

Some Facts and Comments on the Strange Clouds People Around the World Call “Chemtrails”, and Their Probable Relation to the HAARP System

Includes some directives for a possible scientific research plan



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[J. Manuel Feliz-Teixeira](mailto:manuelfeliz@gmx.net)

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manuelfeliz@gmx.net

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Updated info:

(14-Jun-2014): Rosalind Peterson, at the United Nations, about Geoengineering: <https://www.youtube.com/embed/L5is16A8pfw>
(06-Mar-2014): “UK Government admitting they spray us with Viruses [BBC]”: video: <http://youtu.be/Bzj848Z8jzU>
(27-Jan-2014): “Geoengineering Whistleblower ~ Ex-Military ~ Kristen Meghan, Hauppauge, NY, January 18th, 2014”. Here David Keith calculates that 1 000 000 people/year will have to die due to geoengineering: <http://youtu.be/jHm0XhtDyZA>
(28-Jan-2012): “Clouds of bacteria found at airline-cruising altitudes: Study”: http://www.thestar.com/news/gta/2013/01/28/clouds_of_bacteria_found_at_airlinecruising_altitudes_study.html
(03-Oct-2012): deliberate spraying of populations with chemicals, including radioactive elements: <http://rt.com/usa/news/us-radioactive-louis-martino-taylor-443/>

ABSTRACT

Near 10 years have passed since my eyes could for the first time observe one of those abnormal trails crossing the entire sky. It was a clean day of a wonderful blue sky. And, over our heads, a first line of a constant width hundreds of kilometres in length was splitting such a blue ceiling into two parts. Only a single flight did it, in the dozens of flights crossing our skies on that day. It seemed almost absurd, and an abuse, at the time. It was around the beginning of the Autumn of either 1998 or 1999, I don't recall exactly. Until then, our eyes used to find the skies naturally either clean and of a transparent blue or with clean normal clouds. It could rain or be a sunny day, no matter the atmospheric conditions, the trails of the aircraft had always been of the same kind: a little white tail of around 10 or 20 times the aircraft length, which in some seconds would dissipate into the atmosphere, leaving the sky completely clean as before. Curiously, since that day, the number of flights leaving abnormal trails have slowly been increasing, and, along the last 10 years, we have also seen many things degrading from the

sea water which slowly started to frequently exhibit a sort of bad smelling [foam fluctuating](#) along the coast, to the falling of thousands of bees dead before our feet, the sudden weakening and darkening of certain trees, which frequently died, like the pine and the eucalyptus, for example, to the mass deteriorating of citizens' health due to persistent respiratory problems and “strange” illnesses. In 2007, near 30% of the population of my country were already suffering chronic rhinitis¹. In this article we give a testimony of our own empirical observations and comment on some aspects that may be related to the phenomenon. We hope this may be seen as a contribution to those in the Sciences of Health and Environment who probably might like to investigate the issue by means of a truly scientific perspective. In that sense, we will also make some references to the project known as *High Frequency Active Auroral Research Program* (HAARP)², which many people on the Internet suspect of also being related to such abnormal aircraft trails.

1. Introduction

During the last months I have frequently thought of Einstein. This time not because of his work on Physics and challenging theories, but instead due to something that deeply impressed me in the story of his life: the fact that a man like him, a lover of these things, has finally been driven into deep sadness due to the *infinite stupidity* of certain human beings. War was, once again, obviously and ominously, at the centre of such a disappointment.

Sadly too, one can nowadays observe a tendency

¹Todo-Bom A, Loureiro C, et al, “Epidemiology of rhinitis in Portugal: evaluation of the intermittent and the persistent types”, SPAIC-Portuguese Society of Allergology and Clinical Immunology, Portugal, PubMed.gov, 2007 Sep; 62(9): 1038-43. [Summary here](#).

²HAARP official website: <http://www.haarp.alaska.edu/>

of a growing number of people falling into what I imagine an *Einsteinian disappointment*. An unusual number of people is getting deeply worried about what is happening in our world, and disappointed with what they see and feel, in such a way that many are even thinking either on giving up their jobs or urgently asking for retirement; lawyers, technicians, teachers, scientists, are being so exposed to this *strange stress* and deteriorating environment that even human relations seem to be seriously affected. It is probably a case of a faster than usual evolving human universe, and too much aggression, perhaps, but a lot of it is, in our opinion, due to the constant degradation of the environment we are living in. Could such a degradation provoke a sort of “sensation of extinction” which may also be felt by certain animals and justify their collective suicide, like dolphins and whales, for example? And even humans? How much will be needed for human beings to decide to give these issues the appropriate importance? Are we waiting for enough statistical relevance, or clear *evidence*, as some would say, which in practice means the previous death of millions, in order to take a move or to question what we are doing? The artificial clouds people around the world have started to call “chemtrails” are a good example of a reality which largely exceeds our expectations about humanity as a community of intelligent beings. Ten years have passed since the first day we have detected these abnormal trails in the sky, but, since then, not even a single reference to them have we seen in newspapers, or on TV. While we are almost daily informed of almost everything concerning the nails of a musician or of a star, for example, no information about this is given to the citizens. Instead, the word “pollens” was for long time being systematically launched into the media as an explanation for the astonishing rate of people developing respiratory illnesses. Strangely too, in the only place where the subject seems to be strongly debated and documented for years, the Internet, one may realise there were also groups aggressively playing with disinformation tactics, as if a real war, albeit silent in the media, would be on.

Of course any scientific mind will notice some strangeness around this subject, and it will also ask about what kind of a sinister and unexpected thing is going on in our times? Toads, for example, were seen frequently exploding in Germany at night

during 2005, as [reported worldwide](#), and a rise of 200 times in the rate of extinction of these animals have been observed recently³. News report about suspected mass suicide of dolphins⁴, groups of birds falling dead from the sky in New Jersey⁵, and in England⁶, and around the world. Thousands of dead octopus suddenly appeared on a Portuguese beach⁷; other times it happens with fishes. Again, in January 2011, 5 [thousand birds fall dead](#) from the sky in Arkansas while 100 thousand [fishes appear dead](#) 200Km away from that same place, in Arkansas river. Then, one could also mention the extinction of the bees, which are being badly affected⁸. All this, however, seems not to be enough to make those who *decided without citizens' permission* to cover our skies with artificial clouds to address the issue frankly and openly with the populations. And the universities seem not to have enough curiosity too, curiously. Instead, a game of hide and seek, ambiguity, cat and mouse, seems to go on implacably, even cruelly, we would say, leading most of the people on the Internet to suspect a large military project⁹.



Fig. 1 Abnormal aircraft trails slowly turning into artificial clouds, observed all over the world and very well documented on the Internet.

³McCallum, M. L. 2007. [Amphibian Decline or Extinction? Current Declines Dwarf Background Extinction Rate](#). Journal of Herpetology. 41(3):483-491

⁴Steven Morris, [“Dolphin deaths: Expert suggests ‘mass suicide’”](#), guardian.co.uk, Wednesday 11 June 2008 12.37 BST

⁵Carly Rothman / The Star-Ledger, [Hundreds of dead birds fall in Somerset County town](#), New Jersey Real-Time News, January 25, 2009, 9:47PM

⁶Daily Mail Reporter, [Grisly mystery after scores of starlings fall out of the sky and lie dying... in a SINGLE front garden](#), Last updated at 8:12 AM on 11th March 2010

⁷[Thousands of dead octopuses wash up on Portugal beach](#), BBC News, Sun, 03 Jan 2010 16:51 EST

⁸Michael Leidig, [Honey bees in US facing extinction](#), Telegraph.co.uk, 14 Mar 2007

⁹Search the internet for the article “Global Warming and Ice Ages.”

The first thought coming to our mind is: are not our military and our weapons being paid by our taxes? Second: are not our military a fundamental part of our proud *democracies*, which we once have thought on to export to the rest of the world? Would our righteous and courageous military be able to damage their own people?

