

CAHRA

Russian Book Translation Project Results

With related background information on Russian/U.S. mind control technology

<http://mindjustice.org>

"Psychotronic War and the Security of Russia"

by V.N Lopatin and V.D. Tsygankov

Moscow, 1999

by Cheryl Welsh, Director

Citizens Against Human Rights Abuse, Cahra

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The Russian Translation Project is continuing. Donations are very much appreciated. Donations are tax deductible and apply to costs only. Clerical work and report compilations are on a volunteer basis only.

Overview

1. 1 page overview plus 12 page summary

Section I The best argument for the existence of U.S. EMR Mind Control Weapons: The Russian evidence

1. Cahra Website posting, "Russian Book Translation Project Has Begun"

2. U.C Davis students translate sixty-two pages of the Russian book "Psychotronic Weapons and the Security of Russia" by V.N. Lopatin and V.D. Tsygankov, 1999 Moscow

3. Translation excerpts from second book "Psychotronic War, From Myths to Facts" by Igor Vinokurov and Georgij Gurtovoj", Moscow 1993, Translated by Mojmir Babacek

4. Several corroborating Russian newspaper articles on mind control

5. 1998 German TV, ZDF, "Secret Russia: Moscow--the Zombies of the Red Czars", documentary on Russian victims of psychotronic experiments, obtained by Blanche Chavoustie

Section II The Second and Equally Convincing Argument For the Existence of U.S. EMR Mind Control Weapons: The East/West Controversy over Thermal/Athermal effects of Emr Ends With the Exposure of a U.S. Cold War Cover Story

1. Freedom of Information Act excerpts from Harlan Girard, released 2001

2. Dr. Stephan Possony, "intellectual father of Star Wars", (Guardian, 1995, obituary) article in Defense and Foreign Affairs, 1993. Debunds athermal theory touted by State Dept, discusses Russian mind control, states emr athermal effects are likely scientific basis for mind control weapons.

3. BBC TV 1984 documentary, "Opening Pandora's Box", highlighting Dr. Becker's theory of large, classified U.S. emr weapons program based in part on evidence of the thermal/athermal controversy.

4. 2000 Video by Council on Wireless Technology Impacts, "Public Exposure", www.emrnetwork.org. More evidence of athermal controversy

Section III Conclusion: What this information means to victims of nonconsensual government experiments

1. The Russian evidence is important because it proves that the Russians have a large mind

control weapons program dating back to the 1950s and therefore the U.S. would also have very classified mind control weapons. 1

Summary

Please note that the opinions in this article are the opinions of Cheryl Welsh, alone.

Throughout this booklet, the words electromagnetic radiation or electromagnetic frequency are abbreviated with "emr". The terms, athermal and nonthermal electromagnetic radiation effects are used interchangeably and mean the same thing. Thermal effects of emr refers to the effects caused by heating. The cooking of food in a microwave oven is a thermal effect of microwaves, for example. The nonthermal emr effects are any effect not caused by heating.

Psychotronic is the russian term for mind control, although it has been given many meanings. Generally, psychotronic is term for the use of emr to affect the brain.

Section I

The best argument for the existence of U.S. EMR Mind Control Weapons: The Russian evidence

Thanks to your generous donations, sixty-two pages of the V.N. Lopatin and V.D. Tsygankov book "Psychotronic Weapons and the Security of Russia, 1999, Moscow were translated by the UC Davis team of student translators. The whole translation is included in this compilation and a few main conclusions are listed below.

Cahra purchased a second book by Igor Vinokurov and Georgij Gurtovoj, "Society for the Research of Secrets and Mysteries of the Earth Mysteries", 1993, Moscow. Mojmir Babacek translated sections of this book on psychotronic war and one highlight is the section on Emilia Cherkova, who is mentioned in a Stolitza article below. Ms. Cherkova was a Zelenograd deputy and has filed complaints to the government of Russia on behalf of Russian psychotronic victims and became a target herself. In addition, the Fetzer Foundation of Kalamazoo, Michigan sponsored a Russian/US conference on bio-energetics and the Gurtovi book featured the 1989 Fetzer Foundation resolution signed by several scientists stating that they would not use their scientific knowledge to create weapons. Cahra purchased a third book, by V.D. Tsygankov entitled, "Neurocomputers and It's Applications, 1993. This book is in the process of being translated.

The two books, so far corroborate the previous 20+ articles gathered mainly from the Russian press since the break up of the Soviet Union. The 20+ newspaper articles can be found on Lexis Nexis library database available at most university libraries. Like the 1993 Defense News article included below, the Lopatin book is significant because it adds to the list of public figures talking openly about Russian mind control weapons. More research

and analysis is needed but the information found so far is solid and will be helpful to victims of government mind control experiments.

Below are some of the highlights of the Russian book translation. This evidence is the best Russian mind control information that Cahra has found. It does not meet the scientific level of proof or the legal level of proof but it does meet the level of proof required to ask congress, human rights groups and others for an investigation into government mind control experiments. This evidence also meets the requirements of a journalism level of proof, that is several independent credible sources corroborating the evidence in a news story. In addition, information on the nonthermal effects of emr and how this ties into Russian mind control is included below. This nonthermal emr effects evidence spans fifty years and reveals an outdated U.S. cover story for mind control weapons. New evidence described below support the fact that the science behind the mind control weapons has been suppressed. As shown in previous Cahra papers, the open literature on neuroscience supports an athermal basis for at least some brain mechanisms. Hopefully, translation and research and analysis of the Tsygankov book will help in this area.

For over ten years, V.N. Lopatin has been prominent and influential in the Russian government. He has advocated the banning of Russian mind control weapons since the breakup of the Soviet Union and has taken this cause to the UN. Mr. Lopatin has a law degree, was a member of the state Duma of Russia and is currently a Russian government representative to Japan. The book includes his outline of the problem and threat of psychotronic weapons and war and the importance of public relations concerning this global threat. He writes of the proposed Russian federal law "Informational-psychological safety" concerning the protection and defense of rights and lawful interests of citizens and society. Internationally, Mr. Lopatin stands out as the most powerful public figure to advocate a ban on mind control weapons.

Evidence from the 20+ Russian articles on mind control confirm the evidence in the partial translations of the two books. There are hundreds of articles and books on psychotronic weapons in Russia. It is a popular topic, as can be seen in the 186 citations at the end of the Lopatin book, not to mention numerous footnotes. With the break up of the Soviet Union, the existence of a classified Russian mind control program was revealed by several independent and reliable sources. There were concerns that the mind control technology would fall into the hands of the Mafia, see for example, Defense News, 1993, below. Therefore, US and Russia were discussing the need for bilateral controls of the technology. Several articles allege Russian government experiments, experiments on military personnel and use of mind control weapons in Afghanistan. See below. Here are some of the sources that Cahra is trying to obtain; the Duma legislation proposed three times by Deputy Lopatin, the government documents of hundreds of complaints by citizens, military personnel and Russian government employees, the references to the Russian government documents on mind control weapons and the books and articles written on psychotronic weapons.

Credible, independent sources are stating that Russian mind control weapons exist, are being illegally used and laws are needed to protect Russian citizens. Here are a few examples with citations and full articles below.

Numerous public officials, including scientists, journalists and lawyers stated that mind control technology exists and needs to be controlled. Emilia Cherkova was discussed in the Gurtovoj book and three Russian newspapers.

Dr. Kaaznacheev, who was mentioned in the Gurtovoj book in the Fetzer Foundation letter and Emilia Cherkova are saying that mind control weapons exist and are in the hands of the military and government.

The scientist from Kiev, Sedletsy and Cherkova say there are experiments on Russian citizens. Stolitz, 1992.

Lopatin acknowledges the existence of mind control technology and even states that it was "secret for so many years". Moscow Times 1995. He dismisses the paranoid and conspiracy label on the allegations and instead takes mind control weapons very seriously, calling for legislation to ban their illegal use.

In the Moscow Times, 1995, Dr. Rudakov built the equipment and states that similar equipment was used in Afghanistan, as does the Defense Electronics article above. The Russian journalist Vorobyovsky has studied this story for three years. A complaint was filed with the CSCE, Stolitz, 1992.

Dr. Possony is an academic and public policy analyst who stands behind his statements. He stated that electromagnetic effects are the scientific basis for mind control weapons. Defense and Foreign Affairs, 1983.

1998 German TV Document, "The Zombies of the Red Czars"

Thanks to Blanche Chavoustie, Cahra has obtained a translation of the 1998 German TV channel ZDF documentary, "The Zombies of the Red Czars". This important documentary filmed the protesters demonstrating against psychotronic experiments in Moscow Square and interviewed some of the organizations against the misuse of psychotronic weapons. They allege secret psychiatric experiments all over Russia going back to the 1950s and continuing up to the present. Like their U.S. counterparts, Russian victims are labeled mentally ill, (zombies) and are not getting help.

Soviet and U.S. victims symptoms match and span over fifty years. The ZDF video described victims with psychotronic attacks on the organs of the body, including the heart. "Strange things. But when you go see a doctor he doesn't find anything." A political prisoner in the Stalinistic concentration camps was brought to an isolation cell in the KGB prison in the Lubyanka, where he experienced a psychotronic treatment of "strong sounds in the head, very strong acoustic and visual hallucinations." "The leader of the "Moscow Zombies" believes the malfunctions of the telephone are due to the effect of a psychotronic generator."

The book "Psychotronic War" by Gurtovi included a description. "The weapon seems to be capable, secretly, imperceptibly, work on his psyche, mind, behavior, desires, wishes, ...A wave of monstrous heat struck all of his body and firmly squeezed him." The section by

Emilia Cherkova stated, "The victims are `tortured' secretly right in their house, from behind the walls of neighboring rooms ..." An article in the book stated, "persecution of citizens by methods of distant manipulation of the brain by means of ultrasound, microwaves, laser beams and as well computers..."

In the newspaper Delovoi Mir, "Mind Control" by Ivan Tsarev, 1992, a victim wrote, "They controlled my laughter, my thoughts, and cause pain in various parts of my body...It all started in October 1985, after I had openly criticized the first secretary of the City Committee of the Communist Party." "Sometimes voices can be heard in the head form the effect of microwave pulse radiation which causes acoustic oscillations in the brain," explained Gennady Schchelkunov, a radio electronics researcher from the Istok Association."

Here is a comparison to U.S. victims. Cahra has heard from victims all over the world. Here is a description of the cluster of symptoms common to most victims. 24 hours 7 days a week, for years on end, victims are subjected to all kinds of harassment and torture. Most agree that the technology can remotely target and control every nerve of the body. Heart rate can speed up and slow down, bowel movements can be regulated, illnesses can turn on and off in an instant. Victims report microwave hearing or voices in the head and sleep deprivation. Thoughts can be read, and played back to the victim, instantaneously. People around the victim can repeat verbatim, the victim's immediate thoughts. Dreams are manipulated, behaviors controlled, emotions literally played with and all types of pain can be started and stopped in all parts of the body. Remote sexual manipulation and abuse with pedophilia, homosexual and degrading themes are reported regularly. Microwave burns are frequently reported, along with all types of bizarre and harassing manipulation of electrical equipment, phone, car, TV and computers. Black bag intelligence tactics of tire slashings, break ins and mail tampering are reported. Hologram are projected. According to victims, it is vicious, amoral, sadistic and cruel. Most victims describe the experience as very debilitating and liken it to mental rape, prison or total destruction of the quality of one's life. Most are labeled mentally ill and live with financial ruin. loss of health, social life and career. All say the technology is very sophisticated and effective as a weapon. Some victims say they would use it on their torturers and feel vindication. It is like a slow death.

1984 BBC Video, "Opening Pandora's Box"

Results from Harlan Girard's request under the freedom of information act on nonlethal weapons development in China and Russia are included here as background information V.D. Tsygankov wrote extensively of the U.S. nonlethal program and the threat that Russia must protect itself from. Tsygankov's biography is impressive, see below. Tsygankov graduated from the Odessa Electrical Engineering Institute of Communication, specializing in radio engineering. Tsygankov collaborated for many years with neuro-physiologist and academician P.K Anokhin. Dr. Anokhin's books can be found in medical libraries such as U.C. Davis. In addition Dr. Anokhin's extensive list of published works include collaboration with Dr. Mary Brazier, UCLA, 1961, for example. Of course the book does not reveal national security secrets or mind control equipment schematics, but both Tsygankov and Lopatin convey a sense of deep concern for a serious global issue. Lopatin and Tsygankov are important to victims of government illegal experiments because they state

that Russian psychotronic or mind control weapons exist and that their use should be placed under international control.

How important is the Russian information?

Nothing in the U.S. is comparable to this body of evidence of Russian mind control weapons, nothing even close. The US has been silent on this issue for over fifty years. The U.S. has repeatedly stated that Russia has mind control research, technology and weapons based on athermal effects of emr. But contrary to logic, the U.S. position was that there are no provable athermal effects from emr, according the U.S. scientists. (See DIA report and Project Pandora below). Overall, the U.S. position is that there was no U.S. research, technology or weapons based on athermal emr effects. Up to the 1990s, the U.S. government has stated that RF weapons are "too sensitive to discuss"(CNN1985) and that "Soviet mind control information" is classified, (1997 CIA/NSA foia letter). With the break up of the Soviet Union, the Pentagon unveiled the nonlethal weapons program, including weapons based on athermal emr effects, (U.S. News, 1997). Publicly, the fifty year U.S. policy of 'no proven athermal emr effects' took a 180 degree about face.

The value of the Russian information to U.S. victims is that it is powerful support for the argument that the U.S. would have to be developing mind control weapons also. The Russian evidence presented here is believable and convincing, therefore it is nearly impossible for the US to deny with any credibility the existence of their own mind control arsenal.

The evidence of Russian mind control weapons is substantial in quality and quantity. Each independent source verifies almost every other source. Although there is a definite limit to the Russian mind control technology discussed and the articles all state basically the same thing, it is revealing. For example, only with the breakup of the Soviet Union, did Russia make the decision to share Smirnov's acoustic psychocorrection mind control computer programs with the FBI during consultations concerning Koresh, in order "to improve U.S./Russian relations",(Defense News, 1993).

The break up of the Soviet Union has been a unique opportunity to gather declassified evidence of a very large, very black Russian mind control program. The facts show that the U.S. was aware of the Russian program for decades. It is improbable that there will be another comparable opportunity to pierce the veil of secrecy.

U.S. victims can use this very powerful information as a group and approach Congress, human rights groups The Russian evidence validates the claims made by victims of U.S. government mind control experiments. U.S. and Russian victims can now combine their claims which date back to the 1950s and make a strong case.

Section II

The second and equally convincing argument in support of the existence of U.S. EMR mind control weapons: The East/West Controversy over Thermal/Athermal Effects of EMR Ends With the 1990s Exposure of a U.S. Cold War Cover Story for EMR Weapons

With the break up of the Soviet Union, the U.S. military unveiled a nonlethal weapons arsenal. U.S. News and World Report 1997 stated that ...And for a good 40 years the U.S. military has quietly been pursuing [emr] weapons of this sort. ...scientists, aided by government research on the "bioeffects" of beamed energy, are searching the electromagnetic and sonic spectrums for wavelengths that can affect human behavior." Looking back and reevaluating the history of emr weapons development, it becomes clear that the big users of emr technology, the military and emr related industry conducted secret research into athermal weapons effects and suppressed athermal em effects research the open literature. Government officials lied about athermal effects of emr to the U.S. public in the 60s, 70s and 80s. A quote from U.S. News provides an explanation. The public denial of athermal effects of emr was a cover story for a very long term, very classified emr weapons program. Dr. Louis Slesin, editor of Microwave News, U.S. News, 1997, "...the human body is essentially an electrochemical system, and devices that disrupt the electrical impulses of the nervous system can affect behavior and body functions. But these programs- particularly these involving antipersonnel research- are so well guarded that details are scarce. "People [in the military] go silent on this issue ...more than any other issue. People just do not want to talk about this."

The thermal/athermal or nonthermal controversy has ended with the cold war. Dr. Robert Becker, Dr. Cyril Smith and Paul Brodeur wrote books in the 1970s and 1980s about the history of emr technology development and all three presented evidence of athermal biological effects from emr. In addition they cited the Russian literature going back to the 1930s in support of nonthermal effects of emr. In contrast, the military, industry and government supported the position of Dr. Herman Schwan, the Nazi paperclip scientist who established the safety limits of emr exposure for the United States in the 1950s. Dr. Schwan's position that there are no proven athermal effects of emr is still in place today.

Dr. Stefan Possony was called the "intellectual father of Star Wars" and "one of the most influential civilian strategic planners in the Pentagon" (Guardian, 1995). Called "the greatest strategic philosophers of the 20th Century", founder of International Strategic Studies Association and former psychological warfare expert with the Office of Naval Research, Dr. Possony wrote in Defense and Foreign Affairs, Psy-war: Soviet Device Experiment, 6-7-83, mind control by emr is feasible and militarily important. Dr. Possony also refuted the U.S. State Department's athermal theory of emr in 1983. See below for athermal controversy.

1984 BBC video, "Opening Pandora's Box", national security and the athermal controversy

Thank to Harlan Girard for a copy of the 1984 British TV documentary, "Opening Pandora's Box". This video contains interviews with top public officials and emr experts and now, almost 20 years later, the emr weapons cover up can be clearly delineated in this video. One segment of the video features Dr. Robert Becker discussing his work for the CIA on U.S. pilots shot down and captured by the Russians in the 1960s. Dr. Becker was asked by the CIA to determine if the pilots were exposed to emr similar to the Moscow Embassy microwave bombardment from 1953 to 1976. The CIA was looking for an answer to the personality changes in the psychological tests given before and after their capture.

Russian UN documents from the 1970s through the 1990s also support the video evidence, which stated that scientific evidence supports the fact that nonthermal effects could be developed for weapons. With the Pentagon's unveiling of the U.S. nonlethal weapons program, Dr. Becker's theory that the U.S. is running a very black and very large emr weapons program in the 1970s is well supported. Dr. Becker discussed the Moscow Embassy microwave bombardment by the Russians from 1953 to at least 1988, (AP, 1988, Reppert), and the Russian Woodpecker signal, used by the Russians to irradiate the U.S. beginning in 1977 and later verified at least to 1988. Dr. Becker and others suspected that the Russians were attempting to create health and psychological effects in the U.S. population from the emr.

Significant facts of 1984 BBC video

Project Pandora: The U.S. government explores whether the Soviets are using emr as a weapon. The Soviets started bombarding the American Embassy in Moscow in 1953 and the U.S. government funded Project Pandora to find out why.

Nonthermal effects of emr used as psychological and biological weapons by U.S./Soviets. 1976 DIA Report based on Soviet research states that Soviets claimed that microwaves could be found in human beings, to disorientate a person and a specific frequency could cause a heart attack.

Nonthermal emr effects controversy is born. U.S. denies effects, Soviets disagree. Dr. Sam Koslov, director of Project Pandora continued, "[We] thought about it, don't get me wrong,... but nothing was found, it doesn't look like [there is]...militarily at this time, there is no emr weapons potential. There is nothing to the biological effects claim. There is an amount of power problem."

Since the Korean war, the art of brainwashing has improved significantly, says David Jones. Dr. Becker was asked by the CIA in early 60s to determine whether pilots shot down and captured by Soviets in the 1960s could possibly have been exposed to emr without them realizing it and would that have caused personality change. Dr. Becker stated, "Yes, there is a distinct possibility, we don't know at this time for sure."

The Moscow microwave bombardment is a prototype weapon of the 1977 Soviet Woodpecker Emr signal: Soviet emr weapons go public. Dr. Beck stated, "[the 1976] Russian woodpecker signal is the most powerful man made emr source ever. 10 pulses per second, 40 million watts per pulse, it is psycho active." It is generated in the Soviet Union and permeates everything in the U.S. It was picked up by power grids and irradiated into homes."

Persistent rumors that U.S. signal beamed over Russia. "They are the most expensive and powerful in the world." "Dr. Becker said there are persistent rumors that the U.S. is doing the same to the Soviet Union, powerful U.S. transmitters beaming 16 cycles per second to produce the same effect as the Soviets, into the Soviet Union." "We are in the middle of electronic warfare aimed at citizens of both countries."

Twenty years later: Conclusions of 1984 BBC video

Athermal effects of emr are used as a basis for weapons and is a national security issue. The controversy over athermal effects of emr is described as a national security issue by top emr scientists such as Dr. Becker, Dr. Beck and Dr. Zaret, all of whom were consulted by the CIA about the irradiation of the Moscow Embassy. The U.S. government trusted their judgment in the most demanding situation, national security matters.

HAARP, the U.S. transmitter of the 1990s, part of a vast weapons system capable of influencing human behavior. The article, "Apocalypse Now? HAARP or How the US Military is Playing the Sorcerer's Apprentices", by Alain Gossens, Bussels Telemoustique, 22-5-97 was translated by FBIS from french,(see foia section). The article describes the controversy surrounding the HAARP project. "Unofficially, HAARP will use the ionosphere, turning it into an energy weapon." Similar to the Moscow Embassy microwave bombardment and the Russian Woodpecker, the public is never told what is really going on. It is difficult to not believe that these are powerful weapons because both countries continue for decades to develop them. Mind control purposes are equally plausible as other theories such as over- the horizon radar which is better accomplished by other means, Dr. Becker stated.

U.S. cover story of no provable athermal effects can no longer be credibly maintained by U.S. According to Dr. Becker, consultant to the CIA in the early 1960s, the Soviets irradiated the Moscow Embassy and U.S citizens with the Woodpecker signal at great cost and for decades. Dr. Becker described these aggressive acts by the Soviets and the U.S. as an electronic war on the citizens of both countries.

A cover up begins: U.S. government knew of athermal emr effects at least in the 1960s. By basing the U.S. safety standard for emr exposure on politics rather than scientific evidence, the U.S. government knowingly risked the health of U.S. citizens.

Evidence supports a `Manhattan Project' mind control program based on emr athermal effects. The argument can now move to the extent that athermal biological emr weapon effects are capable of controlling the human body and behavior. Fifty years later, the U.S. government is on the record for lying about this issue. There is a mind control program more secret than the Manhattan Project, as Dr. Becker theorized and brain function is based on an athermal emr biological effects. Very sophisticated technology has been developed to control the mind, comparable to the atomic bomb.

Here is one stunning example of many available examples to show how far unclassified neurology research has advanced. A logical conclusion, given all of the evidence presented in this compilation, is that the classified research would make a very powerful mind control weapon. The article illustrates the convenient cover story that the Soviets have mind control research, that brain research for weapons purposes is classified and that emr athermal effects are the basis of mind control weapons. The stunning information is that the U.S. military is funding research to make a device for "inject[ing] information into the brain via electromagnetic waves."

U.S. News, 1-3-2000, John Norseen, Reading and changing your mind. [Lockheed Martin neuroengineer in Intelligent Systems Division] Norseen's interest in the brain stems from a Soviet book he read in the mid-1980s, claiming that research on the mind would revolutionize the military and society at large. [He] coined the term "Biofusion" to cover his plans to map and manipulate [the brain] leading to advances in ...national security... and ... would be able to convert thoughts into computer commands by deciphering the brain's electrical activity. BioFusion would reveal the fingerprints of the brain by using mathematical models, [Smirnov's computer program uses mathematical models also]. It sound crazy,...The National Aeronautics and Space Administration, the Defense Advanced Research Projects Agency, ...have all awarded...research contracts to Norseen. Norseen is waiting to hear if the second stage of these contracts- portions of them classified- comes through. Norseen's theories are grounded in current science. ...By MRI, scientists can tell what the person was doing at the time of the recording...Emotions from love to hate can be recognized from the brain's electrical activity. ...Norseen predicts profiling by brain print will be in place by 2005. ...Norseen would like to draw upon Russian brain-mimicking software and American brain -mapping breakthroughs to allow that communication to take place in a less invasive way. A modified helmet could record a pilot's brainwaves. "When you say right 090 degrees...the computer would see that electrical pattern in the brain and turn the plane 090 degrees. If the pilot misheard instructions to turn 090 degrees and was thinking "080 degrees," the helmet would detect the error, then inject the right number via electromagnetic waves."

An Electronic War starting with the Moscow Embassy: Serious Implications for the World
Besides the need to stop illegal government emr weapons experiments, it is important to educate the public because of the far-reaching global effects surrounding this issue.

2000 Video, "Public Exposure", Cell Phone industry and athermal controversy

Thanks to Betsy Manning for the 2000 video, "Public Exposure" by the Council on Wireless Technology Impacts, (website at www.cwti.org.) This video exposes emr industry abuses similar to the tobacco industry. Billions of dollars in cell phone sales are behind the athermal controversy and a complete lack of concern for the health of consumers. Because Dr. Schwan's 1950s safety limit for exposure to emr is the U.S. standard today, the U.S. public health is at risk. While the cell phone industry testified in a 2000 California Senate hearing that there were no health risks from cell phone use, a scientist testified that the cell phone industry was suppressing research. Another expert, Cindy Sage, Environmental Policy analyst explained the controversy. Athermal effects occur below the U.S. safety standard. The U.S. safety standard is the guideline for the cell phone industry. The scientific studies are reporting damaging health effects below the safety standard but the cell phone industry ignores the research because it is below the U.S. safety standard. Science author B. Blake Levitt wrote the book "Electromagnetic Fields", and explained that the industry knows it will take twenty years for scientific evidence to prove possible damaging health effects from cell phone emr exposure. In the meantime, billions of dollars are pocketed and there is little research into the rising incidence of cancer because the major funder of research is the cell phone industry. In another segment of the video, there were protest marches around the country against section 704 of the Telecommunications Act of 1996. Section 704 states that local governments are banned from taking into

consideration the health effects of microwave, TV, radio and other emr towers which are to be located in their area.

Standard of proof: lessons learned from the cell phone video.

Cindy Sage in the 2000 video entitled "Public Exposure" described three levels of proof, the scientific level of proof, which is the highest level, almost 100%, the legal standard of proof, or 51%, the more probable than not standard and the environmental law standard, in the 10 to 30% range. Ms. Sage stated that the environmental law standard is the level at which public decision making on environmental issues takes place, i.e., at the potential level for a significant health impact. Ms. Sage believes that the emr controversy should be judged by the environmental law standard of proof and she mentioned the California Environmental Quality Act. [Note, I took an environmental law class in summer 2001 and the 2001 environmental law text book listed emr under toxic substances and described it as a controversial topic.]

An association but not a direct cause and effect scientific relationship between the exposure to emr from cell phones and the risk of detrimental health effects has been established. The cigarette industry used the scientific standard of proof, saying that there is no scientific cause and effect between smoking and lung cancer. The cell phone industry is using the same tactic. Environmental issues are decided at the 10-30% level of potential harm in order to protect public health. The cigarette industry's scientific standard of proof did not protect the public. In the late 1990s, all of the top executives of the major tobacco companies testified before Congress, under oath that cigarette smoking does not cause harm to a smoker's health. This is a blatant indicative of the lengths that companies will go to sell their products. Today, it is well known that many smokers died from lung cancer as a result of smoking and the addictive qualities of nicotine. Therefore the environmental standard of proof should be used in the emr research evaluations in order to protect the public.

In addition human rights violations standard of proof is lower and should apply to mind control victims because this is a human rights issue.

Section III

Conclusion: What this information means to victims of nonconsensual government experiments

Victims have two strong arguments for demanding an investigation into their allegations. If the Russians have mind control weapons, the U.S. undoubtedly has a mind control arsenal.

The evidence in this compilation spans 50 years, includes several independent, mainstream sources, and credible professionals, all stating that mind control in Russia exists. The historical and scientific evidence also supports a very long-term, large and classified emr weapons program in Russia and the U.S. The U.S. government is on record for lying to the U.S. public about lack of proof of nonthermal effects while the Russians claim that nonthermal effects of emr are being used for weapons. Now in the 1990s, the U.S. reveals

the nonlethal weapons program and claims in U.S. News and World Report, 7-7-97, that "scientists, aided by the military research on the `bioeffects' of beamed energy are searching the electromagnetic and sonic spectrums for wavelengths that can affect human behavior." The translation of the 1999 Lopatin book is the best evidence yet, a top Russian politician and scientist claim Russian mind control weapons exist and should be under international control.

Second, the athermal controversy is equally convincing historical evidence of a classified U.S. mind control program.

The number of victims in the U.S. and Russia, not to mention other countries is growing. For the first time, victims as a group can now organize and go to their congressional representatives, human rights groups, lawyers and investigative reporters and present an adequate level of proof of their claims, never before possible. The evidence now meets the standard of proof required for mainstream journalism, public knowledge and investigations such as a GAO investigation or a congressional hearing or a human rights investigation. Please see below for evidence and citations.

Electronic warfare since 1953, without public knowledge

In "Project Pandora", Dr. Becker, an eminent scientist consulted by the U.S. government on emr national security issues has warned of the electronic war on the citizens of the U.S and U.S.S.R. Many experts including Oppenheimer have warned that the Orwellian dangers of mind control are worse than the atomic bomb,(American Psychological Association). Information warfare using the mind as a target was described in the tv program, War 2020. War would be fought without even knowledge of a war taking place, (See Cahra International Campaign section).

In his 1990s book, "Crosscurrents", Dr. Becker wrote that it may be too late to stop the ongoing weapons programs. Unlike peace, electronic warfare resembles another cold war with its resultant high costs. Experts and public officials from the east and west warn of the dangers of psychotronic weapons or nonlethal emr weapons, the need for international control and of the need for open public debate.

What can be done?

Cahra does not have the resources to organize victims but I hope that others will. If this issue is presented as the international human rights issue that it is, public officials will be able to use their authority to ask for an investigation. Cahra will send this compilation with original articles and translation at cost for xeroxing and postage to anyone interested in stopping nonconsensual government experiments.

Finally, thank you to all of the victims who generously donated to this project and also to those who shared their information included in this article. I could not have done it without you. The Russian translation project is a major step forward. I hope that much more research can be done and that as a result, a better strategy to stop illegal government experiments will be found in our lifetime.

Russian Experts State Mind Control Weapons Exist and Warn of Dangers of Psychotronic Weapons and War.

"...decades of research and investment of untold millions of rubles in the process of psycho-corrections has produced the ability to alter behavior on willing and unwilling subjects, experts add. The Russian experts, including George Kotov, A former KGB general also report a list of software and hardware associated with their psycho-correction program that could be procured for as little as \$80,000. As far as it has become possible to probe and correct psychic contents of human beings despite their will and consciousness by instrumental means; results having been achieved can get out of [our] control and be used with inhumane purposes of manipulating psyche," Defense News 1993.

U.S. sources said government officials and leaders from the business and medical communities will consider Russian offers to place the mind-control capability under bilateral controls. The sources say the Russian government, in the spirit of improved U.S.-Russian relations, is beginning to lift the veil of secrecy surrounding the technology [acoustic psycho-corrections, the transmission of specific commands via static or white noise bands into the human subconscious without upsetting other intellectual functions]. Defense News, 1993.

Dr. Igor Smirnov, consultant to the FBI about the use of acoustic psycho-correction on Koresh and one of the most important Russian psychiatrists, showing a computer illustration of the human subconscious, "To rule the [human] soul, one only has to put them into the area of effective vicinity of the apparatus. Or, there is already a method to transmit hidden information over long distances. According to Smirnov [such a method] does exist. ZDF, 1998.

V.N. Lopatin, author of "Psychotronic War and the Security of Russia", 1999, Moscow, Russian duma deputy advocates against mind control weapons in Russia and internationally for ten years. Lopatin proposes three times, legislation to ban illegal development and sale of mind-control devices. Lopatin quote in Moscow Times, 7-11-95, "Of course this project [psychotronics] is surrounded with alot of hysteria and conjecture.Something that was secret for so many years is the perfect breeding ground for conspiracy theories."

V.D. Tsygankov, co-author of "Psychotronic War and the Security of Russia",1999, Moscow, scientist spent many years studying bionics and the development of neuro-computers. Tsygankov describes the problems of psychotronic weapons and war.

Lieutenant Colonel Timothy L. Thomas, US Army, Retired, writing about information warfare and a hard to believe report by a Russian scientist form the renowned Russian Baumann Technical Institute on use of computer screens to control or kill people. "...Yet in hindsight, man once could not comprehend electricity either, and we should at least consider the possibility of this phenomenon. As the Russians have noted on several occasions, he who makes the first inroads into this area will control the destiny of mankind in the near future. Military Review, 1997

Victor Sedletsy, scientist interviewed by Stolitsa, 1992, "As an expert and a juridical person, I assert that mass productions of psychotronic biogenerators and their testing is underway in Kiev."

Academician V. Kaznachev from Novosibirsk writes in Stolitsa, "The military may use ESP to paralyze the will of other people turning them into obedient slaves." Kaznachev therefore insists on placing this kind of research under international control.

