

The Effects of Pulsed Microwaves and Extra Low Frequency Electromagnetic Waves on Human Brains? Governments Routinely “Classify Information” Pertaining to the Manipulation of the Human Nervous System

By [Mojmir Babacek](#)

Global Research, February 10, 2025

Url of this article:

<https://www.globalresearch.ca/why-governments-around-world-classify-information-about-effects-pulsed-miowaves-extra-low-frequency-electromagnetic-waves-human-brains/5839545>



[Incisive analysis, first published by Global Research on November 10, 2023]

*In the year 1962 the American scientist **Allan H. Frey** carried out experiments with pulsed microwaves, which produced clicking, buzz, hissing or knocking sounds in the heads of people at a distance of up to several thousands yards. In his report, he also wrote that with the change of parameters he can produce pins and needles sensation or perception of severe buffeting in the head and claimed that this energy “could possibly be used as a tool to explore nervous system coding... and for stimulating the nervous system without the damage caused by electrodes“ (see [this](#)).*

In other words, Allan Frey was on the path to finding the way how to **manipulate the human nervous system at distance**. This was quickly understood by the U.S. Government. For the next two decades Frey, funded by the Office of Naval Research and the U.S. Army, was the most active researcher on the bioeffects of microwave radiation in the country. Frey caused rats to become docile by exposing them to radiation at an average power level of only 50 microwatts per square centimeter. He altered specific behaviors of rats at 8 microwatts per square centimeter. He altered the heart rate of live frogs at 3 microwatts per square centimeter. At only 0.6 microwatts per square centimeter, he caused isolated frogs’ hearts to stop beating by timing the microwave pulses at a precise point during the heart’s rhythm (see [this](#) and [this](#)).

In 1975, [Allan Frey published](#) his research on blood-brain barrier in the Annals of the New York Academy of Sciences, where blood-brain barrier (protecting brain from poison entering it together with blood) of rats, illuminated by pulsed radiofrequency, allowed dye to penetrate into their brains. His findings were confirmed by 13 different laboratories in 6 countries and with the use of different animals.

In 2012, Allan H. Frey wrote an article where he described how the American Brooks Air Force falsified his experiment by selecting a contractor, who injected the dye into the intestines instead of into the blood, and in this way made sure that the dye will not appear in the brain. This was supposed to help the U.S. Air Force to obtain the approval of people to build radars in their vicinity. According to Frey, the same Brooks Air Force Base later tried to “discredit unclassified research in the microwave area” in order to cover “a classified microwave-bio weapons program.”

[Allan Frey concluded](#): “funding for open microwave-bio research in the United States was essentially shut down.” For that matter the general public (in the whole world) does not know anything about the possibility to control their brain activity at distance by the effects of pulsed microwaves on their nervous system until now.

In March 2021, the American scientist James C. Lin wrote an article on Havana syndrome, where he wrote that this trouble caused to American diplomats and government agents in Cuba and elsewhere, was most probably produced by pulsed microwaves (see [this](#)).

On December 5 2020 the U.S. Academy of sciences [published a study](#) on Havana syndrome, where it stated:

“Overall, directed pulsed RF (radio frequency) energy, especially in those with the distinct early manifestations, appears to be the most plausible mechanism in explaining these cases among those that the committee considered.”

But on March 2, 2023 the American television [CNN published an article](#) on the report of the 7 U.S. intelligence agencies. It said that “there is no credible evidence that a foreign adversary has a weapon or collection device that is capable of causing the mysterious incidents“ (Havana syndrome). **In this way the U.S. intelligence agencies tried deny the validity of the scientific report by U.S. Academy of Science and to hide from the world general public the fact that pulsed microwaves can be used to attack their minds.**

There is a large body of scientific experiments proving that **extra low frequencies of electromagnetic radiation can produce effects in the human nervous system**. What is common to microwaves and extra long electromagnetic waves is that both of them carry electric and magnetic fields. The neurons are full of ions and this electrolyte can easily function as an antenna, in which electromagnetic waves will produce electrical currents, which are essential parts of nervous impulses in the brain.

At the International Conference on Nonlinear Electrodynamics in Biological Systems in 1983, sponsored among others by the U.S. Air Force Office of Scientific Research and the Office of Naval Research, Friedeman Kaiser from the Institute of Theoretical Physics at the University of Stuttgart lectured on effects of extra low frequencies of electromagnetic waves on the human nervous system or “extreme high sensitivity of certain biological systems to very weak electromagnetic signals.” He stated:

“In the brain wave model... The external stimulus may only serve as a trigger to start an internal response signal... The system obeys the external drive, it oscillates with the external frequency...the slow external drive leads to an increasing modulation of the amplitude with the external frequency.”

He called this phenomenon “entrainment“ and suggested that “excitations of the proposed types could possibly lead to changes in the behavior and function of biosystems“ ([pg. 394](#)). There is no better explanation for the Friedman Kaiser’s lecture than that the ELF electromagnetic frequencies produce electrical currents in the electrolyte inside of the nervous tissue. In the closing speech at that conference Samuel Koslov, a leading personality of the mind control project Pandora of the American Navy declared:

“If much of what we have heard is indeed correct, it may be not less significant to the nation than the prospects that faced the physics community in 1939 when the long-time predicted fissionability of the nucleus was actually demonstrated. You may recall

the famous letter of Albert Einstein to President Roosevelt. When we're in a position to do so in terms of our proofs, I would propose that an analogous letter is required" ([pg. 596](#)).