Taking into account the silence and the lack of trust created by such a practice and such a silence, it is legitimate to wonder on some other side effects probably due to this activity, and ask some more questions which may, directly or indirectly, be related to the falling onto earth of some dangerous particulate that may be used in the process: why are our fruits and vegetables lately getting abnormally old and soft on the inside? Why are our ocean waters often covered with a [smelling-like-bacteria foam](#) that was not there before¹⁰? Why do PM10 particulate levels seem to rise when such an activity is going on in the skies? Why have tap water become terribly unpleasant and tasting almost dangerous, at least to our instincts, and do people often associate it with problems of their health? I may, for example, confirm that only after giving up drinking tap water could I get better, and almost free, of some abnormal involuntary movements that frequently were shaking my body for almost two years. And that was a time of intense activity of these aircraft, curiously. Could any chemical have entered the public water supply network? In the days of more intense spray, also the vision seems more affected for those who already have difficulties seeing; things appear defocused both from near and far. Unexpected muscle weakness, dizziness, headache and brain blockage are also common effects. The nose obstructed for weeks and even months and almost continuously running, or even bleeding, as if affected by some sort of strange bacteria, fungus, or virus, makes many people despair, while pharmacies go on selling *anti-histamines* like bread. Other times, one feels a little impression of burning around the eyes, and red in the skin. Some people frequently complain of pains and sensation of burning in the gorge. Curiously, once again, when there is such an activity going on. Sometimes one wakes up during the night with a strange taste and an extremely dry mouth, as if being poisoned by something in the air. And lately, the spray is being made during the night, curiously, probably for people not to notice it so easy? How could Einstein live the rest of his days

with the tranquillity any human being deserves, after being so much disappointed in his fellow human-beings' ability to create suffering?

2. What is that what people call “chemtrails”

One should not loose too much time discussing issues of nomenclature, since these often lead to a lack of perspective. In effect, they may put too much emphasis on something that may even be irrelevant: the name one gives to certain things. We could call those abnormal trails “*poisonous trails*”, or “*long clean water-vapour trails*”, on the other hand, but that would not add anything to the problem which is urgent to resolve. We will, therefore, call them like most of the people around the world decided to call them: “*chemtrails*”¹¹, since they obviously interfere with people's health and spread the fear that they may contain chemicals and even other sorts of dangerous particulate.

Chemtrails begin as abnormally long and thick aircraft trails, which can even extend for hundreds of kilometres. They usually stay almost static in the atmosphere, but slowly they get diffused side-ways, obviously depending on the action of the wind, that way first transforming into a sort of haze. Usually, this first veil of particulate already lost the form of a trail, so, less attentive people will hardly recognize it was caused by a trail. This veil of haze will slowly capture water from the ambience, and, in some time, it will be transformed into a cloud.



Fig. 2 Man-made type of clouds observed all over the world, which citizens started to call “*chemtrails*” due to the suspicion that they contain metallic particulate, salts and barium, among other “chemicals”. Many people also fear they may be used as vehicles for spreading virus, bacteria, and even genetically modified organisms or material.

¹⁰Click to see a video: http://www.youtube.com/watch?v=cF4_7PJfBe4

¹¹Some insist on calling them “*contrails*”, since they say it is a normal effect: <http://www.ucar.edu/news/features/clouds/>

Figure 2 showed a very interesting case of those *static clouds*¹². These clouds, in fact, contrary to what happens with most of the normal clouds, were not taken to that place by the wind. Instead, they were formed by inflation and dispersion around where those trails have previously been left. This is a fact that anyone can observe. These artificial clouds are usually seeded locally. They have been created there, and frequently will stay in the same place for long time, while getting thicker and thicker by means of the water they are able to absorb from their surroundings. Properly dumped, these artificial clouds may even transform into heavy rainy clouds, depending, once again, on the intensity of the aircraft activity and the products people suspect they are using¹³: metallic particulate, mainly aluminium and barium, “dry ice”, and silver iodine. During late afternoon, evening and night, these clouds look of an “unreal” luminescent orange, or yellow, while normal clouds still look grey or grey-blue. It seems also curious that the recent *Swine Flu* (H1N1) “pandemic” (2009) was by many on the Internet being linked to this activity, and “suspicious” connections between some elements of the *World Health Organization* (WHO) and some top vaccine manufacturers later became known to the public¹⁴.

It is very interesting, however, to realise that a sort of “*chemtrails solution*” has already been proposed a decade ago by [Edward Teller](#), the father of the Hydrogen Bomb, and others, in an article presented during a conference¹⁵ in Italy in the Summer of 1997. In that article, some methods for controlling the effects of a possible “*global warming*” provoked by human CO₂ emissions were discussed. One of the solutions was inspired by the cooling effect observed during the eruption of the Mount Pinatubo volcano in Philippines¹⁶ (1991); so, they propose (pp. 9-10) spreading into the upper atmosphere large amounts of sulphuric compounds like SO₂ and SO₃ (in fact highly responsible for acid rains), and even H₂SO₄ (sulphuric acid), as well as

reflective substances like alumina. The idea was to cool our Earth in order to protect us from our CO₂ emissions. It gets obvious from their text that, instead of attacking the causes and in that way promoting evolution in the society, evolution in terms of energy production and consumption, their option was to attack the effects, therefore provoking other kinds of perturbations that will produce more effects, which they obviously did not address in the article. And this we consider worrying too. The mentality of managing effects while systematically ignoring their causes is not appropriate to the survival of humankind, in our opinion. We live in a feedback system, so we must comply with the situation and analyse these important issues in terms of feedback too. Couldn't we instead use our imagination, our time, our resources and money, directed to curve down CO₂ emissions¹⁷ if that is the problem¹⁸? Couldn't we instead think on reducing such a warming effect by simply transforming the solar energy reaching the Earth into electricity? At least a part of that energy would directly be consumed by humans, instead of warming the planet. Couldn't that be a good source of energy for indirectly powering our future electric cars, for example? What are the costs of mounting huge solar systems in desert zones for such a purpose, compared to what we have to pay for a continuous *chemtrails* project running for decades and bringing with it the degradation of the environment and people's and animals' health? It is so strange that these issues seem not to enter into the calculation of “costs” for those “scientists” who unilaterally have decided to go ahead with such a sinister adventure, even if we so often hear the “*we are saving lives*” rhetoric.

What about painting our houses and buildings white, for example? What about at the same time abandoning the usage of fossil fuels, as even the actual president of the United States of America seems to defend¹⁹, and financing the research on electric transportation, promoting daily personal transport based on the decency of a bicycle, for example, perhaps electrical, and build good and

¹²Image source: the Internet. Lost address, but thanks, anyway.

¹³Personal conversations also raise the fear of depleted uranium and other metallic waste being used as remnant from recent war efforts.

¹⁴“Report: WHO overstated H1N1 threat”, Al Jazeera online, 4 June 2010. <http://english.aljazeera.net/news/americas/2010/06/20106485035915742.html>

¹⁵E. Teller, L. Wood, R. Hyde, “Global Warming And Ice Ages: Prospects For Physics-Based Modulation Of Global Change”, 22nd International Seminar on Planetary Emergencies, Erice (Sicily), Italy, August 20-23, 1997. Download article full text from:

<http://www.osti.gov/accomplishments/documents/fullText/ACC0229.pdf>

¹⁶Pinatubo eruption, 1991: http://en.wikipedia.org/wiki/Mount_Pinatubo

¹⁷Doesn't it seem an outrageous non sense that part of the particulate mix with which these clouds are being made is “dry ice”, which is CO₂?

¹⁸Couldn't most of the “planet warming” be simply due to the current very intense activity of the Sun, as it is known? Levels of UV are now extreme. If there would be a “green house” effect, wouldn't UV levels be reduced?

¹⁹Barak Obama, “Full text of Obama oil spill speech”, Al Jazeera online, June 16, 2010. Full text available at: <http://english.aljazeera.net/news/americas/2010/06/201061603015784580.html>

decent public transportation? What about stopping the astonishing and irrational production of plastic, which nowadays surrounds everything and nothing: in order to take home a simple *flash-drive* we have to carry it in a complex plastic envelop which is 10 times its dimensions. What about starting to think on reducing the armament and mainly the number of bombs in the Earth? Isn't there enough bombs yet in the world? Why not to think on distributing them, if they really have to exist, instead of producing more and more²⁰?

We may notice that Edward Teller et al, in the same document, did however advise: "*We believe that, prior to any actual deployment of any scattering system aimed at full-scale 1% insolation modulation, completely transparent and fully international research in sub-scale could result in public opinion conducive to a reasonable technology-based approach to prevention of large-scale climatic failures of all types. International cooperation in the research phase, based on complete openness, is necessary and may be sufficient to secure the understanding and support without which any of these approaches will fail*". So, why is this not being done yet, while instead people are kept in stress, fear and ignorance for a decade now?

