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## HAARP AND NEW TECHNOLOGIES THAT AFFECT HUMAN BEHAVIOUR

by: [Begich, Nick, MD](#)

*Dr. Nick Begich is the eldest son of the late United States Congressman from Alaska, Dr. Nick Begich, Sr. Dr. Begich has served as an expert witness and speaker before European parliament and has lectured on various issues to groups representing statesmen, elected officials, scientists, citizen concerns and others. He has published articles throughout the world on new technologies, politics, health and science, and his books include *Angels Don't Play this HAARP: Advances in Tesla Technology*, and *Earth Rising: The Revolution Toward a Thousand Years of Peace*.*

### WHAT IS HAARP?

HAARP stands for High-frequency Active Auroral Research Project. HAARP is a joint project by the U.S. Navy and Air Force in Alaska to create a very large radio frequency transmitter which can transmit an electromagnetic beam into the upper atmosphere or ionosphere. This radio-frequency energy is broadcast through a field of 48 antennas which are 72 feet tall and they have a cross diapoled across the top. Electromagnetic waves then bounce back onto Earth and penetrate everything--living and dead. Normally, radio frequency energy dissipates with distance, but by firing them in a unique way, the energy is focussed and a *cyclotron resonance effect occurs*. This produces very much more concentrated and potent energy when it delivers its load either through magnetic lines of force or to the ionosphere. The cyclotron resonance energy wraps itself around these magnetic lines and it moves north to south. This was intended to create a shielding effect during a nuclear attack. The ideal place to locate these instruments happens to be in the northern regions where the magnetic lines of force intersect the planet, and the research project was located in Alaska.

### HAARP HEATS THE IONOSPHERE

HAARP is an advanced model of an 'ionospheric heater'. The ionosphere is the electrically-charged sphere surrounding Earth's upper atmosphere. It ranges between about 40 to 600 miles above Earth's surface. It also acts as a filter or shield for the planet. It filters out X-rays, cosmic rays and various particle streams that would be quite damaging to life on Earth. In fact, losing the ionosphere or altering it in some way would be significantly worse than anything that would result from ozone depletion. Bernard Eastlund suggested in his original patent that you could actually knock out some of the pollutants and increase ozone production.

### THE AMPLIFICATION EFFECT

Another aspect of HAARP that is extremely important is a non-linear effect. Researchers at Stanford University discovered that if you put energy into the upper ionosphere and magnetosphere, in the ULF range (ultra low frequency range), you can create a catalyst which causes natural energy to be released. They found that the signal sent up was amplified by a *thousand* times when it arrived there. HAARP, when it is fully completed, will have one billion watts of effective radiative power. If

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you can manipulate that energy to get the amplification effect, it is huge. They have also created some new signal amplifiers. According to patents, transferring energy through this transmitter into huge Mylar reflectors and bouncing the signal back to the earth to where it can be re-introduced to the energy grid, is supposed to be economically feasible in the next couple of years. The problem is that if the reflector moves only slightly, *you may have a path of energy rolling through your neighbourhood.* Research also suggests that by using this instrument, you could actually change the chemical composition of the upper atmosphere.

### **WEATHER MODIFICATION**

The idea that HAARP can be used for affecting weather systems is pretty startling to us. HAARP researchers felt that manipulating weather systems would be advantageous in terms of drought control, and producing rainfall where it is needed. With HAARP, you can create a column-shaped hole with a diameter of 30 miles that rises a couple of hundred kilometers through the atmosphere. The lower atmosphere then moves up the column to fill in that space, and it changes pressure systems below. The fact is, that it can literally be used to *divert or alter the course of jet streams.*

The April/May 00 issue of *Scientific American* is about weather, and there is a specific article on the effects of a slight bend in the jet stream. This slight change happened to occur right above the HAARP facility. That little movement caused a storm front 4,000 miles away in east Texas and Louisiana to move into central Florida where it deposited a couple of tornadoes. This is interesting but it is not conclusive that it was a cause and effect relationship. However, weather modification is certainly possible with only a slight change. In fact, the European Space Agency contracted Bernard Eastlund, and in 1998 he completed a paper on how to knock out tornadoes using HAARP instruments on the ground. That paper was peer-reviewed and presented in Italy and it was widely accepted, in fact, so much so, that NASA and FEMA contracted Bernard Eastlund to do further research on weather modification using satellite-based technology and this was published in late 1999, early 2000.