Already in 1980 John B. Alexander, former director of the U.S. Los Alamos National Laboratory in his article in the Military Review on remote control of human brain's activity, [wrote](#):

"whoever makes the first major breakthrough in this field will have a quantum lead over his opponent, an advantage similar to sole possession of nuclear weapons."

In 2014, Chinese scientists published the results of an experiment in which they searched for microwave conductivity of electrolyte solutions. In the introduction they stressed that their experiment "plays an important role in investigating the interaction between electromagnetic waves and biological tissues that have high water content and a significant concentration of ions." For their experiment they used a solution of salt. The chemical formula of salt is NaCl. It means it contains atoms of sodium and chloride. Ions of both of those atoms play an important role in the firing of nerve cells. The experiment proved that this electrolyte is conductive for microwaves up to 20 GHz frequency (see [this](#)). It is highly reasonable to expect that if those microwaves are pulsed in the frequencies of the frequencies of activity of neurons in the brain they will be "entrained" to oscillate with those frequencies.

The MCS America organization, which fights against pollution, confirms this conclusion in its study on Electromagnetic Fields Sensitivity. The [study states](#):

"The body can collect the signal and turn it into electric currents just like the antenna of a radio set or a cell phone. These currents are carried by ions... flowing through the living tissues and in the blood vessels (a system of tubes full of an electrically-conducting salty fluid that connect almost every part of the body) when these currents impinge on cell membranes, which are normally electrically charged, they try to vibrate in time with the current" (let us note that a neuron is a cell as well).

The veracity of those "speculations" or "conspiracy theories" is confirmed by the experiment, where 20 volunteers were exposed to the pulses of 217 Hz used in cell phone telephony and at the recordings of their electroencephalograms evoked potentials (or simply told electrical currents in the frequency) of 217 Hz were found (see [this](#)) or another one, where cell phone microwaves pulsed in 11 to 15 Hz produced changes in EEG during the sleep in 30 volunteers (see [this](#)). As well Australian scientists found out that:

"Not only could the cell phone signals alter a person's behavior during the call, the effects of the disrupted brain-wave patterns continued long after the phone was switched off (see [this](#))."

To complete this information it is necessary to say that the nervous system functions digitally and nervous actions differ by frequency and number of nervous impulses in which great number of neurons synchronize their action. In this way the activity of the human brain can be completely controlled including the thoughts. Robert Becker, who has been twice nominated for the Nobel prize for his research on electric potentials in organisms published in 1985 a book "Body Electric", where he quoted the experiment, which was released voluntarily on basis of Freedom of Information Act. The author of the experiment J. F. Schapitz stated:

"In this investigation it will be shown that the spoken word of hypnotist may also be conveyed by modulated electromagnetic energy directly into the subconscious parts of the human brain — i. e. without employing any technical devices for receiving or transcoding the messages and without the person exposed to such influence having a chance to control the information input consciously."

In one of the four experiments subjects should have been given a test of hundred questions, ranging from easy to technical ones. Later, not knowing they were being irradiated they would be subjected to information beams suggesting the answers to the questions they had left blank, amnesia for some of their correct answers and memory falsification of their correct answers. After 2 weeks they had to pass the test again. The results of those experiments were never published. But evidently already at this time the secret services were working on technologies how to impose thoughts to human beings with the use of pulsed microwaves to transmit into human brains human speech in ultrasound frequencies, which the brain perceives, but the human being does not realize this since it is not hearing the speech.

For governments it is not difficult to pulse the cell phone signals in the brain frequencies and in this way manipulate the thoughts of their own or foreign citizens. The difference between pulsed microwaves and extra long electromagnetic waves is that pulsed microwaves can be targeted on one person (or the whole nation if cell phone signals are pulsed in brain frequencies) while extra long electromagnetic waves, transmitted in brain frequencies, with their length up to 300 hundred thousands kilometers will reach brains in large areas. For sure so far the legislations around the world (except the Chile and Brazil) do not prohibit such actions to the governments or anybody else on human brains (for example Elon Musk is building system of 20.000 satellites around the planet and working on neuralink research at the same time).

Neurotechnologists around the world, who do not dare to disclose the national security information they had to sign, before starting research in the area, are calling for creation of legislations protecting people against such manipulations of their minds ([see this](#)).

The proposal of such legislation presented to the European Union, signed by 11 world organizations, you can find at the address (see [this](#)).

*

Click the share button below to email/forward this article to your friends and colleagues. Follow us on [Instagram](#) and [Twitter](#) and subscribe to our [Telegram Channel](#). Feel free to repost and share widely Global Research articles.

[Global Research's Holiday Fundraiser](#)

Mojmir Babacek was born in 1947 in Prague, Czech Republic. Graduated in 1972 at Charles University in Prague in philosophy and political economy. In 1978 signed the document defending human rights in communist Czechoslovakia „Charter 77“. Since 1981 until 1988 lived in emigration in the USA. Since 1996 he has published articles on different subjects mostly in the Czech and international alternative media.

In 2010, he published a book on the 9/11 attacks in the Czech language. Since the 1990's he has been striving to help to achieve the international ban of remote control of the activity of the human nervous system and human minds with the use of neurotechnology.

Featured image is from [Children's Health Defense](#)

Disclaimer: The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article.

Copyright © Mojmir Babacek, Global Research, 2025