We could, anyhow, realise that the technology used to seeding these clouds has obviously evolved during the last 10 years of experimentation, and it seems it is still evolving now. At the moment, one may notice that the aircraft only need around 1 or 2 hours in order to transform a clean and blue day into a grey day of winter, at least near the ocean. Rain is available, say, in some hours, if needed. This makes us wonder if a constant seeding of a large area of these clouds over the land and the ocean would not be enough to give people the impression that there is a *climate change* going on in the planet. It would, surely, be a man-made climate change. This should be addressed by people of science, in our opinion, since such a practice is also recently being transformed into a growing and massive business²¹. And, for those who would not even suspect, water is

²⁰Maybe in the future all the available armament should be kept by an international institution where all countries of the world would have a sit. Once two countries decide to go to war, they choose the weapons from the list of weaponry available, and then they are allowed to go to war. The winner should then pay the reconstruction of its opponent's country, by the principle: the loss of life is of superior importance than any war. Those who don't understand this are yet too rude to deserve humankind's respect.

²¹A cloud seeding company: <http://www.nawcinc.com/photos.html>

now a *commodity* traded in the *stock market*²².

The letter recently presented to the *European Parliament* questioning our representatives about these man-made clouds²³ is an obvious and strong indication on how important this subject became to European citizens. As a structured collection of thoughts and observations, the present article has also been inspired by this letter. It may be seen as our contribution for the propagation of the urgency of protecting citizens from what is happening in their skies²⁴, their water²⁵ and their environment without their knowledge and permission. Please, feel free to spread it.

*

3. The power of the HAARP machine

Almost no one talks of *chemtrails* today without relating them to something even more fascinating: the HAARP machine. That is the *High Frequency Active Auroral Research Program*, which basically is an array of 180 high-frequency radio transmitters disposed in an area of 13 hectares, as shown in the next figure (Fig. 3). Such an array is at present²⁶ prepared to emit around 3,6MW of power in the form of radio waves (electromagnetic) in the 2-10MHz frequency range. It seems that one of the ideas is to focus a powerful beam of energy into the upper atmosphere, the ionosphere, around 100Km high, and experiment with it. These 3,6MW roughly correspond to the power consumed by 360 homes with all lights and machines switched on.

Updated info about HAARP:

(19-Jun-2014): "HAARP's future uncertain as Air Force plans to dismantle program", Russia Today. <http://rt.com/usa/167172-haarp-future-uncertain-air-force/>

²²James E. McWhinney, "*Water: The Ultimate Commodity*", Investopedia, 2006. Read at: <http://www.investopedia.com/articles/06/Water.asp>

²³Letter from Erik Meijer to the EU Commission, European Parliament: question on aircraft condensation trails which no longer only contain water (full text), Strasbourg, France, World Aeronautics Press Agency (online), 2007-07-30 04:03 pm.

²⁴Good video example: <http://www.youtube.com/watch?v=nSK9iie3eAo>

²⁵Video example: http://www.youtube.com/watch?v=DG_h77PDayU

²⁶This part of the text was written during 2010, but the article was finished only during 2011.



Fig. 3 The main element of the HAARP project²⁷: a powerful array of 180 radio emitters, capable of generating 3,6MW of electromagnetic power in the 2-10MHz frequency range (2010). Alaska, USA. Coordinates = (63°32'30"N, 145°09'03"W).

Such a power concentrated into a beam of 50m diameter, for example, gives a power density of near 2 times the normal sunlight intensity. If focused into a beam of 20m diameter, the power density rises to 11 times the power received from sunlight, which would be more than enough to start burning a forest in a second, for example. As the beam is restricted into a smaller area the power density sharply rises in a squared proportion; focused into a 2m diameter, for example, that would be like receiving there the energy of 1150 suns! Enough to vaporise a missile, and probably one of the reasons why this machine is being financed by the United States Air Force and Navy²⁸.

We may wonder (ignoring the absorption in the atmosphere) what would happen if such a power would for a second be focused into a forest in any place of the world. We may also wonder what would happen if a beam of some a dozen metres diameter would be pointed down to Earth into a lake crowded of toads living their lives, for example. But we may also think on what would happen to birds crossing it in the sky, and to the bees, or on what would be the result of using this power for suddenly warming a certain place in the planet, a town, for example. If we think on some of the possibilities emerging from a system like this we naturally get worried. But even more worried we become if we think on the effects this machine can probably produce by using the powers behind “frequency” and induced oscillation. For a better understanding of all these possibilities, we reserve the next section for a brief explanation of

the basic physics behind this system.

4. The Physics available to HAARP

Probably, most of the people look at HAARP as a sort of a gigantic heater, or radiator, therefore able to produce strong power density effects, like rising temperature, or even burning, for example. But, that is only half its potential. Wave mechanics have something very particular which seems to be at odds with our usual tendency of thinking of power, named *oscillation frequency*. For those who are not familiar with wave physics, *frequency* is simply the rate of the oscillation of a *periodic phenomenon*, which may be measured in seconds per period, or in terms of its inverse, named cycles per second, the same as *Hertz* (Hz). The electromagnetic radiation emitted by the HAARP machine may oscillate in the range between 2 million cycles per second and 10 million cycles per second. Since it is an energy made of electromagnetic waves, it propagates in space with roughly the speed of light, that is, 300 000 Km in a second. Which means, for the average person, instantaneously. We are, therefore, talking about a machine that “instantaneously” would be able, at least in theory, to transfer the energy of 360 homes operating at their maximum power into a single place in the ionosphere, as well as into a place of our world if some type of reflection is imposed on the beam:

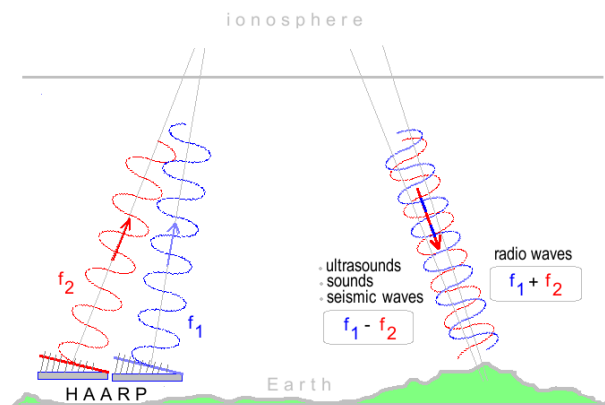


Fig. 4 The HAARP emitter as a powerful antenna capable of generating diverse frequencies, generically represented here by f_1 and f_2 . The superimposition of these two signals may generate two different waves: one of an higher frequency, given by the sum ($f_1 + f_2$), and one of a lower frequency, given by the difference ($f_1 - f_2$).

Figure 4 tries to illustrate the concept of HAARP, which basically acts as a gigantic antenna able to

²⁷Image taken from the following address (we thank the contribution): http://www.bibliotecapleyades.net/ciencia/echelon/images/haarp_6.jpg
²⁸HAARP official website: <http://www.haarp.alaska.edu/>

transmit energy in several frequencies, in the figure represented generically by f_1 and f_2 . This probable “ability” of HAARP is, in our opinion, one of the most perturbing aspects of the system. Frequency may induce forced oscillation into a variety of structures, since each structure has some *proper frequencies of vibration*. Once it is excited in one of these frequencies, it rapidly starts to absorb energy from the source of excitation and suddenly the amplitude of the vibrations rises till the point that the structure either burns or breaks. This is what happens, for example, when someone forces a crystal glass to “sing” by means of rotating a wet finger around it, as well as what happens in the interior of a laser. It is called *resonance*. Thus, frequency is a very “selective” method for inducing perturbations in many structures, either of material or biological or even of the psychological kind. The universe is in itself a vibrating structure, of an infinite dimension. Even information can be seen as a vibrating phenomenon, since we feel perturbed with the repetition of certain images and sentences frequently used in propaganda and advertising, for example. Humankind should think very seriously before allowing its scientists to play with *resonance* effects, because that is playing with the strings of Nature, which can be seriously damaged, or even destroyed, if not played gently.

Still based on the previous figure, it is known that if two beams of slightly different frequencies are mixed, the result can be seen as producing two different waves: one of a higher frequency ($f_1 + f_2$) and another of a lower frequency ($f_1 - f_2$). If, for example, we would decide to emit a wave of 3,00MHz with half of the HAARP system and one of 3,05MHz with its other half, then we would be able to generate a “lower” wave of $3,05 - 3,00 = 0,05\text{MHz} = 50\text{KHz}$, which is a frequency typical for dolphins and whales to communicate, for example, and also able to interfere with certain bones of the animals²⁹. This would be possible using emitters with a frequency precision of $0,05/3,00 = 1,7\%$. So, very easy to achieve. However, since we know the machine can generate audio signals of $15\text{Khz} = 0,0015\text{MHz}$ by proper modulation³⁰, we believe that at least it is able to operate with a frequency

precision of $0,0015/3,00 = 0,05\%$, which seems a good precision for electronic instrumentation. This means that HAARP can in fact be used to produce ultrasonic and sonic waves, which interfere with a wide range of material and biological systems, and also with the activity of the brain³¹. An example of sonic interference with the human brain is the anti-loitering security system know as “mosquito”, which emits high-pitch noises of around 17,5KHz in order to disperse youngsters³². HAARP may theoretically be capable of interfering with people's and animals' minds and bodies, in our opinion, or even to be used as a sonic weapon³³.

