

### **The U.S. Navy Charged Aerosol Release (CARE) Experiment**

On September 19<sup>th</sup>, 2009 the Navy and NASA sent a sounding rocket into the atmosphere over the Atlantic Ocean and released a “cloud” of charged aluminum oxide particles so they could study artificially created noctilucent “clouds” and other effects. The U.S. Navy called this their CARE, the Charged Aerosol Release Experiment.

**Paul Bernhardt** is the principal investigator for the Navy’s Research Lab in Washington, DC. In a September 21, 2009 article by Rachel Courtland in *New Scientist Magazine*, Mr. Bernhardt stated, **“The CARE experiment could also pave the way for future launches that would use the uppermost part of the Earth’s atmosphere as a large physics laboratory for studying charged dust.”** Some of us take exception to this. Why are the major media networks not covering this story and where is the public and legislative oversight?

### **Geoengineering Experiments**

In an October 30, 2009, MSNBC article by Miguel Llanos, titled *“Willing to give up blue skies for climate fix? Geo-engineering gets closer look at a ‘Plan B’: Llanos states that “A new study describes pros and cons of cooling Earth via a thin cloud of aerosols [Solar Radiation Management]. Techniques cited to do that are... artillery cannons, a miles-long tower, military aircraft and stratospheric balloons.”* It seems to us that this kind of reporting, which has become increasingly prevalent in the last months, intends to prepare the public for the inevitability of geoengineering techniques like SRM.

**Atmospheric Experimentation:** Increasing numbers of patents and ongoing government experimental atmospheric experiments lead us to believe that these techniques may be part of an increasing number of atmospheric experiments conducted by the U.S. Military.

Could this be the “Sunshield,” recommended by Edward Teller before his death in 2003, intended to defend Earth from the sun’s burning rays from their current and increasing atmospheric experimentation? It’s important, I think, to remember that Teller is also the Father of the Hydrogen Bomb.

Dr. Teller’s “Sunshield” - US Patent 5,003,186 - March 26, 1991: the “Stratospheric Welsbach seeding for reduction of global warming,” assignee: Hughes Aircraft Company? In this patent “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.”

**When was the public’s permission given for a program that admits to “seeding” our sky with aluminum oxide, thorium oxide, or other Welsbach-like material?**

These are materials characterized by wavelength-dependent emissivity or reflectivity, having high emissivity in the visible and far infrared wavelength regions and low emissivity in the near infrared wavelength region in particle sizes from ten to one hundred microns. Once the tiny particles have been dispersed into the atmosphere, the particles may remain in suspension for up to one year. Then what? Where are the Environmental and Human Health studies? (One should also note that volcanoes erupt worldwide each year negating the need for any type of geoengineering projects to be deployed.)

**Why is Congress not addressing the effects on Agriculture, Forestry and essential life processes?**

Loss of direct sunlight and chemical fallout are critical issues which remain unaddressed David Keith has stressed that they have conducted a few studies in this area but is quick to note that they have not been released to the public. This leaves many questions about why these particular studies have not been released.

**Please consider, as well, the following US Patents which - if in use - could contribute to the alarming rise in Alzheimer’s, Asthma, and Autism.**

- **U.S. Patent 5,360,162 - November 1, 1994: “Method and composition for precipitation of atmospheric water.”** Its “Abstract” reads as follows: “A method for precipitating atmospheric water by means of multi-component aerosols, including iodide based complex multi-component aerosol compositions. The compositions comprise a solid mass formed by a compacted mixture of silver iodide and the iodides, iodates, and periodates of alkali metals, lead, copper, barium; ammonia, barium chromate, and selected oxidizers such as ammonium perchlorate, and fuels such as poly-p-phenylene, phenol formaldehyde resin, epoxide resin, and shellac and mixtures thereof. The compositions, upon burning, produce an aerosol effective to promote atmospheric water precipitation.”