The problem is *we cannot model the entire global system.* We don't even understand fully how the weather operates. And yet, the experiments go on. The issue of weather modification is disturbing because we have treaties that forbid it. The last three secretaries of defense have all suggested reopening that treaty because there would be significant military advantage.

### **MILITARY USES FOR HAARP**

HAARP publicity gives the impression that it is mainly an academic project with the goal of changing the ionosphere to improve communications for our own good. However, other US military documents put it more clearly: HAARP aims to learn how to "exploit the ionosphere for Department of Defense purposes". HAARP can be used for:

**1. Enhancing wartime communications.** The ionosphere is critical for global and wireless communications. With HAARP you can wipe out the communications of your adversaries over an extremely large area, while keeping the military's own communications systems working.

**2. Missile Defense** HAARP can be used to detect incoming low-level planes and cruise missiles, making other technologies obsolete. This technology also allows "over the horizon radar" which is very important. From the HAARP research, it was deduced that you can create an over the horizon radar effect that has a great deal of accuracy. Over the

horizon technologies of the past were distorted and hard to see. The HAARP technology uses two transmitters. One creates a plasma that reflects the signal from the second transmitter so you can see around the curvature of the earth. This ability to look around the curvature of the earth allows you to spot things at very, very high elevations, all the way down to cruise missiles, essentially making cruise missiles obsolete. And HAARP creates an energy field that produces a very unique signature around each incoming object, so that you can discriminate which missiles are carrying nuclear payloads and which ones aren't. Thirdly, with enough power you can create what is called an EMP, an electromagnetic pulse, a surge of energy sufficient to disrupt the *onboard avionics* that control the flight path, causing the object to disrupt or break up.

**3. Earth penetrating tomography** is one of the primary uses of HAARP. HAARP can act like a broadcast antenna and sends a signal back to the earth in the ELF (extremely low frequency) range, that can pass through the earth and sea for several kilometers for communication with submarines or determining underground nuclear facilities, tunnels, and defining mineral strata.

### **Problems with using HAARP for Earth Penetrating Tomography**

Brooks Agnew, a specialist in the area of earth penetrating tomography, did research back in the 1970s using 30 watts of electricity to send a signal into the earth to locate underground oil and gas deposits. Brooks used only 30 watts of power, but he said that if you increased this to a few thousand watts, you could possibly create problems that you don't anticipate, in other words you might trigger *geophysical events* within the earth. This statement was echoed in a lecture given by the previous Secretary of Defense, Cohen, on April 27, 1997 at the University of Georgia. He was speaking on weapons of mass destruction and he asserted that "electromagnetic waves can be used to stimulate geophysical events such as earthquakes, climate change, volcanic eruptions and the like". In fact, there is an international treaty going back to 1977 forbidding the use of weapon technologies which do these very same things. The fact that we might trigger a geophysical event using this system, has been and continues to be a major concern. Secretary of Defense Cohen also stated that this is being used in an ecotype of terrorism, whereby they can alter climate, set off earthquakes and volcanoes remotely through the use of electromagnetic waves. You can bring it up on the DOD's website and see it yourself.

### **EXTREMELY LOW FREQUENCY (ELF) RADIATION**

When HAARP sends up a signal in the high frequency range and they begin to pulse or vibrate that signal, the ionosphere itself converts from DC to AC, begins to mirror the pulse rate and acts like a giant broadcast antenna in the sky, perhaps as much as a 1,000 miles above this transmitter. It pulses the signal back to the earth in the extremely low frequency (ELF) range. This is between one and approximately 100 Hertz. That is what is used for communication with submarines at depth using 14 and 26 mile long antennas buried underground in Michigan, Wisconsin and in Alaska to create that signal. With HAARP, they thought they would have a little more versatility and the ability to communicate at higher data rates and more efficiently with submarines at depth. It is the same ELF that is used for earth penetrating tomography because you need a long wave in order to penetrate the earth to any great degree. Short wavelengths just don't go very far. The problem is, earth penetrating tomography operates in the ELF range, which happens to correlate to biologically active frequencies in the human body, particularly in the human brain.

