development ... and does not contain substances that are toxic, persistent in the environment nor bio-accumulate.”](#)

Dr. James Brown
Institute of Chemical Biology
University of San Francisco, CA USA

39. SEWAGE TREATMENT

- PROVEN RECYCLING METHOD - REDUCE WATER SHORTAGES

- REMOVE PATHOGENS, CHEMICALS, HORMONES, ETC
- DIGEST ORGANIC SOLIDS
- REMOVE ODORS

NEW FULL-TREATMENT SYSTEM DEVELOPED

- “POINT OF SOURCE” TREATMENT AND USE
- HIGHER WATER QUALITY TREATMENT (POTABLE) 1/3 COST
- SMALL, UNITIZED, PORTABLE, EFFICIENT - SCALE UNITS TO DEMAND
-

40. NATIONAL SECURITY
- PROTECTION OF WATER RESOURCES FROM TERRORIST ACTIVITIES SUCH AS BIOLOGICAL AND TOXIC CHEMICAL CONTAMINATION.
 - NATURAL BIOLOGICAL DEFENSE SYSTEM - PROGRAMS CAN BE DEVELOPED FOR TREATING LAKES AND WATER BODIES TO REMOVE POLLUTION AND PROVIDE DEFENSE.
41. PLANT RESTORATION
- PLANT RESCUE - A "SUN LOTION FOR PLANTS" - FOLIAGE SPRAY ADDS NATURAL MICRO-FILM COVER, PROTECTS FROM UV BURNING & THERMAL EXTREMES
- INCREASES MOISTURE RETENTION
 - PROTECTION FROM PATHOGEN INVASION
 - RESTORE OVERALL HEALTH AND IMMUNITY
 - STIMULATE VITALITY AND PRODUCTION
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42. MANZANITA RECOVERED FROM NEAR DEATH
PLANTS MOSTLY DYING, LARGE HOLES ON CANOPY, FUNGUS EVERYWHERE
CALIFORNIA DEPARTMENT OF FISH AND GAME, YOUNTVILLE CA – TESTIMONY AVAILABLE
43. RECOVERY OF FOLIAGE FROM STRESS AND "SOD" INVASION – (FROM ALL PATHOGENS)
TREATED FOLIAGE IN LEFT FOREGROUND ... UNTREATED ON RIGHT. SOD DEATH ON TREE UPPER CENTER
44. CALIFORNIA LAUREL (BAY) IN PRIME HEALTH IN SOD AREA
MANZANITA NEARLY DEAD FROM SOD AND RESCUED WITH FOLIAR F-1.
45. TESTS PROVE STRESS RELIEF AND RECOVERY FROM PATHOGENS
"The results obtained [tests of F-1] indicate that there was good control of *Phytophthora [ramorum]* *Pythium* and *Fusarium*."
- "Since there is no good fungicide presently available for the control of *Fusarium* and *Pythium* in the soil, these products could be a good alternative for the control of these pathogens."
- Olaf K. Riberio
Ph.D. CPPP. Certified Professional Plant Pathologist.
-
- University of California, Berkeley, research proves treatment
The products "... successfully out competed and predated on *P. ramorum* [Sudden Oak Death pathogen]"
46. ORGANIC SOIL RESTORATION
REMOVE POLLUTANTS: CHEMICALS, HERBICIDES, PESTICIDES +
RESTORE SOIL ORGANIC MATTER
- CONVERT "WASTE" TO "WEALTH"
 - IMPROVE PLANT HEALTH & PRODUCTION
 - IMPROVE WATER RUNOFF QUALITY - EVAPORATION – AIR
47. FEED SUPPLEMENTS & WASTE MANAGEMENT
LIVESTOCK / POULTRY / HUMANS
- ALL NATURAL HEALTH SUPPLEMENTS
 - REPLACE HORMONES, ANTI-BIOTICS
 - STOP SUPERBUG MUTATIONS
 - MANURE CLEANING IN HOUSES / PASTURES / SEPTIC SYSTEMS
 - CLEAN DISCHARGE TO WATERWAYS
 -

48. GEOENGINEERING PROGRAMS

ALL OTHER PROPOSED AND SECRETELY IMPLEMENTED PROGRAMS DO NOT ADDRESS THE MOST IMPORTANT PROBLEM ... RESTORATION OF THE ECOSYSTEM USING ACCELERATED ORGANIC PROCESSES

- CLOUD CREATION: Jets are already creating cloud cover with reduced solar reduction and pollution fallout. An ecological problem - not a fix.
- ADDITION OF SULFUR TO ATMOSPHERE for light reduction would be an additional cover impact. Cloud cover and haze are already dimming light, creating greenhouse effect and reducing solar alternatives.
- ADDITION OF IRON TO OCEANS: It will not fix the ecosystem - unknown consequences. It may be stop gap.
- ADDITION OF CARBON BLACK: It will not fix the ecosystem & could aggravate carbon sequestering.

49. REVERSING CLIMATE CHANGE

LEADING SOIL SCIENTISTS ESTIMATE A 1% INCREASE IN SOIL ORGANIC MATTER (HUMUS) COULD CAPTURE ALL OF THE EXCESS CARBON AND REVERSE TRENDS

WE SHOULD BE ABLE TO REACH THIS GOAL MANY TIMES OVER

THIS IS NOT JUST A GOOD IDEA ... IT IS IMPERATIVE!

50. GLOBAL TREATMENT PROGRAM

- TREAT ENTIRE WATERSHEDS
- FOCUS ON AREAS WITH MOST RAPID WATER LOSS BY
- TREAT OCEANS AND USE CURRENTS FOR SPREAD
- NEUTRALIZE ANTIBIOTIC WATERS (DEAD ZONES) FOR MICROBIAL CONVERSION

51. PRIORITIES

WATER RESTORATION – Pollution & disease removal

SOIL RESTORATION - Rebuild soil base and clean runoff

PLANT PROTECTION – Micro-film sunscreens

TREAT MAJOR RIVER SYSTEMS AND WEATERSHEDS: NILE, AMAZON, YALU, EVERYWHERE.

TREAT LARGE LAND AREAS WITH DEPLETED SOILS AND DIMINISHING WATER SUPPLIES: USA, CHINA, INDIA, AFRICA, EVERYWHERE.

DEVELOP PROGRAMS FOR TREATING ALL POLLUTION (INCLUDING NUCLEAR), AND WAYS TO PROVIDE DISBURSAL AND CIRCULATION.

FUNDING

HUMANITARIAN FUNDING IS AVAILABLE FOR BIOREMEDIATION.

THINKING OF CHARLEMAGNE:

“LET THE TREES AND THE ROCKS AND THE BIRDS, [AND THE GOOD MICROBES IN THE SOIL] BE MY ARMIES.”

I TAKE LIBERTIES SINCE MY PARTNER IS ONE OF HIS DECENDANT.

ONE PEOPLE – ONE PLANET

LET'S WORK TOGETHER

USE NATURE TO HEAL NATURE