- **U.S. Patent 3,899,144 - August 12, 1975: “Powder *contrail* generation”** - “Abstract: Light scattering pigment powder particles [can be titanium dioxide, colloidal silica and silica gel], surface treated to minimize in particles cohesive forces, are dispensed from a jet mill deagglomerator as separate single particles to produce a powder *contrail* having maximum visibility or radiation scattering ability for a given weight material.” [Note the date of this patent and the one following.]
- **U.S. Patent RE29, 142 February 22, 1977: “Combustible compositions for generating aerosols, particularly suitable for cloud modification and weather control and aerosolization process... Abstract: A combustible composition for generating aerosols for the control and modification of weather conditions consisting of a readily oxidizable substance selected from the group consisting of aluminum, magnesium, alkali-metals and alkaline earth metals...”**

(There are many patents which are unregulated and may be used in combination, without research concerning their individual or combined effects on our atmosphere and the natural systems of Earth.)

**Add to these the use of satellites to “modify” our atmosphere:**

- **U.S. Patent 5,762,298 - June 9, 1998: “Use of artificial satellites in earth orbits adaptively to modify the effect that solar radiation would otherwise have on earth’s weather.”**
- **U.S. Patent 5,984,239 - November 16, 1999: “Weather modification by artificial satellites.”**

**This brings us to discussion of the *admitted* use of our atmosphere for military purposes, again without public awareness or permission and without research into synergistic effects.**

For example, this - from the US Air Force website - does deserve our attention: “Chaff and flares [and it is the chaff we are most interested in for purposes of this accounting] are defensive counter measures used on aircraft to confuse radar and heat seeking missiles. Chaff is used as a decoy for radar seeking missiles and is made of glass silicate fibers with an aluminum coating. These fibers are approximately 60% glass fiber and 40% aluminum by weight. The typical Air Force RR-188 chaff bundle contains about 150g of chaff or about 5 million fibers. The fibers are 25 microns in diameter and typically 1 to 2cm in length. **In 1997, the Air Force used about 1.8 million bundles worldwide.**” It seems fair to conclude, given the many government aerosol programs, that there is a

lot of aluminum falling on us, and on the Earth's soil & water systems. We are the "Kindling" that lights the fire to provide the smoke signals to bring this issue to public attention, to enlighten others on these issues, and works to bring these programs to an end.

**In the US Air Force's 1996 white paper, titled "2025," they assert that the U.S. Air Force intends to "own the weather in 2025."**

- **On page 37 of the executive summary it states:** “..Weather as a Force Multiplier: Owning the Weather in 2025: In 2025, the US aerospace forces can ‘own the weather,’ as they ‘own the night’ now...Weather modification offers both the commercial sector and the military greatly enhanced capabilities...Weather modification will become a part of domestic and international security and could be done unilaterally, through alliance networks -- particularly regional ones - - or through an ad hoc coalition or a UN framework ability to generate precipitation, fog, and storms on earth or to modify space weather, improve communications through ionospheric modifications, [DARPA's HAARP, discussed further below], and the production of artificial weather...”
- **On page 36 of the same document they promote the "Incapacattack:** The Strings of the Puppet Master” including C2 attack: “command and control.” “This paper argues for subtle manipulation of human perception as a dominant characteristic of C2 attack in 2025...These technologies enable the development of the **Incapacattack** (pronounced, in-ca-pass-attack), a multi-component system that provides commanders with a range of attack options that can be used singly or in combination to influence an opponent, much as a puppet master manipulates the strings of a marionette...[including] a constellation of distributed mini-satellites, uninhabited aerial vehicles, ‘micro-know-bots,’ and a holographic projection capability...” [This is described in the document's previous paragraph as the **"...creation of synthetic environments that an adversary thinks are real..."**”

The Air Force's "2025" can be read as a companion piece to the 1990 HAARP Executive Summary which references C2, C3, C4 capabilities. C3 - "satellite *command, control* and *communications* systems must be responsive enough to position satellites in correct orbits to support the theater commander...Theater commanders require reliable, timely support from space to maximize their war-fighting potential. This includes communications, navigation, weather, missile launch warning, interdiction and data transfer..." All this "...to ensure that the US maintains space dominance..."