To generate typical seismic waves, however, of $0,3\text{Hz} = 0,000003\text{MHz}$, HAARP would have to emit with a frequency precision of $0,000003/3,00 = 0,00001\%$, which means at least 7 digits. We suppose this is not so simple to achieve. But, avionics, marine, military and important scientific instrumentation often use $6\frac{1}{2}$ digits of precision, so, even if it may not be a simple task, it may at least theoretically be feasible. In that case, HAARP would probably be capable of triggering earthquakes, volcanic activity, etc., by these means. We will see soon that some practical issues may in fact reduce the capabilities of this machine.

Pulsed emission:

We have talked about continuous emission, till now. But there is also the possibility of operating this machine by using pulsed emission. Since this is a text for people in general, with average knowledge of technology, we will not distinguish here the various types of modulation used in pulsed systems. But notice that the emitter will be now operating in a single frequency (f_2), which is pulsed in a time interval T . The basic schema is depicted in the next figure (Fig. 5).

²⁹Killer whale reception of sounds, as a didactic example: <http://www.seaworld.org/infobooks/KillerWhale/senseskw.html>
³⁰See <http://www.haarp.alaska.edu/haarp/gen1.html>

³¹Not only brain blockage, but also a sort of a strange sleeping mood. A general bone “weakness” and a little pain in the ears are frequently referred to by some people too.

³²Example of a *mosquito* system: <http://www.compoundsecurity.co.uk/>

³³Jack Sargeant, “*Sonic Weapons*”, *forteantimes* online (www.forteantimes.com), December 2009. Available on Internet at: http://www.forteantimes.com/features/articles/256/sonic_weapons.html

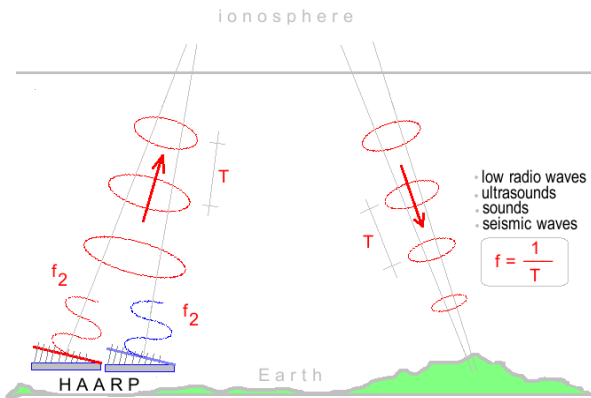


Fig. 5 The HAARP emitting in a pulsed mode. In this mode, a single frequency of emission f_2 should be capable of exciting another system with diverse frequencies ($f = 1/T$) by simply adjusting the time separation between pulses (T).

That is, the emitter is switched on during a certain period of time, sends energy into the target, and then it is switched off during a certain time. Roughly, the frequency with which it excites the target is given by $f = 1/T$. This frequency can be adjusted with great precision by simply adjusting T .

Thus, by choosing different values of T (in truth, the intensity of the pulses can also be adjusted), it is theoretically possible to generate a wide range of output frequencies to excite the target, going from the low-radio waves to the ultrasounds, the sounds and even the infra-sounds. That would be a very powerful and versatile machine. Nevertheless, to directly interfere with matter it would be necessary to transmit enough *momentum* by this method. And that is not possible. The force of the impact on the target by each of those pulses of energy is extremely weak. It is given by the amount of power over the speed of light³⁴. For instance, the total force exerted on the area receiving 3,6MW would only be around 0,012 N, that is 0,0012 Kg = 1,2 g. And this is ridiculously weak for inducing any seismic effect, for example. It rests, in our opinion, the possibility of inducing *indirect effects*, as suggested in figure 6:

Suppose the machine is switched on during, say, 1,5 seconds. During this period it transfers a huge amount of energy into the place of the target. The materials in that place will absorb such energy and react, by expanding, for example. Then, the machine is switched off for, say 1,5 seconds. The materials in the place release the energy into the surrounding

medium and contract. Then, the machine is switched on again, and the process is repeated. Everybody knows that a wet finger going around a glass of water is a ridiculous effect; but a wet finger going around a glass of water *repeatedly* may even explode the glass, since it interferes with its internal structure. In the example we gave, the period of repetition is 3 seconds, so, the target would mainly be excited with a frequency of 0,3Hz. This could perhaps be a very simple method to generate seismic frequencies, which are in the range from 0,001Hz to around 1Hz, and associated with phenomena with periods of oscillation between 1 and 1000 seconds.

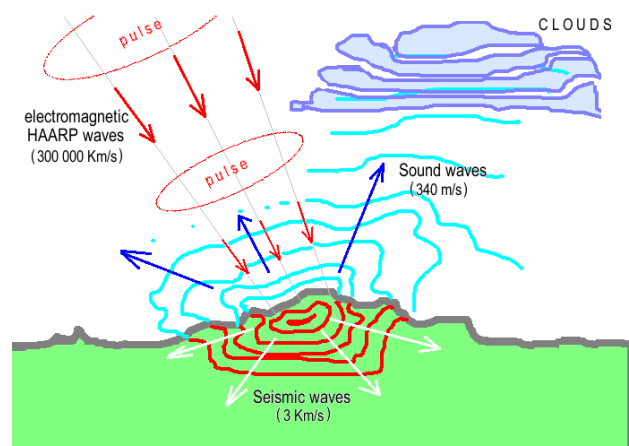


Fig. 6 HAARP emitting in pulsed mode and some of the indirect effects probably observed in the place of the target.

The previous figure (Fig. 6) tries to give an idea of some indirect effects probably observed during an HAARP pulsed activity. Basically, the *seismic waves* indirectly generated may transform into very-low frequency *sound waves* while changing of medium of propagation and entering the air³⁵. This, at least theoretically, and depending on the amount of energy involved, could probably induce *wave-like effects* in some clouds, mainly if those clouds contain some sort of heavy particulate.

We may not forget, however, that *wave-like clouds* called "*altocumulus undulatus*"³⁶ can also be naturally formed under certain rare atmospheric conditions, apparently as a result from a process of pressure and wind interference. But during these last years, such a rare phenomenon has not only become frequent but also intense, and many people have registered it and questioned it worldwide. Studying these effects which meanwhile have become

³⁴You may refer to: "Electromagnetic momentum", in Richard Fitzpatrick, "Classical Electromagnetism: an intermediate level course", Institute for Fusion Studies, University of Texas at Austin, 2006. Accessible at: <http://farside.ph.utexas.edu/teaching/em/lectures/node90.html>

³⁵What would be the effects of such waves on people and animals? Some dogs during these periods seem not to be able to stop barking, for example.

³⁶In wikipedia: http://en.wikipedia.org/wiki/Altocumulus_undulatus_cloud

common in our skies, instead of rare, together with an accurate and appropriate measurement of *radiation levels* received on the Earth's surface in a *wide range of frequencies*, could perhaps be an interesting start for a scientific project of research on this subject. Small mobile platforms with sensors prepared to collect such data would be extremely versatile and useful.



Fig. 7 Some *altocumulus ondulatus* recently registered by an internet user³⁷. The strange hole in the centre of the image resembles some kind of beam of energy traversing the cloud surface, but it is not a commonly observed effect, however. No consensual explanation has yet been presented for these strange holes. The rest of the clouds seem an interference pattern from several wave fronts, which makes people suspect they may be created during HAARP operation.

It is important to remember, though, that all these cloud formations seem to appear below 10-11km of the Earth's surface, since they seem not to be seen above commercial flight routes. They persist below such a level, so, they obviously do not belong to the upper atmosphere layer (60-200Km), as expected from the scientific proposals for reducing the amount of light absorbed by the planet. That is, in our point of view, an unexpected contradiction.