Fetzer Foundation of Michigan, Resolution, from Gurtovi book, "Psychotronic War", on emr research, "...we voluntarily undertake an agreement to never use, under any conditions, such weaponry and to sign any international agreements concerning this end.", signed by 20 science and administrative Fetzer conference participants, 1989.

From Gurtovi book, 1988, psychologist and psychotherapist from Netherlands, Vim Kramer, in a speech to First European Conference of Parapsychological Association, "What is needed now is openness of the research and freedom of information with respect to those perhaps secretly performed works, the results of which may be guilefully used in psychotronic war. ...It is necessary to hurry.. Since, in the opposite case, in the next century, perhaps it will be difficult to survive not only for parapsychology, but to the whole mankind."

"Ludmila Pikhova, an experienced presidential aide and speech writer turned on Rogozin, [Kremlin Security, former KGB and chief scientist on security problems], during a recent Kremlin meeting, screaming, "Don't you try to control my subconscious ever again.", reported in 1995 Washington Times.

Sergei Parkhmenko Russian journalist, Sevodnya newspaper put together a dossier of strange goings-on, including Ludmila Pikhova and other top officials in the Kremlin and confirms many persistent rumors of unusual surveillance, including mind control, Washington Post 1995

Journalist Yury Vorobyovsky has been investigating the top secret program of "psychotronic" brainwashing techniques developed by the KGB and the Ministry for three years. Moscow Times, 7-11-95.

Dr. Rudakov worked in a Defense Ministry psychotronic research laboratory and claimed that psychotronics were used on Spetsnaz troops in Afghanistan according to Moscow Times, 7-11-95. Defense Electronics, 1992 confirmed Dr. Rudakov's information and reported an intelligence agency source, "...we know there is evidence the Soviet Army's Special Forces used the technology during the conflict in Afghanistan."

Anatholiy Ptushenko, member of the Russian Federation of Space Exploration Scientific and Technical Council, 1994, Moscow Rabochaya Truibuna. "So a microwave system can easily be tuned into a psychotropic weapon--formidable in that it has a direct effect on the human brain...just by retuning the generator. ...which started to be developed in the sixties. ...The terrible danger of psychotropic weapons is the possibility of their simultaneously and unequivocally affecting large masses of people over huge areas. ...Nevertheless, faced with

such a terrible danger as psychotropic weapons..., it is our duty to ensure that the development and operation of space based solar energy system receive popular and above all mass media scrutiny."

Moscow Armeyskiy Sbornik, 1996, by Major General Valeriy Menshikov, doctor of technical sciences and Colonel Boris Rodionov, "A psychophysical effect on people also is possible for the purpose of altering their behavior and even controlling the social aims...Thus, the new space systems are potentially dangerous from the aspect of unfolding a wide-scale "information war" and even creating a global systems for controlling people's behavior in any region...A country possessing them will gain an enormous advantage."

19983 Defense and Foreign Affairs. Dr. Stefan Possony was a Stanford Hoover Institute fellow and was called "the intellectual father of `Star Wars" and "one of the most influential civilian strategic planners in the Pentagon" (Guardian, 1995, obituary). Dr. Possony describes the feasibility of communicating directly with the brain using emr and developing emr weapons. Dr. Possony discussed the microwave bombardment of the Moscow Embassy and inferred that the State Department lied about athermal health effects from the microwave irradiation.

Scientifically Proven Victim Symptoms

Symptoms	Scientifically Proven	Scientifically Feasible and Military Interest
1. Microwave Hearing. (DIA Report 1976), NASA DOC AD AO90426, Dr. Allan Frey, Dr. James Lin	Yes	Yes
2. Smirnov acoustic psycho-correction, transmission of specific commands into subconscious, Demonstration, Defense News, 1993 Defense Electronics, 1992	Yes, per Janet Morris, 1990s	Yes, bilateral controls. US Corp. buy Russian equipment
3. Emr signals to brain causing visual disturbances. Demonstration by Dr. Rauscher, Bise on CNN 1985.	Yes	Yes, Dr. Becker
4. Inject words, numbers into brain via emr waves. U.S. News, 2000, J. Norseem	No	Yes, review by military for funding
5. Manipulation of emotions via magnetic signals to the brain. ABC News 1998, demonstration Magnetic Therapy for depression	Yes	Russian newspaper allegations Yes, War 2020, Discovery Chan., demonstration
6. Reading thoughts by deciphering brain electromagnetic signals U.S. News, 2000, J. Norseem, LA Times, 1976, etc.	Yes	Yes
7. Disruption of internal organs, severe pain, nausea, diarrhea, Bul. Atomic Sci. 1994, etc.	Yes, heating weapon demonstration, rest heavily discussed	Yes, nonlethal
8. Remote manipulation of human behavior from space		
1. Russian Federation of Space Exploration Scientific and Technical Council, member Anatoliy Pushenko	No, credible account of 1960s Russian weapons programs	Yes

2. Also, Russian Major General and only Colonel FBIS article	No, accounts only	Yes
3. Scientists, weapons experts, EU members on U.S. HAARP Project, from Brussels Telemoustique,1997, FBIS article.	No	Yes

Table of contents with citations

1.

1 page overview plus 12 page summary

A. Russian Experts state mind control weapons exist and warn of dangers of psychotronic weapons and war

B. Chart of scientifically proven victim symptoms

C. Table of contents with citations

Section I

The best argument for the existence of U.S. EMR Mind Control Weapons: The Russian evidence

1.

Cahra Website posting, "Russian Book Translation Project Has Begun"

2.

U.C Davis students translate sixty-two pages of the Russian book "Psychotronic Weapons and the Security of Russia" by V.N. Lopatin and V.D. Tsygankov,1999 Moscow

A. Lopatin on Russian TV, 1995 asking for дума legislation banning mind control weapons.

B. Three lexis-nexis articles on Lopatin

1. Defense and Security, Feb. 14, 2000, "The Riders of the "Psychotropic" Apocalypse" by Andrei Soldatov. Lopatin discusses his ten year effort to ban mind control weapons.

2. Interfax Russian News, August 16, 1999, "Duma to Debate PM's Confirmation, Dagestan on Monday" Lopatin's duma work discussed.

3. Xinhua General Overseas News Service, Oct. 11, 1990, "U.S. Defense Secretary to visit Moscow", discusses Lopatin's trip to U.S., meets U.S. Defense Secretary Cheney, Lopatin speaks at National Press Club.

C. Biography of Vladimir Nikolaevich Lopatin

D. Biography of Vladimir Dmitrievich Tsygankov

E. Table of Contents-D. Milks, translator

F. From the Publisher

G. Chapter 3 The Physical-Biological Basis of PSW, p. 42-48

H. Chapter 6 State Defense Initiative and Concept of Arms By V.D. Tygankov

I. Chapter 7. Legal Problems of Defense From Informational Weapons by V.N. Lopatin

J. Conclusion

K. Literature

3.

Translation excerpts from second book "Psychotronic War, From Myths to Facts" by Igor Vinokurov and Georgij Gurtovoj", Moscow 1993, Translated by Mojmir Babacek

A. Kalamazoo Gazette, 4-14-89, "Western, Soviet scientists full of energy" by Bill Krasean. On Russian scientist Vlail Kaznacheev, mentioned in Gurtovi book and cited in Russian article below, Stolitsa, No.43, p. 40, "MC-Ultra Program" by Alexei Myasnikov.

4.

Several corroborating Russian newspaper articles on mind control

A. Defense and Foreign Affairs, Nov. 1983 Publisher's Note, on Russian "electronic systems "to "beam" messages directly into the brain."

- B. Defense News, Jan 11-17, 1993, "U.S., Russia Hope to Safeguard Mind-Control Techniques" by Barbara Opall
- C. Moscow News, March 12, 1994 Science No. 12., on Smirnov and psychotronic weapons.
- D. Newsweek, 8-22-94, "Subliminal Dr. Strangelove" by Dorinda Elliott, John Barry, on Smirnov and Waco, FBI meetings.
- E. Moscow News, March 25, 1994 "when asked noiselessly, answer silently", on Smirnov's mind control work.
- F. Moscow Times, "Computers may hold Key to Subconscious" No. 505, on Smirnov's psychotronic work
- G. Charleston Gazette, March 4, 1994, "FBI Rejected Mind Control With Koresh"
- H. Defense Electronics, July 17, 1992, "DOD, Intel Agencies Look at Russian Mind Control Technology" by Mark Tapscott
- I. The Glasgow Herald, May 26, 1993 "Brainwash killers `still in use'", on alleged Soviet military use of psychotronic weapons.
- J. Washington Times, May 24, 1995 "Reputed Rasputin advises Yeltsin; Ex-KGB officer dabbles in occult", by Martin Sieff, on allegations by Kremlin officials of use of mind control by KGB.
- K. Sacramento Bee, May 28, 1995, "The Kremlin's Back Magician", by Miranda Anichkina
- L. Stolitsa, N. 43 p. 40, "MC-Ultra Program" by Alexei Myasnikov, on human rights groups alleging government mind control experiments.
- M. Moscow Times, July 11, 1995, N. 750, "Report: Soviets Used Top-Secret' Weapons by Owen Matthew's with comments by V.N. Lopatin.
- N. Delovoi Mir, pp. 1,9 "Mind-Control" by Ivan Tsarev, with complaints filed with Russian government by victims of emr mind control experiments.
- O. Los Angeles Times, 1976? "Russia Testing Radiation to Cause Disease, Control Minds and Kill", by Paul Bannister
- P Los Angeles Herald-Examiner, Nov. 22, 1976, "Mind-Altering Microwaves, Soviets Studying Invisible Ray"
- Q. Fate Magazine, Feb, 1994, Vol. 47, No. 2 Issue 527, "Soviet Psychic Warfare", by Paul Stonehill

R. Executive Intelligence Review Special Report, 1988, "Electromagnetic-Effect Weapons: The Technology and the Strategic Implications"

5.

1998 German TV, ZDF, "Secret Russia: Moscow--the Zombies of the Red Czars", documentary on Russian victims of psychotronic experiments, obtained by Blanche Chavoustie

Section II

The Second and Equally Convincing Argument For the Existence of U.S. EMR Mind Control Weapons: The East/West Controversy over Thermal/Athermal effects of Emr Ends With the Exposure of a U.S. Cold War Cover Story

1.

Freedom of Information Act excerpts from Harlan Girard, released 2001

A. Moscow Rabochaya Tribuna Nov. 26, 1994 pp 1-2, "Psychotropic Arms Potential Must Be Monitored', by Anatolily Ptushenko, Member of the Russian Federation of Space Exploration Scientific and Technical Council. "While microwave radiation is variable: it can affect a person (or an army) temporarily or possibly forever. It is all determined by the mix of frequency and the power of the radiation. These systems were called "psychotropic Weapons" in official secret documents 30 years ago. It was these systems that we began to appreciate in the sixties. ...Nevertheless; faced with such a terrible danger as psychotropic weapons (and other kinds of space-based weapon), it is our duty to ensure that the development and operation of space-based solar energy systems receive popular and above all mass media scrutiny."

B. Russia National Information Security, Moscow Armeyskiy Sbornik, Oct. 96, No. 10, pp 88-90 "National Information Security: Opinion of the Subject", by Major General Valeriy Menshikov, doctor of technical sciences and Colonel Boris Rodionov, discussed satellites, remote mind control.

C. Beijing Renain Junyl [People's Military Surgeon] Vol 40, No 9 Sep 97, pp 507-508. Discusses infrasound weapons to induce immeasurable fear and unstable mental state...or even symptoms of mental disease."

D. People's Military Surgeon, Vol 40 No. 9 Sep 97 pp 507-508, discusses Incoherent Light Source weapon that can cause blindness and disorientation, and can also lead to symptoms of mental illness.

E. Beijing Jiefangjun Bao Chinese, 25 Dec. 1996, "High-Energy Microwave Weapons" Known as "Superstars", article stated, ""non-thermal effects" can produce psychological damage..."

F. "ATTN Wire Select, Belgium, by Alain Gossens, "Apocalypse Now? `HAARP' or How the US Military is Playing Sorcerer's Apprentices", stated, "all research in the area of electromagnetic energy -- for say, medical purposes-- has been blocked. As a result a vast and highly promising field of science and medicine has been monopolized by interests with ties to the US Army."

1. British tabloid, The Big Issue, Oct 2, 2000, "Strike Force", Dr. Bertell [a respected Canadian biometrics expert who led the Bhopal and Chernobyl Medical Commissions]"claims HAARP could disrupt human thought-processes."

2.

1983 Washington DC Conference on Psychological Strategies sponsored by the "Intellectual Father of Star Wars", Dr. Stefan Possony, discussing Russian emr mind control based on athermal emr effects.

A. Defense and Foreign Affairs Daily, 6-7 83 "Psy-War: Soviet Device Experiment" Article stated, "Dr. Adey was quoted as saying: "Some people theorize that the Soviets may be using an advanced version of the machine clandestinely to seek a change in behavior in the United States through signals beamed from the USSR."

3.

BBC TV 1984 documentary, "Opening Pandora's Box", highlighting Dr. Becker's theory of large, classified U.S. emr weapons program based in part on evidence of the thermal/athermal controversy.

A. AP Extra by Barton Reppert, May 21, 1988, "The Zapping of an Embassy: 35 Years Later, The Mystery Lingers"

B. November 6, 1953, "Destroying American Minds-Russians Made it a Science" Dr. Charles W. Mayo to the Political Committee of the United Nations about methods of torture used by Communists on American prisoners.

C.. Federal Times, Dec 13, 1976, "Microwave Weapons Study by Soviet Cited", From GPO, 1976 "Surveillance, Technology, Policy and Implications" Staff Report Subcommittee on Constitutional Rights, Committee on Judiciary, US Senate, Second Session.

D. Modern Electronics, Sept 1985, "Combating the Russian Woodpecker", by Glenn Hauser

E. UN, July 10, 1979, Committee on Disarmament by V.L. Issraelyan, Representative of the USSR, discusses development of new weapon of mass destruction based on `non-thermal' effects.

F. Letter to Cheryl Welsh from NSA,CIA, May 19, 1997, "Soviet mind control system...is classified..."

G. NBC Magazine with David Brinkley, July 16, 1981, No. 47592, discussing Russian Woodpecker Signal and mind control.

H. U.S News and World Report, July 7, 1997, "Wonder Weapons, The Pentagon has a huge classified program to build sci-fi arms that won't kill the enemy. ..." By Douglas Pasternak

4.

2000 Video by Council on Wireless Technology Impacts, "Public Exposure", www.emrnetwork.org. More evidence of athermal controversy

A. Microwave News, March/April 2001 "Views on the News: Weapons Development and Public Health Should Not Mix"

Section III

Conclusion: What this information means to victims of nonconsensual government experiments

1.

Where does the Russian translation Project fit in to the evidence?

A. Short overview: The scientific basis for emr mind control weapons, athermal effects of emr. Plenty of evidence in mainstream press

1. Davis Enterprise, 3-1-2001 "Frankengenes': The Dark Side of Biotechnology" by Lee Bowman

2. Parade Magazine, Dec. 29, 1996, Reuters: "Best News for Mortals" "British scientists say they're working on a "Soul-Catcher" memory chip, which would record human memories and thoughts, and expect it to be working within 30 years." Open literature discusses scientists interested in futuristic technology. Scientists conducting classified research, given the evidence in this compilation, have developed very sophisticated mind control weapons.

3. New York Times Magazine, Sept 29, 1996, "The Altered State" by Elizabeth Rotte. "Michael Persinger, a psychologist and neuroscientist at Laurentian University in Ontario, ...solenoids, which create gently fluctuating fields ...The impulses move through ... the brain, where they interfere and interact with the complex electrical patterns of the subject's neural fields. Persinger aims...switches ...they sense a sexual arousal.. negative presence, a benevolent force , opiate effects,...

4. Bulletin of Atomic Scientist, Sept/Oct 1994 by Barbara Hatch Rosenberg, "The Soft Kill Fallacy". "Many of the non-lethal weapons under consideration utilize infrasound or electromagnetic energy...These weapons are said to cause ...interference with mental

processes, modification of behavior and emotional response,...severe pain... The current surge of interest in electromagnetic and similar technologies makes the adoption of a protocol explicitly outlawing the use of these dehumanizing weapons an urgent matter."

5. US. News Jan 3/10 2000 by Douglas Pasternak, "John Norseen, Reading your mind and injecting smart thoughts" "BioFusion would be able to convert thoughts into computer commands, predicts Norseen, by deciphering the brain's electrical activity. ... Norseen's theories are grounded in current science. Mapping human brain functions is now routine..."

B. Russian and American victim's symptoms match.

1. U S District Court Eastern District of CA No Misc. 94-097-WBS John M. Ginter, Plaintiff, v. California Department of Corrections, et al., Defendants. John Ginter, San Quentin prisoner with high school education described in his 1967 court case that Dr. Schmidt, the San Quentin psychiatrist called the equipment used on John, "M.I.N.D. or Magnetic Integrated Neuron Duplicator".

2. Los Angeles Times, 3-28-88 part 2 page 1, "A Fearful Fix Grips Figure in Kickbacks" by Kim Murphy, Rex Niles, an FBI informant in a defense contractors kick back case in Los Angeles, CA. Photo caption stated, "His aluminum foil hat has tiny holes in it, says Rex Niles, proof that the government is bombarding him with microwaves in an attempt to kill him." He had detected microwave signals but was still labeled mentally ill.

3. New York Times Magazine, Aug. 31, 1997, "Atomic Guinea Pigs" by Michael D'Antonio "At the Department of Energy, which oversees America's nuclear-weapons research, these people [radiation experiment victims] were referred to collectively as "the Crazies." But the opening of the cold-war archives has brought the Crazies in from the fringe." The mind control victims in Russia and the U.S. are both labeled mentally ill.

C. Conclusions

Section I

The best argument for the existence of U.S. EMR Mind Control Weapons: The Russian evidence

1. Cahra Website posting, "Russian Book Translation Project Has Begun"

2. U.C Davis students translate sixty-two pages of the Russian book "Psychotronic Weapons and the Security of Russia" by V.N. Lopatin and V.D. Tsygankov,1999 Moscow

3. Translation excerpts from second book "Psychotronic War, From Myths to Facts" by Igor Vinokurov and Georgij Gurtovoj", Moscow 1993, Translated by Mojmir Babacek

4. Several corroborating Russian newspaper articles on mind control
5. 1998 German TV, ZDF, "Secret Russia: Moscow--the Zombies of the Red Czars", documentary on Russian victims of psychotronic experiments, obtained by Blanche Chavoustie

1. Russian Book Translation Project has begun

Sponsored by Cahra,
Citizens Against Human Rights Abuse
Cheryl Welsh, Director
Feb. 2001

Thanks to an anonymous tip, Cahra is sponsoring the translation of the 1999 Russian book, "Psychotronic War and Security of Russia", by V.N. Lopatin and V.D. Tsygankov. "Psychotronic" includes electromagnetic radiation, (emr) and mind control weapons.

This is the Russian translation of the author and title, above. ISBN 5-89638-006-2. 99-5371.

Cahra has purchased this 150 page book and has hired a team of UC Davis students, under the guidance of several UC Davis Russian Studies professors, to translate this book. The student team leader has a double major in Russian and International Relations.

Donations Needed: Sponsor a paragraph, page or chapter

Translating a language such as Russian is time consuming work which requires skill in choosing the correct words out of the many meanings a Russian word can have in English. This will be a professional translation, with the expertise of several fluent Russian professors and professionals available to the UC Davis students. Due to a university work study matching program, this is an excellent opportunity.

Translations in Russian usually start at 100\$ per page.

Thanks to donations by Ed Light, Cheryl Welsh, Harlan Girard, Eleanor White and Mike Duffey and an anonymous donor, we have approximately thirty pages paid for and the translating has started. As soon as approval from the editors is given for copying the translations, anyone who donates and is interested in a copy of the translation, will receive a copy upon request (minimum donation for copy of translation is 25\$). Please ask others for donations to this important cause. Any amount is helpful and tax deductible with Cahra's IRS status as a nonprofit 501(c)3 organization.

Why the translation is critical to Cahra's work

Contacting the highly influential and reputable Lopatin, an expert in the Duma in Russia

would be a big step forward in strengthening the claims of victims in the US, at an international level. In addition, the translation can be used to generate funding from sponsors of human rights groups. The translation could be shared with other human rights groups, especially ICRC, which has worked extensively on the electromagnetic radiation (emr) issue.

A few people in Cahra's network have engineering backgrounds and may use the technical information in the book. The U.S. government position is that emr technology is classified. Therefore technical information on Russian victims and Russian mind control technology will support the claims of extensive use of mind control weapons and the obvious need for the US to have corresponding mind control technology, a fact which is denied by the US government.

There are a few attorneys working on freedom of information requests and this information could narrow the search. The Russian legal and political writings and government documents by Duma expert Lopatin will be invaluable for credibility and substantiation of mind control experiments on an international level. Finally, the information on victims in Russia could be evaluated and added to the literature review in the Dr. Bertell Preliminary Study.

Background information

Yuriy Lopatin, author of the Russian book, is mentioned in two unclassified government documents received under a freedom of information act request. The subject was a Moscow Russian Public Television program on Oct 6, 1995 entitled "Man and Law", Scientists Discuss Mind Control Technology. The program included an interview of ;

"State Duma expert Yuriy Lopatin calling for legislation banning illegal development and sale of mind-control devices." The documents stated further, "A State Duma expert, Yuriy Lopatin says: "Psychotronic Technology is spreading illegally. A law banning the illegal development, production, retailing, and spreading of psychotronic devices which influence the minds and behavior of citizens is badly needed." He goes on to say: "The use of the mass media for psychological experiments should be banned and all the state-ordered research in human genetic experiments should be strictly registered. This was approved by Georgiy Georgiyevich Rogozin, first Deputy Head of the Presidential Security Service."

A highly recommended , credible book on a topic rarely written about.

An AP reporter familiar with the emr issue, recommended translating this book after reviewing an excerpt. The UC Davis Russian Studies professor was impressed with Lopatin. At forty, according to the biography in the book, he had accomplished alot and held a high position in the Russian government. The second author, a radio engineer or scientist, V.D. Tsigankov is also well recommended.

A Russian view of mind control weapons not reported in the western press and a strong recommendation of this book.

The person who gave the anonymous tip wrote the following insightful information, which correlates which the 25 Russian articles which Cahra has collected from the library database Lexis Nexis. (See Cahra website, entry 11, chapter 5 for a partial list of the Russian articles.)

"There is also published in 1999 in Moskow very serious and fundamental book by Lopatin. He is author of the third legislation project, the chairman of Dumas Ecological Committee before the autumn of 1999. I have read about Emilia Cherkova and her group in Russian book "Psychotronic War" by A.Vinokurov and M.Gurtovoi, edited in Moskow in 1993. This organization had approximately 500 members in 1990-1993, mostly democratic activists from Russia and Moskow - victims, targeted by KGB using infrasonic and psychotronic weapon in combination with direct "hunting" on the cities streets.

Even after the dead of USSR in 1991, in the summer of 1992 KGB in Russia hired graduated students from medical universities (psychiatrists, psychoanalytics) to work in secret laboratories on human behavior control experimentation. After the second victory of democracy in October 1993 the hunting on people was officially prohibited. But a large amount of psychotronic devices had been sold to criminals and different kinds of private Security Services. After that this devices often used for apartment extortion, criminal attacks, and racket.

In Russian Parliament from 1993 till 1999 were prepared 3 different legislation projects against human behavior control experimentation and non-lethal weapon harassment, but no one had been accepted. In Ukrainian and Russian press from 1990 published a lot of articles concerning development and usage of psychotronic weapon (psychotronic generators) on the territory of former USSR and in Ukraine, and now I have found a lot of resources In Russian and Ukrainian segments of Internet."

The table of contents of the Lopatin book has been translated and includes the following highlights.

Chapter 1. The Problem of Psychotronic Weapons and Psychotronic War.

Chapter 2. The Informational Foundations of PSO

Chapter 3. The Physical-Biological Basis of PSO

Chapter 3.1. Elementary Particles, The Interaction of Radiation and Matter

Chapter 3.2. Chromosomal Target, Mitogenetic Rays and A.G. Gorvich's Biological Fields

Chapter 4. Types of PSO, Its Harmful Factors and Field Applications

Chapter 4.3 Hypnosis

Chapter 4.6 Telepathy

Chapter 4.14 Technical Means of PSO, Interactions

Chapter 4.15 Neurocomputers As Possible PSO Means

Chapter 5.4 V.I. Vernadki's Noosphere and the Russian Nationalist Idea

Chapter 6. State Defense Initiative and Conceptions of Arms

Chapter 6.1 ONSD- Weapons of Nonfatal Effect

Chapter 6.2. Financial Fights in the U.S. Military

Chapter 6.3. Conception of PSO Weapons

Chapter 7. Legal Problems of Defense From Informational Weapons

Chapter 7.1. Topicality of Problems, Forms, And Harmful Information

Chapter 7.3 State System of Guaranteeing Informational-Psychological Safety

Chapter 7.4 Informational Weapons in Informational War

Chapter 7.5 Particularities in Legal Protection and the Proper Defense for Informational Systems

More Russian book translations to follow.

This may be just the beginning of an expanding Russian translation project. There is an extensive bibliography in the Lopatin book and a translation may lead to more critical Russian government documents and papers. The Russian group of human rights experts including Lopatin, who are against the illegal use of psychotronic (emr) weapons and also the victims of Russian psychotronic experiments, have made highly commendable progress in Russia. I hope that we can work with our Russian counterparts in the future. And finally, Cahra is trying to find a second book given in the anonymous tip above, entitled "Psychotronic War" by A. Vinokurov and M. Gurtovoi, edited in Moskow in 1993. If anyone has information on this book, please contact Cahra.

Short Comments

Thanks to your generous donations, 62 pages out of a total of 140 of the V.N. Lopatin and V.D. Tsygankov book "Psychotronic Weapons and the Security of Russia, 1999, Moscow were translated by the UC Davis team of student translators. A summary of the main conclusions and highlights of the Russian book translation are below. The whole translation, so far is included in this compilation just after the summary.

This evidence is the most substantiating Russian mind control information that Cahra has found. Internationally, Mr. Lopatin stands out as the most powerful public figure to advocate a ban on mind control weapons.

The evidence in this compilation does not meet the scientific level of proof or the legal level of proof but it does meet the level of proof required to ask congress, human rights groups and others for an investigation into government mind control experiments. This evidence also meets the requirements of a journalism level of proof; several independent credible sources corroborating the evidence in a news story.

V.N. Lopatin: prominent and influential public official in Russian Government for ten years.

For over ten years, V.N. Lopatin has been prominent and influential in the Russian government. He has advocated the banning of Russian mind control weapons since the breakup of the Soviet Union and has taken this cause to the UN. Mr. Lopatin has a law degree, was a member of the state Duma of Russia and is currently a Russian government representative to Japan. The book includes his outline of the problem and threat of psychotronic weapons and war and the importance of public relations concerning this global threat. He writes of the proposed Russian federal law "Informational-psychological safety" concerning the protection and defense of rights and lawful interests of citizens and society. Internationally, Mr. Lopatin stands out as the most powerful public figure to advocate a ban on mind control weapons.

Yuriy Lopatin, author of the Russian book, is mentioned in two unclassified government documents received under a freedom of information act request. The subject was a Moscow Russian Public Television program on Oct 6, 1995 entitled "Man and Law", Scientists Discuss Mind Control Technology. The program included an interview of Lopatin.

"State Duma expert Yuriy Lopatin calling for legislation banning illegal development and sale of mind-control devices." The documents stated further, "A State Duma expert, Yuriy Lopatin says: "Psychotronic Technology is spreading illegally. A law banning the illegal development, production, retailing, and spreading of psychotronic devices which influence the minds and behavior of citizens is badly needed." He goes on to say: "The use of the mass media for psychological experiments should be banned and all the state-ordered research in human genetic experiments should be strictly registered. This was approved by Georgiy Georgiyevich Rogozin, first Deputy Head of the Presidential Security Service."

The following article excerpt discusses Lopatin's ten year work to ban mind control weapons.

February 14, 2000, Monday THE RIDERS OF THE "PSYCHOTROPIC" APOCALYPSE
Segodnya, February 11, 2000, by Andrei Soldatov

"THE RUSSIAN DEPUTIES INTEND TO DISCUSS THE DRAFT LAW ON INFORMATION SECURITY IN THE COUNTRY. THIS DECISION AROSE FROM THE FACT THAT THE US ALLEGEDLY CREATED A LOT OF DEVICES, WHICH CAN

DESTROY INFORMATION SYSTEMS IN RUSSIA AND INFLUENCE THE POPULATION. According to "Segodnya," currently the Duma is actively discussing the draft law on the information-psychological security submitted by Vladimir Lopatin. It is possible that the fruit of ten years of work (the works on the draft law began in 1990) will be discussed in the first reading in April.

Such laws have never been discussed in any country. But this fact does not embarrass the deputies because they discovered that the enemy, which threatens Russia in this sphere, is dreadful and powerful. Secret methods of information-psychological influence can not only harm a person's health, but also lead to "the loss of people's freedom on the unconscious level, the loss of capability of political, cultural and other self-identification, manipulations with social consciousness" and even "the destruction of a common informational and spiritual integrity of the Russian Federation".

The next Lexis-Nexis article excerpt is an example of Lopatin's high position in Russian government.

Interfax Russian News, August 16, 1999, DUMA TO DEBATE PM'S CONFIRMATION, DAGESTAN ON MONDAY MOSCOW. Aug 16 (Interfax) The Russian State Duma will debate at its meeting on Monday the confirmation of Vladimir Putin, nominated by President Boris Yeltsin for premiership, and the situation in Dagestan.

Four hundred and four out of the total membership of 450 are attending the session which started at 2 p.m.

The Communist Party of Russia (KPRF) group's coordinator Sergei Reshulsky suggested that the Dagestan issue be included in the agenda. Defense Committee Chairman Roman Popkovich, Our Home Is Russia, and Vladimir Lopatin, Russia's Regions, support him. Lopatin went so far as to suggest skipping speeches by party group leaders in debating Putin's confirmation so as to allow time for debating a resolution on Dagestan. ...

This final article on Lopatin's background describes Lopatin's visit with U.S. Defense Secretary Cheney and Lopatin's press conference at the National Press Club. See also Bulletin of Atomic Scientist, Jan/Feb. 1991 "Renegade Russians Grab For Military Control" by Jennifer Scheck Lee which stated, "...Yeltsin's September 1990 choice of Lopatin, a former navy officer equivalent to major, to head the republic's new State Committee on Public Security..."

The Xinhua General Overseas News Service

Xinhua News Agency.OCTOBER 11, 1990, THURSDAY u.s. defense secretary to visit Moscow Cheney will stop over in London on his way to Moscow and in Paris on the way back. William's also disclosed today that yesterday, Cheney met with a young soviet military "reformer," Major Vladimir Lopatin, and had a "private conversation" with him. he declined to reveal the contents of the conversation. Lopatin, who addressed a press conference at the national press club here today, is in the united states on a visit hosted by "Global Outlook," a research institute.

V.D. Tsygankov writes six chapters of summary of psychotronic war, V.N. Lopatin writes one chapter about legislation to control psychotronic weapons use.

From the Publisher. Here are excerpts from pages 6,7 and 8 by "publisher and scientific editor of the serious informationization of Russian the 21st century. Cand/ Tech/ Scie/ V.L. Gyrevich, Moscow, Nov. 1998". Gyrevich describes the organization and subject-matter of the book.

...A psychotronic weapon is an effect on the brain, not as much an effect of the words as it is the energy information fields, for example (tertionic fields). A psychotronic war will not need big financing, and it will not cause the destruction of material objects. It means the consistent distortion of the people's psyche. ...The first six chapters of this book were prepared by the candidate of science, Vladimir Dimitrievich Sigankoff, The seventh chapter of the book was prepared by the candidate of jurisprudence, the head of the union of lawyers of Vologotskaya area, Vadimir Nickolaevich Lopatin- As opposed to the first six chapters, there are materials about the peculiarity of legislative defense and the defense of the rights of information systems during the availability of psychological security. ...These materials are new and available to the reader for the first time.

V.D. Tsygankov summarizes psychotronic weapons. Further research is needed.

Here are highlights of chapter 6. State Defense Initiative and Concept of Arms By V.D. Tygankov. The science described by Tsygankov is not clear to a layman and further research is needed. Tysgankov refers to Dr. Shipov and Dr. Akimov in chapter 3 and cites their scientific work in the literature section. The Russian Academy of Science debunked their work on torsion fields and questioned their credentials and this information is included below. In addition, see Fate Magazine article in 20+ Russian article section below for reference to Dr. Akimov and mind control research. Dr. Akimov received a tremendous amount of state funding according to the Stolita article below and yet was later debunked by science officials. There are Russian government documents mentioned in the Stolita and Fate Magazine articles that can be obtained so that this controversy can be explored further. The possibility of government cover up of a Russian mind control program is possible.