### **HAARP is the Department of Defense's High-frequency Active Auroral Research Program.**

While the 1990 document makes it seem a mere gleam-in-its-mother's-eye, it is in 2010, fully operational with capabilities which are disturbing enough for *peaceful* research but terrifying when applied to the arena of war.

Indeed, the Earth's atmosphere itself has been commandeered and fortified for martial law purposes, including manipulation of the Polar Electrojet and the Jet Stream, which regulates our US continental weather. Written by the Air Force Geophysics Laboratory and the Navy Office of Naval Research under the auspice of the Joint Services Program Plans and Activities, the table of contents includes: "Potential Applications; Geophysical Probing; Generation of ELF/VLF Waves; Generation of Ionospheric Holes/Lens; Electron Acceleration; Generation of Field Aligned Ionization, Oblique HF Heating and Generation of Ionization Layers Below 90Km". ELF is Extremely Low Frequency radio waves. (VLF=Very Low Frequency.)

### **There are many patents which form the basis for HAARP.**

- In 1977, U.S. Patent 4,042,196: "Method and apparatus for triggering a substantial change in earth characteristics and measuring earth changes..."
- In 1987 US Patent 4686605: "Method and apparatus for altering a region of the earth's atmosphere, ionosphere, and/or magnetosphere..." This patent states "..."Weather modification is possible by, for example, altering the upper atmosphere wind patterns or altering solar absorption patterns by constructing one or more plumes of atmospheric particles which will act as a lens or focusing device. Also as alluded to earlier, molecular modifications of the atmosphere can take place so that positive environmental effects can be achieved..."  
[Their concept of "positive" must differ from ours.]

## **Additional HAARP Information**

There are several known HAARP antenna arrays around the world. The U.S. has two in Alaska and one in Puerto Rico. It is speculated there may be as many as twenty such arrays worldwide. The HAARP installation in Gakona, Alaska is said to contain 34 acres of 130 antennae which are capable of directing electromagnetic energy with such intensity that it can “lift” the ionosphere. [We assert there can be no justifiable motivation for such profound atmospheric disruption.]

Most U.S. Citizens don't even know about the HAARP Program or the U.S. Department of Defense's atmospheric experiments. Where are the government agencies and individuals that are legally charged with the responsibility of protecting us and our environment? **Absent at this time and hiding under the banner of “National Security” classified information.**

## **SPACE PRESERVATION ACT OF 2001**

We commend Representative Dennis Kucinich (D-Ohio) for introducing in the U.S. House of Representatives on October 2, 2001: The “Space Preservation Act of 2001”. This bill, HR 2977, states its purpose is “To preserve the cooperative, peaceful uses of space for the benefit of all humankind by permanently prohibiting the basing of weapons in space by the United States, and to require the President to take action to adopt and implement a world treaty banning space-based weapons.”

Although HR 2977 was not passed into law, due to objections of the U.S. Department of Defense, the content of this Bill is an authoritative exposition of military capabilities which use the Earth's atmosphere. For that reason it is included here:

### **“In this Act:**

(1) The term ‘space’ means all space extending upward from an altitude greater than 60 kilometers above the surface of the earth and any celestial body in such space.

(2)(A)The terms ‘weapon’ and ‘weapons system’ means a device capable of any of the following:

(i) damaging or destroying an object (whether in outer space, in the atmosphere, or on earth)  
by--

(l) firing one or more projectiles to collide with that object;

(II) detonating one or more explosive devices in close proximity to that object;

(III) directing a source of energy (including molecular or atomic energy, subatomic particle beams, electromagnetic radiation, plasma or extremely low frequency (ELF) or ultra low frequency (ULF) energy radiation) against that object; or

(IV) any other unacknowledged or as yet undeveloped means.

(ii) Inflicting death or injury on, or damaging or destroying, a person (or biological life, bodily health, mental health, or physical and economic well-being of a person)--

(I) through the use of any of the means described in clause (i) or subparagraph (B);

(II) through the use of land-based, sea-based, or space-based systems using radiation, electromagnetic, psychotronic, sonic, laser, or other energies directed at individual persons or targeted populations for the purpose of information war, mood management, or mind control of such persons or populations: or

(III) by expelling chemical or biological agents in the vicinity of a person.