Example of a curious coincidence:

Although it may not be considered a scientific confirmation of any thesis, we leave here some rough calculations we did the first time we observed static and *extensive wave-like* clouds suspended over our town. It was around February 2007. In the absence of a camera, we recorded that image in the form of a drawing (included in the next figure). These clouds seem, in this case, not to be very

³⁷Image source: the Internet. Thanks to the address: http://www.weatherwars.info/pages/images/holes/holes_alto_1.jpg

distant from the ground, and a rough calculation, comparing them with the dimensions of an aircraft meanwhile traversing them, led us to estimate a fringe separation of the order of 100 meters.

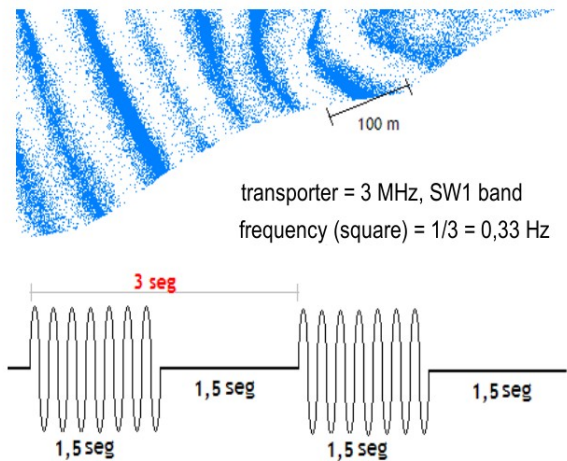


Fig. 8 Some *altocumulus ondulatus* observed in the town, estimated dimensions and possible frequencies related to them.

So, we have decided to formulate the 3 following hypotheses: 1) the phenomenon was due to the wind; 2) the phenomenon was due to a wave propagating in the air (sound); 3) the phenomenon was due to an electromagnetic wave.

Then, since we had obviously observed not only that these clouds were completely static but also no wind was blowing in the place, we rejected the first hypothesis. Naturally, we then turned the attention to the basic equation of wave motion relating *wavelength* and *frequency*, in order to test the other hypothesis:

$$\text{wavelength} = \text{speed} \cdot (1/\text{frequency}) \quad (1)$$

From which we deduce that, if the phenomenon was due to a sound wave, where *speed* = 340 m/s, then its source should be something oscillating with the *frequency* = *speed* / *wavelength* = 3,4Hz. This is an infra-sound frequency, can be of the seismic type, inaudible to humans, and some doctors could use it to stimulate a certain type of brain activity³⁸.

³⁸T. H. Emará et al, "Repetitive transcranial magnetic stimulation at 1Hz and 5Hz produces sustained improvement in motor function and disability after ischaemic stroke", European Journal of Neurology, 2010. Search in: <http://onlinelibrary.wiley.com>

We did not conclude anything yet, however. Instead, we used again the same equation for testing the third hypothesis. Since in that case the speed of propagation would be the speed of light (300 000 km/s) the frequency of oscillation of the electromagnetic source would have to be $300\,000\,000 / 100 = 3 \times 10^6 \text{ Hz} = 3\text{MHz}$. To confirm if there was in fact any 3MHz wave crossing our skies, we switched on an old radio and searched for signals in the SW1 band of frequencies (short waves). We were really surprised when we found a signal at precisely 3MHz being emitted by pulses separated by 3 seconds, as is also depicted in the previous figure (Fig. 8).

Conclusion: was the estimation of the fringe separation accurate enough so that these results confirm the electromagnetic hypothesis? We will never know. The interesting fact is: at that time we didn't even suspect that HAARP existed, only a year later we learned about it on the Internet. And we were yet more surprised when we found it was commonly emitting around 3MHz!

5. Opening ionosphere holes?

As we know, HAARP is said to have been built with the idea of experimenting with the ionosphere. We therefore reserve some apprehension concerning the level of such experiments, and if they could be able to substantially interfere with the ionospheric plasma, which protects us from the direct incidence of the sun's deadly radiation. Some rough calculations already presented in this article lead us to suspect that the amount of energy available to HAARP could probably disturb the ionosphere locally. If the electromagnetic beam will be focused onto an area of some square meters, in a continuous mode of operation, the probability of locally altering the distribution of the electronic plasma, and so the "transparency" of the electromagnetic shield, may be significant. If that is possible, it means HAARP could also "indirectly" be used to "directly" expose a certain region of the planet to the unfiltered light coming from the sun, that is, to expose it to a very high radiation level, including to the dangerous *cosmic rays* and *ultra violet* (UV). It would be as if "holes" could for a moment be opened in the ionosphere, as the next figure suggests. People in that region would feel an abnormal strength in the

sunlight (burning), some effects on the vision³⁹, the number of fire ignitions would sharply rise, grass fields and several types of soft vegetation would suddenly dry, etc.

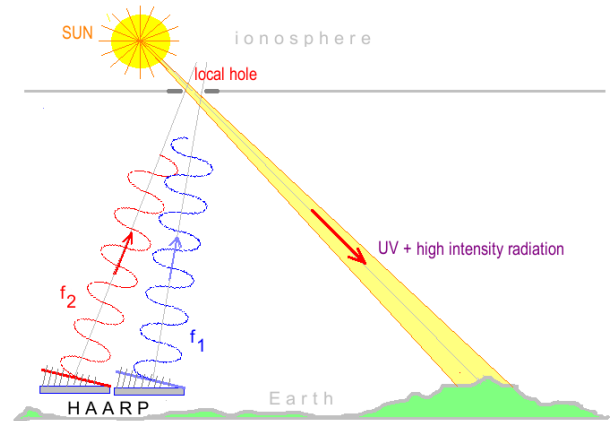


Fig. 10 Could HAARP open "holes" in the ionosphere?

Curiously, observed UV intensity is sometimes very high for some years. It may frequently be found between 8 and 11 on a scale of 0-11, or even surpassing the scale's maximum. This is usually explained as being due to an abnormal activity of our Sun⁴⁰. We wonder, however, if it may also be due to some kind of HAARP experiment. A possible fragility induced in the ionosphere by the detonation of nuclear devices in the upper atmosphere⁴¹ during the 1970s also makes us wonder. Einstein, Nikola Tesla, and many other great scientists are for sure rolling in their graves. Another interesting aspect of this machine is that these several modes of operation are not mutually exclusive. HAARP could be operating in any of these modes, and change mode whenever necessary.

6. Any obstructions to a terrifying weapon?

Although any sinister mind could transform a system like HAARP into a terrifying weapon⁴², both the scattering and absorption of its electromagnetic energy in the atmosphere, and its antenna aperture angle (*antenna pattern width*), seem to reduce such a potential in certain aspects. Together, these effects will establish the limits for the maximum *radiation*

³⁹It seems very intense radiation may result in a higher risk of developing cancer, as well as cataracts, for example.

⁴⁰NASA site: http://science.nasa.gov/science-news/science-at-nasa/2003/17jan_solcon/

⁴¹Nuclear tests: http://en.wikipedia.org/wiki/Nuclear_weapons_testing

⁴²Nick Begich, Jeane Manning, "Angels Don't Play This Haarp. Advances in Tesla Technology", 1995; ISBN:0-9648812-0-9. Video about at: <http://www.youtube.com/watch?v=dNrL9o7mh-M&feature=related>

per unit of area available at the target, that is, the amount of effective power density⁴³ achievable with the machine. Most of what we have said in the previous sections would be achieved from a ground facility⁴⁴ only if the system would be highly directional. But these antennas are said to emit (presently) within a 5° *minimal pattern width*, as depicted in the next figure (Fig. 10), thus, the radiation will disperse over a larger area as the wave gets away from the source. A beam of 5° aperture will be around 870m diameter at a distance of 10km from the source, for example. If 25% is absorbed, the power density at such a distance will be 75% of $3,6\text{MW}/\{\pi \cdot (435)^2\} = 0,005\text{kW}/\text{m}^2$, which is ridiculous compared with the $1\text{kW}/\text{m}^2$ normally reaching the earth on a sunny day.

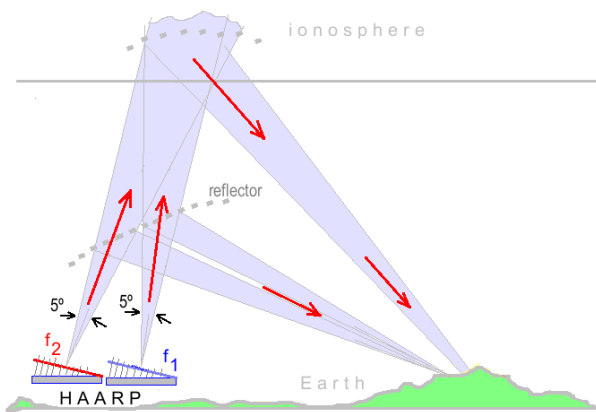


Fig. 10 Aperture of HAARP antennas, and its implications.