Tsygankov writes that after the breakup of the USSR and the Warsaw Pact, the US considers itself "the single superpower" and `a monopolistic technological leader in the world'. Tsygankov states that in addition to the nuclear doctrine, is the threat of US development of nonlethal weapons. He surveys the US Department of Defense finances and key technologies and his analysis reveals that the main emphasis in choice of key technologies is the development of GAUGE, or means of global monitoring of space and utilization of informational technologies.

Next, Tsygankov writes that each and every country should be able to provide adequate means and force to oppose the US. Tsygankov's opinion is that Russia should use "the State Defense Initiative'. It is as follows and includes Tsygankov's capitalization and bold writing.

PUBLICLY, OPENLY, with complete INFORMATION and OPEN DIALOGUE with each

interested individual or country;

In the creation of a POWERFUL PUBLIC OPINION and the IMPERMISSABILITY of SECRET PROJECTS in the sphere of PSW, in the prohibition of such projects and in the DESTRUCTION of samples and supplies of PSW;

Openly conducting projection CREATING means of defense from PSW influence under complete and strict INTERNATIONAL CONTROL;

In an urgent conclusion of international agreements of organizing a joint INSPECTION of projects and state territories conducting Psi-developments;

In creating a COLLECTIVE intergovernment, international SCIENTIFIC CENTERS (similar to UNI-United Nuclear Institute) coordinating plans and programs for solving complex global Psi-problem.

Tsygankov then lists 19 Basic Propositions of Psi-Weapons. He explains that PSW psychotronic weapons are related to the Pi-problem. "The fundamental principle of Psi-armament concept is its humane direction in the name of survival of humanity."

The chapter ends with 5 conclusions. First, "...Prohibition and destruction of PSW under strict international control." Second, "...preservation of a healthy ecology of consciousness of all the citizens, of the most valuable intellectual gene repository of Russia." Third, "...removal of veil of secrecy,..." Fourth, "...Creation of the Global system of rapid-monitoring of consciousness' ecology and Psi-conditions." Fifth, "...create an organizational structure under the President."

V.N. Lopatin discusses his detailed and legalistic views on psychotronic weapons. Mind control weapons are categorized as an information weapons.

A Note on the Tsygankov science controversy

Here is an article that indicates how the Lopatin/ Tsygankov book may be analyzed on the international level. See especially the third paragraph. Also note that Lopatin refers to the Virus 666 in chapter 7.

The article is "The Age of the New Persuaders", by Lieutenant Colonel Timothy L. Thomas, US Army, Retired May/June 1997 Military Review, p 72. 1st paragraph:

"There is another, more serious danger in the technical computer-manipulation arena, one which many Americans might expect to find in the pages of the National Enquirer. It does not involve semantic, informational or psychological devices, but focuses instead on a combination of technical and psychological devices that allegedly affect body processes. For the most part, this danger has been attributed to the Russian press and Russian scientists. Today, these scientists are studying how the display of information on computer monitors can affect the computer operator's bodily processes. They are looking for ways to

manipulate the operator to make him press certain buttons or pass along or destroy certain information as if he were hypnotized. The Russians are seriously investigating the potential of this phenomenon."

2nd paragraph:

"There are reports that the Russians have developed "Virus 666," which displays certain color and number combinations on a computer screen to affect bodily processes. According to a Russian report delivered by a scientist from the renowned Russian Baumann Technical institute at an information Warfare conference in Washington, DC, Virus 666 has been responsible for shutting down the bodily functions of more than 50 people, resulting in their deaths. 18"

3rd paragraph:

"Can such things happen? Americans are doubtful, because there is no proof computer screens can be used to control or kill people. Most believe such reports are not credible, even though Russian scientists, supported by highly influential people close to Russian leadership, are responsible for the information. Is Virus 666 a Russian manipulation effort to make the United States spend money on counter measures research and development? Perhaps. Yet in hindsight, man once could not comprehend electricity either, and we should at least consider the possibility of this phenomenon. As the Russians have noted on several occasions, he who makes the first inroads into this area will control the destiny of mankind in the near future."

In the Lopatin book, Tsygankov is a scientist and co-author with Lopatin, a duma expert. Tsygankov's views on mind control are supported by the highly influential Lopatin but the information is not believed. There is proof of mind control, but not at the scientific or legal level of proof. Unfortunately there is not yet a short and concise explanation because the information has been suppressed and each fact must be proven and also supported by experts.

Tsygankov is a 'highly influential' person close to Russian leadership, Lopatin and Tsygankov published information on mind control weapons that most US experts deny publicly or think is doubtful. Top Russian scientists like Tsygankov put out incomplete or publicly discredited information. Americans would doubt the validity of Tsygankov's scientific information. Lopatin and Tsygankov do seem to be highly concerned Russians worried about new weapons. The Lopatin book may also be used for diplomatic communication, testing the diplomatic and scientific waters or as Dr. Thomas explained, the information warfare game.

Questions remain about Tsygankov's scientific work and more research is needed. It could be that Tsygankov did not want to reveal national security secrets. It is interesting to note that Tsygankov did not have money to publish his books on neurocomputers, although Lopatin supports his views and Tsygankov has extensive credentials. Tsygankov could be a targeted dissident.

Highlights from chapter 7 Legal Problems of Defense From Informational Weapons by V.N. Lopatin

The last chapter begins with an overview of Informational weapons to include "unlawful utilization of commercial information, industrial espionage and hacking". Lopatin writes, "That necessitates solving problems related to the possibility of an informational war, negative informational influence upon the individual and public consciousness and psyche of people, upon the computer networks and other informational systems from the organizational, technical as well as from the rights points of view."

Next, Lopatin writes, "it is still necessary to elaborate on destructive influences on human from cults, people who have parapsychological abilities, and others who covertly program via information sources, generators of physical fields and radiation, computer programs and other psycho-technologies." The reference to this quote includes I. Smirnov, et al, "psycho-technology: Computer Psycho-semantic Analysis and Psycho-correction On the Unconscious Level, M, 1996. (See Smirnov and Waco, FBI article on Cahra website.)

Lopatin writes

"...To the repeated appeals of Moscow's committee of habitat ecology to the organs of public prosecutor concerning the experiments upon the inhabitants of weapons of psychotronic type, in Moscow's public prosecutor reply #32-7-15-97 from 4/7/1997, it is stated that they are worried about the problem and they do send the "pertinent information" to the Attorney General of the Russian Federation. They are forced to note that:

"The given documents are proof that the principal requirement comes down to establishing control to research rights in this area of study. However, there is no legislation on this subject. therefore, the office of the prosecutor of the city has no ability to in any way protect the rights of citizens who are subjected to the influence of psychotronic technology."

That is already demonstrated by active research done in this area abroad. For example, intensive developments of methods and means of specific influence upon the human psyche, which originated in the 1950s in the US, are conducted. Since the 1970s, research programs have been conducted in the best universities around the world: USA, Germany, Austria, France, Italy, Japan, Israel, China and others. In the US in 1993, a prestige committee of American Society of Physics published their research results. In it, they concluded that such weapons systems (Psychological Weapon System) could be used effectively for solving a wide variety of military issues. The systems can be used for creation of new means and methods of conducting a war and for creation of a new type of strategic weapons (informational weapons in an informational war).³ ...adoptions of the special federal law "Informational-psychological safety."

Lopatin then defines Informational-psychological safety "as the state of defense of the human psyche from destructive informational influences (intrusion of destructive information into the conscience and/or subconscious of a human, causing incomplete comprehension of reality by the human).⁴" The 4 citation is "Lopatin V.N. Legislative

problems of providing informational-psychological safety for individuals/ Stenography of the Round Table in the Council of the Federation of Russia about the informational-psychological safety of individual. 1/27/95.

Lopatin lists "Potential sources of threats in this area", including "generators of physical fields and radiation;" He lists basic threats of informational-psychological safety including "restricting the freedom of human will on the imperceptible level, artificial engrafting a syndrome of dependence upon a human; development, creation and utilization of special technical and programmed means for destructive influence upon the psyche of a human; manipulation of the public conscience through the utilization of special means of influence;"

Lopatin writes, "Providing informational-psychological safety is the most important goal of the state and therefore guarantees of human protection from the destructive informational influences should be established. The state has to guarantee:

-imperceptible informational influence upon the human psyche (including hypnotism) cannot be carried out without the person being informed, except in instances prescribed by the law;

...-The government of the Russian Federation will inform the citizens, agencies of power, organizations, and local self-governments about the possibility of using destructive imperceptible informational influence, ... It should also notify the above mentioned parties about the means taken to neutralize the threats related to informational-psychological safety;

Lopatin then describes the state system necessary to provide informational-psychological safety. "The system needs to include in its structure agencies, strengths, and means to enforce them."

Agency power to provide informational-psychological safety should include:

-leading research, design, and other state organizations which carry out research and development of creation of means and methods of defense from imperceptible informational influence upon the human psyche;

-educational facilities of preparation and continuous training of human resources to provide informational-psychological safety.;

-individuals and organizations authorized by the system of state agencies to carry out separate functions of providing informational-psychological safety.

Lopatin states that registering and monitoring in order to account for potential threat sources, licensing individual and organization actions related to the development, production, and utilization of means and methods of imperceptible informational influence.

Lopatin concludes this section with the following. "If psycho-ecological expertise results in a destructive influence upon the human psyche and that leads to inadequate comprehension of reality, then that individual should receive medical help in accordance with the active laws. Reparation for harm and expenditures of those who suffered from destructive informational influence should be carried out according to law. Special attention to defending the rights and lawful interests of the individual, society, and the state is needed due to the threat of usage of informational weapons (including destructive informational influence) during international informational exchange."

In the next section, Lopatin defines Informational Weapons (iw) as the "means of destruction, manipulation, and theft of mass information, obtaining from it necessary information after overcoming defense systems, limiting or prohibiting access of lawful users to that information, scrambling technical means, making dysfunctional telecommunication networks, computer systems, society's high-tech infrastructure and government capabilities". Lopatin writes that "Additionally, considering its results, iw is comparable to weapons of mass destruction. Means of defeat of informational computer systems and defeat of people (their psyche) in times of peace and war can be classified as iw. ...Ways to defeat (influence) humans and their psyche are distinguished by their goals in a psychological war. Such goals are:

- Distortion of information received by an adversary's political administration, the authorities and the armed forces personal staff and imposing upon them false information which strips them of their ability to correctly understand events or the current situation and make sound decisions;
- Psychological influence upon the population and troops;
- Ideological sabotage and false information;
- Upholding popular public opinion;
- Organization of mass demonstrations under false slogans;
- Propaganda and spreading false information;
- Manipulating and directing individual and collective behavior.

Along with the traditional means (printed and electronic mass media), they are actively developing and testing ways of influencing humans through mass media and through computer networks: means of informational-psychological (psycho-physical) influence (including the parameters of the MC-Ultra (Ultra Mind Control) MC-Delta (Delta Mind Control), remote human behavior alteration, Bluebird, Artichoke)...

In the next section, Lopatin writes Last year, the author came forward with the initiative supported by parliamentary committees of the State Duma. In December 1997 it became the political initiative of the nine states of the Union of Independent States (UIS). The

Interparliamentary Assembly of the UIS addressed in the UN and OSCE (Organization on Security and Cooperation in Europe) the countries of Interparliamentary Union with an offer to add to the agenda of the General Assembly the question of preparation and conclusion of the international convention "preventing informational wars and limiting the exchange of informational weapons, then on protection from it, then from its destruction as it has been earlier with atomic, chemical and bacteriological (biological) weapons in the 20th century."

Lopatin's Main Conclusions

Here are Lopatin's verbatim conclusions to chapter 7.

1. Development of public relations in the sphere of informational safety outstrips the creation of law and their application concerning the protection of individual, societal and state's life interests from external and internal threats from informational sphere.
2. The federal law "Informational-psychological safety" is necessary and additional changes to the current laws, which permit the use of established prohibitions concerning the protection and defense of rights and lawful interests of citizens and society.
3. For effective protection from threats during international informational exchange in an interdependent world, unified efforts of the international society are necessary concerning the unification of international laws and the participation in the international convention "Preventing informational wars and limiting the exchange of informational weapons."

The Book's Conclusion

Here is the conclusion to the book, in its entirety.

Conclusion

"In this analysis, I tried to state objectively and without bias my view of the problems of psychotronic weapons (PSO) and psychotronic wars from the standpoint of Psi-phenomena and Psi-effects, primarily on the brain and human consciousness.

The mental degradation of society in the immediate foreseeable future is a distinct possibility if the state leaders and their administration do not analyze the situation which is taking shape in the world, regarding the ecology of consciousness, and don't make an accordingly constructive conclusions. rather than watching passively for the growth of destructive forces and power of diverse facilities that they use, the government should undertake the essential steps towards the protection of humanity from any possible violence by means of PSW defending the individual intellect of each citizen as the most valuable genetic repository of the nation and state. If it takes these steps openly and is will be available to general international participation in the work and the monitoring , then preventions against the possibility of psychotronic wars will be completely practical.

God willing that Humanity, Earth, and the Cosmos will not come to know and do not experience the psychotronic terror, the horror and the force which destroys Life functions with psychotronic weaponry in a " nonfatal" psychotronic war."

List of 186 citations are worth researching further. Help if you can.

Here is a partial listing of the 186 citations including familiar U.S. literature and many promising leads to research further. Anyone who may find copies of any of the following books and articles, please pass on the information to Cahra.

Literature

1. Demkin S. Suschestvuet li psyykhotronnoye oruzhiye?[Do psychotronic weapons exist?] // Rossiiskiy Vostok. 1994. 1 July
2. Vkladov V. Zombi [Zombie] //Zhishn'. 1991. 6 December
5. "Leptonnoye Oruzhiye" -konets atomnogo veka ["leptonic weapons"- The end of the atomic century] //Rabochaya tribuna. 1990. 19 December
7. Maydurov A. Mozgovoy kontrol' [Brain control]//Golos Vselennoy. 1991, #7
8. Dichev T. Psykhofashizm [Psychofascism] Golos Vselennoy. 1991 # pg 14-15
14. Pvelychev V. Psyykhotronnoye oruzhiye: myph ili real'nost'? [Psychotronic weapons: myth or reality?] // Zarubenznoye voennoye obozreniye. 1993, #2. Pgs 17-19.
28. Prilutsky V.V. Analiz problem sozdaniya psyykhotronnogo oruzhiya i sposobov ego primeneniya. [Analysis of problems of creation of psychotronic weapons and ways to utilize it] m. (In print)
29. Targ R., Kharari K. Psyykhicheskaya gonka [Psychological Race]. New York. 1984
33. Pukhtov G. E., Targ R. Pertseptivniy canal peredachi informatsiyi na dal'nii rasstoyaniya. [Perception channel of long distance information transmission]. TIIEP. 64 (3). 1976.
42. Bekhtereva N.P Yest' li Zazerkal `Ye? [Does wonderland exist?//terminator. 1994 #2-3 #1-3 Editor comment: academician Natali (Natalija Petrovna) Bekhtereva (Behtereva) She is Chief of "Center of Brain (Research)" of Rus Acad Sci and Ministry of Healthcare. She is granddaughter of famous physiologist Bekhterev...
46. L.R. Hubbard. Dianetika. Sovremennaya nauka dushev'nogo vyzhivaniya [ianoeitics. Contemporary Science of Spiritual survival.] M. New Era. 1995
51. R. Penrose. The Emperor's [Emperor's] New Mind: Concerning Computers, Mind and

Laws of Physics: Oxford University Press/Oxford/1989

57. Astakhov. K. Psykhotronnoye oruzhiye [Psychotronic Weapons]//Moskovskiye Vedomosti. 1990, noyabr'-dekabr' [november-december]

60. Kazhinsky B.B. Biologicheskaya radiosvyaz'. [Biological radio contact]. Kiev. 1962

70. Bekhtereva N.P. Mozgovye kody psikhicheskikh prozessov. [Brain codes of mental processes]. Saint Petersburg. 1977.

71. Kholodov y. Dialog s magnitnym polem [Dialog with the magnetic field]. //Sotsial'naya Industriya. 1986.

100. E. Shredinger. Chto takoe zhisn'? [What is life] M. Atomizdat. 1972.

86. R. Feinman KED. Strannaya teoriya sveta i veschestva [Strange theory of light and matter]. M. Nauka. 1983

109. Gurvich A.A. Problema mitogeneticheskogo izlucheniya kak aspekt moleculyarnoy biologii [Problem of mitogenetic radiation as an aspect of molecular biology]. M. Meditsina. 1968

113. Pavlova L.P. Systemniy podkhod v elektronentsefalopgraphicheskoy issledovaniy biotelesvyasi v fiziologicheskoy shkole. [Systematic approach for electroencephalographical research of biotelecommunication in the school of physiology].

126. Pavlov I.P. Dvadsatiletny opyt ob'ektivnogo izucheniya vysshey nervnoy deyatel'nosti. [20 year experience of objective study of higher nervous activity]. M. Medgyz. 1951.

Short Comments

Translation excerpts from second book "Psychotronic War, From Myths to Facts" by Igor Vinokurov and Georgij Gurtovoj", Moscow 1993, Translated by Mojmir Babacek

One highlight is the section on Emilia Cherkova, who is mentioned in a Stolitza article below. Ms. Cherkova was a Zelenograd deputy and has filed complaints to the government of Russia on behalf of Russian psychotronic victims and became a target herself. In addition, the Fetzer Foundation of Kalamazoo, Michigan sponsored a Russian/ U.S. conference on bio-energetics and the Gurtovi book featured the 1989 Fetzer Foundation resolution signed by several scientists stating that they would not use their scientific knowledge to create weapons. See copy of letter from Vinokurov book. Cahra purchased a third book, by V.D. Tsygankov entitled, "Neurocomputers and It's Applications, 1993. This book is in the process of being translated.

There is so much research that could be done. This book references other books, newspaper articles and government documents. A letter with the Fetzer Foundation letterhead which

was reproduced in the book, is reliable information. Fetzer Foundation has a website and an electromagnetic group which includes a Stanford professor. The Fetzer librarian was generous with information and sent a VCR tape of the 1989 conference featuring the Russian scientists Vlaiil Kaznacheev, mentioned in the letter above.

Emilia Cherkova describes her experience with psychotronic attack, (not translated yet). She is a reliable public figure and source of Russian mind control experiment victims and her human rights work is worth pursuing. Cherkova describes the torture of victims "right in their house" She stated, "the arsenal of secretly perfected KGB weapon is unbelievable...It is using the latest discoveries of physics, electronics, biology, etc...."

The Russian victims sound strikingly similar to the American victims in their descriptions. This example from the book was published in the newspaper Zlenogradskaya Gazeta. She was published in the newspaper Stolitza below and therefore it would be worth contacting her in order to exchange information and form an international movement.

Here is the partial translation by Mojmir Babacek.

Psychotronic War
From Myths to Facts

Igor Vinokurov
Georgij Gurtovoj

Society for the research of secrets and mysteries of the Earth
,Mysteries"
Moscow 1993

This book on psychotronic war, presenting a lot of factual and historical materials, the first one published in Russia, considers possible military use of parapsychological or psi-phenomens.

The book is destined to the widest public of readers.

3

Is telepathical terrorism feasible? Did Hitler own the ,magic" weapon? Does Saddam Hussein own it? What are psychotronic generators? Are not they used to irradiate us in our appartments? What was fearing general Kobets when the ,White House" was in danger of being attacked by special troops?

Those and many other unusual questions are considered on the pages of the presented book. Its authors are for years professionally engaged in the work in the area of parapsychology, psychotronics, bioenergoinformatics. They show conclusively how eternal, but untold effort for inhuman and especially military use of extrasensory, psychokinetic and other unusual human abilities gradually turns into everyday reality subjected to

scientific research.

In the opinion of the authors, the psychotronic war, if it ever takes place, may prove to be the most cruel experience of mankind in all of its history. But this is - only their professionally founded view of the future. So far we do not face such a danger - the psychotronic weapon is still under development.

The book „Psychotronic War" - is, in some way, the call on all those who are engaged in psychotronic research to never and under no circumstances use the knowledge they have achieved to the detriment of Man and mankind.

4

Taking into account a destructive experience in using atomic energy for military and political purposes and in order to prevent harmful consequences of uncontrolled use of these abilities, instruments or equipment created from its base, we address our appeal to the scientists, general public of the world, governments, and private organizations dealing with bio-energetics and exceptional human mental abilities. We declare it to be inadvisable to use these energies of man in any possible cases directed against humankind and we voluntarily undertake an agreement to never use, under any conditions, such weaponry and to sign an international agreement concerning this end.

From the Resolution of participants of international colloquium „New Frontiers in Experimental medicine and Energy Fields"

The John E. Tetzner Foundation
Kalamazoo, Michigan, USA
April 13, 1989

5

EXPERIMENT IN SARATOVO
(Instead of introduction)

A wave of monstrous heat struck all of his body and firmly squeezed him. He had the feeling that his hair is in flames. „War, bomb!" the first idea that came across his mind was as a matter of fact very close to the right one (as became clear much later). In March 1983, in Saratovo, the first experiment was carried out with the noted psychotronic weapon. But he was not aware of it. He looked around at the unbroken walls, ceiling, wall papers - through the waves of plasma licking his body. - „But where are the flames? Is it a laser? Radiation? Microwaves? What is it?" - He did not panic for few moments, he had not yet realized that the pain in the burning skin, all of his body and under his hair on the head makes him faint.

We will contravene the rules and will not place this strange story in paranthesis. And it should be done. But we wished to hit the reader in the flesh, in the same way we were hit

some time ago: and more than that this story has been already expressed. Its hero, it is B. E. Uzunov, the author of the book „Magicians, Women Magicians“ published in 1991 in Obninsk (publishing house „Irina-Tch“) - impressively and in an unusual, artful, form - it presents the experiences of a man unwittingly falling victim to the effects of psychotronic weapon, so far unknown to majority of the people, but however already highly advanced. The weapon seems to be capable, secretly, imperceptibly, work on his psyche, mind, behavior, desires, wishes, interferes with his most intimate „self“, in the most intimate spheres of his psychic life.

So who is it this B. E. Uzunov - the author of the book „Magicians, Women Magicians“? First of all we would never find out if it had not been for M. M. Bogatchikhin, thanks to whom the book got published. Let us see what Mai Mikhailovitch tells about its author:

Boris Ienverovitch Uzunov graduated from Saratovo University. His, too a degree unstandardized, psyche made it impossible for him to stay on serious job and preserve his family life. Some time ago he sent me a manuscript for editing and publication and disappeared. I found the material interesting, even serious and that is why the effort was taken to publish it.. It seems Boris will receive his author's fee.

Those words were written on June 27, 1990. Since this time Boris Ienverovitch has not appeared.

This is followed by excerpts from the book by Uzunov. His experience is certainly well known to the U.S. mind control victims.

The comments of the authors of the present book are those:

(page 9)

..what B.E. Uzunov describes we can refer realistically rather to some future than present days (if we leave out purely clinical motives - they were, are and will be every time). But the fact that the work toward the construction of psychotronic weapon is under way, with allways growing intensity, can not be denied any more in any way.

This is absolutely no myth, no fruit of somebody's ill imagination and certainly not an invention of journalists. This is a reality around which, this is true, is heaped quite a lot of myths, prefabrications and mistakes. We too. made effort to understand and make sense of this reality.

Now until page 16 follows analysis of parapsychological phenomenons

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Until now we have spoken about the first stage of the realization of the idea of PSI-weapon. In the second stage the methods were developed to strenghten the existing PSI-abilities using different pharmacological, psycho-technical and even technical means. And now we

proceed to the third stage of the works toward the construction of principally new generation of psychotronic weapon, based in technical - with the use of apparatus or devices - modelling of those "incomprehensible" biophysical phenomenons, which lay in the fundament of the unusual abilities demonstrated by certain people. The third stage was connected with the construction of the so called psychotronic generators. The name of those generators was inspired by the name of the new area of the scientific research - psychotronics - in the cadres of which were developed the ideas making it possible to define the task of the construction of psychotronic generators and theoretical principles of its solution.

The note at the same page : .abroad, with allways growing intensity, the research is being carried out into the development of methods and means of defense against the alleged PSI-effects.

Follows the history which led to creation of the term "psychotronics" - basically there were several conferences on parapsychology - one of them in Prague in 1973 - where the International Association for the Research of Psychotronic Problems" was established and Zdenek Rejda from Czechoslovakia was elected as a chairman. According to Rejda three quarters of the materials presented at this conference were scientific and technical in character, 180 out of 250 participants took part in the section (one out of six) "psychotronics and physics", two thirds of members of the Association were physics and engineers, three quarters of Czechoslovaks interested in psychotronics were engineers, physics, cybernetics and biocybernetics. In parapsychology the majority was formed by psychologists, biologists, physiologists and medics.

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We would like to stress especially the fact that the book "Psychotronic War: from Myths to Reality " is based in personal, years long , experience of the research in the area of bioenergoinformatics and strictly documented (more than 400 sources were used)*. We based our work on materials, in most of the cases completely unknown to the reader or presumably forgotten by him, though most of the resources were published either in our country or abroad.

We especially concentrated on the afterwar period, burdened with the events of the Cold War. It is evident that in those conditions the interest of the waring sides in military aspects of psychotronics was very strong. Describing this interest and the consequences which it bears we made effort to make understand to what ends could lead the psychotronic competition in case of unexpected success of one of the powers in the construction of "magic" weapon.

However the succesfull construction of psychotronic weapon by the totalitarian regime may turn into psychotronic genocide of one's own nation.

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In 1988 a psychologist and psychoterapist from Netherlands, Vim Kramer, in his speech at

the first European conference of Parapsychological Association, said that if the parapsychology wants to survive in the next century it must undergo "perestroika and glasnost". In our opinion this is evidently insufficient. Perestroika and glasnost have already finished their job. What is needed now is openness of the research and freedom of information with respect to those perhaps secretly performed works, the results of which may be guilefully used in psychotronic war. A clear NO must be expressed to all attempts to keep in secret not only the results of such research but as well to the fact that such research is being carried out.

It is necessary to hurry. Since, in the opposite case, in the next century, perhaps it will be difficult to survive not only for parapsychology, but to the whole mankind.

The note of the translator: The text, as it is presented, shows a lot of jugglery around the possible reality of psychotronic weapons. At least to one of the authors, Georgij Gurtovoj, should have, as a pupil of S. IA. Turlygin, very clear idea of how far the research of psychotronic weapons reached the production stage. S. IA. Turlygin carried out experiments with the effects of electromagnetic fields on human psyche already in the thirties.

(Mojmir Babacek)

Cherkina - Zelenogradskaya Gazeta

(Gurtovoi - page 45 - 51)

Lunacy of Senseless Democrats?

"The newspaper Zelenogradskaya Gazeta" appearing in the city of Zelenograd near Moscow , on June 10, 1991, in the section dedicated to discussions, published an interesting material. It is entitled " The Science in the Service of KGB or the Lunacy of Senseless Democrats".

The material is introduced by the following note written by the newspaper staff: "The problem we want to discuss may provoke among readers conflicting reactions. What we are going to discuss is the use of the latest scientific discoveries for political terrorism, the use, by the secret services, of technical means for dealing with alternatively thinking individuals or simply experiments on unwitting citizens. This is the opinion of the authors of publications scarcely appearing in our as well as foreign press, this is the opinion of the authors of letters reaching "Zelenogradskaya Gazeta", who are trying to understand what is happening to them and around them. To closer define the topics we publish two letters which have in common the above introduced subject."

The author of one of the letters, entitled "Underground Genocide", is E. C. Chirkova, the national deputy of the city council of the city of Zelenograd, the member of the Commission

on Human Rights. The authors of the second letter, entitled "Appartment Ecology", are Moscovers O. Lavrova and N. Kroschkina.

"As a member of the Comission on Human Rights of the City Council of Zelenograd, engaged in the research of contactless terrorism - one of the dangerous latent crimes - writes E.S. Chirkova- I want to draw the attention of general public to the continuation of the use, by the KGB, of methods of the Gestapo. But this is no more the 1937. This is much more horrible. The victims are "tortured" secretly right in their house, from behind the walls of neighboring rooms and appartments or neighboring houses by special services of KGB.. The arsenal of secretly perfected KGB weapon is unbelievable. It is using the latest discoveries of physics, electronics, biology etc. I am in touch with the victims from different districts of Moscow, different cities of the Soviet Union.

I have got many declarations - 20 from the citizens of Zelenograd. I will give real examples. I, myself, E. S. Chirkova. after taking part in the study of declarations, fell under the directed "fire" of the sadists, practically deprived of normal life, conditions for the activities of a deputy.

The first one to address us was E.V. Kirilov, the retired candidate of technical sciences. The similar effects and anomalies pertaining to the health of citizens appear practically in all microregions of Zelenograd. "

The authors of the second letter describe the same specific problems of the "apartment ecology", they write "Amongst the methods how to do away with social activists . one is in prevalence - the irradiation in appartments. This is secret method and rather impossible to prove. The sources of irradiation may be situated in the neighboring rooms of appartment houses or in the houses across the street."

There are two more materials refering to this subject.

"One sixth of the World - the Hall Number 6"

(Molodost Sibiri - The Youth of Siberia - , 1991, Number 6) and the Appeal of victims of psychoterrorism to the Parliament of Russia (Golos Vselenoi - The Voice of the Space -, 1991, number 6 and 7).

In the first material it is communicated that few years ago, under the auspices of International Organization for Human Rights, a Committee for Social Defense was established, with the objective to disclose the "persecution of citizens by methods of distant manipulation of the brain by means of ultrasound, microwaves, laser beams and as well computers..extrasensors and telepaths". The representatives of the committee "declare that it is necessary to form the centers for the defense of personality outfitted with the equipment capable to register the effects on human beings from outside, operated by independent personel and that it is necessary to enact legislation to this effect."

The members of the Committee are victims of experiments with those weapons.

In the Appeal by Victims of Psychoterrorism to the Parliament of Russia the necessity is proclaimed "to ban and destroy in Russia all bioenergetic weapons capable to affect at distance the activity of human psyche and reason . immediately stop the psychoterror performed by government organizations and scientific mafia" and "the ban of psychotronic and leptonic weapon at the territory of Russia" and also they demand the legislation "defining the punishment for the use of psychotronic and leptonic weapons at the territory of Russia".

L. Petrov comments in Zelenogradskaya Gazeta the first two letters, saying that if such unlawfull events indeed took effect in Russia, then the only effort the government and its executive branches would make, would consist of the effort to hide their crimes against their defenseless citizens from the nation.

Short Comments

20+ Russian articles corroborate Lopatin and Gurtovoj books

The first article, Jan 11-17, 1993 Defense news article "U.S. Explores Russian Mind Control Technology" is a milestone document for the following reasons.

Mind control is a legitimate term according to Russian and U.S. government experts. Both sides state that the government technology exists and is not sci-fi.

Both Russia and the U.S. state that the technology should be placed under international control.

"Decades of research and investment of untold millions of rubles in the process of psychocorrection has produced the ability to alter behavior on willing and unwilling subjects, the experts say."

The Russian and U.S. sources in this article speak for their governments and are very trustworthy and believable. The government representatives state that mind control technology exists and is an arms control issue. International controls on mind control technology are and will be classified, making the information in this compilation a unique look into classified mind control weapons.

The next series of articles discuss Dr. Igor Smirnov. Newsweek and Moscow News reported on Dr. Smirnov and his consultations with the FBI about using his psychocorrection equipment on David Koresh. Also see ZDF section in this compilation, in which Smirnov is described as "one of the most important Russian psychiatrists".

Moscow News, 3-25-94 reported that Igor Smirnov has 80 scientific publications and 17 discoveries. "a long time ago it was hammered home that psychotronic weapons were being created "in the basements of the CIA." And it was clear that the USSR would not sit idle waiting for a surprise." "...the [Smirnov] lab has been assailed by tough guys wanting its personnel on their pay-roll. Smirnov says no.

The 7-16-94 Moscow News stated, "The search for funding has taken the scientists who have developed an "Americanized" version of the program, to the United States. Smirnov said his firm is in "commercial discussions" with Psychotechnologies Corp., a Richmond Virginia-based firm."