(2)(B) Such terms include exotic weapons systems such as--

(i) electronic, psychotronic, or information weapons;

(ii) chemtrails; (Note: This term has never been defined.)

(iii) high altitude ultra low frequency weapons systems;

(iv) plasma, electromagnetic, sonic, or ultrasonic weapons;

(v) laser weapons systems;

(vi) strategic, theater, tactical, or extraterrestrial weapons; and

(vii) chemical, biological, environmental, climate, or tectonic weapons.

(2)(C) The term 'exotic weapons systems' includes weapons designed to damage space or natural ecosystems (such as the ionosphere and upper atmosphere) or climate, weather, and tectonic systems with the purpose of inducing damage or destruction upon a target population or region on earth or in space."

**This list of Patents and Programs of Atmospheric Experiments would be incomplete without the “Bio-effects of Selected Nonlethal Weapons.”**

This is the title of an Army document which was declared unclassified in December 2006, as part of the Army’s response to a Freedom of Information Act Request. The document lists among the “nonlethal effectors...Laser and other light phenomena...Radiofrequency directed energy...and “Aural bio-effects...”

**The contents of this document dovetail neatly with the intentions of “2025” and “HAARP.”**

It discusses in detail the “Incapacitating Effects” that can be caused by “Microwave Heating: “...Disruption of Neural Control...Acoustic Energy...Laser-Induced Biological Effects...”. The details include: “...Biological Target/Normal Function/Disease State...Mechanism to Produce the Desired Effects...Technological Status of Generator/Aiming Device...Range...Time to Onset...Duration of Effect...and Recovery/Safety...”

While these documents appear to be recent, the roots of these weapons are deep in the terrain of earlier wars. The book: **“Tomorrow’s Weapons” by Brig. Gen. J.H. Rothschild, USA (ret.) was published in 1964.** Rothschild argues for: “...The morality of toxic warfare” and its “place...in the nuclear age...” The book’s appendix includes: “Properties of chemical agents...Some diseases of possible interest...and a Description of principal diseases of biological warfare interest...” It is interesting to note that distribution of these diseases is primarily through the use of “Aerosols,” although other means include water, food, fomites, and insects.

**EXPERIMENTAL WEATHER MODIFICATION PROGRAMS**

And last, for this list, are the current and ongoing experimental weather modification and mitigation programs brought to you by the U.S. Military, associated government agencies, universities, states, counties, cities, private corporations, private individuals, and others. Ongoing, without any legal - or neighborly - responsibility regarding their effects on neighboring areas. Rain, agriculture or weather patterns.

**There is “A Summary of Weather Modification Activities Reported” annually, available from NOAA, U.S. Department of Commerce:** We learned by way of a FOIA request that the summary exists only for the western states and reflects programs for “Fog Suppression, Rain Enhancement, Snowfall Augmentation, Snowpack” for enterprises as diverse as the “Desert Research Institute and the Telluride Ski and Golf Company.” Although, when compared to other atmospheric experiments

on this list of Patents and Programs, these programs seem benign they do have broader, unintended consequences beyond the area they are intending to serve. The destruction of agriculture micro-climates leads to crop production declines. And some areas may benefit from these programs while others feel the unknown negative consequences.

There is no public oversight over these programs. Congress has required to regulation of these programs or oversight. No public notification is required in advance of any of these programs being implemented or what chemicals, particles or techniques are used. In addition, no public notification is required.

**In conclusion**, we hope this will prove to be a convincing display of patents and programs which are outside of the legislative process and will help to underscore our concerns regarding the geoengineering techniques, such as Solar Radiation Management, which are currently being discussed for field testing and for implementation.

We have the documents available which support every item listed here. If it will be helpful I can email them to you. Please let me know at [bonne\\_fire@yahoo.com](mailto:bonne_fire@yahoo.com)

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Thank you,

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