We may also notice that a much larger “reflector” would be needed in order to redirect an appreciable amount of energy back into a point on Earth, unless the ionosphere could be used as a reflector too. Thus, in principle the effective power of such a machine would be severely reduced in practice. Recent data, however, seems to indicate that the power available to HAARP at the moment (2011) may be 270 times the power considered here, which means it may be reaching the astonishing objective of 1 GWatt⁴⁵. If this is true, our impression is that few obstructions may still exist in order for HAARP to be used as a terrifying weapon.

⁴³Notice that, instead of *power*, it is the *power density = power / area* that usually matters to interfere with matter.

⁴⁴Would be much easier with a facility fluctuating in the space, or in the ocean if focused into underwater targets.

⁴⁵As mentioned in: <http://www.harp.alaska.edu/harp/prpeis.html>

7. Chemtrails+HAARP, some thoughts

We may now wonder about what could be the possible connections between HAARP and *chemtrails*. Could, for example, HAARP be used also as a mixer for *chemtrails*? Although the two systems seem to be distinct and independent, could they be operating in conjunction in some cases? Imagine, first one spreads metallic particulate into the atmosphere, together with some catalyst (Barium?); then a net of humidity will form around these particulate; but, since artificial clouds are normally static, some “mixer” is needed in order to disperse and mix them more efficiently, and HAARP radiation properly modulated could perhaps do it. To create dense zones of clouds over the ocean, for example, and moving them by artificially managing pressure at their boundaries in order to bring high intensity precipitation into a place or zone, or deliver it for long periods of time, could that also be done?

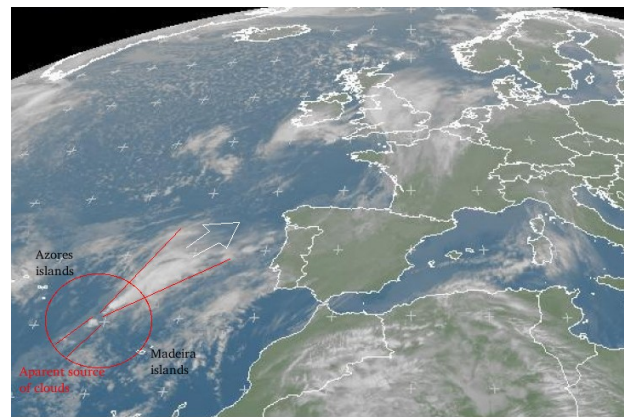


Fig. 11 A continuous observation of some satellite images seem to indicate that artificial clouds may also be produced at the ground, or some appropriate locations in the ocean (from boats?), which then inflate and disperse along the natural air currents. In the present image, the centre of the circle was practically fixed, while it continuously was producing clouds which were then moving north-east.

Other thoughts: could the climate apparently be changing due to a systematic usage of HAARP and *chemtrails*? And what about creating depressions into certain cloud formations to try giving rise to storms, for example? Could the system be used for making tests in the population, either for health purposes or military interests? Hardly a healthy mind would think on the need for a healthy solution being delivered to the population secretly... And those “waving” clouds, could they result from *chemtrails*+HAARP activity? Will the complaints of

people, of all ages around the globe⁴⁶, about *chemtrails* and strange clouds formation, and how they interfere with their lives, be in fact relevant and justified? From what is shown in this article, we think there are enough reasons for a serious investigation to be directed to such matters, instead of constantly relying on unilateral explanations from experts who simply ignore these hypotheses, as is practice now. But let us point out some other interesting aspects that should perhaps be part of such investigation:

Annihilation of clouds:

Since clouds are seeded and produced, some kind of technique is also supposed to exist in order to achieve the opposite: disperse and annihilate clouds. Frequently, very dry air is being detected in places where *chemtrails* experiments take place. In the case of our town, for example, instead of the typical 60-70% of humidity of January, there are days we measure in January only 20-30%. It is not a surprise that people talk about a very dry mouth and tongue, and even of strange involuntary movements. These can be symptoms of being poisoned, by the way. Are *chemtrails* technicians using any kind of dispersant in the air, similar to what oil companies seemed to do in some of the recent oil platform disasters? And, could a practice such as that contribute to the "extinction" of normal clouds? With the advance of artificial clouding and its continuous and insistent usage, we also notice that we may hardly see normal clouds now, as if the artificial process would be eliminating or weakening the natural process. This can of course turn into a serious and nefarious interference with Nature. Probably, normal clouds are not given enough time and conditions to form, and that should be seriously investigated too.

People's rate of ageing:

The rates of ageing in towns usually under *chemtrails* should be compared with those where this activity is weak or does not exist (some say China and most Muslim countries seem not to be affected, since this activity is commonly said to be restricted to places of NATO influence). We would suggest as an index for ageing the number of people with white hair within a certain sample of the population. In my country (heavily pounded by *chemtrails* for several

years) it is being a surprise that not only has the skin of the people started to exhibit rapid ageing symptoms but also that white hair became almost an "imposed" fashion, affecting youngsters as well. Could *chemtrails* activity be more intense in places near the ocean, so that more water can be captured from the environment? Could this strange ageing effects be more intense in places under aircraft routes, and towns with airports and airfields? The truth is our biological system often feels under the attack of something undefined. It is instinctive. And the worrying rate of children with allergic symptoms and respiratory illnesses, and the 30% of our population suffering from allergic rhinitis are unequivocal signals that these already are the first visible victims of such a practice.

Chemtrails falling from the sky:

Recently, there has been on the Internet the discussion about the possible contamination of water supplies, soil and oceans due to the intensive spraying of *chemtrails* in certain locations around the world. Reports of abnormal animal diseases, probably due to ground contamination, and a substantial number of reports in pictures and videos showing a kind of [strange foam](#) floating on ocean waters, are leading people to suspect *chemtrails* particulate may in fact fall out of the skies and produce a substantial number of effects and "indirect" victims. This foam seems to appear after periods of intense *chemtrails* activity, and its structure and smell resemble a certain bacteria-like culture. There are some places where this foam has submerged entire beaches⁴⁷, to the astonishment of the people. Once again, even if this repugnant and yellowed foam is floating on our ocean waters since around four or five years ago, no news or debate have been shown or proposed about the issue in the mainstream media. Any investigation on *chemtrails* should take into account this phenomenon, since it may well pose a threat to the health in general, also because this foam can easily spread around taken by the wind. Could this poison rivers and natural water resources, and then enter the public network? What kind of tests are being done on our water supplies? Are levels of Aluminium, Barium, Silver Iodine, for example, being monitored? And what about radioactive elements? (maybe water tests should be

⁴⁶On the Internet many people say these sort of effects are only being observed in places of NATO influence.

⁴⁷Video from Cap Town: <http://www.youtube.com/watch?v=Hc4w1bdbZNM>

done randomly, without previous notice to the water operators). Could technicians be using too much Hydrogen Peroxide in order to compensate the obvious decline of the public water quality during last years?

8. Very important recent events

An entire treaty could be written about HAARP and *chemtrails*. But our particular interest at the moment goes to gravitation and classical mechanics, which are matters slightly distant from weather manipulation. So, we can say the present article results more from a “call to duty” than from any special fascination for these matters, therefore we will not further expand this text. We will finish, anyhow, by presenting some very significant events observed recently, and leave the rest of the work to the interested reader.

A large number of animal deaths:

The weather has recently been very rainy and harsh for nearly two consecutive months both in Europe and the Americas, most of the time with a sky covered in dense clouds which would not let people detect any special activity linked to *chemtrails*. Attentive people, however, any time the clouds dissipated and let the upper layer of the atmosphere be visible, could have noticed there was in fact very intense *chemtrails* activity going on. For a “*chemtrails* observer” it became obvious that this long period of harsh weather was mainly due to such an intense and prolonged activity, maybe in conjunction with some artificial clouds produced in the ocean. Orange clouds, sometimes almost red, moved in during the night to the sky of our town. The interesting thing, however, was that during January (2011) the media was suddenly reporting what seemed to be absurdities: first, a rain of thousands of birds falling dead out of the sky in the USA and hundreds of thousands of fish dead⁴⁸ in a river nearby. Some days after, 8000 doves fell dead with blue beaks in Italy⁴⁹; while, on the same day, 2 million more dead fish were found in Chesapeake Bay⁵⁰, Maryland, USA. A geographic distribution of these types of events can be followed *online* in

⁴⁸Summary video: <http://www.youtube.com/watch?v=0xin20GijEI>

⁴⁹<http://www.dailymail.co.uk/news/article-1344913/Animal-death-mystery-Two-MILLION-dead-fish-wash-Maryland-bay.html?ITO=1490>

⁵⁰<http://www.mediaite.com/tv/armageddon-moves-to-maryland-two-million-dead-fish-found-in-chesapeake-bay/>

Google-maps here: [dead animal events](#). Some days later, 200 cows died suddenly in northern Europe. It is not surprising that people are more and more not just worried but also getting angry about the issue⁵¹.