The 1992 Defense Electronics article corroborated the series of Smirnov articles and further stated, "There was a strong interest among the intelligence agencies because they had been tracking Smirnov for years ...and because we know there is evidence the Soviet Army's Special Forces used the technology during the conflict in Afghanistan." " ...Officials from the Central Intelligence Agency, Defense Intelligence Agency and the Advanced Research Projects Agency were also present,... The memo went on to note that meeting attendees were also interested in whether `psycho-correction detection, decoding and counter-measures programs should be undertaken by the U.S."

This information originates from the intelligence community and it can be concluded that mind control technology has been explored at least as long as Smirnov's work was being monitored.

The next article on Igor Smirnov that reveals how his work on mind control was classified. The FBI consulted with Dr. Smirnov and private U.S. companies are investing in his technology. The FBI brought him to the U.S. and only turned down the offer to use his technology on Koresh because Smirnov could only guarantee a 70% certainty that it would work on Koresh. Therefore, Dr. Smirnov's information is very believable.

Moscow News 3-25-94. Medics, who dabbled in psychodiagnostics and psychocorrection for purely scientific interest, became objects of attention by the defense industry and the security service. They were not apprehended, but their steps were closely followed. The laboratory, [Smirnov's laboratory of Psychocorrection at the Moscow Medical Academy] its personnel (out of the same scientific interest the physicians came to need physicists and programmers) and all of its projects were classified and publications banned."

The U.S. scientific community would have to have a similar classified system.

The July 16, 1994 Moscow Times article stated, "Smirnov declined to talk about the early days, although he said that the state program was a large one and that the scientists had all the resources they needed. ...but the days of generous state funding for such projects are over. ...The search for funding has taken the scientists who have developed an "Americanized" version of the program to the United States."

Moscow Times, 7-16-94 described the capabilities of Dr. Smirnov's technology.

"Psychiatrists at the Moscow Medical Academy's Department of Psycho-Correction believe they have the answer. By using a system of computerized psychoanalysis that relies on subliminal stimuli, the psychiatrists say they can understand a person's subconscious and even change a person's personality. ...the method works roughly like this: Electrodes that register the electrical activity of the brain are put on a patient's head. The patient is then given aural and visual stimuli-words flashed quickly on a screen or voices manipulated into

a code that sounds like white noise- that can only be understood on a subconscious level. A computer program then coordinates the reactions of the brain with the specific stimuli and assembles the data into a graph that can be analyzed to determine a patient's subconscious attitudes to different concepts. Smirnov calls it a kind of "truth detector." ..."Our machine reveals hidden information that sometimes is not realized by the person himself." In the next stage, the patient listens repeatedly to a tape of specific messages that have also been coded and will be understood subconsciously."

The 1985 CNN video featuring Dr. Rauscher and Dr. Bise demonstrated "technology from Russian literature"

in which visual disturbances were caused by small electromagnetic signals to the brain of the reporter, Chuck DeCaro, (See International Campaign paper on Cahra website) The unclassified technology describes microwave hearing, visual hallucinations, sending subliminal messages to the subconscious, causing health effects from Radio Frequency Sickness, causing nausea, heating of the skin, etc. Not surprisingly U.S. and Russian victims are experiencing symptoms which reflect much more sophisticated and classified mind control technology. Several independent facts from several different sources over several years indicate that mind control technology is more classified than the Manhattan Project.

Top Kremlin officials and Russian journalists confirm the use of Russian mind control weapons.

The next two articles on General Georgy Gorgyevich Rogozin are worth exploring and further research is needed.

The 1995 Washington Times and the 1995 European newspaper reported that Gen. Rogozin works in the Kremlin and that there are numerous reports of his surveillance techniques on them. Gen. Rogozin's background describes his KGB work from 1989-1991 as chief scientist dealing with security problems. He pursued a program which included mind-reading from a distance and control of the subconscious by telepathy. "Ludmila Pikhova, an experienced presidential aide and speech writer who is known for her iron strength of character and calm temperament, turned on Rogozin during a recent story Kremlin meeting, dragging him outside a conference room and screaming: "Don't you try to control my subconscious ever again." Sergei Parkhomenko, the Russian journalist for Sevodnya newspaper has put together a dossier of the strange goings-on, "... everybody I talk to at the Kremlin confirms the nightmare. ... Members of the Russian Parliament question what kind of influence is being wielded by this former KGB officer with his projects and what proportion of state funds are being squandered on black magic. ...A highly placed officer of the electronic surveillance service FAPSI warned: "It cannot be permitted that parquet (desk-bound) generals from the Kremlin guard are allowed to usurp power in this country...."

Emilia Cherkova and Psychotronic Victims Groups

Next are three articles on Emilia Cherkova and her human rights work to help victims of psychotronic experiments. As in the above articles, the references to scientists and top public

officials discussing mind control and the resolution in the CSCE, i.e. more government documents, is substantial evidence. Here are the highlights from the articles.

Delovoi Mir, 2-15-92 Press reports that Ruslan Khasbulatov, Speaker of the Russian parliament, had to move from his flat, one possibility listed was the high level electromagnetic radiation felt in his flat. During the August coup General Kobets warned publicly that psychotropic generators might be used against the White House defenders. June 1991, a group of Zelenograd deputies sent an appeal signed by 150 people to President Yeltsin, demanding an investigation into the use of bio-electronic weapons.

Stolitsa, 11-2-92. Victor Sedletsky, a scientist from Kiev stated that "As an expert and a juridical person, I assert that mass production of psychotronic biogenerators and their testing is underway in Kiev."

Academician V. Kaznachejev from Novosibirsk does not rule out military uses or the development of plans for a "psychic war" which, in his view, is more dangerous than any other kind of warfare. The military may use ESP to paralyze the will of other people, "turning them into obedient slaves," the scientist writes. Kaznachejev therefore insists on placing this kind of research under international control.

The international seminar on human rights held last year in the framework of the CSCE Conference on the Human Dimension passed a resolution, according to which the health Ministry and the KGB were requested to provide official information on the use of various means of influencing human behavior."

Moscow Times, 7-11-95. Journalist Yury Vorobyovsky has been investigating the top secret program of "psychotronic" brainwashing techniques developed by the KGB and the Ministry for three years.

Emilia Cherkova claims that there are over a million victims. Her group, Ecology and Living Environment has filed damages against the Federal Security Service or FSB. The newspaper reports, "there is strong evidence that some kind of psychotronic warfare program did exist in the Soviet period, and that the technology may be falling into the wrong hands.

Lopatin calls for legislation, which would "bring Russia into line with Bulgaria, the only other country to outlaw such equipment specifically." Lopatin concludes the article, "of course this project is surrounded with a lot of hysteria and conjecture. ...Something that was secret for so many years is the perfect breeding ground for conspiracy theories."

Dr. Yakov Kudakov used to work in a Defense Ministry psychotronic research laboratory and built a machine using powerful electromagnets. Dr. Rudakov claimed that psychotronics were used on Spetsnaz troops in Afghanistan."

Intelligence Agency reports of Russian mind control capabilities, 1976

The next two 1976 U.S. articles discuss the DIA, Defense Intelligence Agency report on Russia's deep involvement in researching ways to use microwaves to induce disease and control minds.

Los Angeles Herald Examiner, 11-22-76. "A newly declassified U.S. Defense Intelligence Agency report says-extensive Soviet research into microwaves might lead to methods of causing disoriented human behavior, nerve disorders or even heart attacks. "Soviet scientists are fully aware of the biological effects of low-level microwave radiation which might have offensive weapons application," says the report, based on an analysis of experiments conducted in the Soviet Union and Eastern Europe."

The article discussed the Soviet microwave bombardment of the U.S. Embassy in Moscow. "The [State] department spokesmen insist that medical tests have found no adverse health effects attributable to the microwaves."

The article also discussed microwave hearing. "Sounds and presumably even words which appear to be originating intracranially (within the head) can be induced by signal modulation at very low average power densities," the study said. "The report concluded that Soviet research in this are "has great potential for development into a system for disorienting or disrupting the behavior patterns of military or diplomatic personnel: it could be used equally as well as an interrogation tool."

The Paul Bannister Enquirer article quoted Dr. Zaret [a scientist consulted by the U.S. intelligence agencies for Project Pandora work to find the reasons for the microwave bombardment of the Moscow Embassy] on microwave hearing, "You could drive somebody mad with this." "Research in Russia, according to the report, has established that microwave radiation can induce such effects as "headaches, fatigue, perspiring, dizziness, menstrual disorders, irritability, tension, drowsiness, sleeplessness, depression, forgetfulness and lack of concentration."

The importance of this declassified 1976 DIA document is that it is a US government document discussing Soviet athermal emr research for weapons development. The DIA report was based on Soviet research. It becomes clear that both the Soviets and the U.S. were developing weapons based on the athermal effects of emr. For further details on this DIA report, refer to the Paul Brodeur book, "Zapping of America". Brodeur pointed out that the DIA report failed to mention scientist Allan Frey's work on microwave hearing beginning in the 1960s in the U.S.

Looking at the report over 25 years later, given the 1990s unveiling of the nonlethal emr weapons, it can now be verified that the U.S. did have a very classified emr program going back decades. The U.S. knew about the Russian emr weapons program and also developed an emr arsenal. The nonlethal weapons revealed in the 1990s were capable of causing symptoms which microwaves can induce as stated in the 1976 report.

This 1976 DIA report is also important for documenting that the U.S. State Department is on the record for lying to embassy employees about the finding of "no adverse health effects attributable to microwaves. The U.S. government has lied about scientific facts and risked

the health of the Embassy employees and utilized the National Security Act to do so. The rights of U.S citizens are usurped by the National Security Act. The laws in this regard need to be changed so that the U.S. government is held accountable for illegal government experiments.

A.E Akimov's mind control work, possible cover story?

The next informative article is from Fate Magazine by Paul Stonehill, Feb. 1994. The article discussed the controversial A.E Akimov's mind control work, see Tsygankov's citation of Mr. Akimov above. This excerpt is almost verbatim.

July 4, 1991, a month before the Aug. 1991 coup in the Soviet Union, a document known as "Resolution 58 of the Committee for Science and Technologies of the Former Soviet of the USSR came from the Kremlin. The resolution condemned the "depraved practice" of financing pseudoscientific research with State funds. Particularly, it was the research into the so-called spinor torsionnic or microleptonnic fields. The research was tied to the creation of an unusual organization in the Soviet State Committee for Science and Technologies. It became known as the Center for Non-traditional Technologies (CNT); its former director was Mr. A.E. Akimov. The research work had been going on for over 30 years. The research was based on assertions that there had been an unprecedented discovery in the science of physics. It had to do with a new class of physical fields and particles, and the influence exerted by such fields upon biological objects. The resolution stated that the Soviet science officialdom knew nothing of such discoveries, either through open publications, or closed channels. Regardless of the quasi-scientific terminology used in such reports, the information was unsubstantiated, illogical, and scientifically unfounded. The CNT itself was created without the necessary expertise.

Later, the research undertaken was legitimized by support given it by the State Committee. Because of such support, the USSR Ministry of Defense and other state agencies had enough grounds to create a special research center, VENT. Akimov became its general director. Millions of rubles had been spent as the projects of VENT received state funding. Akimov states that just the USSR Ministry of Defense had spent 23 million rubles, an impressive amount. The resolution states that the investigative committee took the conclusions of the Department of General Physics and Astronomy of the Academy of Sciences, USSR, under consideration. These conclusions qualified the research work in the areas of spinor and microleptonnic fields and their applications, as a recurrence of anti-scientific activity. One month later, the Soviet Union as shaken to its foundations and began to fall apart.

Yet the Sept 9, 1991 Komosomolskaya Pravda published an article by Mr. Volkov, and revealed what it was that the CNT had actually researched. His source was a report from the CNT "Main Directions of Research" The CNT was involved in study of remote medical and biological influences on the armed forces and people exposed to torsionnic radiation; remote influence on the armed forces and people from the same radiation"

Further information on A.E. Akimov is needed in order to draw any firm conclusions. At the least, Dr. Akimov was able to obtain very impressive state funding for mind control

research and is cited by V.D. Tsygankov in the book, "Psychotronic War and the Security of Russia". VENT is mentioned in the 11-2-92 Stolita article, "The firm conducting most of the research and development in this field [mind control] is the Vent" technical center [previously called the Center for Non-traditional Technologies at the USSR Committee for Science and Technology]. As much as 500 million rubles was allocated for its project." This wording is the same as the Fate Magazine article on Resolution 58.

One side says that mind control technology was being developed at VENT by Akimov, as the general director. The government Resolution states that at least some of the research conducted there was pseudo-science. And the Internet article quoted the findings of the Commission at the Russian Academy of Sciences and stated that A.E. Akimov's science was unreliable. Both sides say that an large amount of money was spent. The controversy may be part of a mind control cover story. The Tsygankov scientific information in the Lopatin book needs to be evaluated further and contacting Tsygankov would be beneficial. There could be some truth to the VENT Akimov mind control research with the government trying to discredit the work and cover it up. Maybe the torsion field fraud is a front for mind control programs, just like the athermal/ thermal controversy was for emr weapons. Maybe this allows the scientists to continue their work and for the Russian government to discredit them, so that the extent of the mind control research will be kept out of the public eye.

Scientific summary of emr weapons corroborates 50 years of evidence

The final article is "Electromagnetic -Effect Weapons: The Technology and the Strategic Implications", 1988. This article cites a "recent" book, no title written "under the auspices of Znanyia, a cadre organization headed by top Soviet military scientist N.D. Basov. The book discussed Delgado's magnetic field experiments. The article mentions the history of emr research in Russia and names of scientists such as Alexander Gurvich and the very famous V.I. Vernadsky whom Gurvich followed. Vernadsky's famous ideas are mentioned in the Lopatin book and from this information, the unclassified development of emr and classified Russian development of emr weapons can be traced. Here is just one excerpt on the scientist A. Gurvich who is also cited by the Lopatin book.

"Another member of the Gurvich school, Alma Ata biophysicist Inyushin, wrote an article in the Red Army paper Krasnayz Zvezda in 1984 declaring that breakthroughs of "revolutionary significance" were being made in the optical biophysics field. Since then, Inyushin's name completely dropped out of Soviet scientific literature, indicating that he is now working in a top secret program. Indeed almost the entirety of the huge Soviet effort in biophysics of the Gurvich-Vernadsky variety has "gone underground" since 1983-84."

Overall conclusions

1. The value of the Russian information to U.S. victims is in its power to argue convincingly that the U.S. would have to be developing mind control weapons also. The Russian evidence of mind control weapons is substantial in quality and quantity. Each independent source in the 20+ article verifies the other. Although there is a definite limit to the Russian mind control technology discussed and the articles all state basically the same thing, it is

revealing. There is nothing comparable in the U.S, nothing even close to this Russian body of evidence. The break up of the Soviet Union has been a unique opportunity to gather declassified evidence of a very large, very black mind control program. As the facts above show, the U.S. was aware of this program and no doubt has a comparable classified mind control program of its own.

2. Credible, independent sources are stating that Russian mind control weapons exist, are being illegally used and laws are needed to protect Russian citizens.

Numerous public officials, including scientists, journalists and lawyers stated that mind control technology exists and needs to be controlled. Emilia Cherkova was discussed in the Gurtovoj book and three Russian newspapers.

Dr. Kaaznacheev, who was mentioned in the Gurtovoj book in the Fetzer Foundation letter and Emilia Cherkova are saying that mind control weapons exist and are in the hands of the military and government.

The scientist from Kiev, Sedletsky and Cherkova say there are experiments on Russian citizens.

Lopatin acknowledges the existence of mind control technology and even states that it was "secret for so many years". He dismisses the paranoid and conspiracy label on the allegations and instead takes mind control weapons very seriously, calling for legislation to ban their illegal use.

Dr. Kudakov built the equipment and states that similar equipment was used in Afghanistan, as does the Defense Electronics article above. The Russian journalist Vorobyovsky has studied this story for three years. A complaint was filed with the CSCE.

3. U.S. victims can use this very powerful information as a group and approach Congress, human rights groups The Russian evidence validates the claims made by victims of U.S. government mind control experiments. U.S. and Russian victims can now combine their claims which date back to the 1950s and make a strong case.

Here are a few of the articles in full length.

Copyright 1995 Independent Press
The Moscow Times
July 11, 1995
SECTION: No. 750
LENGTH: 1134 words

HEADLINE: Report: Soviets Used Top-Secret ' Psychotronic' Weapons

BYLINE: By Owen Matthews

BODY:

There may be a scientific explanation for the rigid-faced inflexibility of Soviet-era border guards and soldiers, after all. Reports have emerged of a top secret program of "psychotronic" brainwashing techniques developed by the KGB and the Ministry. The techniques, which include debilitating high frequency radio waves, hypnotic computer-scrambled sounds and mind-bending electromagnetic fields, as well as an ultrasound gun capable of killing a cat at fifty meters, were originally developed for medical purposes and adapted into weapons, said journalist Yury Vorobyovsky, who has been investigating the program for three years.

"Ecology and Living Environment," an environmental and civil liberties group which claims a membership of 500 people in Moscow, has set up an association of "Victims of Psychotronic Experimentation," who have filed damages claims against the Federal Security Service, or FSB, and the government. Unfortunately, since by definition many of the victims are psychologically disturbed, there is a problem of verification.

"The Health Ministry and the FSB are doing medical experiments on over a million innocent people," said Ecology and Living Environment President Yemilia Cherkova, an ex-member of Zelenograd's local council. Cherkova wears a lead helmet in bed to protect herself against the rays she says the government beams into her flat. "They put chemicals in the water and use magnets to alter your mind. We are fighting to prove to the authorities that we are not mad." Despite these somewhat far-fetched testimonies, there is strong evidence that some kind of psychotronic warfare program did exist in the Soviet period, and that the technology may be falling into the wrong hands.

Official confirmation was first hinted at in the 1991 Soviet budget, which mentioned that 500 million rubles of the state security budget had been spent on "psychological warfare technology" over an unspecified period of years, said Vorobyovsky. Former state security and interior minister General Viktor Barannikov, sacked for supporting the 1993 coup attempt, warned in an Interior Ministry memorandum earlier that year that he had information that the mafia had got hold of the technology, though little concrete evidence has been found by police.

"We have no evidence that our local mafia has psychotronic weapons; they have enough ordinary ones," said Gennady Melnik of the Moscow Police Department. "They are not the most technologically advanced mafia in the world. It must be cheaper just to use guns." Nevertheless, the State Duma is taking the matter seriously enough to draft a law on "security of the individual," which will include regulation of subliminal advertising and pseudo-religious sects, as well as imposing state controls on all equipment in private hands which can be used as "psychotronic weaponry." The legislation brings Russia into line with Bulgaria, the only other country to outlaw such equipment specifically.

"The law is pre-emptive," said Vladimir Lopatkin, chairman of the drafting committee. "The equipment that now exists in laboratories must be very strictly controlled to prevent it from being sold to the private sector." Vorobyovsky has filmed several laboratories which are using powerful electro-magnets of the sort experts believe can be used as weapons to

supposedly cure private patients of various ailments. One, the Biovolna clinic in Zelenograd, near Moscow, went private after its funding from the Defense Ministry was discontinued. The clinic has "treated" more than 7,000 people, despite not having a Health Ministry license. One of Vorobyovsky's film crew volunteered to be subjected to rays from a similar machine built by Dr. Yakov Rudakov, now a general practitioner who used to work in a Defense Ministry psychotronic research laboratory. He described feeling dizzy, lethargic and confused after exposure to certain frequencies.

The dissident writer Vladimir Voinovich described in his memoirs how the KGB used a cocktail of drugged cigarettes and electromagnets to sap his energy and induce disorientation and confusion.

"One could call this 'Black Science.' Research scientists whose funding has been cut have resorted to putting equipment costing millions of rubles to any use that will pay," said Vorobyovsky.

Another program Vorobyovsky filmed was a sound studio at the Interior Ministry's research laboratory where officers were played bursts of computer-scrambled messages encouraging them to be more decisive and fearless. Dr. Rudakov claimed that this technique was used on Spetsnaz troops in Afghanistan. The danger, says Vorobyovsky, is that similar messages can be transmitted over the telephone, television or radio to influence whoever hears them.

"Of course this project is surrounded with a lot of hysteria and conjecture," said Lopatkin, of the Duma committee. "Something that was secret for so many years is the perfect breeding ground for conspiracy theories."

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Mind-Altering Microwaves
Soviets Studying Invisible Ray
November 22, 1976

**NOTE: SEVERAL INDUSTRIALIZED COUNTRIES ARE DEVELOPING
ELECTROMAGNETIC TECHNOLOGY FOR ANT-PERSONNEL USE.**

Mind-Altering Microwaves
Soviets Studying Invisible Ray

A newly declassified U.S. Defense Intelligence Agency report says extensive Soviet research into microwaves might lead to methods of causing disoriented human behavior, nerve

disorders or even heart attacks. "Soviet scientists are fully aware of the biological effects of the low-level microwave radiation which might have offensive weapons application," say the report, based on an analysis of experiments conducted in the Soviet Union and Eastern Europe.

According to the study, this research work suggests the potential for the development of a number of antipersonnel applications."

Microwave beams are the electronic basis of radar and are widely used for relaying long distance telephone calls. Other common sources of microwaves include television transmitters.

A copy of the study was provided by the agency to the Associated Press in response to a request under the Freedom of Information Act. The Pentagon agency refused to release some portions of the study, saying they remain classified on national security grounds.

The report made no direct mention of the Soviet microwave bombardment of the U.S. Embassy in Moscow where despite strong American protests the radiation continues, though at reduced levels.

Up to now, the view most widely accepted among State Department officials in Washington has been that the Soviets appear to be using the microwave beams to foil sophisticated U.S. electronic intelligence gathering equipment at the embassy.

The State Department issued an administrative source on Nov. 12 declaring Moscow "an unhealthy post," but no link was officially drawn between this move and the radiation situation. Department spokesmen insist that medical tests have found no adverse health effects attributable to the microwaves.

The Soviets have denied beaming any radiation at the embassy, contending that the microwaves are simply part of the normal background radiation found in any major city.

The Pentagon agency's report, distributed within the government last March said that biological effects which could alter anti-personnel uses is the phenomenon known as microwave hearing.

"Sounds and possibly even words which appear to be originating intracranially (within the head) can be induced by signal modulation at very low average power densities," the study said. It added that "combinations of frequencies and other signal characteristics to produce other neurological effects may be feasible in several years."

The report concluded that Soviet research in this area has great potential for development into a system for disorienting or disrupting the behavior patterns of military or diplomatic personnel. It could be used equally as well as an interrogation tool.

...Soviets have also studied various changes in body chemistry and functioning of the brain

resulting from exposure to microwaves and other frequencies of electromagnetic radiation.

One physiological effect which has been demonstrated is heart seizure. It said that this has been accomplished experimentally in frogs by synchronizing the pulses of a microwave signal with the animals heart beat and beaming the radiation at the chest area.

The document added that a frequency probably could be found which would provide sufficient penetration of the chest wall of humans to accomplish the same effect-heart attacks.

The report said that another potential antipersonnel use. ...microwaves could be used to effect the blood-brain barrier, which regulates the exchange of vital substances between brain cells and the circulatory system.

From Delovoi Mir, pp. 1,9 February 15, 1992 "Mind Control"by Ivan Tsarev

"Brainwashing techniques still being used in Russia, claims member of human rights commission."

"Psychological warfare is still being used by state security agents against people in Russia even after the abortive August coup, said Emilia Chirkova, a Deputy of the Zelenograd Soviet and member of the Human Rights Commission. She recalls the scandal surrounding the alleged bugging equipment installed close to Boris Yeltsin's office. KGB agents admitted then that the directional aerial in the equipment was designed for transmission, not for reception. She believes it was part of an attempt to affect the health of the Russian President using high frequency electromagnetic radiation. The Human Rights Committee, Chirkova said, had warned Yeltsin about such a possibility."

"She cited several further instances of the use of similar devices. Microwave equipment had been used in 1989 and 1990 in Vladivostok and Moscow prisons, in a mental hospital in Oryol and in the Serbsky Institute in Moscow [also a mental hospital], she said. during his exile in gorky, Andrei Sakharov noticed the presence of a high tension electromagnetic field in his flat. It was reported recently in the press that Ruslan Khasbulatov, Speaker of the russian parliament, had had to move from his flat to another district of Moscow. High level electromagnetic radiation has been included among the possible causes of the discomfort he felt in his flat. During the August coup General Kobets warned publicly that psychotropic generators might be used against the White House defenders."

Purported victims of psychological warfare have written to the paper. From Voronezh comes this letter: "They controlled my laughter, my thoughts, and caused pain in various parts of my body... It all started in October 1985, after I had openly criticized the first secretary of the City Committee of the Communist Party. Sometimes voices can be heard in the head from the effect of microwave pulse radiation which causes acoustic oscillations in the brain," explained Gennady Shchelkunov, a radio electronics researcher from the Istok Association. Numerous sufferers from this alleged manipulation have set up a public movement."

"In June 1991, a group of Zelenograd deputies sent an appeal signed by 150 people to President Yeltsin, demanding an investigation into the use of bio-electronic weapons. Non-official sources say that a commission charged with investigating possible use of such weapons is being set up at the Russian Government."

In two articles, Jonathan Tennenbaum describes development of Soviet electromagnetic weapons and the physics and biology behind the weapons.

Electromagnetic-Effect Weapons: The Technology and the Strategic Implications. Wiesbaden Federal Republic of Germany Jan. 16, 1988. Executive Intelligence Review. (Executive Intelligence Review Special Report. 317 Pennsylvania Ave. S.E., 2nd Floor. Washington, DC 20003 (202) 544-7010. Pg. 7. Michael Liebig.

..."This Special Report is meant to sketch the gestalt of this newly emerging Soviet threat, the dimensions of which the Western public is most dangerously unaware. There is barely any understanding in the West of the revolutionary transformations in technology and strategy associated with electromagnetic effect weapons."

Tennenbaum, Jonathan.(1988, Feb). Some ABCs of Electromagnetic Anti-Personnel Weapons. Executive Intelligence Review.Executive Intelligence Review Special Report. 317 Pennsylvania Ave. S.E., 2nd Floor. Washington, DC 20003 (202) 544-7010. Pg. 9.

Dr. Jonathan Tennenbaum is on the Board of Directors of Fusions-Energie-Forum in the Federal Republic of Germany, and an editor of its magazine, Fusion.

"Often referred to by the misleading name, "radio-frequency weapons," The most sophisticated new type of anti-personnel weapons now being perfected by the USSR for use by its Spetsnaz and regular forces, uses pulses of electromagnetic energy to disorient, paralyze, and kill human targets. Such electromagnetic pulse (EP) weapons can take a variety of forms, including the following: ...

Electromagnetic pulse anti-personnel weapons have many scientific and technical features in common with the laser weapons under development in the American and Soviet anti-missile defense programs. Both use electromagnetic radiation, propagating at 300,000 kilometers per second, to achieve their destructive effect. Both require compact power sources, generators of electromagnetic radiation (e.g., lasers, magnetrons, gyrotrons, etc.), beam radiator and focusing apparatus (e.g., optics for lasers, wave guides and phased-array antennas for microwave weapons), and computerized control systems In both cases also, the maximum effect of these weapons is obtained by "tuning" or "tailoring" the output to the characteristics of the target.

The chief peculiarity of EP anti-personnel weapons lies in their exploitation of highly non-linear effects of electromagnetic radiation upon living organisms. Typically, these weapons employ complicated pulse shapes and pulse trains, involving several frequencies and modulations which can range over a wide spectrum from extremely low frequencies (ELF) into the hundred gigahertz range. Thus, although state-of-the-art technology permits construction of mobile systems of extremely high output power (up to 10 megawatts

average power, peak pulsed powers of many gigawatts), it is not the high power per se which determines the lethality of the system, but rather its ability to "couple" the output effectively into the target and to exploit non-linear biological action. While high output power may be used to obtain range and breadth of effects and penetration into enclosures and defenses, the minimum lethal "dose" on target will typically be orders of magnitude less than that which would be required to kill by mere heating, in the manner of a microwave oven.

The closest analogy to a sophisticated EP anti-personnel weapon is provided by powerful chemical weapons, such as nerve gases having rapid, fatal effects at extremely low concentration. In the latter case, the effect is mediated by molecules which enter nerve synapses and other critical areas and disrupt normal functions without massive destruction of tissue. The poison acts on the higher levels of organization of living process. Furthermore, it should be understood that molecules themselves are nothing but electromagnetic configurations. That is, the molecules (e.g., of the nerve gas) act via electromagnetic fields, by exchange of electromagnetic energy with other molecules. Hence, it should hardly be surprising to discover that the same effects can be induced by electromagnetic radiation alone-without the presence of the molecules! In principle it suffices to identify the precise geometrical characteristics of the electromagnetic action associated with the given substance, and then just "mimic" the molecular action by a carefully "tailored" signal. Once this principle is understood, biophysical research can define the most appropriate pulse forms for weapon applications, independently of any specific chemical "model." That this is by no means a mere theoretical possibility is proven by a wide variety of experiments on the biological effects of "tailored" electromagnetic radiation, carried out in the West and East over the last 40 years. For obvious reasons, experiments involving lethal effects are mostly classified. To illustrate some of the relevant research areas, we present a couple of examples of well-documented non-lethal effects.

Since the 1950s much scientific attention has been paid, in the East and West, to effects on the brain of 1) psychotropic drugs (LSD, depressants, stimulants, etc.) and 2) electrical stimulation of specific areas of the brain by implanted electrodes. Among other things, experiments showed that minute currents induced by electrical stimulation could evoke profound changes in brain function, similar to those obtained by psychotropic drugs, the latter often at extremely low concentrations. This work reveal some "deep secrets" of the physiological organization of the brain, secrets having potentially far-reaching military implications. Since the early 1970s a number of published experiments have shown that similar, profound neurological effects can be induced without the "substantial" intervention of drugs or electrodes, by electromagnetic fields applied from outside the experimental subject. Typical of these are those of Dr. Jose Delgado and Dr. Ross Adey. Delgado applied a slowly modulated weak magnetic field (several Gauss, pulsed at less than 100 Hz) to the heads of monkeys via external coils. Depending upon the precise modulation frequency used, specific effects were induced. Thus, one frequency caused the animals to fall asleep, and another triggered aggression, each time with very specific neurophysiological effects on specific areas of the brain. Adey and others have obtained similar neurophysiological effects with a modulated, low-power, radio-frequency field, with modulation frequencies in the range of the internal "brain waves" (EEG). Absorbed power levels were very low- on the order of a thousandth of a watt per square centimeter.

Related experiments have shown that internal EEG waves can be entrained and modified, demonstrating the possibility of direct information transfer to the brain via modulated radio-frequency (RF) fields. Thus, below the threshold of lethal effects, a certain potential for subtle psychological manipulation by means of "tailored" electromagnetic signals cannot be excluded.

Lethal effects have been obtained at power levels not very much higher than in behavior modification experiments. Again, it is not so much the net power as the exact form of the applied series of pulses, which makes the difference. One laboratory device, used in brain research, kills experimental animals with a single microwave pulse of 1/6 second duration.

While the neurological effects of modulated RF and microwave radiation have long been a high-priority area for Soviet research, this field has tended to be played down or even suppressed in the West. For example, Delgado's magnetic field experiments have gone nearly unnoticed in the Western scientific literature, but are a featured subject in a recent Russian book, published under the auspices of Znanyia, a cadre organization headed by top Soviet military scientist N.D. Basov.

While we have concentrated here on the brain as a key target of EP weapons, this is by no means the only target. The central nervous system more generally, and vital organs, especially the heart, are all possible targets. Moreover, a very insidious deployment of EP would be to degrade the overall health of persons in a certain area by long-term, low-level irradiation. There is evidence that the latter has already been tried by the Soviets in a number of cases.

Much more could be said about non-linear biological effects exploitable by EP weapons. In this short introduction, however, we want to move on to another key problem of these weapons; how to generate and deliver the destructive action to the target.

This Special Report presents some details on high-power RF and microwave generators, an area of highest priority in Soviet research and development. There are two essential types of devices which can be used in EP weapons; oscillators using beams of electrons or plasmas, and solid-state devices.

Solid state radar, whose development is driven by the needs of military aircraft and missiles, is one of the fastest advancing areas of electronic technology today.

Although solid state devices do not (yet!) reach the very high powers attained by electron beam devices, miniaturization makes it possible to build today complete, highly sophisticated phased-array radars of suitcase-size, with several kilowatts of average output. The principal advantage of this technology is that it permits extremely sophisticated "tailoring" of pulse shape in space and time, in a compact system, with direct coupling to high-speed computers. This is exactly what is needed in order to optimally exploit non-linear biological effects. What is lost in brute power is thus gained in efficiency.

Recent breakthroughs in what is called "high-temperature superconductivity" open up the perspective that both types of EP generation technology--electron beam as well as solid

state--are going to undergo revolutionary improvements in the years immediately ahead. The impact of this revolution cannot even be estimated at this time, but it will certainly mean radical reductions in the size of devices having a given electromagnetic "firepower".