## **FREQUENCY RANGES IN THE HUMAN BRAIN**

The human brain predominantly operates on a frequency of between one and 30 pulses per second, cycles per second Hertz, and it varies. One to four pulses per second is the *delta range*. This is where you are in your deepest, deepest sleep. The next level is *theta*, which is about 4 to 7 cycles per second. This is the range where you are in that semi-awake, semi-asleep stage where you are sort of drifting off. You are aware of your dreams but are aware you are awake. This is where most three to five-year-olds spend most of their lives, which explains an awful lot. But it is also where they learn a tremendous amount. This is where they learn language, social skills, everything that kids learn between the ages of three and five. This is also the state where a lot of people re-experience childhood events, because that is where you are when you are a child. The next stage is the *alpha* stage, which goes from about 7 to 12 Hertz. This is where you are when you do your most creative and intellectual work. It is interesting to note that the planet Earth pulses at Schumann's Resonance which is 7.83 Hertz. That is the ideal frequency for human beings to be engaged in, and we are separated from that because we are surrounded by Tesla's invention of 60 cycles of AC current which is agitating to most of our systems. The next level is *beta*. Low *beta* is where we are actively engaged in learning and thinking and dialogue. You are in high beta when you get agitated and angry, when you have high, strong emotions.

## **EFFECTS OF ELF ON THE BRAIN**

The problem is that external signals like the radio frequency signals of HAARP, and any electromagnetic signals from light and sound waves that can be pulsed in this ELF range will cause the brain to begin to lock onto that external signal and begin to mirror it. When it does so, it changes the character and chemistry of the brain during that period of time and your behaviour changes. Early researchers have claimed that these ELF concentrations of energy are harmless, but over the last 20 years, researchers have recognized that very low energy concentrations can have profound physiological effects. The military rationalizes that HAARP instruments broadcast the signal in the ELF range and this is a very, very low level of electromagnetic radiation by the time it gets back to the earth, that it is nothing to worry about, that it is about equal to what the earth naturally produces. They compare it to things like the flickering of the television set.

## **ZAPPING THE BODY WITH ELF**

However, Jose Delgado at Yale University researched radio frequency energy, and discovered that he could influence the brain using a pulsed radio frequency signal concentration at one-fiftieth of the energy that the earth naturally produces, and this was sufficient to change the behaviour of primates and humans like flipping on and off a light switch. It was not the magnitude of energy, but its *specific frequency* which triggered events within the brain, changed brain chemistry and consequently changed behaviour. A few years ago, a story was released about children having epileptic seizures from watching a cartoon on television. A reaction in the brain was caused by the flicker rate hitting one of these frequencies inadvertently. It wasn't the amount of energy; it was the frequency. It is like dialing a radio station. In between stations, you hear static. When you hit a resonant frequency, a signal that corresponds to the receiver, you get a clear signal.

The same is true of the human body. Every organ, every chemical, every element within our body has a unique resonant frequency that can be measured. In fact, the basic organs of the body have been measured for radio frequency symmetry by the University of Utah under contract with

the United States Air Force. The study is cited in our books. You can look it up. *They have actually determined the amount of radio frequency energy each part of the body can tolerate.* So if you want to stop a heart, you know how to do it. This is kind of a gross application of the technology. A more refined application would be to target a chemical or chemical compound within the population that is present in all of us, that is universal. For instance, if you send a signal that resonates at the same frequency as iodine, you trick the body into thinking it has been poisoned by iodine. And you have a mystery illness which doesn't show on tests because the iodine is not there. This can be used in lots of different ways. If everyone breaths in a substance during war, you can send energy that amplifies its effect, and you can create some pretty horrendous special effects.