Building up storms?:

During this same January, strong storms of rain have pounded the Atlantic islands of Madeira and Azores, and then Brazil, resulting in the killing of almost half a thousand people in the latter country. These periods of rain seem excessive to the common citizen, although the media always insists in passing the “climate change” or “global warming” message, two expressions meanwhile surpassing fashion and obviously falling into discredit. Citizens see those aircraft spraying the skies and seeding the clouds, so, what are these people talking about?

Recently, also some little *tornados*⁵² have been forming in our country, where they absolutely did not belong before. We could already suspect that something was wrong with the weather, but we still needed some kind of special event as a confirmation of what is happening behind *chemtrails* activity. On the 21st of January 2011 such an event has finally happened. Two aircraft have been captured on video while flying in circles over a previously prepared blanket of clouds, meanwhile dispersed by the wind. This [video](#) can be seen on *YouTube*⁵³, and obviously shows a pair of aircraft flying parallel to each other while spraying circular trails over a *chemtrails* cloud. Some other clouds already in the form of circles, naturally resembling the beginning of a circular storm, are obviously visible too. Curiously, once again: this was roughly being made above the same place where [thousands of octopus have been found dead](#) recently on the beach, to which the authorities gave the explanation: “*excess of fresh water going from the river into the sea*”... Could something else have killed those animals, maybe an intense wave of electromagnetic radiation? In the next figure (Fig. 12) we try to represent what we think could be the entire process going on by means of those two aircraft: 1) slowly, along the day, a blanket of artificial clouds is created by a localized spray of

⁵¹YouTube: “[Former FBI Chief Ted Gunderson Says Chemtrail Death Dumps Must Be Stopped](#)”

⁵²Video showing the effects of a recent little tornado in the center of the country (Dec 2010): <http://www.youtube.com/watch?v=stFpAmc1rpc>

⁵³Video showing a pair of aircraft flying in circles and producing artificial clouds (Jan 2011): <http://www.youtube.com/watch?v=QKFMxvXcw3E>

chemtrails, in order to hide the rest of the process from people's sight. This is done by aircraft spraying only when they are flying over the targeted zone, by switching their trails on and off. 2) Once such a carpet is ready, pilots start to fly and spray in circles in order to build circular clouds, which then assume the form of a tornado-like storm. 3) We suppose that there will be a third step in the process: to create a depression in the centre of the circle in order to induce a rotation on it; could that be done by somehow focusing HAARP radiation there? Could it be possible that satellites are being used not only to focus such a radiation but also to switch the spraying on and off? Interesting aspects to be investigated too.

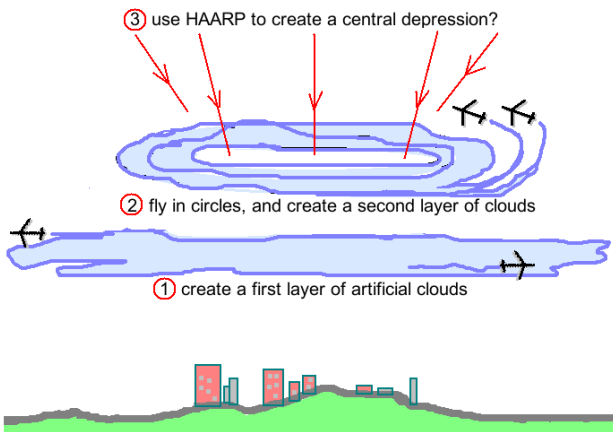


Fig. 12 Diagram trying to describe what was observed in the [video footage](#) previously referred to (21Jan2011), which resembles the creation of an artificial storm out of people's sight. Curiously, this was happening above the same place where thousands of octopus have been found dead, recently.

Meanwhile, perhaps due to the alerts coming from the Internet, through *emails*, *Facebook*, *Twitter*, etc., those aircraft gave up the job and have abandoned the place (are there observers on the Internet who monitor citizens' reactions during such operations?). A second video of *YouTube*⁵⁴ shows what resulted from such an activity: a very dirty sky for people to breathe during the night.

With this sort of activity often going on, it does not seem so strange that levels of PM10 frequently rise when *chemtrails* are being sprayed. Could this also explain why data from pollution sensors⁵⁵ is often “not available” during periods of spraying? We

⁵⁴Air contamination, the result: <http://www.youtube.com/watch?v=ovhSGD-2HcQ>

⁵⁵Pollution sensors data-base for Portugal, where PM10 and other indexes may be monitored: <http://www.qualar.org/INDEX.PHP?page=2>

were observing carefully what was happening since the day of the two aircraft. The skies became entirely blue again. The trails of those aircraft normally responsible for spraying (we already know their routes) became normal, almost innocent. But a few days later they lost the innocence again and started to re-spray over the ocean, mainly during later afternoon and evening. The result was, once again, more of those dirty clouds for the citizens to breathe. It looked like air-poisoning operations, played like a game. PM10 levels were rising during midnight. Then, in the early afternoon of Thursday our sky was traced with several parallel trails, people started to complain of heavy flu like symptoms, while the pollution sensors were again turned “not-available” as figure 13 shows.

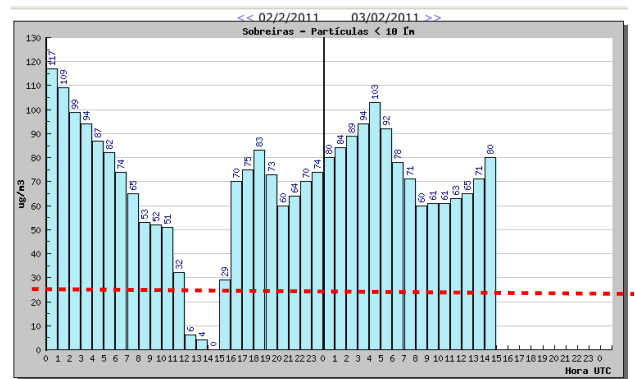


Fig. 13 PM10 levels 2-3 February 2011. During periods of intense *chemtrails* spraying, PM10 sensors are often found in a “not-available” state. Only several hours later the charts appear “completed”, making people suspect data manipulation. The red line in the graph is the maximum level that should be acceptable for PM10. Source: [Agency for the Ambience](#).



Fig. 14 Early morning of 4 March 2011 (8 a.m.), and the image form [EUMETSAT](#) showing two almost perfect circular formation of clouds of the same type and dimensions, one near Portugal and another near France. This image should be compared with the previous [video of the two aircraft](#).

In our opinion, the astonishing level of around 30% (we suspect nowadays is much more) of population of all ages living with chronic rhinitis and several other respiratory problems is mainly due to withstanding, almost daily, such an aggressive atmosphere, as well as the lack of interest of our officials about the subject. Of course the dark pollution due to urban traffic rises if there will be no rain, these experiments may even be ordered to *chemtrail enterprises* in order to help reduce carbon in the air, but citizens have to be consulted first, and that will not explain why most of the times they spray when the air is clean. We understand that several “projects” are going on, and *chemtrails* seem to be a multi-purpose project.

9. An emotional discussion

From all this, it is fair enough to ask ourselves “are our governments allowing or participating in the poisoning of their own people from the air, and hiding it?” *Chemtrails* are slowly poisoning people all over the world and making them weak, less resistant to virus, bacteria, etc. What a sinister experiment is this, a slow extermination process? Governments have the duty of explaining to the owners of the State (the citizens) what precisely is going on, and open the issue for public debate, in order to know what will be the citizens' choices about such an important matter. Governments are paid by citizens' money, therefore they must be prepared to respect such a sacred contract. There are many scientists and people of knowledge in the social crowd, so these issues have to be opened to the scrutiny of the society instead of being kept in the secrecy of some, most of them not even elected. The logos of the *chemtrails project* is not only an attack on the public health but also an attack on our democracies and on the future of our children. Desperate people have tried to ask for help from their governments about the issue, [here an example](#) of 2008, but nothing seems to be enough so that substantial action be started.