As our discussion of biological effects already indicated, electromagnetic anti-personnel weapons depend essentially on "tuning" the output signal to the target. This goes not only for the frequency and amplitude of the signal, but for its entire space-time "shape." Figure 6, for example, is drawn from thermographs of models of the human body irradiated by RF radiation of the same frequency, but with field geometries. These and other experiments demonstrate, that the areas of maximum absorption of electromagnetic energy inside the body depend on the geometry of the incident wave. By choosing the right geometry, the energy can be focused into any desired area, such as the brain.

A sophisticated EP weapon must thus be able to project a specific geometry of electromagnetic field onto a distant object, over a given terrain and in given surroundings. Without going into technical details of waveguides and various antenna types, we shall briefly present one of the relevant techniques: the principle of the phased array.

A phased-array antenna consists of an assemblage of many individually controlled emitting (or receiving) elements, placed in a fixed geometrical arrangement. The output field of the array is the sum of the waves emitted by the individual elements. By electronically controlling the relative phases of these individual signals, the output field can be given any desired "shape" and direction, limited only by the wavelength used, the number of elements and the size of the array. The huge soviet ABM radar at Krasnoyarsk, for example, contains an 83-meter diameter phased array of thousands of elements. The output can consist of a single, very narrow beam, or hundreds of independently directed beams, all depending on the "phasing" of the elements. This radar can track large numbers of missiles simultaneously, without any mechanical motion of the antenna.

The functioning of phased-array antennae is thus closely related to holography, or three-dimensional photography. In a hologram, a photographic plate records interference patterns, corresponding to the phase relationships of laser light reflected from the object. When the holographic plate is illuminated by a laser, the phase relationships are "reconstituted" and the viewer has the impression of seeing a three dimensional object.

The ensemble of elements of a phased-array antenna takes the place of the holographic plate, but at a much longer wavelength than visible light (centimeters and millimeters instead of fractions of a micrometer). When operated in a receiving mode, the phased array obtains much more information than an ordinary antenna; like the hologram, it measures entire electromagnetic field geometries, not merely a one-dimensional, electromagnetic "signal"

The holographic principle underlying phased-array systems points to a potentiality for creating any desired three-dimensional, electromagnetic field distribution around a target object, from a distance, correcting for reflections, obstacles and other interference. Moreover, the field can be transformed and shifted from one location to another in space within a fraction of a second. Thus, an ideal EP-weapon could attack many individual

targets, simultaneously or in rapid succession. One or more phased arrays would be used in receiving and transmitting modes to "lock on" to selected targets, and determine the necessary geometry of the attack pulses. To fully exploit such potentialities, the weapon would require for its target-acquisition and beam-control systems, sophisticated high speed computers, able to perform complex computations of the "inverse-scattering" type. Miniaturized systems of this sort are well within the reach of 'fifth generation' computer technology. "Hybrid" digital-analog systems would be simpler, smaller, and faster still. There is much overlap in requirements between EP weapons and systems developed for strategic defense(SDI).

For concrete weapons applications, simpler devices will often suffice; trade-offs can be made among range, output power, extent of three dimensional field control, and sophistication of biological effects.

As was the case earlier with nuclear weapons, many people may be tempted to think that EP anti-personnel weapons constitute "absolute weapons" against which no defense is possible. A glance at the history of the SDI, or of military science and technology in general, shows why no such thing ever has or will exist.

An obvious aspect of defense is to detect, locate, and neutralize weapons before they can be used. Antenna structures of EP weapons are resonant structures which can be detected in various ways. Spetsnaz deployment of EP weapons can be countered by intercepting the weapons or weapons components in transport, by appropriate surveillance of the areas around potential targets, and by the whole range of countermeasures which can be taken against the Spetsnaz groups themselves. Of course, the EP weapon declares its existence as soon as it is turned on, and itself becomes vulnerable to rapid counterattack if readiness and appropriate means are at hand.

The famous "Faraday cage" and other forms of electromagnetic shielding can provide some protection against EP weapons, especially if the characteristics of the EP signal are known in advance and countermeasures are devised accordingly. Unfortunately, a sophisticated weapon can "tailor" its pulse to get through nearly any given kind of shielding utilizing non-linear, inverse-scattering techniques and a process known as "self-induced transparency." A Faraday cage under certain conditions can be transformed into an antenna, focusing the signal on the inside and even enhancing the effect for the unfortunate persons inside.

In theory, biological effects can be offset by creating a controlled "electromagnetic environment" around the target, with the effect of "detuning" the target relative to the anticipated signal of the attacking EP weapon - a kind of "immunization." To realize such potentialities will require a major research effort, but one having important spinoffs for biology and medicine.

The application of holographic principles to EP weaponry has profound implications for the future shape of warfare. The deployment of such weapons and the defense against them cannot be understood in terms of "point-to-point trajectory" concepts associated with conventional firearms and artillery. Actually, even in the past, competent military doctrine

has always emphasized the geometries of "fields of fire" generated by overall deployment of mobile weapons over a given area, as opposed to mere "straight-line" action of an individual weapon. the geometrical aspect becomes much more explicit in the era of EP weaponry, in which "firepower counts as the ability to control the electromagnetic field geometry on the field of battle, through coordinated deployment and operation of mobile phased arrays and related devices.

The situation could therefore be summed up as follows: in practice, both the use of EP weapons and defense against them is a tricky, sophisticated business, if the antagonists are at comparable levels of technology, knowledge, and preparation. A surprise attack against an unprepared enemy is simpler and very devastating. In this respect, EP weapons are no exception to the general rules of warfare."

Tennenbaum, Jonathan.(1988). Soviet Work on Electromagnetic Pulse Weapons. Executive Intelligence Review. Pg. 17

The 1987 edition of the U.S. Department of Defense review, Soviet Military Power, contains the following stern warning about the current Soviet mobilization to perfect electromagnetic pulse (EP) weapons: "Recent Soviet developments in the generation of radio-frequency (RF) energy have potential applications for a fundamentally new type of weapon system that would degrade electronics or be used in an anti-personnel mode. The Soviets already have or are working on much of the technology for such a system. In their research the Soviets have generated single pulses with peak power exceeding 1 billion watts and repetitive pulses of over 100 million watts.. No significant technological obstacles stand in the way of a prototype short-range tactical RF weapon."

In this Special Report, we shall document that the U.S.S.R. presently possesses the essential technological base, plus knowledge of advanced biophysics, to realize a wide variety of tactical and strategic electromagnetic anti-personnel weapons. We shall demonstrate this from the Soviets' own technical publications. Fortunately, we are not able to show pictures of EP weapons on parade in Red Square-if we could, it would be too late!

Figure 1 shows, on a map of the U.S.S.R., some of the known centers of Soviet work on the science and technology of EP weapons. For example, advanced high-power microwave generator work is carried out at the Applied Physics Institute in Gor'kiy near Moscow, at several institutes in Tomsk, at the Moscow Lebedev Institute, in Leningrad, Novosibirsk, and other locations. Advanced biophysical research of military importance is going on at the Institute for Biological Physics (G.M. Franck) at Pushchino near Moscow, at the Siberian Division of the Academy of Medical Sciences at Novosibirsk, at several institutes in Alma Ata, in Vladivostok, and at a number of establishments linked to the Soviet manned space program. (There is significant overlap between space medicine and the biophysics of EP weapons effects.) The question marks on the map indicate that only a very small part of the relevant research and development ever finds its way, even obliquely, into available Soviet technical journals. Military secrecy is much stricter and all-encompassing in the East than the West.

An interesting article appeared this year by one V.M. Koldayev in the Soviet journal

Biologicheskiye Nauki dealing with "The Correction of Acute Microwave Exposure by Drugs-Experimental Results." In the article a large number of pharmaceuticals are evaluated for their capability of enhancing the resistance of the human organism to microwave radiation. Both preventive treatment, before exposure, and post-exposure treatment are discussed. Koldayev stresses a point which is key to the Soviet approach to microwave and radio-frequency effects: "Intensive microwave radiation changes the membrane characteristics of cells and ion transport, generates electrical breakdown at the boundaries of phase regions and other effects causing a destruction of living processes. Research in recent years has shown that the 'thermal conception' of microwave effects is inadequate."

Kolayev points to a major stumbling-block of Western biophysical research: the absurd, but stubborn insistence on the part of the Western research "establishment", that electromagnetic radiation could have no other effect on a living organism than to increase its temperature (I.E., in Koldayev's words, the "thermal conception"). As a result of this blind spot, many Western specialists still refuse to accept the existence of precisely those kinds of effects upon which the most lethal Soviet EP weapons depend.

The Soviets presently lead the world in research into a crucial, but not much publicized field called "optical biophysics," sometimes referred in the West as "bioelectromagnetics," which deals with the electromagnetic organization of living processes. Although modern research into this area goes back to Louis Pasteur, the most consistent and sustained efforts were launched in Russia by V.I. Vernadsky (1863-1945), the physicist biologist, geologist, and architect of the Soviet atom bomb project.

Vernadsky's scientific training focused on the works of Pasteur and radioactivity pioneer Pierre Curie, and included visits to the Pasteur Institute and other leading European science institutes. Vernadsky initiated the systematic search for reserves of uranium and other technically crucial minerals throughout the Russian empire, and was a key organizer of the pre-World War I economic mobilization in Russia. As founding director of the State Radium Institute in Leningrad, Vernadsky launched in 1926 a crash program of fundamental research into the "physical geometry" of living processes, which would include a comprehensive study of their interaction with electromagnetic radiation:

"Only a few of the invisible radiation's are known to us at present. We have hardly begun to realize their diversity and the inadequacy of our knowledge of these radiations which surround us and pass through us in the biosphere, and to understand their basic role in the processes going on around us, a role which is difficult to comprehend by those accustomed to other conceptions of the Universe...We are surrounded and penetrated, at all times and all places, by eternally changing, combining and opposing radiation of different wavelengths--from 10 millionths of a millimeter to several kilometers."

Out of Vernadsky's program came the Soviet military slogan: "He who controls the entire electromagnetic spectrum will dominate the world." It was Vernadsky who coined the now-common term "biosphere," emphasizing the fact that the totality of living matter on the Earth forms a coherent process in powerful mutual interaction with the climate and geophysical conditions of the planet. This work was the basis of the concept of "planetary

war" advocated by Marshal Ogarkov, according to which all available scientific knowledge concerning the biosphere is to be mobilized in war in order to crush the enemy. This includes development of means of weather modification, manipulation of the ionosphere and other layers of the atmosphere, large-scale biological warfare, triggering of natural disasters, as well as global electromagnetic warfare.

Vernadsky's efforts provided the scientific atmosphere for the launching of the most powerful current of Soviet biophysical research, that associated with Alexander Gurvich (1874-1954). Gurvich was the first to systematically demonstrate that absorption of minute amounts of "tuned" electromagnetic radiation, down to individual quanta, can decisively influence the course of biological events. This is now known in the Soviet literature as the "informational role of electromagnetic radiation in biological systems."

In connection with this research, Gurvich developed that first "field theory" approach to the geometry of living processes, and discovered the universal ultraviolet light emission of cells called "mitogenetic radiation". He was the first to point to the capability of biological molecules such as proteins and DNA, to absorb energy at long wavelengths and reemit the stored energy at much shorter wavelengths-phenomena which are intensively studied today under the name of "multiphoton processes in non-linear spectroscopy."

Gurvich was thereby a pioneer in the area of advanced research which is decisive for the most devastating forms of electromagnetic anti-personnel weapons.

Gurvich's student G.M. Franck founded the Institute of Biological Physics in Pushchino, which still bears Franck's name, and is today a key center of military-related research on electromagnetic pulse effects on biological systems. Another Gurvich disciple, Prof. Vlail Kaznacheev, heads the Medical Division of the Soviet Academy of Sciences in Novosibirsk, with close ties to the military space establishment. Kaznacheev carried out a decade-long series of experiments on the electromagnetic basis of the pathogenic action of viruses and poisons. Another member of the Gurvich school, Alma Ata biophysicist Inyushin, wrote an article in the Red Army paper Krasnaya Zvezda in 1984, declaring that breakthroughs of "revolutionary significance" were being made in the optical biophysics field. Since then, Inyushin's name completely dropped out of Soviet scientific literature, indicating that he is now working in a top secret program. Indeed, almost the entirety of the huge Soviet effort in biophysics of the Gurvich-Vernadsky variety has "gone underground" since 1983-84.

One indicative area of continued Soviet publications is on the "non-thermal" effects of low-level microwave radiation in the millimeter wavelength band. Since at least the late 1960s, a U.S.S.R.-wide network of more than 21 institutes has conducted research into this field, led by Prof. N.D. Deyatkov of the Soviet Academy of Sciences. This research is continuing to this day. Late last year, for example, the Soviet microwave technology journal Radioelektronika published two long papers on biological effects, written by known members of the Deyatkov group. These papers discussed the mechanisms by which millimeter radiation interacts with internal electroacoustical oscillations, notably in cell membranes, to generate the resonant, frequency-dependent effects documented in a large number of experiments.

The significance of these sorts of publications is not that they give a direct "peek through the window" at weapons-development; rather, they indicate an orientation of "civilian" basic research programs to the type of phenomena of relevance to weapons applications. (It is unlikely that electromagnetic anti-personnel weapons would work with pure millimeter waves. Millimeter-band "harmonics" would be included in complex pulse forms, however.)

Unfortunately, Devyatkov's area of research was all but closed down in the U.S., following the conclusion of "biological warfare accords" between the U.S. and the U.S.S.R. in the early 1970s-another concession from which the Soviets have extracted great strategic profit.

The capability to generate controlled high-power pulses of electromagnetic energy has long been a top priority area for Soviet applied physics research and development. It even has its own name in the Soviet literature, for which no direct equivalent term exists in the West: *sil'notochnaya elektronika*. It includes things like explosive cathodes and other technology for high-current relativistic particle beams, energy storage and pulse compression technology, non-linear plasma devices such as the plasma focus, "explosive" MHD power generation, EMP simulators, etc.

Significant parts of this R&D are being carried out in "purely peaceful" programs, such as controlled fusion energy and accelerators for elementary particle research. So, Soviet development of gyrotron devices for ultra-high-power microwave generation has the "official purpose of providing means for heating plasmas in experimental fusion reactors. And, in fact, gyrotrons can do exactly that. But, the technical advances thus made-or acquired from the West-under "civilian" fusion research programs with international cooperation, can immediately be transferred to secret military programs. Thus, Rudakov's huge "Angara V" electron beam pulse generator, allegedly constructed for fusion research, was obviously motivated by some other reasons than just the publicized ones.

Soviet development of high-power magnetohydrodynamic (MHD) generators is another interesting example. For many years, Vice-president of the U.S.S.R. Academy of Sciences E.P. Velikhov has directed a large program to perfect this technology for direct conversion of chemical combustion energy into electricity, for a variety of "peaceful" applications.

These are figures from 1977, ten years ago. Given intensive Soviet work in this field in the intervening period, we must assume that they can obtain the same or better output with much smaller devices. These and the famous "Pavlovskii" pulse generators play an important role in the Soviet's own version of the SDI, as power sources for beam weapons. They provide enough power for very devastating types of mobile anti-personnel weapons.

The heart of an EP anti-personnel weapon is the system for generating and emitting the electromagnetic radiation. Here the Soviets can draw from their vast experience with all types of military radars, including the large phased-array installations at Krasnoyarsk, Pechora and elsewhere, as well as advanced research into relativistic electron beam devices for ultra-high-power EP generation. The article by Robert Gallagher documents how the Soviets have led the world in development of pulsed gyrotrons and related EP devices covering a wide frequency range. This new hardware is being "spun off" in great quantity and variety as a product of the *sil'notochnaya elektronika* thrust. Nor have the

potentialities of solid-state been neglected. While the Soviets may lag in some of the most exotic microchip technology, they are quite familiar with solid state radar systems applicable (among other things) to miniaturized EP weapons. "Briefcase size" EP weapons for "close-in" Spetsnaz assassinations and related missions, are well within Soviet technological capability.

Recently, it was announced that the U.S.S.R. intends to use its new, heavy space-lift system Energiya, with five times the payload of the American space shuttle, to station some very large structures in orbit. Besides a larger version of their present space station, one of the plans is for a huge "solar power station" which would relay its energy to Earth via a high-power laser or a beam of microwaves. (A similar project was considered by the U.S. NASA, but rejected because of the of inadvertently irradiating populated areas.) With a proposed several gigawatts of continuous power at its disposal, such a station could carry out weather modification as well as electromagnetic warfare on a large scale. Of course, compact nuclear reactors (which the Soviets are already using in radar reconnaissance satellites), especially in a pulsed mode, and MHD devices, could be much better energy sources for a military system. given a sufficient supply of energy, a large, phased-array EP system in orbit could attack entire cities, with loss of life comparable to nuclear weapons, but without collateral damage.

However, it is not necessary to station EP weapons in space in order to have firepower on a "strategic" scale. The Soviets have been early masters at combining their knowledge of geophysics and non-linear wave propagation to develop novel types of over-the-horizon radar. Using combinations of phased-array installations with a very large effective aperture, it is theoretically possible to project lethal electromagnetic signals over thousands of kilometers. At shorter ranges, incoming missiles and aircraft might be destroyed using EMP-like effects. Soviet activities should be closely watched in these respects, especially in view of the potential "dual purpose" exploitation of certain facilities.

(The following list is not intended to be comprehensive, but merely exemplifies extensive Soviet scientific efforts in fields relevant to EP weaponry. The interested reader will find further literature through the cited publications.)"

All-Union Conference on High-Current Electronics, Novosibirsk 1986 (conference proceedings, in Russian).

O.V. Betsky, A.V. Putvinsky, "Biological Effects of Millimeter Waves of Low Intensity" (Russian) and M.V. Golant, T.B. Rebrovok, "The Analogy between Certain Systems of Living Organism and Technical UHF between Certain Systems of Living Organisms and Technical UHF Devices," (Russian in Radioelektronika 29, Nr.10, 1986.

G.I. Budker, "The Gyrocon: An Efficient Relativistic High-Power VHF generator," Particle Accelerators 10, 1979.

N.D. Deyatkov, E.A. Gel'vich, M.B. Golant, "Radiophysical Aspects of the Use in Medicine of Energetic and Informational Action of Electromagnetic Radiation," (Russian), Seria Elektronika SVC (UHF Electronics), Nr. 9(333), 1981.

A.G. Gurvich, Mitogenetic Analysis of the Excitation of the Nervous System, Amsterdam 1937; "Une theorie du champ biologique," Bibliotheca Biotheoretica, Ser. D, II. See also Michael Lipkind, "Gurwitschs Theorie vom Biologischem Feld," in the German-language magazine Fusion, 8.Jg., 1987, Nr.4.

V.M. Inyushin, D.R. Chekurov, Laser Biostimulation and Bioplasma, (Russian), Alma Ata 1975.

S. Kassel, "Soviet Development of Gyrotrons," RAND Corp. Report R-3377-ARPA, May 1986.

V.P.Kaznacheev, L.P. Mikhailova, Ultraweak Radiation in Intercellular Interactions, (Russian) U.S.S.R. Academy of Sciences, Novosibirsk 1981.

V.M. Koldayev, "Pharmacological Correction of Acute Microwave Effects," (Russian) Biologicheskiye Nauki, 1, 1987.

V.I. Vernadsky, The Biosphere, 1926 (Russian and French editions).

Editor's note. Here are more substantiating articles in support of Tennenbaum's information. It is in list format.

Liebig, Michael.(1988).Radio-Frequency Weapons: Strategic Context and Implications. Executive Intelligence Review. Pg. 42.

Michael Liebig is Managing Director of EIR nachrichtenagentur GmbH in Wiesbaden, Federal Republic of Germany. The following paper was presented at conferences in the Federal Republic of Germany, France, and Italy.

"...It is obvious that the whole complex of RF technologies, precisely because of the vast potential for military application, is highly classified. Detailed information on RF systems is extremely scant in the public domain. Yet we do know the scientific-technological basics of RF systems and their interaction with biological and other soft targets. While operational RF weapon systems may not yet exist as such, it can be stated categorically, that not just research, but development work towards operational RF weapons, is underway in the East and West, especially in the East.

Pg. 40. "Radio-frequency weapons" is a misleading name, carried over from a pragmatic understanding of earlier stages of electronic warfare. For example, it was thought, mistakenly, that the use of microwaves as anti-personnel weapons depended upon the heating effects of such waves upon targeted material. Today, it has been shown that properly tuned electromagnetic pulses have mortal effects at levels of energy-deposit as low as two or three orders of magnitude below those required to kill cell-tissue by means of induced thermal effects. This comparison illustrates the importance of the term "non-linear effects."

The most important of the near-term applications of non-linear electromagnetic effects are in the domain of optical biophysics, either as strategic or tactical anti-personnel weapons, or to produce global effects within the biosphere surrounding those personnel. However, there is also the prospect of disintegrating non-organic material, as well as the disruption of apparatus, through the same class of technologies. In applying the notion of technological attrition to all such electromagnetic-pulse weapons as a general class, it is the principles causing all of the indicated range of effects which must be considered as a unit for purposes of shaping strategic doctrine.

All of the weaponry based upon "new physical principles," including lasers, particle beams, and non-linear electromagnetic-pulse effects, belong, together with the role of high temperature superconductivity, to the domain of sub-atomic physics. Modern high-energy physics, especially that focused upon so-called "force free" status of plasmas, shows that sub-atomic phase-space has a distinct, Kepler-Gauss sort of inherent curvature. It is also shown, that non-linear effects of coherent electromagnetic pulses, as phenomena of the macro-scale, are rooted in the non-linear physics of the curvature of "force-free," least-action states in the sub-atomic domain.

One of the most important lines of inquiry to this effect today, is modern optical biophysics' attention to the decisive role of precisely tuned, inherently coherent electromagnetic pulses in living processes.

Conceptually, this new work belongs to the tradition of Pasteur's work on optical biophysics and the definition of living processes presented by Luca Pacioli and Leonardo da Vinci nearly 500 years ago. Essentially, modern instruments permit us to detect and measure localized coherent pulses in the range of quanta of emission, leading into what is called today "non-linear spectroscopy" of living processes. The comparison of the results obtained in this way in biological research, with lessons learned from high-energy physics of force-free plasma states, is the key to design of strategic and tactical anti-personnel assault weapons and related applications."

Frazer, James W. PhD and Frazer, Joyce E.(1988, Mar.Apr.)How Radiofrequency Waves Interact with Living Systems.21st Century.Pg. 50.Dr. Frazer, adjunct professor of pharmacology, University of Texas Health Science Center San Antonio. Dr. Frazer was featured as a weapons expert on CNN's Special Report,1985 and discussed his ten year Air Force career and on electromagnetic effects. His conclusion that "radiofrequency weapons could be the wild-card in the arms race."

"The nonthermal effects of electromagnetic radiation on living cells offer clues as to what is life, as well as to understanding Soviet research on the possibility of controlling human thought and emotional experience." Pg. 54. "In earlier work, Adey's group had shown a modulation sensitive effect on calcium efflux from chick brains. These findings created considerable controversy, but were completely substantiated by work done in Environmental Protection Agency(EPA) laboratories at Research Triangle Park in North Carolina. The subsequent history of their group is of interest. Adey's group continued with practical and theoretical studies of nonlinear response of biological systems to low-intensity fields-but with nearly annual cuts in funding levels. The federal agencies

monitoring that work have been fragmented and the people either left or transferred to other fields of endeavor. Price, Frazer, Mori, and all of the people performing the original lymphocyte experiments have resigned, been victims of reductions in force, gone into other areas of research, or retired. Thus, an area of research of great interest to theoretical biology has been very effectively choked off."

Wellborn Stanley & Daniloff, Nicholas.(1984, Oct. 1`). Can U.S. Hold Its Lead Over Soviets in Science Race? U.S News and World Report.Pg 53.

"The Soviets, for example, experiment extensively in parapsychology and psychic warfare," in modification of weather and in the biological effects of microwave and other electromagnetic fields. Much of this research is given high priority.

Commission on Security and Cooperation In Europe 102nd Congress First Session. The Moscow Meeting of the Conference on the Human Dimension of the Conference on Security and Cooperation in Europe 10 Sept.-4 Oct.1991. Pg. 9.

"Many individual Soviet citizens also attended, seeking help in redressing grievances against the Soviet system after decades of lawlessness and arbitrary administration of justice. Complaints ranged from unjustified loss of employment and placement in psychiatric hospitals to subjection to space-based rays launched and maintained by Soviet security organs. The U.S. delegation was able to do little more than listen to these individuals and forward their complaints to the Soviet delegation or the relevant republican authorities, suggesting to the Soviet delegation that it address the problems of these individuals."

From Fate Magazine, Feb. 1994, p 70. "Soviet Psychic Warfare" by Paul Stonehill

"In 1991, an article entitled "Once More About Psychic Weapons" was published in the Ugolog Ukraine newspaper (Issue 3, 1991) by Mr. A.V. Kalinets-Bryukhanov (K.B.), president of the All-Union Scientific Research Association for the Study of Psychophysical Problems of Nature. ...K.B. state that the "much buzzed about psychic weapons' do exist. In April 1983 he participated in the development of one of the most classified projects of the Soviet State Committee for Science and Technologies. ...K.B. ended his article stargely. Having observed the brain as a receiving and transmitting device, the researchers had discovered certain wavelengths. Using them, it is possible to influence various sections of the brain directly, reproduce cerebral tissue, and then provoke unusual changes in the qualities of individual psyches. Then one can program anything into the brains of experimental subjects."

"On July 4, 1991 a month before the August 1991 coup in the Soviet Union, a curious document known as Resolution 58 of the Committee for Science and Technologies of the ... USSR came from the Kremlin. The resolution condemned the "depraved practice" of financing pseudoscientific research with State funds. The research in question was of "non-traditional technologies," and had been conducted in the scientific research centers of the Academy of Sciences of the USSR, Academies of Sciences of several Soviet republics, and a number of State ministries and departments. Particularly it was research into the so-called

spinor torsionnic or microleptonnic fields."

"The research was tied to the creation of an unusual organization in the Soviet State Committee for Science and Technologies. It became known as the Center for Non-traditional Technologies (CNT); its former director was Mr. A.E. Akimov.

Akimov said that, "The research was based on assertions that there had been an unprecedented discovery in the science of physics. It had to do with a new class of physical fields and particles, and the influence exerted by such fields upon biological objects, inorganic nature, instruments, and equipment."

"The resolution stated that Soviet science officialdom knew nothing of such discoveries, either through open publications, or closed channels, that there had been only one private publication of the subject (by then refuted). The information presented by CNT's officials (hence through reports, presentations, or publications) had, in essence, contradicted conceptions established by modern science."

"Regardless of the quasi-scientific terminology used in such reports, the information was unsubstantiated, illogical, and scientifically unfounded. The CNT itself was created without necessary expertise."

"Pseudo-science blossoms"

"Later, the research undertaken was legitimized by support given it by the State Committee. Because of such support, the USSR Ministry of Defense and other state agencies had enough grounds to create a special research center, VENT. Akimov became its general director. Millions of rubles had been spent as the project of VENT received state funding. Akimov states that just the USSR Ministry of Defense had spent 23 million rubles, an impressive amount. Total funding for VENT (according to Akimov) from the USSR Military-Industrial Commission of the Cabinet of Ministers, and the KGB, was 500 million rubles."

The resolution states that the investigative committee took the conclusions of the Department of General Physics and Astronomy of the Academy of Sciences, USSR, under consideration. These conclusions qualified the research work in the areas of spinor and microleptonnic fields, and their applications, as a recurrence of anti-scientific activity."

The committee blamed the irresponsible approach taken by state agencies toward scientific expertise for the waste of state funds allocated for "anti-scientific activities." This was a clear abuse of the secrecy regime in Soviet academic institutions. The latter, as well as some colleges, had been involved in the whole mess."

"The "blossoming of pseudo-science" was assisted by the circulation of unclear information about similar research efforts abroad, but no convincing confirmation ever existed. The committee finally requested several things:

- 1) expert reports before funds would be allocated

2) control over completed or planned work in non-traditional fields

3) and mildly asked the KGB, the military, and the nuclear R&D establishment to report the sums spent, and the sources for the financing used for microleptonic and other projects."

"One month later, the Soviet Union was shaken to its foundations, and began to fall apart. Yet, on September 9, 1991, the Komsomolskaya Pravda newspaper published an unusual article. Its author, M. Volkov, revealed what it was that the CNT had actually researched. His source was a report from the CNT, Main Directions of Research."

"The CNT was involved in the study of remote medical and biological influences on the armed forces and people exposed to torsionnic radiation; remote psychophysical influence on the armed forces and people from the same radiation; and, finally, the defense to exposure in torsionnic radiation."

"In the fall of 1991, a two-part article in issues 34 and 35 of Molodaya Gvardia magazine was written by Emil Fedorovich Bachurin in the Soviet city of Perm. The information demonstrates the kinds of weapons that fall under the heading of "psychotronic weapons." ... The weapons are dreadful. A human being becomes a silent cog in a hellish machine of all-devouring fear. An individual's brain can be suppressed, activities curtailed, and such an individual will submit to any wish of the operator."

"The Zombies of the Red Czars", a documentary by Jerzy Sadkowski, 1998, shown on German TV channel ZDF

'The Zombies' refers to the victims of secret psychiatric experiments in Russia. This documentary, shown on ZDF, a mainstream TV channel in Germany, explores the evidence surrounding the allegations of the Zombies, psychotronic victims in Russia. The opening statement describes a new crisis in Russia, ..."crushed as much by the economic collapse...", The break up of the Soviet Union and the resultant economic crisis is the probable explanation for the extensive amount of Russian mind control information available for the first time in mainstream and international media. This documentary included five examples of previously classified information on mind control technology. Dr. Igor Smirnov demonstrated the 'psycho-acoustic correction technology that he developed. He is described as "one of the most important Russian psychiatrists". See 20+ section, several articles on Smirnov and his classified work and his consultations with the FBI.

The importance of this documentary is that the victims describe the same cluster of symptoms reported by U.S. victims, including mail and phone tampering, familiar tools of intelligence black bag operations. The documentary shows the extreme conditions that victims live with daily; they line their apartments with foil and wear electronic gear to ward off the harassing signals. The film says that there are "thousands of such people in Moscow." Nicolai Ivanitsch holds meetings for victims and claims over a thousand members. Alleged victims protest in Moscow Square.

This documentary shows five clips from secret Russian government training films. The films confirm the existence of psychotronic generators. One film features Dr. Smirnov

demonstrating his equipment to top government officials of North Korea. Another film shows the militia leader V. M. Soniko during the war in Afghanistan in which he helped pilots overcome stress and fight ruthlessly.

Andre Slepucha, (spelling could be incorrect), was a prisoner of the Stalinistic camps and the KGB and claims that he received psychotronic treatment there in 1953. He is author of several publications and is recommended as a credible victim by the documentary producers.

Conclusions

1. Dr. Smirnov is a well-known psychiatrist and treats the claims of the victims as plausible. The documentary discloses just how comprehensive the alleged Russian mind control experiments are.
2. This documentary adds support to the theory of a large mind control weapons program.
3. Parallel documentation by the victims of U.S. mind control experiments supports the theory of a large, very similar, but still very classified program in the U.S.

MC Russia Part 1

Russian MC video Part one

SECRET RUSSIA (2) :

MOSCOW :

THE 'ZOMBIES' OF THE RED CZARS

TRANSLATED INTO ENGLISH BY :
Jan Wiesemann

CREDITS :

Second part of a three-part German documentary, titled : "Geheimes Ruáland. Moskau -- Die Zombies der roten Zaren" [translation : "Secret Russia. Moscow -- The zombies of the red czars"] Part (1) and part (3) of this documentary do NOT deal with Mind Control or Psychotronic Weapons & techniques.

CREDITS for part (2) of the documentary translated here :

A documentary by Jerzy Sladkowski, edited by Agnieszka Bojanowska, camera by Nikolaj Sidortschenko, producer Horst Kalbus, a production by Besta Film, Warschau, Stanislaw Krzeminski. Financed by (the German TV channel) ZDF and (the ??? TV channel) TVP, in close cooperation with (the French/German TV channel) Arte. The documentary aired on

the German ZDF Tuesday evening, December 22, 1998, from 10:15pm until 11:00pm. A VHS copy of the documentary is available from the German TV-station ZDF for the equivalent of 80 DM (approximately 40 Euros) plus shipping & mailing charges. To order, be sure to mention the title and the precise date the documentary was shown on German TV (see above).