The idea that HAARP inadvertently or purposefully might be used in this way is kind of shocking. In *Between Two Ages* (p.54-56), Zbigniew Brezinski, previous National Security Advisor to President Carter, discussed triggering an event in the ionosphere that could affect human behaviour. Referring to research out of UCLA by Gordon MacDonald, Brezinski suggested that if you could electronically stroke the ionosphere in just the right way to return a signal in the ELF range, *you could manipulate the emotions of a population of a large geographic area.* *Between Two Ages* is about technology's impact on society, culture and economies, and it gave a 25-year forecast of what was going to happen globally. It was written in the early '70s, so it reads like a history because it is dead right on. In *Earth Rising: The Revolution*, our latest book, we cite a CIA experiment in which they actually tried this in Eastern Europe. There is plenty of evidence that the Russians were doing this to us. Remember the macrowave beaming of the U.S. Embassy? There are reports of Russian research where they exposed primates to this same signal. This research is still classified because it caused disruption of physical health.

### **SAFETY LEVELS IN THE BIOSCIENCES**

The U.S. military research projects are separated into very distinct sub-sections so that no one really sees how it all connects except at a certain level of government. This is done for security reasons within the United States. It is the opposite in the former Soviet Union, which brings multi-disciplinary teams from the biological sciences, physics and the hard sciences together to investigate a topic, so that they can benefit from the knowledge of other disciplines. As a result, the Soviets had standards that were 1,000 times more stringent than U.S. standards of electromagnetic exposures because they had the expertise to see what subtle energy could do to your health. The root of HAARP research is to control and manipulate environmental factors for military advantage. There are no biological sciences or electrophysiologists associated with the HAARP project, *meaning that the health effects of this system aren't really being monitored at all.*

### **LOW LEVEL ELECTROMAGNETIC FIELDS SURROUND US DAILY**

We have 200 million times more radio frequency energy surrounding us today than we had a little over 100 years ago when the radio was invented. And this energy at the right frequencies does have an effect on us. Most of it is transparent, but there are *window frequencies* that are of concern. Virtually everything that surrounds us influences to some degree what is going on internally. It's different for every single person, because we eat differently, we metabolize our food differently, we react to energy differently. Some people are hypersensitive to electromagnetic fields

within certain ranges and some are not. But certain technologies can affect massive percentages of the population.

In previous times, people could actually distinguish electrical differentials on the body. Some people are still hypersensitive today and can make distinctions about energy surrounding the body. A good example is when you have a power failure most people notice how quiet it is. The next time it happens, observe your body's general sensation. It is as if your whole body relaxes, the same feeling you get when you get out of the city and into rural areas. Your body has to constantly compensate for all of the electromagnetic fields that surround you because you are under this low-level stress most of your daily lives. If you have trouble with your sleep patterns at night, and you just can't get to sleep or sleep through the night, try turning off the circuit breaker to your bedroom. Try it for three or four days and see if that reduces that tension, because you have the electromagnetic current surrounding you and coils within your bed that also trap electromagnetic energy. Put a voltmeter on your bed before you kill the circuit and see what happens.

### **REFERENCES TO MIND-ALTERING TECHNOLOGY IN GOVERNMENT AND CORPORATE REPORTS**

What is happening in weapons systems, of which HAARP is one tiny minute infinitesimal particle is going to be unbelievable. *Earth Rising: The Revolution* documents the issue of *mind control technologies*. We analyzed the U.S. patent record, and found over three dozen U.S. patents dealing with this technology and its advancement from the early 1960s to present time. We found military and academic reports talking about future advancement in this area. You can externally influence what goes on within the human brain. The military is talking about doing this wirelessly. An electromagnetic signal from a distance can enter the human body and be decoded by the brain and perceived as speech, creating the illusion of a voice in the head.