Fig. 15 Early morning spraying of *chemtrails*, while most of the people are still sleeping. When people wake up they will simply find another artificial cloudy day, instead of the natural blue sky.

More than 10 years have passed, and only now some TV networks are sometimes [addressing the issue](#), although seemingly trying to joke with it, once again as if a sinister game was being played out there. More than [100 whales dying](#) in a beach of New Zealand (4Fev2011); major [Earthquake has hit Christchurch](#), New Zealand (21fev2011); more and more citizens start to be aware of what is going on, although there are still people ignoring⁵⁶, or poised to maintain in secret what is happening: these are usually called *disinformation agents* on the Internet.

Of course people are [worried, and investigating](#)⁵⁷ the problem, but they are also angry about these activities⁵⁸. The United Nations (UN) is asked to freeze *geo-engineering* projects⁵⁹, some are naming them *geo-piracy*⁶⁰, and citizens in general are asking themselves questions like: “why is our air force letting those aircraft do it? The answer can only be: because either the air force is under the control of the *deliverers* or the air force forms part of the *deliverers*. Why do air-traffic controllers not say

⁵⁶Strange fact: a high percentage of citizens could not yet notice the differences in the skies and think nothing abnormal is going on. What can they expect to see and understand, if they are not even able to see what is obviously presented in front of their eyes?, is a question we pose to ourselves. Which kind of being are we, a single specimen, several specimen, what does this mean...

⁵⁷The movie “*What in the World Are They Spraying?*” is an important resource to understand the level of people involved against *chemtrails*: <http://www.youtube.com/watch?v=jf0khstYDLA>

⁵⁸WACFrankfurt, “29 05 2010 We Are Change Frankfurt interviews a geoengineer about Chemtrails at a Symposium in Belgium”, YouTube, 9-June-2010. Video:

<http://www.youtube.com/watch?v=bUopcG6DMwY>

⁵⁹From Reuters:

<http://af.reuters.com/article/commoditiesNews/idAFTOE69K02U20101021>

⁶⁰A PDF document defining what is being done as *geo-piracy*:

http://www.etcgroup.org/upload/publication/pdf_file/ETC_geopiracy2010_0.pdf

anything either; as well as the media? The answer can only be: because either they are under the control of the *deliverers* or they make part of the *process*". By expanding this logic, we will suddenly find out that *the project* may in fact be related to several big institutions and organizations, which of course makes it assuming the contours of a possible "conspiracy".

In that moment we decide to question such a possibility, however. It seems not to be proper of minds of our times to imagine such sort of things. So, we made a pause, and researched a bit more to find out what [David Keith](#), a prominent *geo-engineer* from ISEEE Energy and Environmental Systems, would have to say: we found it summed up in a [youtube video](#) apparently related to a conference before 2007. People may change their ideas with time, but, the impression we felt was not of tranquillity. David Keith seems to be following the same lines of thought previously pointed out by [Edward Teller](#), and mainly gave us the impression that people around the world should be happy and support such *geo-engineering* experimentations, even if these may cause several other problems (one of which is to ruin the Ozone layer), since such research is very important in case there will be a future climate failure on the earth... In case, of course... To us, this "in case" seemed obviously sinister. His logic seemed extraterrestrial, in the sense that it seemed not to be from the humans we know... and that was the strangest impression we had. But, since it is also not decent for a mind of our times to be guided by this type of impression, we decided to research a bit more, to find someone we suppose to be one of the most influential personalities on these matters, [John Holdren](#), the advisor to President Barack Obama for Science and Technology, Director of the White House Office of Science and Technology Policy, and Co-Chair of the President's Council of Advisors on Science and Technology (PCAST), about whom we found the following text in [wikipedia.org](#):

"Overpopulation was an early concern and interest. In a 1969 article, Holdren and co-author [Paul R. Ehrlich](#) argued that, "if the population control measures are not initiated immediately, and effectively, all the technology man can bring to bear will not fend off the misery to come."^[21] In 1973 Holdren encouraged a decline in fertility to well below replacement in the United States, because "210 million now is too many and 280 million in 2040 is likely to be much too many."^[22] In 1977, Paul

*R. Ehrlich, [Anne H. Ehrlich](#), and Holdren co-authored the textbook *Ecoscience: Population, Resources, Environment*; they discussed the possible role of a wide variety of solutions to overpopulation, from voluntary [family planning](#) to enforced population controls, including [forced sterilization](#) for women after they gave birth to a designated number of children, and recommended "the use of milder methods of influencing family size preferences" such as access to birth control and abortion.^{[12][23]}"*

Of course all this is somehow perturbing, even if we obvious understand that these subjects have to be addressed, but it makes us feel that someone out there is thinking on *managing* our lives. It was not comfortable to know it, and meanwhile exploring further the Web we suddenly entered a site about something absolutely new for us, that we have never suspected: a really strange and almost esoteric monument of stones named "[Georgia Guidestones](#)". We invite the reader to learn more about it, mainly because it does not at all seems at odds with what we are talking about here.

In the sequence of all this, we had to ask ourselves the honest question: is there anything in science, a principle, a rule, a postulate, which forbids conspiracies to exist? If not, why would a scientific mind have to ignore such a possibility? There is no scientific reason for that. It is perhaps time to start testing some "conspiracy" hypotheses against experimentation. Therefore we suggest three simple procedures to be implemented as soon as possible by our governments: 1) randomly force the landing of some aircraft which leave those trails in the sky, known as *chemtrails*. 2) let these aircraft be inspected by an independent panel of citizens and scientists from the United Nations (UN). 3) make all the raw data available to the public, on the Internet.

From what we have said, we have only to agree with the recent UN *geo-engineering moratorium*⁶¹, and with Mrs Silvia Ribeiro, the Latin American Director of ETC Group, who stated: "*Any private or public experimentation or adventurism intended to manipulate the planetary thermostat will be in violation of this carefully crafted UN consensus*".

It is important and urgent to stop such temptations to interfere with Nature, and to inform citizens about who are doing it, why are they doing it, and to whom have they asked permission to do it

⁶¹<http://foodfreedom.wordpress.com/2010/10/28/un-votes-to-ban-chemtrails/>

and subvert our democratic principles? It is urgent, because day by day it is getting more difficult not only to live under such circumstances, but also to applaud and stay engaged with a society where these kinds of things should not be allowed. For us, this explains that a fast growing number of citizens is already facing an *Einsteinian disappointment*. And this can only be a symptom of decadence, not of progress.

Very recent events:

japan whirlpool tsunami 11th March 2011

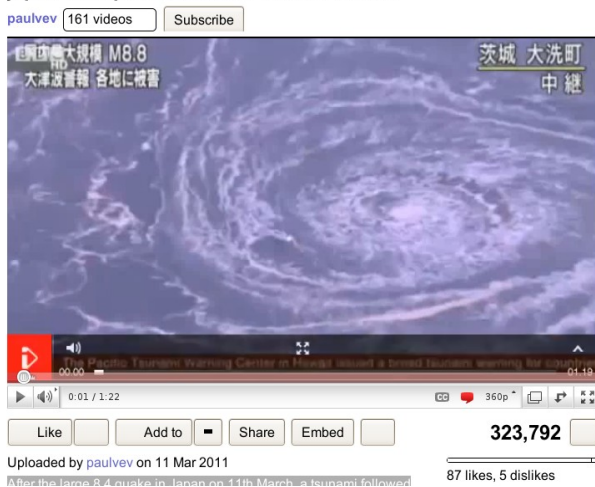


Fig. 16 In the 11 of March 2011, after a very strong 8,4 quake hit Japan, a tsunami followed, creating an impressive whirlpool. There was [massive devastation](#), which also provoked a serious nuclear disaster.

Author's Biography:

J. Manuel Feliz-Teixeira graduated in Physics in the Faculty of Sciences of University of Porto, Portugal, and received an MSc in Mechanical Engineering and a PhD from the Faculty of Engineering of the same university. [His work has been related to various matters](#), from optical communications, solar energy and seismology, to the simulation of complex systems, warehouse, supply chain, urban traffic, metro networks, etc. His doctoral thesis is on "*Flexible Supply Chain Simulation*". More recently he is dedicated to researching new approaches to renewable energy, and now is focused on lecturing Physics and studying *gravity* phenomena by means of classical Mechanics.

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