The address is:

ZDF Programmverwertung
Postfach 4040
55100 Mainz
West-Germany

NOTE CONCERNING THE ENGLISH TRANSLATION OF THIS DOCUMENT:

The spelling of all Russian names, places, locales and words is to be regarded as "experimental" and possibly incorrect.

The translator.

SECRET RUSSIA : MOSCOW -- THE ZOMBIES OF THE RED CZARS

SPEAKER :

The Kremlin. Until shortly the symbol of absolute power. The dream of the red czars was a disciplined society they could completely control. This dream once inspired George Orwell to write his darkly futuristic novel, "1984". Autumn 1998, and [now] there is a new crisis in Russia. Years after the collapse of communism the citizens are crushed as much by the economic collapse as they are crushed by the aftermaths of the more than seven decades lasting old system. It was like a net of blunt force and secret control which constrained the citizens. Some of these methods, like the Stalinistic camps, were reported all over the world. Others even its victims only report very rarely. In this country, many see themselves as victims : Victims of armed conflicts or political repression. Victims of secret psychiatric experiments or the constant fear of the "big brother".

[A young man is shown. He is in a wheelchair and has bandages all over his head. An old lady, presumably an assistant to Dr. Smirnov, attaches electrodes to various parts on his head and body.]

SPEAKER :

This young man is a victim of the war in Tschetschenia. A soldier who could escape from the surrounded Grosnie.

MAN IN WHEELCHAIR :

"Mama has cried. She thanks you for everything you have done for us."

SPEAKER :

Only a year ago, due to his war trauma, Sasha could neither talk nor move on his own. He had eye and hearing disturbances. Traditional psychiatry had given him up as a hopeless case and condemned him to vegetate in a closed asylum.

OLD WOMAN [asks Man In Wheelchair] :

"Is it conformable for you like this ? You can sit calmly this way and rest your head." [The man in the wheelchair is seated in front of a computer screen].

SPEAKER :

Soon yet another session of a treatment will start which eventually will completely heal the young man. The instrument of this treatment is a computer program which has been individually tailored to each patient. Over a system of impulses it directly acts on his subconscious. Its inventor refers to this treatment as `Psycho-Correction'. With this therapy the ruins of the psyches of a human are patched up again, a human who has experienced more than he can handle. The numbers on the screen are meant to engage the conscious (part of the mind) to divert attention from the real communication between computer and subconscious.

CLOSE-UP OF MAN IN THE WHEELCHAIR AS HE STARES AT THE NUMBERS FLASHING ON A COMPUTER SCREEN. (His eyes flicker)

CLOSE-UP OF A COMPUTER SCREEN UPON WHICH A SERIES OF NUMBER SEQUENCES FLASH BY.

SPEAKER :

This technique, which is healing Sasha, has been developed by Dr. Igor Viktorovitsch Smirnov, (spelling ???) member of the Academy of Sciences, grandson of a famous [representative] KGB chief, born in a Stalinistic prison. Today, he is one of the most important Russian psychiatrists and famous not only in Russia. His services were even employed by the FBI, which Russian television proudly reported in spring 1993.

REPORTER (Different Speaker) :

Waco, Texas : Law enforcement authorities have surrounded the compounds of a fanatic cult of David Koresh who did not want to surrender. The negotiations have reached a stalemate. The FBI turns to Moscow scientist Igor Smirnov. This respectable bureaucracy took his ability to directly influence the subconscious of the cult members very seriously. At the location Dr. Smirnov introduced a plan by which the cult members were to be "softened up" before the final confrontation.

DR. SMIRNOV :

I wanted to use an appeal by close relatives, from (the cult member's) children and parents. Such as, "Mama come out. We love you very much and are waiting for you." In this fashion I wanted to directly reach [target] every known member of the cult individually in this building. With the help of computer programs these appeals were to be turned into a sound-like signal. While the conscious mind will not recognize these signals the unconscious will react to it. This was to minimize the danger of preventing extreme situations from developing, including a tragic outcome.

SPEAKER :

Via radio, television and telephone lines, the cult of David Koresh was to be subjected to subliminal psychological pressures. But the FBI was also under pressure. Smirnov was not able to carry out the plan.

DR. SMIRNOV :

Three days after our agreement with the chief of the technical services of the FBI, the Americans suddenly changed their decision to wait for one week, which I had asked for so everything could be installed. And they used only one of the agreed upon components, that is, the appeals of close relatives. But in a completely open manner. They installed loudspeakers and began to broadcast everything openly [i.e., in the normal audio mode]. And then the tragedy happened. [The burning of the David Koresh's compound in Waco, Texas, is shown.]

SPEAKER :

This is when the public found out for the first time what the mysterious professor occupies himself with. In addition to hundreds of new patients from all over Russia, clients with completely different needs also started to contact him.

INTERVIEWER (asks Dr. Smirnov) :

Are you or have you ever been contacted by politicians to help them get elected ?

DR. SMIRNOV :

But of course. Just now a new wave of approaches has began. There are going to be presidential elections soon. Our Russian politicians are uneducated and uncivilized. That's why they are such a ruthless and manipulative pack. They don't recoil from attempting to exploit the entire population with technical means, such as ours, only to reach the desired office. I do not advocate supporting this pack. I will never do that under any circumstances.

INTERVIEWER (asks Dr. Smirnov) :

Is this even possible technically ?

DR. SMIRNOV :

Yes. We have conducted experiments with groups of young volunteers. In situations where an immediate decision has to be reached, the group behavior can be changed with a high degree of probability.

[CUT TO : Two men, outside : One in a jeans jacket, another in a suit. Both are nervously smoking a cigarette.]

SPEAKER :

The man wearing the jeans jacket views himself as an unwitting victim of considerably less harmless experiments : Nicolai Ivanitsch Anisinov (spelling ???), a former dissident and prisoner of the KGB. Today he is the representative of the "Moscow Zombies". These people have the habit of constantly watching over their back. They often change their address. They do not trust anyone, whether with or without reason. On their shoulders rests the shadow of the Soviet past.

SPEAKER (continued) :

There are thousands of such people in Moscow. This includes victims of "secret experiments", as they say, and victims of the fear of the allmight of an Orwellian "thought police". These victims are represented by Nicolai Ivanitsch (spelling ???). This is the site where the office of this organisation used to be. One year ago, the Soviet authorities withdrew their permit.

[Close-up of the man in suit smoking a cigarette]

SPEAKER (continued) :

The man with the cigarette watches to make sure they no longer enter the building. This organisation has over a thousand members and receives letters from all over Russia. A few dozens every week. Nicolai Ivanitsch now holds his meetings every Wednesday on this street corner. But only a few show up at these meetings. Many are still afraid. And many simply do not have the strength. The authorities ignore the problem of the Zombies. Comments [information ; details] were refused. For the majority of the population it remains a somehow uncomfortable [undefinable] secret.

[Cut to a science laboratory]

SPEAKER :

Secrecy also surrounds this Moscow research laboratory of which it is not known who finances it. This film was recorded three years ago for a Russian documentary which the

Russian television station was suddenly ordered to withdraw without being given a reason. The scientists here do not exactly push themselves in front of the camera. The laboratorist introduces herself as Vera".

[A man lying on his back is being rolled into a huge sphere. Vera, a female laboratorist, speaks to the camera :]

VERA :

So, our machine corrects the human biofield. It not only corrects it but heals it as well. For every patient we put together an individual therapy program.

SPEAKER :

In every case Vera refers to the experimental volunteer as a "patient", even though the laboratory is not a scientifically [recognized] establishment.

VERA :

Currently with this device, AL-015-T, we can transfer every known medication to the patient.

RUSSIAN INTERVIEWER (asks Vera):

The walls of this room are so shielded. What physical processes occur here ?

VERA :

Yes, we shield every human which does not have anything to do with our therapy or our illnesses from the effects of this machine. Because everything has its own radiation. We protect both the humans as well as ourselves.

RUSSIAN INTERVIEWER (asks Vera):

You refer to this cassette as a program. But there's some type of a fluid inside it ?

VERA :

This is the programator.

RUSSIAN INTERVIEWER (asks Vera):

What is that ?

VERA :

Hmm, we will reveal this once it has been patented.

RUSSIAN INTERVIEWER (asks Vera):

In other words, a type of fluid which contains some kind of information ?

VERA :

Correct. This is an information programator.

RUSSIAN INTERVIEWER (asks Vera):

And this will then be transferred [(?) inserted electronically (?)] into the body of the patient ?

VERA :

Yes.

INTERVIEWER (asks Vera):

Could you explain this again ?

VERA :

With your permission, I will not do that. [i.e, explain it again]

[CUT to man lying under a huge hemispherical device.]

SPEAKER :

This type of research was once controlled by the communists. Today the same scientists operate in a lawless environment for the free (unregulated) market.

CUT TO DR. SMIRNOV

[wearing a black suit and tie]

DR. SMIRNOV :

What we do here and have implemented for some time, could from a certain point of view, appear as a weapon. In most countries this is heavily regulated and prohibited. In Russia, until now you can do everything you want. The only barrier is the ethic of those who possess this technology.

CUT TO AN APARTMENT

SPEAKER :

In Russia, the methods by which the human soul and body can be manipulated by electronic means, even from a distance, are called "Psychotronic treatment". [A cheaply constructed headgear is shown.]

SPEAKER :

This is a self-fabricated headgear against low electromagnetic frequencies. Tenants of these apartments have voiced complaints which are said to be symptomatic of victims of psychotronic experiments. One of them is Yirena Koslova (spelling ???). We visit her together with the electronic engineer Andre Slepucha (spelling Subj: MC Russia 2

SPEAKER (continued) :

He alleges that the KGB already experimented on him during the 1950's. Fact is, at that time Andre was a prisoner of the Stalinistic camps and the KGB. Yirena Koslova sleeps in this cage to protect herself against the exterior effects of psychotronic influences. When she notices our expressions of disbelief she shows us an attestation from the International Center of Psychiatry which certifies that she is psychologically perfectly healthy. Yirena used to work for the Moscow district attorney. She was fired after she protested against the suppression of politically sensitive evidence.

YIRENA :

Without this technology, I would already be lying in the cemetery. When they start to pound your brain, you feel as if you are weightless, for a few days thereafter. If you move your head too fast and abruptly, you become dizzy.

ANDRE SLEPUCHA :

In the first two, three years, you don't particularly notice the effects of a psychotronic treatment. But only then the organism gets shaken up and a strong reaction of all organs begins. (to YIRENA :) What is wrong in your case? Is it the kidneys, the heart? Do you have heart problems ?

YIRENA :

Well, they do it so that everything is swinging. It starts to hammer and flutter.

ANDRE SLEPUCHA :

An arrhythmia. This is typical.

YIRENA :

Either they cause a sharp pain or it starts to flutter.

ANDRE SLEPUCHA :

This is a reaction to a radiation of approximately 3 MHZ. This affects the centers which control the heart functions.

YIRENA :

It causes a state in which the heart becomes [feels] very heavy and you can't do anything anymore. Everything falls out of your hands. Suddenly it hurts here and there. But when you go see a doctor he doesn't find anything. Strange things.

ANDRE SLEPUCHA :

Anything possible can happen.

YIRENA :

You are completely incapacitated and completely unable to do anything. But then you go see a doctor and there is nothing.

CUT TO THE OUTSIDE OF THE APARTMENT BUILDING(S)

SPEAKER :

As we leave Yirena's home we are apprehended with the question whether it is even possible to cause such considerable strong reactions of the body by manipulating the psyches from a distance. We ask Professor Smirnov whether he ever encountered such a case during his long years of clinical practice.

[CUT TO DR. SMIRNOV, SITTING BEHIND A DESK]

DR. SMIRNOV :

I once watched a 52 year old (female) patient, who was a very well known doctor with academic degrees and titles. Within one week she suddenly lost her hair, nails, eyelashes, eyebrows and teeth. She completely lost her ability to move, except for her right hand. She started making unarticulated sounds which remotely sounded like language. Using her [partially unaffected right] hand to communicate by making small notes onto a paper she was able to explain to us that this was the result of a violation [attack] of a psychotronic weapon. Officially she was diagnosed as suffering from a destruction of the vessels in the cerebrum [frontal lobe] of the brain. But [such vessels] did [do] not exist there. And by which means did their destruction occur so suddenly ? Here we seriously have to consider the possibility whether there might not be someone evil who is secretly radiating, perhaps the neighbors next door, with radioactive Cobalt.

CUT BACK TO ANDRE SLEPUCHA'S APARTMENT

SPEAKER

Andr, Slepucha demonstrates the means by which he tries to protect himself against unwanted outside influences. The authors of the documentary hired by the Russian television [station] referred him to us as a credible victim of psychotronic abuse. He is also the author of several publications on this subject.

ANDRE SLEPUCHA

These are so-called elements [parts] for the personal protection against psychotronic treatments [psychotronic weapons]. Here on the arms I have certain sensors. Also, on this hand, and also, here at knee level. They are all connected together to an electrical system. This box is the size of a transistor receiver. The thing is, the psychotronic treatment of the brain is being carried out with radiowaves of a specific frequency and a very wide bandwidth. A psychotronic generator is often directly connected to the [consumer] supply outlets, especially onto the telephone network, the radio network, and similar networks. In this case you must, to simplify this, connect certain filters for these arriving messages. I can show them to you.

SPEAKER :

Andr, shows us his home which he has transformed into a fortress to defeat psychotronic signals. With the means available to him he has constructed filters for all entrances of the supply networks, for the telephone [networks], radio [networks] and electricity [networks]. Experts have confirmed that one can indeed protect oneself with such means [devices / instruments] against extreme, low-frequency electromagnetic waves [ELF's], which may have possible negative effects on the organism. The question remains : Who could be interested in harassing this old man ? Is he today really the victim of secret [psychiatric] experiments or [rather] the victim of an exaggerated paranoia which has its roots in his persecution during the days of Stalin ?

ANDRE SLEPUCHA :

This here is my laboratory, or more specifically, my workshop. Here I try to construct the devices I told you about to help those people who have grievances [complaints] due to psychotronic treatments [psychotronic weapons].

SPEAKER :

Andr, Slepucha explains to us which changes have to be made on a simple transistor so it can be used as a measuring instrument for extremely low frequency electromagnetic waves [ELFs]. He connects it to a metal band on his wrist so that it forms a closed circuit and turns it on to discover if a source of a so-called psychotronic treatment is nearby.

[A nondistinctive rushing sound it heard in the device]

ANDRE SLEPUCHA

There is a psychotronic generator at work !

SPEAKER :

Let us assume this is really so. Who is then behind it ?

CUT BACK TO INTERVIEW WITH DR. SMIRNOV

DR: SMIRNOV :

Russia holds the first place with regards to the annually produced [created] computer viruses. This implies that we have colossal numbers of scarily active and very inventive brains for whom there is no demand and who find their self-fulfilment in producing evil.

DR. SMIRNOV (continued) :

The unrestrained development of the psychotronic technology can today be compared to the condition of, lets say, the nuclear research [when it was still] in its very infancy.

CUT TO A GROUP OF TRAINEES WATCHING A FILM

SPEAKER :

We are searching for explanations in secret film material made available to us. They are information and teaching films which were produced under orders from the Russian Interior Ministry. [CUT to close-up of the film] These films confirm the existence of psychotronic generators as well as their dangers.

1st Russian Speaker from Russian Interior Ministry Film :

Time and again, the development [construction] of different psychotronic generators has proved fatal for their inventors. Not in every case, but certainly often enough to be relevant statistically.

2nd Russian Speaker from Russian Interior Ministry Film :

There are four main stages [in the symptoms suffered as a result to the exposure to a psychotronic generator [device]] : The first is a general feeling of unwellness, a weakening of the functions [of the organs/of the brain (?)]. The second is the loss of logic. The third is the loss of spacial orientation. The fourth is the loss of consciousness.

CUT TO A DIFFERENT FILM

SPEAKER :

Another archive film shows a deserted laboratory for psychotronic experiments in the town of Selenoga (spelling ???). The commentator explains that in this case, it was not the crazy experimenters who became victims of their own work but a family with four children who [had] lived in a neighboring [adjoining] home. All of them [suddenly] got ill and died. The only lead which remains of the scientists who are now wanted by the police are a Buddha figure and photos from a study excursion [trip] to Tibet. The identity of those who financed their research is also unknown.

CUT BACK TO ANDRE SLEPUCHA'S APARTMENT. CLOSE-UP OF A PANORAMA PHOTO SHOWING THE COAL MINES OF VORKUTA (spelling ???) :

SPEAKER :

The coal mines of Vorkuta (spelling ???) from the days of the Stalinistic persecution. This panorama reminds millions of Russians of the worst moments in the history of their country. Andr, Slepucha owns yet another souvenir from his days in the [Stalinistic concentration] camps.

ANDRE SLEPUCHA :

In November 1954 I came into contact with what today is referred to as [a] "Psychotronic Treatment" for the first time. Back then they took me out of the concentration camp where, under Stalin, I had been imprisoned as a political prisoner, and brought me into an isolation cell in the KGB prison which was located in the Lubyanka.

After an approximately two week long continuous occupation of the cell I suddenly experienced in the morning strong sounds in the head, very strong acoustic and visual hallucinations.

SPEAKER :

Since the 1970's it is no longer a secret that the Soviet Intelligence Services experimented with the psyches of its imprisoned dissidents. But Slepucha also points out a more recent example of a possible psychotronic manipulation which involved top [Russian] government officials.

ANDRE SLEPUCHA :

The former chief of [Boris] Yeltsin's bodyguards, Alexander Vasilivitch Korjakov (spelling ???), said in February 1991 on the radio, [that] they were outraged, because next to Yeltsin's office they had discovered a room with a great number of electronic devices. When they moved the panels, they also discovered in Yeltsin's office certain specific antennas [related to psychotronic generators and weapons].

CUT TO PUSHKIN MEMORIAL, OUTSIDE, IN MOSCOW :

SPEAKER :

At the Pushkin memorial, in the center of Moscow, some who believe themselves to be victims of psychotronic treatments try to arouse the attention of the passerbys. But hardly anyone pays attention to the posters with the dramatic displays which purport to document the plight of alleged fatal victims of psychotronic experiments.

Russia Part 3

CUT TO PUSHKIN MEMORIAL, OUTSIDE, IN MOSCOW :

SPEAKER :

At the Pushkin memorial, in the center of Moscow, some who believe themselves to be victims of psychotronic treatments try to arouse the attention of the passerbys. But hardly anyone pays attention to the posters with the dramatic displays which purport to document the plight of alleged fatal victims of psychotronic experiments.

SPEAKER (continued) :

In light of the severity of the existential problems prevailing in Russia today, such questions do not appear as important. Psycho-Fascism is the charge made on the poster[s]. The photos show Nikolai Ivanitsch (spelling ???) during several stages of psychotronic treatments which he alleges also left [him with] physical traces. Sometimes one of the older people want to know the details. For the younger [generation] this is a totally strange subject. Basically, only the perpetrators, and perhaps also their victims know more details concerning questionable experiments with/on the human psyches [brain].

[CUT TO DR. SMIRNOV'S LABORATORY : Closeup of a computer monitor upon which a harmless appearing film of a Buddhist ceremony is shown]

SPEAKER :

This film was produced for demonstration purposes by Russian scientists for top government officials of North Korea. One of those [Russian] scientists was Dr. Smirnov. Today he unveils in our presence the secret of the manipulation. To make it visible in this innocent picture, you have to know the correct [computer] code [of the computer software which encrypted the unseen subliminal message/picture and hid it in the visible picture of the Buddhist temple.]

DR. SMIRNOV :

This film was produced in order to demonstrate how to insert a thought, a picture, a suggestion, into a totally different context. Someone who looks at such material will

consciously only notice the disguising picture, such as, for example, any given TV show or commercial.

DR. SMIRNOV (continued) :

In fact, however [at the same time the viewer] also receives a secret information [which is] not accessible to the conscious. Let me [now] show you the picture which has been inserted by code into this video.

[Smirnov punches a code into his computer which makes the picture visible]

DR. SMIRNOV :

There it is. [Now we see a photo of U.S. President Bill Clinton with the message : "YANKEE GO HOME !"]

SPEAKER :

We are no longer dealing with a briefly inserted, unencrypted film picture, a technique which had been tested and prohibited years ago in [for] American commercials. The difference [between the older subliminal technique of briefly inserting an unencrypted picture into a commercial and Dr. Smirnov's new technique] is that the [subliminally] encrypted technique demonstrated here is almost impossible to prove.

DR. SMIRNOV :

Try to comprehend the danger if this were to be produced by a government-controlled television [station] so that millions of people would be repeatedly exposed to the [subliminal] message for, let's say, each day for at least a month. Slowly but ever so gradually it [the subliminal message] would penetrate the brains.

[WE CUT TO RUSSIAN PEOPLE, OUTSIDE]

SPEAKER :

The first Russian generation which has come of age without Communism is now confronted with this danger. [This generation] competes for the once forbidden fruits, and in the intoxication of the newly won freedoms doesn't care for any prohibitions or restraints. [A CLOSE-UP of a Russian Nazi insignia is shown] This is naturally a fertile ground for modern gurus of different origins.

SPEAKER (continued) :

One of them is this man : The militia leader Vijatcheslav Mikhailovitsch Soniko (spelling ???). During the war in Afghanistan he helped pilots to overcome their battle stress. Today he heads a center for psychophysiology in which members of the Special

Forces are being instructed. Here too, they treat the human subconscious. But rather than healing [psychological] illnesses, as Dr. Smirnov [does], this treatment instead seeks to reduce the patients' susceptibility to stress and improve their will to execute orders obediently and consistently, in other words, ruthlessly. The patient in this top-secret instruction film of the Interior Ministry is a perfectly healthy officer of the Special Forces [shown] here during [his] psychological preparation for Special Missions. This could be regarded as a genuine Zombie Factory.

[CLOSE-UP of a computer monitor displaying various rhythms (heart, breathing & perspiration rates, etcetera) as well as of the face of the man undergoing the treatment, hooked up to a variety of electronic devices, and the face of the man now speaking]

Speaker of brainwashing operation :

There is a feeling of calmness in every conceivable circumstance. In every conceivable situation. In every conceivable circumstance. You will keep your self-control. Your organism will function reliably and solidly. In every circumstance, even in the most difficult. In every muscle, in every cell of your organism you will feel, now and forever, a pleasant clam energy in every single cell. [A video of a drug bust is shown while the treatment continues] This condition will remain with you in every conceivable, difficult situation. Calm self-assurance. Calm self-assurance in even the most difficult situation.

Russia Part 4

the face of the man now speaking]

Speaker of brainwashing operation :

There is a feeling of calmness in every conceivable circumstance. In every conceivable situation. In every conceivable circumstance. You will keep your self-control. Your organism will function reliably and solidly. In every circumstance, even in the most difficult. In every muscle, in every cell of your organism you will feel, now and forever, a pleasant clam energy in every single cell. [A video of a drug bust is shown while the treatment continues] This condition will remain with you in every conceivable, difficult situation. Calm self-assurance. Calm self-assurance in even the most difficult situation.

Another Speaker of the laboratory addresses the TV audience :

I believe if this is done only for good, then even the forces of the Almighty, to the extent that they exist, will not be angry at us with regards to the experiments we conduct, and the methods we are developing which help the human to keep his sanity.

[A Member of the laboratory responds to the questions of the interviewer] :

Member of the laboratory :

Up until today we have collected enormous statistical data on more than ten thousand humans, and we never noticed [came across] any cases of negative side-effects.

SPEAKER :

In the same archive film, we discover even more evidence dealing with the concern for the psychological health of the human being.

(Same) Member of the laboratory :

[The laboratory member explains a drawing of a building complex on a wall] This fantastic experimental-technical development was [conducted/carried out upon] the orders of the [Soviet/Russian] Defense Ministry. This movable complex is a container which is made up of a bioresonance room, a machine room, a hospital room, and a [very] special bio-manual treatment room. With a length of 12 meters, a height of 3 meters, and a width of 3 meters it satisfies the general European standards. This is a transporter which can be put up anywhere, with automatic aircondition. It can be placed on the Northpole or at the equator, wherever you want.

INTERVIEWER :

And why was especially the military so interested in this ?

Member of the laboratory :

Why the military ? They are investigating the possibilities of rehabilitation of troops under combat conditions [in the field].

CUT TO :

[A diagram of numbers and figures flashing on a computer screen is shown]

SPEAKER :

What remains of the Russian soul once it has gone through such a container in which a computer programmed for the cleaning of the subconscious changes feelings and human excitements into numbers and [mathematical] diagrams, which can then be "corrected". [A diagram of wavy lines is shown]

SPEAKER (continued) :

This is one of Professor Smirnov's recorded computer displays of a human subconscious, a graphic illustration of the [human] soul. Every one who has access to the computer and knows the [software] program has access to this soul. To rule the [human] souls, one only has to put them into the area of effective vicinity of the apparatus. Or, there is already a method to transmit hidden information over long distances. According to Smirnov [such a

method] does exist :

DR. SMIRNOV :

You can input a suggestive "equation", a "consciously not noticeable fable", as we like to call it, into every conceivable low-frequency sound, for example, into the background sound you can hear in the telephone, even into the sound of a sledge hammer, not to mention the fact that this can be even more easily done with the radio or pieces of music. It works like this :

[Dr. Smirnov speaks into a microphone which is hooked up to his computer]

DR. SMIRNOV :

[Into the microphone :] "Attention. Attention. This is Germany. In five minutes, Hitler will be finished." [To the TV audience :] We now have recorded an audio database which can then be played back from the computer.

[Dr. Smirnov plays his own voice back : "Attention. Attention. This is Germany. In five minutes, Hitler will be finished."]

There is nothing special about this. But now we change this [audio] database into an undecipherable format. We receive a database which produces a sound. [Dr. Smirnov plays the changed database of his voice back which now sounds only like background noise rushings].

Only the rhythm is the same as that of the originally recorded database, but my words are no longer recognizable, right ?! Still, the brain will not rest until it has decoded [the message]. We too can decode [the message] if we change it back [to its original form]. I have recorded this changed-back database. Now we'll open it. [Dr. Smirnov does this on the computer]. There it is. Let us listen to it again. [The same rustle-rushing sound is heard]. Yes, there is that sound [again]. And now we'll decode it. Even if my voice will [now] be a little distorted, I hope that it can [still] be recognized.

[The recording of Dr. Smirnov's voice is played once more : "Attention. Attention. This is Germany. In five minutes, Hitler will be finished."]

If a great number of people would be exposed to all of this, for example through the TV, or the movie theatres, or radios, then, I believe, that there exists a certain danger for our security.

WE CUT BACK TO THE APARTMENT OF A LITTLE OLD LADY

MAN :

Again the telephone doesn't work as it is supposed to. It dials all by itself.

SPEAKER :

The leader of the "Moscow Zombies" believes [that] the malfunctions of [the problems with] the telephone are due to the effect of a psychotronic generator.

MAN :

Veronika was [is located in] the `Middlevar' (spelling ???). Again it is dialling a different number. I wanted to call the `Tekovar' (spelling ???).

OLD WOMAN :

And it doesn't dial the number ?

MAN :

No, it dials the time announcement, which you called the last time, as if [the numbers] had been stored.

OLD WOMAN

And I call the security services of my apartment, but [instead I] receive the time announcement. I try it again and nothing gets dialled.

MAN

When I called the Terkovar yesterday, I got connected to the cemetery.

OLD WOMAN

At the cemetery ? So they sent you to [connected you with] the cemetery.

SPEAKER

Nikolai Ivanovitsch (spelling ???) pays no rent. He also has no money for food. The old woman, a retired biologist, supports [both] him and herself from her meagre social security proceeds.

SPEAKER (continued) :

She does that out of solidarity with the "Zombie"-movement because she has spent many years in the [Stalinistic concentration] camp herself and has basically been persecuted politically for her entire life.

MAN :

I just [simply] wanted to tell you that the contact with me can bear various conflicts. Therefore, I always tell you : Talk less.

OLD WOMAN

You know this better than I do.

MAN

It doesn't necessarily have to come down to a conflict. But it may give [result in] provocations [enmities] and such. It is better not to talk.

SPEAKER :

Nobody knows in how many homes in Moscow, or [even] in all of Russia, there are people who up until today are afraid to talk freely. People who are afraid of their own shadow. And nobody knows how many of them are really the victims of dubious [psychological] experiments with [on] the human psyches. And how many are victims of the fear of such manipulations.

WE CUT BACK TO DR. SMIRNOV WHO IS SEATED BEHIND A DESK :

DR. SMIRNOV :

What, in my opinion correctly, is feared the most in the entire world, is an invasion into the soul. This couldn't be any other way. After all, it is better to lose the body than [to lose] the immortal soul. It is easily conceivable that some Russian "Satan", or, let's say an Iranian or any other [Satan], as long as he owns the appropriate means and finances, can [could] inject himself [intrude] into every conceivable computer network, into every conceivable radio or tv broadcast with relative technological ease, even without disconnecting [any] cables. You can intercept the [radio]waves in the aether and then [subliminally] modulate every conceivable suggestion into it. If this transpires over a long enough time period, it accumulates in the heads of the people. And eventually, they can be artificially manipulated with other additional measurements to do [exactly] that which this perpetrator wants [them to do]. This is why [such technology] is rightfully [correctly] feared.

CUT BACK TO ANDRE SLEPUCHA'S APARTMENT

ANDRE SLEPUCHA :

Many who view these pictures might think, this man alleges to have been [psychotronically] treated for fifteen years, yet at the same time his arguments are sufficiently logical and analytical. And for his almost seventy years, he doesn't look so bad. But [the fact is] I have been clinically dead three times, due to the effects of special electronic vibrations, which led to very strong internal bleedings and a great loss of blood.

ANDRE SLEPUCHA (continued) :

I was simply lucky with the ambulance so that I, as they say, could be saved. And [the] second [reason is] that for at least seven years I have successfully employed these protective measurements which I have demonstrated to you.

WE CUT TO OUTSIDE, RUSSIA, EVENING

SPEAKER :

We are driving to the Bolsheia Pirogovka, Russia's oldest psychiatry, the Korsakov clinic. Here is also the Institute for Psycho Technology which Dr. Smirnov founded ten years ago. Since then, more than ten thousand people have contacted him to volunteer for the technique he developed, an operation on the "open subconscious". One of them was also Olga.

OLGA :

I took drugs for approximately three years, and tried in the past one and a half years exceedingly to stop. I've been in all kinds of [drug abuse] hospitals for rehabilitation [purposes]. But none of the therapies [I tried out] were successful. This [Dr. Smirnov's] treatment applies a medication which does not directly produce hallucinations, but you somehow "see" your subconscious, your own life from beginning to the end. [After completing Dr. Smirnov's treatment (and taking the medication)] I had a genuine feeling that I could not possibly return, as if, although I'm not dying, but nevertheless am removing myself to someplace. The procedure takes only approximately one minute. But it feels like three to four hours. I subjected myself to this treatment about a month and a half ago. And since then, I feel good. I can say that today I feel like a free person, because I can [now] say "no" to the drugs.

[WE NOW CUT TO THE CLINIC OF DR. SMIRNOV: A YOUNG MAN IS BEING PREPARED FOR AN OPERATION ON HIS SUBCONSCIOUS]

SPEAKER :

In the clinic of Dr. Smirnov : This narcotized young man also has been a drug addict for four years. Soon he will begin a unique, unbloody operation after which he will wake up cured of his fateful drug addiction. [CLOSE-UP of the patient as he watches a sequence of numbers flashing on a computer screen]. From the computer loudspeakers, coded instructions are intruding into the subconscious of the patient which force him to confront the worst experiences of his life. Therein lies the hidden cause of his drug addiction. The sensations [emotions ?] [the patient experiences] during [this procedure] are so strong that sometimes the heart stops beating. This is the reason for the narcosis and the [presence of] a specialized team of doctors which is able to revive the patient in case of [an] emergency. The [subliminal] instructions are being encrypted into the sound of the [patient's] heartbeat. The operation lasts only a few minutes. Usually the patient continues to repeat one word which for him has a [personal] key meaning.

PATIENT :

Mama. Mama. Mama.

SPEAKER :

The subconscious, the soul of the young man, now lies exposed to the surgeon. Only Smirnov practices such procedures on the subconscious today. Sergei's [the patient's] pulse increases to two hundred beats per minute. In this moment, the drug addiction is literally being surgically removed.

[A noise of an increasing pulse beat is heard]

SPEAKER

Brainwashing per computer !

[The sound of the pulse becomes louder and faster]

PATIENT

Mama. Mama. Mama. Mama. Mama. Mama. Mama. Mama.

DR. SMIRNOV :

Finished ?

SPEAKER :

Now the pulse frequency decreases again. The "cavity" [hole] created in his subconscious is now being replaced ["filled"] with positive motivation. It [the positive motivation] will help him to live without the [drug] addiction.