The U.S. Science Advisory Board of the Air Force were researching memory and memory manipulation. Their original idea was that electromagnetic frequencies would be quite useful for training purposes such as learning a language or a sophisticated operation within the military. In 1996, they published a research document called *New World Vistas: Air and Space for the 21st Century*. In this paper they state: "It would also appear possible to create high fidelity speech in the human body, raising the possibility of covert suggestion and psychological direction. Thus, it may be possible to talk to selected adversaries in a fashion that would be most disturbing to them." In the same paper, they say, within the next 10 to 15 years, they will be able to go in and *completely remove a memory set and replace it with a new one*. According to the leading scientists in the field, the problem is that you bypass the conscious filter that sorts out what is good and bad, what is right and wrong when you introduce information in this way. One Russian scientist by the name of Smirnoff said, "as if it were the voice of God, it cannot be resisted." As we all know, military technologies do eventually reach the civilian sector. It might take 20 or 30 years. If this kind of technology where there is no filtering migrates into the educational sector it could really change the character of the country. You accept the information as fact and do not question it.

Another really interesting publication we quote from pretty liberally is *Space Cast 2020* which describes the advancement of this technology. We get a lot of our documentation from completed research from contracting offices, requests for proposals and corporate reports to stockholders. Eventually you put the pieces together and you can see

quite clearly what is happening. The one that was the most startling was in Parameters which is a publication by the U.S. Army War College and the article was called *The Mind Has No Fire Wall*. In other words the mind has no protection. In it, they analyzed the Russian, European and American research, and deduced that affecting human behaviour and human mental processes was really the target of the new weapons technologies. The techniques developed by the Russians in this book include:

- \* A psychotronic generator which produces a powerful electromagnetic emanation capable of being sent via telephone lines, TV, radio networks, supply pipes and incandescent lamps. The signal would manipulate the behaviour of those in contact with the signal.
- \* A nervous system generator, which is designed to paralyze the central nervous systems of some insects. The system is being refined to have the same effect on humans.
- \* "The twenty-fifth frame effect" is a technique where every 25th frame of a movie reel or video produced contains a message which is picked up by the subconscious so as to alter the conscious mind.
- \* and so on...

The CBC show *Undercurrents* did one show on HAARP and another on technologies that affect human behaviour. I appeared on the *Undercurrents* show on mind control, and they also interviewed Smirnoff from the Russian Academy of Sciences, Persinger, a Canadian scientist who works in this field and two individuals by the name of Morris who were responsible for the introduction of non-lethal armaments concepts to the CIA during the Reagan and Bush administrations. There is plenty of evidence from these professionals who come from a military background. In fact, Smirnoff was the guy they contacted during the Waco event to try to change the behavior of the people within the compound. But the idea of using processes to control human beings is highly disturbing to me because if you look at any religious philosophy on the planet, one of its basic tenets is that *you don't interfere with a person's free will*. God doesn't do that. Why should man think he can do that? And that is exactly what this type of technology is about.

## **INVASION OF INDIVIDUAL PRIVACY**

**Biometrics** refers to individual measurements of individual people. We all think of biometrics when we think of fingerprints. Fingerprints are unique, but we also have emanations from the face that are as unique as a fingerprint. The voice is as unique as a fingerprint. We have already heard of iris scans. These are all biometrics.

**Monitoring Communications** Essentially all communications, fax, telephone, internet particularly, are 100% monitored by super computers. Three hundred agencies within the five participating governments load in what are called "Dictionaries". These can be anything from voice biometric information, phrases, names, key words, etc. The computers do most of the sorting, and then tens of thousands of technicians in the United States and around the world interpret those communications that the computer says have high probability of risk. That is done on a wholesale basis. All of our privacy is invaded in that way. In our book *Earth Rising*, there are European parliament reports, mainstream media reports, and other reports on this technology.

**LOSS OF INDIVIDUAL FREEDOM** The huge revolution in military affairs and technologies is going to result in a *highly directed and controlled society*. We are headed for one centralized government. Are we ready for it? My conclusion is no, because there are too many

differences between people, between cultures, between populations to suggest that one government can really be all things to all people. I don't think that is possible. The book *Earth Rising: The Revolution* has a whole section on personal privacy and how it has been eroded.

### **HOW WILL THEY MAKE NON LETHAL "REVOLUTIONARY TECHNOLOGIES" ACCEPTABLE TO THE PUBLIC?**

A U.S. Army War College paper written in 1989 called *The Revolution in Military Affairs and Conflicts Short of War* discussed the military applications for implant technologies. It was the first paper that indicated that the new technologies being contemplated to influence human mental processes and human health (which they call the "revolution in military affairs") would be objectionable to most Americans and fundamentally violate American values. And the military reaction within this paper was, "*How do we change American values?*" Our military and our governments should reflect and defend our values, but this paper makes it very clear that this is not the case when they say, "These values will conflict" and their solution is, "We have to create villains". Who are the villains that they decided to create in 1989? *International terrorists and international drug traffickers*. A tremendous amount of media during the last decade has been dedicated to both of these subjects. Are people now a lot more willing to give up some of their personal privacy and freedom for what they perceive as a little more security? The paper said that they have to create this type of framework to force people to give up civil liberties in exchange for safety and security. *When people feel insecure they are more inclined to give up civil liberties in exchange for that security.*

### **ELECTRO-MEDICINE**

There are some big changes coming in the health sciences, and electromedicine is going to present the greatest challenges and the greatest opportunities in medical science over the next couple of decades. When you treat the body at an energetic level, then the physical body will improve.

**Electro-cranial stimulation** is the use of electric current for creating brain entrainment within those ranges that are effective for learning or creative work.

**Electrolaser acupuncture** There is a system of electrolaser acupuncture in Europe that is quite effective using a class four laser, not one of these small hand-held, but a class four, which is pretty powerful. It won't burn you; it is not that strong, but it is sufficient to affect your physical health. The practitioners I know who are using this technique are trained acupuncturists. This electrolaser breaks things up and gets the energy flowing through the body again, and has had remarkable results.

**Light devices** A pulsing light can be used to entrain the brain to move it into various states of consciousness. One of my children used to have trouble sleeping and I used to use this tool for him because it was really effective. Within about five minutes he was asleep.

**Sound** A technique that is used in conjunction with sound is a bi-aural beep. The human ear cannot hear these extremely low frequencies. One sound wave will come in one ear at say 17,000 Hertz (or cycles per second). Another will come in the other ear at 17,008 Hertz. The 17,000 cancels and leaves a standing beep frequency of 8, which correlates to the *alpha* rhythm, and your brain locks into that beat rhythm and begins to

mirror it and go through chemical changes, not just in the way you think but how your thinking is focused.

**Biofeedback** There are a number of applications tied to brain biofeedback or neurobiofeedback. In brain biofeedback, you look at a computer monitor. Depending on the system, you might use 4, 8 or 16 channels or more, and they place electrodes on the head. You look at the screen, see what your brain activity is doing in real time, and you can then drive the activity of the brain artificially. You can also learn how to do it yourself without the equipment. Brain biofeedback has become very effective for stroke victims who are trying to reclaim part of their mental capacity and children with Attention Deficit Disorders. Within 30 to 45 sessions, hyperactive children with ADD learned how to modulate their brain activity, focus their attention and learn without Ritalin or other drugs that are being introduced on a mass scale around the world. There is a place in Denver that certifies biofeedback practitioners called Association for Applied Psychophysiology and Biofeedback. You may contact them at 303-422-8436, email [aapb@resourcecenter.com](mailto:aapb@resourcecenter.com), website [www.aapb.org](http://www.aapb.org) or [www.bio-medical.com](http://www.bio-medical.com) So there are probably practitioners that are certified in virtually every area of the United States and Canada because they are pretty active up here as well.

### **WHAT CAN WE DO TO PROTECT OURSELVES?**

We approach scientists and governments directly. When we started our work with HAARP we sent 80 packages of material to every scientist that we knew of, hoping to change at least one person's mind. We must try to influence political processes and get our legislatures to start investigations. Don't look for some grand plan. Do what you know you can achieve. But no matter where you live today, with the advent of the internet and mass communication systems, it is more possible than it has ever been before to influence public policy. A few people can make a very large difference in what happens around the world.

All of the information in this article is extensively documented in my two books *Angels Don't Play this HAARP* and *Earth Rising: The Revolution*. Every statement is referenced with accurate sources of first hand published material with 650 separate footnoted sources. You will find patent numbers and academic paper references which you can look up yourself. We do not use personal testimony as evidence to present our case, and this has allowed us to present the HAARP issue in many different venues including European Parliament because we have the ev

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