[The patient sighs and breathes deeply.]

One could feel enthusiastic. Would there not be a [rather] disturbing thought : If it is possible to remove "evil" from the soul of a human being, and have it replaced with "good", is this also possible the other way around ? Can anyone in Russia today guarantee that this is never going to happen ?

DR. SMIRNOV :

There is a famous bible verse which is [usually] interpreted incorrectly :

"I am the Lord." [alternative translation : "I am the Master."]

Everyone assumes automatically that this is a word of God, right ? He is the Lord [Master]. In fact, "I am the Lord [Master]", means "I am God", "She is God", or "They are God". "God", this is the Holy Spirit, this is us. The general population does not realize this second meaning. And although we psychiatrists operate with relative material objects, computers, programs, semantic structures and such, which can be measured, weighted, and be understood and expressed in numbers, we treat this [Holy] Spirit in a pretty mediocre way. Because this is not something so metaphysical, immaterial and irrational as [was] once thought.

F L ---- J ---- L E

Section II

The Second and Equally Convincing Argument For the Existence of U.S. EMR Mind Control Weapons: The East/West Controversy over Thermal/Athermal effects of Emr Ends With the Exposure of a U.S. Cold War Cover Story

1. Freedom of Information Act excerpts from Harlan Girard, released 2001
2. 1983 Washington DC Conference on Psychological Strategies sponsored by the "Intellectual Father of Star Wars", Dr. Stefan Possony, discussing Russian emr mind control based on athermal emr effects.
3. BBC TV 1984 documentary, "Opening Pandora's Box", highlighting Dr. Becker's theory of large, classified U.S. emr weapons program based in part on evidence of the thermal/athermal controversy.
4. 2000 Video by Council on Wireless Technology Impacts, "Public Exposure", www.emrnetwork.org. More evidence of athermal controversy

Freedom of Information Act Request thanks to Harlan Girard, 2001

This series of unclassified FBIS documents verifies, in detail, the information in the Lopatin book and Russian articles. This fact indicates that information on the mind control issue in the public domain is limited in scope. Some of the authors of the articles are scientists and Russian military personnel. Some articles were translated for government staff. A major theme of the articles is the concern about the dangers of the technology and the need for international controls.

Member of the Russian Federation of Space Exploration Scientific and Technical Council, Anatoliy Ptushenko describes spaced-based energy systems ...that are "capable of driving millions of people crazy".

The first articles an in-depth account written by a member of the Russian Federation of Space Exploration Scientific and Technical Council, Anatoliy Ptushenko. He discussed "for the first time in our press in Rabochaya Tribuna ...about psychotropic weapons...space-based energy systems ...that are "capable of driving millions of people crazy... which started to be developed in the sixties--" The article continues with a discussion of space-based energy systems and the need for the world community to establish an apriori permanent, preventive monitoring of the development and deployment of space-based energy systems. He then described the demonstrators on the streets of Moscow "with banners saying "stop developing psychotronic weapons."

Moscow Rabochaya Truibuna 11-26-94. "But people at the time were most interested in microwave systems. ...However, the most important thing was deemed to be the psychotropic effect created by these systems under certain conditions. That was why they were officially called psychotropic rather than psychotronic weapons. It turned out that it was all a matter of frequency... Generally speaking, most readers are probably familiar with superhigh frequency radiation: Few people with a head cold or a sprain have not sat in a clinic between the two black plates of a "UHF generator." There are frequencies that are beneficial to people. But naturally there are also those which are hazardous. At certain frequencies (I think that only professionals are interested in knowing precisely which ones) microwave radiation creates that very same psychotropic effect. That is, it has a direct physical effect on the human brain."

"So a microwave system can easily be tuned into a psychotropic weapon--formidable in that it has a direct effect on the human brain...just by retuning the generator." Ptushenko stated, "The terrible danger of psychotropic weapons is the possibility of their simultaneously and unequivocally affecting large masses of people over huge areas." He writes "Moskovskiye Novosti, the Komsomolka, Golos, Moskovskiy, Komsomolets, and many other papers have been frantic to tell us all about "psychotronic" weapons (as if they had conspired!). " ...they are talking about something completely different: about hypnosis, "verbal zombification," the effect of ultrasound signals on the human subconscious (on the lines of Ilona Davydova). The subject of the articles is always associated with an acoustic address system. Involving suggestions, for instance i.e. verbal (oral) pressure on a person--albeit using inaudible ultrasonic frequencies."

Ptushenko then mentions Dr. Smirnov, the Russian psychiatrist who is famous for his mind control equipment, see 20+ section. "Smirnov has it that `psychotronics" are easily blocked-...But these childish tricks will not work with psychotropic weapons. It resembles the effect of a psychotropic drug, which is why the weapons were called psychotropic: An imbalance occurs, a fundamental change in a person's psyche, he loses self-control and becomes easily led, and his mind moves from the real world to a world of hallucination."

Ptushenko then distinguishes psychotropic drugs from psychotropic weapons.

"But there are fundamental differences between them. All pharmaceutical psychotropics are temporary-acting. While microwave radiation is variable: It can affect a person (or an Army) temporarily or possibly forever. It is all determined by the mix of frequency and the power of the radiation. These systems were called "psychotropic weapons" in official secret

documents 30 years ago. It was these systems that we began to appreciate in the sixties."

Ptushenko ends the article with a warning.

"They may quite well have actually been tested. It was not for nothing that at that time some graduates of the Moscow State University Biology Faculty were sent to Ministry of Radioelectronics Research Institutes... So let us leave the notorious science of psychotronics to the conscience of psychiatrists, psychics, and hypnotists. Nevertheless, faced with such a terrible danger as psychotropic weapons (and other kinds of space-based weapons), it is our duty to ensure that the development and operation of space based solar energy system receive popular and above all mass media scrutiny."

The above article describes the tremendous amount of information on psychotronics in Russian newspapers and agrees with the concerns of Lopatin and Tsygankov and the need to control these weapons. Ptushenko questions the psychotronic weapons school of thought and whether hypnosis will work on unwilling subjects. Hypnosis does work on unwilling subjects, see Dr. Schefflin's book "Mind Manipulators", 1978 and Dr. Colin Ross, "Bluebird", 2000. Both books document government involvement in hypnosis research and disinformation surrounding this issue. Ptushenko too questions the information available on psychotropic weapons claims concerning "hypnosis, `verbal zombification', the effect of ultrasound signals on the human subconscious..." Ptushenko states emphatically that psychotropic weapons,

"do not enable the individual human mind to be controlled in a precise and purposeful way. They simply "jam" any internal connections responsible for a person's self-control, and he becomes easily controllable "according to mob law" in line with commands from a space-based station. He can be controlled either from earth or from a command center lost in space."

These are considerable statements coming from a prominent space expert. Ptushenko has obviously given the matter serious consideration and believes that there are terrible dangers from psychotropic weapons and public debate is necessary. Further research is needed.

The following article written by Russian military experts discuss information warfare Lopatin extensively discussed the threat of information warfare in his book. In the U.S., the Learning Channel TV program "War 2020" produced by Beyond Productions in 1998 is a good representation of information warfare. The program included Dr. Persinger of Canada's Laurentian University and his discussion on magnetic signals and how signals could be beamed from television, microwave and telephone towers and systems to targeted populations for mind control purposes. The program narrator stated, "The ultimate weapon in the info war would be the human brain. ...Mind control will be the ultimate nonlethal weapon ." Mind control weapons are categorized as information and nonlethal weapons, according to these sources.

This article describes space weapons, including targeting of populations anywhere in the world with behavior control.

The article supplies details to prove that behavior control weapons are feasible, that the U.S. is concentrating research in this area and warns about possible American information and space warfare.

From: Moscow Armeyskiy Sbornik in Russian, Oct 96 No 10, pp 88-90, Article by Major General Valeriy Menshikov, doctor of technical sciences, and Colonel Boris Rodionov, "Along with ordinary wars, states have waged "information wars" since time immemorial, and are doing so now. But while previously they were given only an auxiliary role, lately their significance has grown immeasurably, and new technologies are "guilty" of this. Armeyskiy Sbornik regularly publishes articles on this topic. Today leading specialists of the RF Armed Forces tell about achievements in this area."

"The Teledesic Advanced low-altitude global satellite communications system is of special interest. It will have 15 times more satellites than Iridium--840. With other conditions being equal, the low orbit of small, lightweight craft (no more than 700 km) permits increasing the power of their radio emission on the Earth's surface 2,500 times or more and performing a wide range of military missions. It is unprecedented: the numerical size of the Iridium orbital grouping enables as a minimum simultaneously irradiating any point on Earth from two spacecraft. This provides double redundancy and increased reliability of communications, as for military systems. The band of radio-frequency emissions (20-30 GHz) also has not been used previously in commercial communications."

"An analysis of the enumerated features indicates that the Teledesic system can be used for irradiating ground, sea and airborne facilities with high-power modulated emissions, which in various automated control systems permits initiating computer viruses such as "sleepers," triggered by a special signal. This can become a real threat to security for countries whose command and control systems are oriented on foreign equipment."

"A psychophysical effect on people also is possible for the purpose of altering their behavior and even controlling the social aims of regional or even global sociums. Fantasy? But the fact is that today the United States is spending as much money on developing psychophysical weapons as on the most complex space programs, and such a correlation cannot be accidental. The Americans began such research back in the prewar period and continued it after the war within the scope of programs known as MC-Ultra mind control, MC-Delta--remote alteration of human behavior, and also Bluebeard and Artichoke. Such an effect also is possible via the mass media by creating special audio signals in music hits, key video images in television programs and so on. The Teledesic space system also can be used for this same purpose. Suffice it to recall numerous statements to courts by U.S. citizens that cellular communications is the cause of various ailments, including brain cancer. U.S. scientists from the National Cancer Institute and the Food and Drug Administration recommended limiting use of such communications systems. Similar effects also are possible from the new systems. True, for this the output of its satellites has to be increased a thousand times more than what was announced, but technically it is fully feasible."

"Thus, the new space systems are potentially dangerous from the aspect of unfolding a wide-scale "information war" and even creating a global systems for controlling people's

behavior in any region, city or locality, including one's own. A country possessing them will gain an enormous advantage."

The next two articles from China confirm that the Chinese military are aware of emr weapons. Research on infrasound began during the 60s and 70s in some major military countries and is capable of producing fear and hysteria and even mental illness, according to the first of two articles.

From: "New Weapons, Medical -Related Problems'. Beijing Remain Juny: (People's Military Surgeon) In Chinese Vol 40 No 9 Sept 97 pp. 587-588 Mori DocID: 587142

"New-concept weapons refer to weapons whose basic principles, construction and killing and wounding mechanism are entirely different form those of traditional-concept weapons. ..."

"Infrasound Weapons. Infrasound refers to sound waves with frequency lower than 20 Hz, which can cause malfunction of heart blood vessels, and of respiratory, digestive and central nerve systems, disorientation and emotional disorder. Take these infrasound functions as casualty factors and apply them to weapons systems, are called infrasound weapons."

"One kind of infrasound weapon, through bomb explosion, produces high-intensity infrasound wave impacting directly on human bodies. Another kind of infrasound weapon, installed and mounted on a vehicle, directionally radiates infrasound wave indirectly acting on human bodies with an effective distance reaching several hundred meters. When transmitted in water, air, or on ground, infrasound wave has the special features of slight attenuation, rapid speed, long effective distance, strong power of penetration, and being hard to defend and protect against."

"Some major military countries started research on infrasound weapons during 60's to 70's. Infrasound was proven capable of damaging human sensory and internal organs and disabling people. A small amount of output power can induce immeasurable fear and cause mass hysteria. A large amount of output power can cause unstable mental state and body malfunction, or even symptoms of mental disease. Infrasound can deal effectively with personnel in camouflage and battlefield equipment. An advanced infrasound generator targeting personnel has been designed and tested, with amount of energy of generated infrasound wave adjustable to cause personnel disorientation, nausea, vomiting, and incontinence. Research indicates that such reactions are temporary. Once wave generation stops, symptoms disappear with no lasting side effects."

"At present time, infrasound weapons are still at the stage of experimental research, with existing technical problems of miniaturization of weapon size. It is predicted that troops will not be equipped with infrasound weapons within fifteen years."

"....All main military major countries have engaged in research on microwave weapons, with rapid progress in recent years."

Continued in Mori DocID; 587142.

"5. Incoherent Light Source and Super-high Frequency Weapons. Study from experts in foreign armed forces think that bright incoherent light source can cause blindness and Super-high frequency weapons can interfere with human nervous system activities, temporarily disable people, cause unbearable noise and sense of whistling sound, or even damage nervous systems leading to death. The existing problems with these weapons are short launching effective distance, high cost and need for miniaturization of weapon size."

"...At present time, weapons generating interference and causing blindness have become practical to use. Foreign armed forces already have corresponding prevention and protection measures, standard, and diagnostic techniques, and have conducted further research. .Bijing Remain Junyi in Chinese --monthly journal of the PLA General Logistics Department Health Department, carrying many technical articles on military medicine..."

This article from China was important for it's statement on nonthermal effects of emr weapons being capable of producing psychological damage to personnel.

From "High-Energy Microwave Weapons, known as Superstars", Beijing Jiefangjun Bao Chinese 25 Dec. The following is supplied by the Publications Translation Section of the U.S. Consulate General in Hong Kong. Mri DocId: 587137.

"High-Power microwave beam energy technology has been utilized in developing weapons, and it is thereby that the high-power microwave frequency weapons have been produced. ... Its "non-thermal effects" can produce psychological damage to personnel and a decline in the functions of all sectors. Its "thermal effects" can produce scorching of human skin, cataracts in the eyes, and even fatal burns. This sort of weapon is characterized by a large target attack area and a long operating distance, and it is little affected by the weather. Military experts thus praise it as the "superstar" of directional weapons."

This last article is included because it is about the HAARP Project. Dr. Rosalie Bertell, (see Cahra website under `study') is a respected Canadian biometrics expert who led the Bhopal and Chernobyl Medical Commissions and "claims HAARP could disrupt human thought-processes." From British tabloid, The Big Issue, 10-2-2000, "Strike Force".

Also note the mention of the EU and Grattan Healy's work on HAARP issues in this article. Healy was instrumental in the 2000 EU resolution to ban weapons that `manipulate behavior'. See Cahra website International Campaign, under Progress.

The article states that medical emr research has been blocked by the HAARP Project patents, see last paragraph. This information supports the fact that emr athermal effects research in mainstream science is underfunded and suppressed in the US, (Reppert, AP, 1988) and is far behind the Russian emr research in the open literature. Given its value for weapons use and the fact that the military has developed their nonlethal emr weapons program for over 40 years, according to U.S.News, 1997, there are no doubt, beneficial uses

of emr that have been suppressed in the process.

Since Eastlund applied for the patents, all research in the area of electromagnetic energy-- for, say medical purposes-- has been blocked. As a result a vast and highly promising field of science and medicine has been monopolized by interests with ties to the US Army. (passage omitted)"

Here is the factfilled and revealing article in its entirety from the FBIS.

From Brussels Telemoustique in French 5 Nov 97 pp 40-43, "EU Worries Over US HAARP Project Noted, Mori DocID: 587140. Article by Alain Gossens: "Apocalypse Now? ` HAARP or How the US Military Is Playing the Sorcerer's Apprentice"

"Are the Americans currently developing a vast weapons system capable of scanning the entrails of the earth to seek out secret bases, jamming any form of radio communications, influencing human behavior, modifying the weather, zapping airplanes in the sky just like your microwave zaps your soup, and causing earthquakes or explosions as powerful as an atomic bomb? With " HAARP the US Army is reportedly reinventing, in a more economical and even more dangerous form, its defunct Star Wars Project. There is just one difference: This time it is a land-based installations."

"A number of scientists, weapons experts, and members of the European Parliament are concerned --and that is putting it mildly-- about the development of this project. This is why energy expert Grotan Healy, an adviser to members of parliament, is now collecting accusatory evidence of this Armageddon project. Magda Aelvoet, a Belgian member of the European Parliament and leader of the Green group in the European Parliament, is in charge of the dossier. She is the one responsible for officially following up the requests for explanations made by members of her group. She will take steps to ensure that the European Parliament exerts pressure, via NATO, to make the United States answer all the pertinent questions. As can be read in her interview, Magda Aelvoet is worried. She even goes so far as to say that, apart from the disastrous environmental consequences it could have, this kind of weapon (nonlethal weaponry) can jeopardize individual liberties and democracy." Nothing less.

"30\$ Million"

"HAARP stands for High-frequency Active Auroral Research (research in the area of high frequency applied to the aurora borealis). First of all, behind the somewhat esoteric initials lies a project costing \$30 million per year which the US Army is presenting as innocent research into the ionosphere. The project promoters are not sparing any effort or money in their public relations and advertising campaign. Never the less, if one is aware of the fact that the real sponsors are the Navy, the Air Force, and the Department of Defense, then it is hard to believe that it is not a project for military purposes."

"What does HAARP look like on the ground? It is a massive installation covering several hectares in Gkona, a small town northeast of Anchorage, Alaska. It is not that much a backwater since the installation lies alongside the immense gas and oil reserves belonging

to the Arco company, which also holds the patents on the technology comprising the HAARP and is the "cover financier" for the equipment. In addition, HAARP is linked to one of the world's most powerful computers, located in the University of Alaska's perimeter cleared of trees with 48 20-meter-high antennas, each linked to a transmitter of just under 1 million watts. In the long run, the number of antennas and the power of the transmitters will be set up in such a way as to achieve a phenomenal power of 1 billion watts transmitted by a network of 360 antennas. The transmitters are powered by six 3,600-hp turbines burning some 95 tonnes of diesel fuel every day. At this point, it should be noted that the entire installation is rather harmful to the immediate environment since it emits more than 7 tonnes of pollutants every day."

"What Is It Used For?"

"Officially, the scientists working on this megalomaniac transmitter want to study the ionosphere. Unofficially, HAARP will use the ionosphere, turning it into an energy weapon. The ionosphere is the layer located above the stratosphere and consists of highly energized ionized particles. It begins at an altitude of 48 km and ends at an altitude of 600 km above the Earth. This layer, with its high energy density, is crucial for our planet because it plays a key role as a shield, like the ozone layer. IT protects us from the Sun's harmful emissions. The ionosphere "captures" the electrically charged particles born out of solar and galactic "winds and storms." It is also known that the research carried out for the past century by a series of scientists has highlighted the fact that this "energy mantle" protecting the Earth could, using the right technology, become a strategic weapon of crucial importance."

"HAARP is based on the research of Bernard Eastlund, who was himself inspired by the work of Nikola Tesla, a Croatian scientist. (passage omitted)"

"Just under a century later, Bernard Eastlund simply adapted Tesla's initial work in the area of electromagnetic energy. Between 1987 and 1994 he applied for 12 patents, serving as the structure of the HAARP project and the weapons technology derived from it. The real owner and operator of these patents is no longer Eastlund (who ended up getting kicked off the project for obscure reasons), but the Atpl-Arco Company-- an oil consortium serving as a front for the Navy, Air Force, and US defense Department. Since Eastlund applied for the patents, all research in the area of electromagnetic energy--for, say medical purposes-- has been blocked. As a result a vast and highly promising field of science and medicine has been monopolized by interests with ties to the US Army. (passage omitted)"

Overall Conclusions

1. Beneficial medical research has been suppressed as a result of emr weapons development.
2. Military experts are discussing classified emr space weapons to control behavior because of the need for public accountability.
3. The information on mind control weapons is limited. All of the open sources state repetitive facts. The Soviets admit to athermal weapon effects and the existence of mind

control weapons. The U.S. position in all of the sources is that the Soviets have mind control technology. The U.S. admits to nothing else.

Short Comments

Dr. Stefan Possony was a Stanford Hoover Institute fellow and was called "the intellectual father of `Star Wars" and "one of the most influential civilian strategic planners in the Pentagon" (Guardian, 1995, obituary).

The following significant article was written by Dr. Possony, who was the founder of International Strategic Studies Association and former psychological warfare expert with the Office of Naval Research.

Dr. Possony was an influential scholar and public figure. He openly discussed Russian mind control and its importance as a weapon. In this article, he publicly asks the questions that few people `in the know' would ever dare to discuss in public. Dr. Possony asks his readers, "Who is so rash as to doubt that technological breakthroughs of this general type would not be put promptly to psyops use? More importantly who would seriously assume that such a technology would not be deployed to accomplish political and military surprise?" Given the history of the cold war, information on emr mind control weapons and the growing list of scientific and public figures seriously discussing emr mind control weapons, this article is a clear indicator of large, classified mind control programs in the east and west.

Dr. Possony describes the feasibility of communicating directly with the brain using emr and developing emr weapons.

Dr. Possony discussed the microwave bombardment of the Moscow Embassy and inferred that the State Department lied about athermal health effects from the microwave irradiation. Dr. Possony states that molecular vibrations caused by a stimulating extracellular electromagnetic field are non-linear and that this is the basis of new technology that will be extraordinarily significant in medicine, communications, intelligence and psychological operations and permit deliberate physiological impairment. Dr. Possony states that the "KGB is known to be interested in the program...and the USSR has a lead of approximately 25 years".

The science described in the article can be substantiated by the athermal weapons theory, the basis of the Pentagon's 1990s nonlethal emr weapons program. Looking back, the denials by the State Dept. about athermal emr health effects were lies for national security reasons, as Dr. Possony indicated. Looking back almost twenty years, Dr. Possony's article is too historically factually true to be propaganda or rumor. Given Dr. Possony's credentials, and the verified scientific facts regarding mind control weapons, this article is very serious and believable evidence. It is an extremely important point to emphasize as victims are constantly faced with denials that mind control technology exists, let alone the fact that it is developed as a weapon and tested illegally on people.

Here are a few highlights from the article.

Then the entire article, with its many research leads is presented in its entirety.

"Suppose it becomes feasible to affect brain cells by low frequency waves or beams, thereby altering psychological states, and making it possible to transmit suggestions and commands directly into the brain."

"A few years ago there was much excitement about the Soviet microwave "bombardment" of the US Embassy in Moscow. ...the KGB must have wished to harass US diplomats and cause them to worry about their health. This theory was never convincing."

"The question was raised whether the Soviets had discovered a technique of using microwaves for psychological purposes, and whether they were experimenting with this technique on US specialists on the USSR unwittingly pressed into Soviet service as guinea pigs. Impossible replied the State Department, the waves cannot break through the blood-brain barrier, and thermal effects are so negligible that the body would not be affected. Nevertheless, embassy personnel were indemnified for health damage."

"By 1979, it was known that electromagnetic fields raising body temperatures less than .1 degrees Celsius may result in somatic changes. It was most surprising that such a trivial temperature rise was having any effects, and even more astonishing that those effects were significant. Chemical, physiological and behavioral changes can occur within "windows" of frequency and energy continua. Another is at the level of the human electroencephalogram (EEG), which is in the range of extremely low radio and sound waves, around 20 Hertz."

Conclusions

1. Dr. Possony is an academic and public policy analyst who stands behind his statements. Dr. Possony stated scientific facts that have stood the test of time, that emr athermal effects are the scientific basis for mind control weapons. He also states that Russians are interested in mind control and challenges the reader to make the conclusions that will never be revealed given that mind control is a national security issue.

Here is the full article by Dr. Possony.

Possony, Stefan.(1983,July). Scientific Advances Hold Dramatic Prospects for Psy-Strat. Defense & Foreign Affairs. P.34.

Associate Editor Dr. Stefan Possony discusses how scientists are facing the prospect of messaging directly into a target mind. Whither psy-war?

The history of psyops technology is about 200 years old, and it will continue to progress. Hence it is most important to look into the future. It is no longer really difficult to send messages to the targets; that is, the persons who are to be influenced. The target cannot be reached if he is not interested in the originator, nor in his message, or if his interest is perfunctory. He is unattainable also if he is bored, and if he finds it more pleasurable to listen to competitors, who are multiplying.

The target cannot be persuaded to listen. It is the other way around; he may listen if he already is fully or partially persuaded, and if the program is attractive in addition to informative, and if it helps him in his activities.

Psyops technology is more or less in hand. Its better utilization is at present precluded in most instances by political ineptitude and by international opposition. The importance of better programming is recognized as a theory, but new ideas and fundamental improvements are rare. Hence success often is a matter of hit or miss. At this point, let us forget about history and current events, and let us resolutely turn to the future; I want to alert you that psyops technology may advance from communicating to direct signaling. Some developments in this regard are already taking place.

X-rays and gamma rays are located at the upper end portion of the electromagnetic energy frequency spectrum. What is at the lower end? The most important of all of nature's phenomena.

Suppose it becomes feasible to affect brain cells by low frequency waves or beams, thereby altering psychological states, and making it possible to transmit suggestions and commands directly into the brain.

Who is so rash as to doubt that technological breakthroughs of this general type would not be put promptly to psyops use? More importantly who would seriously assume that such a technology would not be deployed to accomplish political and military surprise?

A few years ago there was much excitement about the Soviet microwave "bombardment" of the US Embassy in Moscow. Why did the KGB, then under Yuri Andropov's leadership, embark on this seemingly scurrilous -- and very prolonged -- effort? There was no answer to this question, except that the KGB must have wished to harass US diplomats and cause them to worry about their health. This theory was never convincing.

The question was raised whether the Soviets had discovered a technique of using microwaves for psychological purposes, and whether they were experimenting with this technique on US specialists on the USSR, unwittingly pressed into Soviet service as guinea pigs.

Impossible, replied the State Department, the waves cannot break through the blood-brain barrier, and thermal effects are so negligible that the body would not be affected. Nevertheless, embassy personnel were indemnified for health damage.

By 1979, at the latest, it was known that electromagnetic fields raising body temperatures less than .1 degrees Celsius may result in somatic changes. It was most surprising that such a trivial temperature rise was having any effects, and even more astonishing that those effects were significant.

Chemical, physiological and behavioral changes can occur within "windows" of frequency and energy continua. One of those windows is connected with navigation in marine vertebrates and with biological rhythms of humans. Another is at the level of the human

electroencephalogram (EEG), which is in the range of extremely low radio and sound waves, around 20 Hertz.

Those findings remain unexplained. they seemed to require energy amplification of the initial stimulus by some 12 orders of magnitude. No such amplification was deemed to be feasible, and none was discovered.

Let us cut the story to the minimum. The original model, according to which the blood-brain barrier cannot be broken, was derived from the axiom that electromagnetic waves interact with tissue in a linear manner. However, it turned out that the molecular vibrations caused by a stimulating extracellular electromagnetic field are non-linear. Utterly unexpectedly, they take the form of soliton waves which can transfer energy along long molecular chains.

By 1982 the term "soliton" finally made it to the technical dictionaries. Here is a definition from the 1982 McGraw-Hill scientific-technical dictionary: "A soliton wave...propagates without dispersing its energy over larger and larger regions of space." As I understand it, it would be more correct to say: "A soliton wave propagates suddenly acquired energy, or energy imparted by shock, without dispersing it."

Significance? Extracellular disturbances such as acoustic or electromagnetic bursts can be propagated across the cell membrane. In this, non-linearities in molecular dynamics rather than chemical kinetics are the key. Put differently, the 12-magnitude energy deficit is overcome, not by brute force, but by the formation of solitons.

Visualize the brain and its environment as structures of waves, and assume that shock waves create solitons. Then imagine that modern electronics with their flexibility, accuracy and speed are put to work.

In addition, the range of resonances probably will be increased. Hence many frequencies, and several options for the transmission of energy across the membranes of brain cells may become available. This may imply that the brain cells will be reachable diversely and flexibly, and perhaps routinely.

The discovery of cross-membrane coupling may be compared to the discovery of oxygen in 1772, which allowed the proof that phlogiston, the supposed element of fire, does not exist. Once the phlogiston idea was buried, chemistry and the chemical industry began their triumphal march across the world.

The exploration of the cross-membrane phenomenon is only at the beginning, and it is not yet possible to anticipate practical applications. As of now a new phenomenon has been discovered, probably. Nothing is as yet known or is known publicly, on how the soliton can be aimed to produce desired effects. Only a hypothesis can be stated: If the phenomenon can be utilized, this will in due time have crucial bearing both on the body and on the brain, and on defense.

The theory of cross-coupling was formulated by A.S. Davydov who, it seems, published the

first purely theoretical version in 1976, and followed this up with a study on "Solitons as energy carriers in biological systems". By 1979 Davydov appeared to be linked to the Ukrainian Academy of Science.

It should be noted that Russian mathematicians were concerned with solitons before US scientists ever got interested. It is therefore conceivable that Davydov achieved his results long before publication, and also that the experiments which involved the US Embassy, produced findings which led to subsequent progress.

In the US, the pioneering work seems to have been done by Albert F. Lawrence and w. Ross Adey, writing in Neurological research, Volume 4, 1982. The Max Planck Institute for Biochemistry in Munich also discovered that cell membranes can be crossed. Eberhard Neumann and Guenther Gerisch found that a shock wave passing through an electric field may create ultra-quick processes within the membrane, and that through such "jumps in the field" (Feldsprünge: this probably means solitons) genes can be transmitted and cells fused.

There is a differential in the tension of the inner and outer membrane which averages $1/70,000$ of a volt. This corresponds to 70,000 volts per (theoretical) membrane thickness of one centimeter. (The real thickness of a membrane is 0.1×10^{-8} centimeter.)

The discovery was made unexpectedly in the course of research on electric fields in membranes and their impact on vital processes. This research requires measurements of events lasting not more than one nano-second (one billionth of a second), and it suggested that solitons generally increase the permeability of membranes. Thus, new perspectives on genetic "engineering" were suddenly opened. Moreover, it was possible to fuse no less than 50 cells into one supercell with 50 nuclei and one single membrane. We might as well forego assessing this monstrous novelty.

The Max Planck Institute broke into the membrane, so to speak, either without knowing about Davydov, Lawrence and Adey, or after learning about them while pursuing a different goal. In either event, a fundamental innovation, a breakthrough discovery or invention will be made several times, at different places, and by persons working independently from one another.

It is futile to speculate on who stands where in a race which has barely begun. But it can be postulated that the USSR probably has an ambitious research program, whereas in the US, while work is being done, no program --let alone a crash program--is in existence.

It is predictable that in the wake of Andropov's upgrading of psyops, the relevant programs in the USSR will be given an early and powerful boost.

Future psyops will have to be planned for perspectives which cannot be formulated before the US embarks on a major and totally novel research and development program. Meanwhile, it must be assumed that psyops will grow world wide, in strategic importance and in new forms.

The following report appeared in "Defense & Foreign Affairs Daily" on June 7, 1983:

On May 20, 1983 US newspapers printed an Associated Press story from the Veterans Hospital at Loma Linda, California that the Soviets developed a device, called Lida, to bombard human brains with radio waves. The radio beams are expected to serve as a substitute tranquilizers, and to treat sleeplessness, hypertension, and neurotic disturbances.

It is not yet determined whether Lida affects the immune and endocrine systems. Lida is reported to change behavior in animals. At the present, the device is on loan to Dr. Ross Adey, chief of research at Loma Linda. Adey started testing the machine three months ago, and hopes to complete his investigations within a year.

According to Dr. Adey, who repeatedly visited the USSR, the Soviets have used the machine on people since at least 1960. The machine is technically described as "a distant pulse treatment apparatus". It generates 40 megahertz radio waves which stimulate the brain's electromagnetic activity at substantially lower frequencies.

Dr. Adey was quoted as saying: "Some people theorize that the Soviets may be using an advanced version of the machine clandestinely to seek a change in behavior in the United States through signals beamed from the USSR." No reference was made to the protracted microwaves bombardment several years ago of the US Embassy in Moscow.

On April 29, 1983, Associate Editor Dr. Stefan Possony, addressing the Defense 83 meeting sponsored by Defense & Foreign Affairs, reported on Dr. Adey's work and on the work by Dr. A.S. Davydov of the Ukrainian Academy of Sciences. Davydov discovered how the blood-brain barrier can be penetrated by low frequency beams and directly affect cells in the brain. Possony's remarks were delivered to a panel studying psychological warfare. [Part of that paper is printed below--Ed.]

In the US research on direct brain waves has scarcely begun, and the USSR has a lead of approximately 25 years. Once it is matured the new technology will be extraordinarily significant in medicine. It also may have major impacts on communications, intelligence, and psychological operations, and permit deliberate physiological impairment.

The KGB is known to be interested in the program. It is not known whether the US and other Governments are trying to determine whether their countries have become targets of clandestine brain waves beamed from the USSR. Nor are there indications that work on countermeasures is being contemplated, except perhaps in the USSR.

"Opening Pandora's Box"

"Opening Pandora's Box", 1984, produced by David Jones for Fulcrum Central Productions, aired on BBC Channel 4. This is a summary of main points of an exceptionally insightful and succinct documentary, not a verbatim account. Many thanks to Harlan Girard for finding a copy of this video.

Project Pandora: The U.S. government explores whether the Soviets are using emr as a weapon

The Soviets started bombarding the American Embassy in Moscow in 1953 and the U.S. government funded Project Pandora to find out why. Project Pandora was "a top secret multimillion dollar program". Top scientific experts were consulted by the American Government "about the meaning of microwaving" of the Moscow Embassy. "Five presidents kept it secret". President Johnson complained to the Soviet Premier Kosygin who claimed that he was unaware of the signal and would be sure that it was turned off. Officially the Soviets did not admit that they were microwaving the Embassy. But the bombardment of the Moscow Embassy continued. It began in 1953 and in 1975 the signals changed. Two new transmitters were added by the Soviets.

Dr. Robert Becker was an eminent scientist and was asked if central nervous system, CNS disturbances occur by microwave radiation. The Pandora Project found that the microwave radiation interferes with decision making capacity, causes chronic stress and low efficiency. The white blood count of Embassy workers was 40% higher than normal. Monkeys exposed to microwave radiation showed a marked decreased performance of simple tasks. Making embassy personnel function less efficiently would obviously be a benefit to the Soviets.

Dr. Becker stated that the U.S. couldn't say anything about it because safety standards for the U.S. were higher than the microwave signals used by the Soviets on the Moscow Embassy. He stated that you do affect cns (central nervous system) by microwave exposure. But if the U.S. admitted bioeffects or athermal effects, meaning not heating effects as from a microwave oven, but other biological effects from the radiation, such as a high white blood count, it would throw into doubt the U.S. standard set "rather arbitrarily" in the 1950s. It would be an embarrassment to the Americans who chose to keep the public in the dark about the microwaving of the Moscow Embassy from 1953 to 1975.

Aluminum screens were put on the Embassy windows so the U.S. government had to discuss the irradiation with the employees. The U.S. public position was that there were "no hazardous levels" of microwaves being irradiated at the Embassy by the Soviets. Questions were raised and complaints made by employees in 1975. At that time, the U.S. State Department consistently lied to Embassy employees and Henry Kissinger replied with a homily about national security and trust and confidence among government employees.

Brief history of U.S./Soviet safety standards set for emr

The safety standards for electromagnetic radiation, emr, were set higher in the 1950s to allow the military to have unlimited use of emr technology. At the time, American science reports suggesting emr health effects of brain tumors, heart conditions, leukemia, cataracts and more, were ignored. The military was a major source of funding and reports were not followed up. The government safety levels for emr were challenged in courts all around the world. Microwave News, a journal on nonionizing radiation, for example, reported that radar men opposed microwave tower emr health dangers. Air traffic controllers and police officers filed complaints. These court cases revolved around the validity of the safety standard. Dr. Milton Zaret, another Pandora scientist explained that most government

committees who set the safety standards around the world were set up the in the same way as in the U.S.. Members of the committee did not want to impede or put restraints on progress by tightening the safety standards for emr.

Joe Towne, who repaired radar on spy planes filed a lawsuit against Lockheed for health damages from the radar, for eye damage, cataracts and two heart attacks. Twenty five flyers also sued and won out of court settlements. Towne's case was settled out of court for 75,000\$. There was no admission of guilt by Lockheed.

Meanwhile, in October 1982, members of the radar industry met in a Hot Springs, Virginia resort in secret for three days and talked about how to stop the steadily increasing injury claims of service men.

As part of Project Pandora, the U.S. government conducted Operation Big Boy on Navy ships to find any health effects from radar equipment on the ships. Although effects were found, the government terminated the project.

Dr. Becker stated that there was tremendous growth of the communications and power industries and a complete lack of information or even consideration of emr health risks. Industry didn't consider bioeffects of emr until the mid seventies. There was a "complete lack of consideration" of any biological effects from electromagnetic radiation and the repeated dogma was there are "no possible biological effects."

Then there were concerns over complaints and the subsequent study results on computer VDTs and miscarriages and birth defects and powerline exposure and leukemia in adults and children living near them. Studies reported a high incidences of suicide in people living near power lines. Other studies reported that electrical workers were at risk for leukemia. Meanwhile, the U.S. standard had been virtually unchanged since the 1950s.

The Soviet standard was 1000 times lower than the U.S position and their armed forces were exempt from the Soviet standard. The Soviets were aware of biological effects of emr in the 1950s. For example, the top Chech scientist, Dr. Karl Mahra defected to the U.S. in the 1970s. In 1958, he had discovered rats killed by pulsed emr only showed spleen damage when they were autopsied. Dr. Mahra was amazed that other rats recovered fully when exposed for an astonishingly slightly lesser amount of time than the rats who died. Dr. Mahra discovered that the rats did not die of thermal effects of emr but of the athermal emr effects. Dr. Mahra devoted a lifetime of study to the nonthermal biological effects from pulsed emr exposure.

The Controversy over Nonthermal Effects of EMR

Nonthermal effects of emr used as psychological and biological weapons by U.S./Soviets

There is a 1976 Soviet document which stated that microwaves could cause seizures in animals. [See 20+ section for newspaper articles on the document] [A microwave frequency] could be found in human beings, to disorientate a person and a specific frequency could cause a heart attack.

David Jones stated, "Recent intelligence reports say the American army is developing emr weapons programs and predict by year 2000 armies could use them. There will be microwave weapons to disorient and immobilize opposing troops. Psychological attack is particularly effective on air pilots. There is no doubt about the potential of emr [weapons] in the Soviet Union."

Nonthermal emr effects controversy is born. U.S denies effects, Soviets disagree

Dr. Becker commented that the U.S. safety standard presented a dilemma for U.S. military planners. Dr. Becker explained that the problem was that the U.S. population was currently being exposed to the same athermal effects level of emr that the U.S military was using to develop classified emr weapons. This athermal level of radiation is not biologically active, according to the U.S. safety standard. But the dilemma was, how could the U.S. government develop an emr weapon system based on the athermal effects of emr when currently allowing exposure of their own people to the same athermal effects level of emr in their environment from TV and radio towers and microwave ovens, for example? It was a conundrum.

Dr. Becker stated, "A good,...the best cover story is that, based on best American scientist's [opinions],.... the [U.S.] nation has discarded [the theory of athermal] health effects from emr, entirely."

David Jones asked Dr. Koslov; "In terms of science there seems to be two possibilities, one is that behavior and health are affected by emr and the second is the creation of a new genre of weapons and that its conceivable that it is a totally black area of research. Dr. Koslov replied that back in 1965, there was alot of conjecture and hypothesis about that. That's why it led to Project Pandora. Since then, I don't think there is very much possibility, that there is, at this point in time, there doesn't seem to be.

Dr. Sam Koslov, director of Project Pandora continued, [We] thought about it, don't get me wrong,... but nothing was found, it doesn't look like[there is]...militarily at this time, there is no emr weapons potential. There is nothing to the biological effects claim. There is an amount of power problem."

David Jones asked Dr. Koslov why he thought that the Soviets were microwaving the Embassy. Dr. Koslov replied that "I would rather not discuss it [because] it would get into security areas."

[Today, with the nonlethal program unveiled in the 1990s and the Soviet evidence of emr nonthermal effects available today, it is clear that Dr. Koslov was lying in the name of national security. At the least, Dr. Koslov would have been aware of the classified emr nonlethal program which began in the 1960s, see US News, 1997)]

The 1950s, the Lida Machine and Korean Brainwashing

In the 1950s, intelligence agencies were interested in changing mental states. The theory is that brain waves can be tuned to a different emr frequency and can change moods and

character. The CIA sponsored LSD experiments and the MKUltra Project for 10 million dollars in the early 1960s. A CIA memo stated that they were looking for behavior control to enhance consciousness. The Soviets had realized the same thing. Dr. Ross Adey, famous emr researcher at Loma Linda Veterans Hospital, examined the Lida machine, from the Soviet Union. It was described as a machine to "rearrange consciousness". The Russians claimed to use it for treatment of emotional disorders in the 1950s. Dr. Adey stated that the Lida machine is now obsolete. It used coiled wire inside ear muffs which acted like an antenna and emitted 1/10 sec pulses of emr. Dr. Adey demonstrated that excited animals rapidly quiet down when exposed to the Lida emr frequencies. There was one account that the Lida machine was used during the Korean War for brainwashing American Prisoners.

Since the Korean war, the art of brainwashing has improved significantly, says David Jones

Dr. Becker was asked by the CIA in early 60s to determine whether pilots shot down and captured by Soviets in the 1960s could possibly have been exposed to emr without them realizing it and would that have caused personality change. The pilots were tested psychologically before and when they came home. A dramatic change in test results was found. The question posed was, can you change, entrain brainwaves with an external source? "Pilots did not report bad treatment and were not aware of any emr exposure by Soviets during debriefing sessions." They were interned by the Soviets for two to six week and returned with "considerable personality alterations". The CIA wanted to know if there was a relationship between the Moscow Embassy and flight crews that would cause personality alteration? Dr. Becker stated "yes, there is a distinct possibility, we don't know at this time for sure."

Dr. Robert Beck's (not the same person as Dr. Robert Becker) classified experiments of behavior effects of emr on human subjects for weapons use.

The mechanics of this source of personality change (Dr. Becker's pilot study above) "fell into an area of science shrouded in the greatest of secrecy". "It is at the center of mind control programs in both the east and west." Dr. Robert Beck, an electronics engineer, is one former member of an elite corp of scientists recruited by his government to work in this area. His published work talks of "specific frequencies that cause anxiety, fear, confusion". His unpublished work include "bizarre experiments in which would disorientate other scientists and is said to include changing moods from elation to depression. He described an experiment in which electromagnetic pulses emitted from a device that looked like a wristwatch caused other diners in a restaurant to talk more loudly or quietly, depending on the em pulse emitted by the wristwatch device."

"What is technically possible?" asks David Jones. "There, I would rather not discuss some of the work that I've seen. It has been done, replicated. Replicated experiments simply done. That subject is totally dark. I've done some of that myself and I'll never do it again. There is no mystery to it. There are ethical considerations. It's part of the physical universe. Changing people's behavior by low levels [of emr], that subject is totally dark."

Dr. Beck continued, "It's possible to replicate experiments, simply, I don't approve of it, a tool to manipulate. But moral considerations are invariably not considered by

governments. The Soviets are ahead [in emr research]."

David Jones asked, "As far as affecting human behavior, what is possible? Dr. Beck said, "It's possible, it's been replicated. It's a dark area of research."

The Moscow microwave bombardment is a prototype weapon of the 1977 Soviet Woodpecker Emr signal: Soviet emr weapons go public

Dr. Beck stated, "[the 1976] Russian woodpecker signal is the most powerful man made emr source ever. 10 pulses per second, 40 million watts per pulse, it is psycho active." It is generated in the Soviet Union and permeates everything in the U.S.. It was picked up by power grids and irradiated into homes."

The question is why are the Russians doing this? Dr. Becker said that there are three theories. First, that the Woodpecker signal is an over the horizon radar. No, Dr. Becker stated that a satellite is better available surveillance. Second, the woodpecker signal is for submarine communication. Dr. Becker could not answer that. Third, that the Russian woodpecker is biologically active and will have an effect on populations in U.S. and Canada. In 1976, the Soviets increased the signals and now have seven transmitters. "They are the most expensive and powerful in the world." "Dr. Becker said there are persistent rumors that the U.S. is doing the same to the Soviet Union, powerful U.S. transmitters beaming 16 cycles per second to produce the same effect as the Soviets, into the Soviet Union.' "We are in the middle of electronic warfare aimed at citizens of both countries."

The Woodpecker has been beamed for six to seven years and can't be heard in Soviet Union but can be heard in Britain, Western Europe, Australia and Far East. Dr. Beck, [the electronic engineer] stated that the magnetic component can penetrate anything. "We have decoded intelligence on the signal. The 10 Hz signal is a benign frequency and we know it can be psycho active. 30% of the population will exhibit neuronal manifestations. Soviet scientists know about psychoactive effects in animals. Soviet scientists knew well before 1950s. The Soviets published research on long term effects of microwaves, extreme fatigue, loss of coordination and sensory control. A group in American Intelligence believed that one can alter brainwaves of staff of Moscow Employees and the Moscow signal was a prototype of the Russian Woodpecker."

Dr. Beck continued, "If you drop frequency down a few hertz, it is known to be neuronally psychoactive and you could have basket cases. [This is] more terrifying and frightening than the atomic bomb. It's a brand new concept, we haven't adapted to this concept. Having done a number of experiments, one can't imagine the destructive power of these things. There were no National Institute of Health, NIH guidelines in the experiments I conducted. I know what some of these things can do to the nervous system. Most wars are fought over real estate. [It will be] better to use psyop weapons than atomic bombs- alot cleaner, more terrain left, it could just kill people. There is no defense that I know of."

Twenty years later: Passage of time reveals cold war secrets

Nonthermal effects of emr were used as a basis for weapons and is a national security issue

The main point of this documentary for victims is that the controversy over athermal effects of emr is described as a national security issue by top emr scientists such as Dr. Becker, Dr. Beck and Dr. Zaret, all of whom were consulted by the CIA about the irradiation of the Moscow Embassy. While the emr related industries and the military wanted to avoid lawsuits and have unlimited development of emr technology, that does not fully explain why the U.S. used the athermal controversy as a national security cover story for fifty years.

U.S. cover story of no provable athermal effects can no longer be credibly maintained by U.S.

In the 1990s, the nonlethal emr weapons program based in part on athermal effects of emr was unveiled by the Pentagon, (US News, 1997). The U.S. cover story can no longer be credibly maintained. With the U.N. documents, the 20+ Russian articles and the Lopatin book, Dr. Becker's theory of a classified U.S. emr mind control weapons program is now well supported. The 1979 UN Russian documents state that athermal effects are used for developing weapons. The 20+ articles discuss emr mind control weapons after the break up of the Soviet Union and Lopatin is a very high Russian government official who has advocated banning mind control weapons in Russia for the last ten years.

According to Dr. Becker, consultant to the CIA in the early 1960s, the Soviets irradiated the Moscow Embassy and U.S citizens with the Woodpecker signal at great cost and for decades. See 1988 AP article which states that microwave bombardment of Moscow Embassy and the Russian Woodpecker signals were being irradiated as of 1988. In "Opening Pandora's Box", Dr. Becker discussed the U.S. public silence about the Soviet irradiations and the rumored U.S. efforts at irradiation of the Soviet Union. Dr. Becker described these aggressive acts by the Soviets and the U.S. as an electronic war on the citizens of both countries.

In addition, the Harlan Girard articles from Russia and China on emr nonlethal weapons is further support of the fact that athermal effects of emr are the basis for nonlethal weapons. Now there is enough evidence to refute the U.S. position that there are `no provable nonthermal biological effects from emr.

U.S. government knew of athermal emr effects at least in the 1960s

Now it can be proven; the U.S. knew of the biological athermal effects of emr at least in the 1960s, when the secret Pandora Project began (see Brodeur, Zapping of America, 1977). For further evidence of the U.S. knowledge of athermal effects, see also the thorough and well documented history of this period, written in "Electromagnetic Man" by Cyril Smith, 1989 and "Body Electric" by Dr. Becker and Gary Selden, 1985.

The U.S. made the decision to risk the health of U.S. citizens rather than to deal with the situation in another way. The U.S. did not lower the emr safety level even though they knew athermal health effects were confirmed at this time. Rather, the U.S. government perpetuated the dogma. In the mid 70s, Kissinger and the State Department held that there were no health risks from emr exposure at the Moscow Embassy. Apparently, to the

U.S. government, the national security issue was more important than the health of its citizens.

U.S. government is on the record for lying about scientific facts in the name of national security and risking the health of U.S. citizens

By basing the U.S. safety standard for emr exposure on politics rather than scientific evidence, the U.S. government knowingly risked the health of U.S. citizens. The U.S. government is on the record for lying about scientific facts in the name of national security.

Evidence supports a 'Manhattan Project' mind control program based on emr athermal effects

Scientific evidence

A serious problem for validating the claims of victims of government mind control experiments is that even today the general public does not know of the little publicized athermal emr effects controversy or mind control weapons. The good news is that it does not take a rocket scientist to put the facts together because after fifty years, the motives and actions of the military becomes clear. Dr. Becker was right. Echoing Dr. Becker twenty years later, Dr. Louis Slesin, Microwave News editor was quoted in U.S. News, 7-7-97 article entitled "Wonder Weapons". "...the human body is essentially an electrochemical system, and devices that disrupt the electrical impulses of the nervous system can affect behavior and body functions. But these programs- particularly these involving antipersonnel research- are so well guarded that details are scarce. "People [in the military] go silent on this issue ...more than any other issue. People just do not want to talk about this." Based on Dr. Becker and Dr. Slesin's comments, there was and is a classified nonlethal weapons program that targets the brain with emr. The U.S. News article clearly states that athermal effects of emr are the basis of the nonlethal weapons. "...scientists, aided by government research on the "bioeffects" of beamed energy, are searching the electromagnetic and sonic spectrums for wavelengths that can affect human behavior."

The argument can now move to the extent that athermal biological emr weapon effects are capable of controlling the human body and behavior.

The extent of the mind control arsenals may be less difficult to prove than the athermal controversy because there is no need to wait fifty years for unclassified historical evidence. The U.S. or Russian government will never admit to classified mind control weapons, therefore one way of answering this is through open literature theories on neurology. The athermal effects of emr the biological basis for brain function is described in current neurology research. Refer to Cahra website, "As Powerful as the Atomic Bomb for citations, www.dcn.davis.ca.us/~welsh.

Thanks to mind control researcher Margo Cherney, here is one stunning example of many available examples to support the theory that mind control weapons are extremely advanced. Note the cover story that the Soviets have mind control research, that brain research for weapons purposes is classified and that emr athermal effects are the basis of

the brain weapons. The stunning information is that the government is funding research to produce a device that can "inject information into the brain via electromagnetic waves".

U.S. News, 1-3-2000. John Norseen. Reading-and changing-your mind. Rodolfo Llina's. A grand unification theory of the brain.

[Lockheed Martin neuroengineer in Intelligent Systems Division] Norseen's interest in the brain stems from a Soviet book he read in the mid-1980s, claiming that research on the mind would revolutionize the military and society at large. [He] coined the term "Biofusion" to cover his plans to map and manipulate [the brain] leading to advances in ... national security... and ...would be able to convert thoughts into computer commands by deciphering the brain's electrical activity. BioFusion would reveal the fingerprints of the brain by using mathematical models, [Smirnov's computer program uses mathematical models also]. It sound crazy,...The National Aeronautics and Space Administration, the Defense Advanced Research Projects Agency, ...have all awarded...research contracts to Norseen. Norseen is waiting to hear if the second stage of these contracts-portions of them classified- comes through. Norseen's theories are grounded in current science. ...By MRI, scientists can tell what the person was doing at the time of the recording...Emotions from love to hate can be recognized from the brain's electrical activity. ...Norseen predicts profiling by brain print will be in place by 2005. ...Norseen would like to draw upon Russian brain-mimicking software and American brain -mapping breakthroughs to allow that communication to take place in a less invasive way. A modified helmet could record a pilot's brainwaves. "When you say right 090 degrees...the computer would see that electrical pattern in the brain and turn the plane 090 degrees. If the pilot misheard instructions to turn 090 degrees and was thinking "080 degrees," the helmet would detect the error, then inject the right number via electromagnetic waves."

U.S. News, 1-3-2000. Rodolfo Llina's. A grand unification theory of the brain.

Dr. Rodolfo Llinas, New York University of Medicine, "believes consciousness has to do with timing, and the thalamus-rather than being a mere relay station-also functions as the brain's clock. Using an instrument called a magnetoencephalograph, or MEG-a technology Llinas helped develop-he has been studying the brain's electromagnetic waves. What he has found in broad paraphrase is that the thalamus is in constant dialogue with the brain's higher processing centers: An electromagnetic loop sends pulses from the thalamus to the cortex, but the different sensory centers of the brain also message the thalamus in return. Consciousness exists when these oscillations are in sync-pulsing at the same rate--so smells, sounds, and so forth assemble in a kind of electromagnetic symphony. ...If the theory holds up to future testing, it would point toward the possibility ...implants-neurological pacemakers-to correct the out-of-wack timing of the thalamic messaging system. Preliminary clinical work has already demonstrated the therapeutic value of thalamic stimulation in treating Parkinson's disease and depression.

Historical evidence

According to Dr. Becker, great efforts were expended by the U.S. to cover up the emr nonthermal effects while the Soviets expended huge sums of money and time targeting the

Moscow Embassy with microwaves. The Russians also targeted the United States with the Russian Woodpecker signal. Dr. Becker stated that there were persistent rumors of U.S. beaming a signal over the USSR.

The Russians publicly denied the microwave bombardment and the official, transparent reason for the Russian Woodpecker signal was an over-the-horizon radar. An electronic battle of emr signals which targeted the citizens of both countries was raging without their knowledge while the U.S. remained silent and the Russians publicly asserted athermal effects of emr in UN documents and scientific literature in order to embarrass the U.S. government. Fifty years later, the Russians finally succeeded in their attempts to ruin the credibility of the Americans over the athermal controversy. But most U.S. and Russian citizens are unaware of this fact because the military and the cell phone industry still use the standard to avoid lawsuits and use emr based technology that could be limited if a more stringent standard were in place. Therefore the athermal argument is rarely publicized.

In 1984, Dr. Koslov, director of Project Pandora stated that there were no military weapons programs based on the athermal effects of emr. Then in the early 1990s, The U.S. unveiled the nonlethal emr weapons program. Dr. Koslov had to be lying, since U.S. News, 1997 reported that the nonlethal weapons programs had begun over 40 years ago. Since the break up of the Soviet Union, Russian public figures such as Lopatin, scientists such as Tsygankov and military experts are publicly discussing mind control weapons as a very serious threat. Now, in Russian and U.S. newspaper accounts, the symptoms of independent reports from U.S and Russian alleged victims of illegal experiments are being compared and match up. Hundreds of victims worldwide describe an illegal global experimentation program using an array of highly developed and powerful mind control technology.

The U.S. government is on the record for lying about this issue. The cell phone industry is on the record for upholding the athermal effects theory. The motives of money and national security are clear. Fifty years later, the truth is out. Given the body of evidence in this compilation, it is logical to conclude that there is a mind control program more secret than the Manhattan Project, as Dr. Becker theorized and that brain function is based on an athermal emr biological effects. Given the motive of national security, it is hard not to believe that very sophisticated technology has been developed to control the mind, comparable to the atomic bomb.

An Electronic War starting with the Moscow Embassy: Serious Implications for the World

Dr. Becker described the microwave bombardment of the U.S Moscow embassy for over 20 years and the Russian Woodpecker Signal for over 10 years as an electronic war on the citizens of both Russia and the U.S. See 1988 AP article which states that microwave bombardment of Moscow Embassy and the Russian Woodpecker signals were being irradiated as of 1988. Given Dr. Becker's discussion of U.S. pilots and their behavioral changes after being shot down by the Russians, there is no doubt many more electronic battles that are entirely out of the public view. Dr. Michael Persinger was featured on the 1998 Learning Channel, War 2020 program describing emr mind control possibilities. The announcer stated that the next war may be won without so much as a shot being fired or

even a whimper. By putting the evidence together, a picture emerges of governments who ignore human rights, cover up criminal acts and conduct battles out of the public eye. Dr. Becker stated in his 1991 book, "Crosscurrents", that it may be too late. Besides the need to stop illegal government electromagnetic weapons experiments, it is important to educate the public because of the far-reaching global effects surrounding this issue.

HAARP, the U.S. transmitter of the 1990s, EU experts fear a vast weapons system capable of modifying the weather, influencing human behavior and more.

The article, "Apocalypse Now? HAARP or How the US Military is Playing the Sorcerer's Apprentices", by Alain Gossens, Bussels Telemoustique, 22-5-97 was translated by FBIS from french,(see foia section for whole article). The article describes the controversy surrounding the HAARP project. "Unofficially, HAARP will use the ionosphere, turning it into an energy weapon." Similar to the Moscow Embassy microwave bombardment and the Russian Woodpecker, the public is never told what is really going on. It is difficult to not believe that these are powerful weapons because both countries continue for decades to develop them. According to Dr. Becker and now other experts such as Dr. Bertell, (see foia section, last article) and the numerous articles on HAARP, there is a scientific basis for mind control.

Here is an article to show how the health standards for electromagnetic controversy continues.

March/April 2001

Views on the News: Weapons Development and Public Health Should Not Mix

The Pentagon's new microwave weapon has been brought to you by the U.S. Air Force and Raytheon. These are the same organizations that control the IEEE's SCC-28 committee that writes the standard for exposures to RF and microwaves.

Dr. John Osepchuk, the chair of SCC-28, worked for Raytheon for most of his professional career. And three of the other five members of the SCC-28 executive committee work either at Brooks Air Force Base or for Raytheon.

In the 1980s, during the last major revision of the IEEE standard, Osepchuk was among those who argued for doubling the limit, from 5 to 10 mW/cm², for frequencies above 3 GHz (see MWN,J/A86). The rationale -which we never understood- was to make it consistent with the infrared standard all the way up at 300 GHz. This change, though challenged, was adopted.

At the time it appeared to be somewhat of an academic concern, given the paucity of radiation sources above 30 GHz. But few were privy to the designs of military contractors. The loosening of the IEEE standard must have facilitated the development of the military's new zapper at 95 GHz.

It seems obvious, but it's worth repeating: Health standards should be written by medical and public health professionals, not those who make weapons for the military-industrial complex.

2000 Video by Council on Wireless Technology Impacts, "Public Exposure" More evidence of the athermal emr health effects controversy

Thanks goes to Betsy Manning a behind -the-scenes mind control researcher who is always coming up with new leads. Betsy found this excellent 2000 video, "Public Exposure, DNA, Democracy and the Wireless Revolution" by the Council on Wireless Technology Impacts, (website at www.ccwti.org. A website link provided ordering information on the book "The Electric Wilderness" by biophysicist Andrew Marino and Joel Ray, forward by Dr. Robert Becker, San Francisco Press, 1986. The book details the 25 year battle over emf effects and the politics of science in the four year New York State hearing on a 765 TV power line, 1974-1978.)

This video exposes emr industry abuses similar to the tobacco industry. For example, the cell phone industry has billions of dollars at stake and this is the explanation for the industry's complete lack of concern for the health of consumers. Marin's rate of breast cancer is the highest in the world, (Northern California Cancer Center, 1995) and this motivated the Marin Breast Cancer Watch to sponsor an epidemiology study to see if there is an association between and reported cancer cases and cell phone towers, military radar and other sources of emr. There is a study by another group to determine if there is a connection between emr exposure and the 300% increase in brain tumors worldwide.

Explosion of EMR sources in last hundred years

The video began with the fact that in the last one hundred years, exposure to emr has increased 10,000 times. "Human cells of the body are like antennas; they receive and emit emr and are extremely sensitive " The video continued with a short history on the explosion of emr development, beginning with WWII. Military personnel such as radar workers experienced abnormalities in blood count, mutation, headaches and cataracts. This data was ignored by the U.S. government mainly because there was a war.

Dr. John Goldsmith, an epidemiologist from Israel described the Soviet microwave bombardment of the Moscow Embassy from 1953 to 1976. He said the that the Soviets could have been trying to produce radio frequency sickness in the U.S. embassy staff by causing interference with the "ability to think, to concentrate and to sleep". The Soviets conducted scientific studies of workers who were exposed to emr emissions in the 1940s and 1950s and found detrimental health effects such as the above. The Soviets called the set of symptoms `Radiofrequency sickness syndrome'. Dr. Goldsmith believed that the Soviets were experimenting and testing radio frequency radiation as a weapon. The U.S. government's epidemiologist documented high white blood counts, leukemia in two of the Ambassadors and other health problems in the embassy employees. Then the U.S. government ignored the findings.

The wireless revolution now continues with the fast growing cell phone market worldwide. The Council on Wireless Technology Impacts asked the question, what are the environmental effects of the wireless revolution?

How the U.S. safety limit for emr exposure puts the U.S public health at risk.

The next segment was filmed at an April 2000 California Senate hearing sponsored by Senator Tom Hayden on cell phone safety. The U.S. safety limit does not take into account athermal health effects of emr which are occurring below the U.S. safety level. The cell phone industry completely disregards scientific studies of cell phone emission levels falling below the government safety standard. Cell phones are placed on the market as a safe product when in reality there may be health risks from their use.

Cindy Sage, a California environmental policy consultant explained that reliable studies show detrimental health effects from exposure to radio frequencies way below the safety standard set by the U.S. government. The cell phone industry spokesman testified at the California Senate hearing that the cell phone industry was in compliance with FCC and other government standards and there were no health risks associated with cell phone use. But using a chart, Cindy Sage explained that the cell phone industry claim did not include research of cell phone emissions in the nonthermal range, which is below the safety level established by the FCC. This is the cause of the controversy.

Dr. Jerry Phillips, Research Biochemist, Colorado testified that Motorola was suppressing research. Dr. Phillip's research for Motorola found DNA damage associated with cell phone emission levels. He also stated that the brain was exquisitely sensitive to RFR or radio frequency radiation. Motorola was not happy with the results and told Dr. Phillips how to write abstracts, conduct his work and finally urged him not to publish. Dr. Phillips published the study in 1998.

Now Dr. Phillips recommends caution because no money is available for research except from the cell phone industry. He has no faith in their results. The cell phone industry earned \$20 billion in 1996 and \$475 billion in 2000. Senator Hayden commented that the "buying of science" was what caused him the greatest concern. He had a strong opinion for the "corrupting influence of money on science". Hayden stated that the FDA have not been able to scientifically certify cell phone technology as safe or not safe and therefore, he urges caution.

Analogy to tobacco industry and health risks of smoking

California Senator Tom Hayden stated that an association between the exposure to emr from cell phones and the risk of detrimental health effects is established. A direct cause and effect, as in scientific proof has not been established but like the 'cigarettes do not cause cancer' scientific controversy, there is enough proof to warrant a warning to the public.

Cindy Sage described three levels of proof, the scientific level of proof, which is the highest level, almost 100%, the legal standard of proof, or 51%, the more probable than not standard and the environmental law standard, in the 10 to 30% range. Ms. Sage stated that the environmental law standard is the level at which public decision making on environmental issues takes place, i.e., at the potential level for a significant impact. Ms. Sage believes that the emr controversy should be judged by the environmental law standard of proof and she mentioned the California Environmental Quality Act. [Note, I took an environmental law class in summer 2001 and the 2001 environmental law text book listed emr under toxic substances and described it as a controversial topic.]

Business tactics include conscious disregard for health risks of consumer products.

Science author B. Blake Levitt wrote "Electromagnetic Fields", 1995 and stated that the cell phone industry "cynically knows" it will take twenty years for scientific evidence to prove damaging health effects from cell phone emr exposure. Brain tumors are beginning to show up in cell phone users. It will probably take ten to fifteen years for brain cancer to show up in people who live near cell towers. It will take two years to gather data, three years for peer review and four years to end up in journals. In the meantime, billions of dollars are pocketed by the cell phone industry. This is similar to the business tactics of the tobacco companies in which many smokers died of lung cancer, while the companies suppressed clear scientific evidence of an association of health risks to smoking and also the addictive qualities of nicotine in cigarettes. The emr controversy is following the same pattern. Two brain tumor victims whose emr exposures occurred in the cell phone industry were interviewed.

Telecommunications Act bars consideration of health factors in local government decisions on cell tower location.

Another highlight in this video were the protest marches around the country against section 704 of the Telecommunications Act of 1996. Linda Evans, TV star of "Dallas" explained. Section 704 states that local governments are banned from taking into consideration the health effects of microwave, TV, radio and other emr towers that are to be located in their area.

"People just didn't know, like myself, I was ignorant and we have lost our rights." The laws need to be changed.

Conclusion

In conclusion, the U.S. safety standard is too high to protect the U.S. public. The standard is outdated and needs to include the well-established athermal health effects. It is critical that impartial research into nonthermal health effects is funded adequately. Public safety is at stake and politics and money do not belong in science.

The cigarette industry used the scientific standard of proof, saying there is no link between smoking and lung cancer. The cell phone industry is using the same tactic. Environmental issues are decided at the 10-30% level of potential harm in order to protect public health. The cigarette industry's scientific standard of proof did not protect the public. Today, it is a proven fact that many smokers died from lung cancer as a result of smoking and the addictive qualities of nicotine. Therefore the environmental standard of proof should be used in the emr research evaluations in order to protect the public.

Section III

Conclusion: What this information means to victims of nonconsensual government experiments

1.

Where does the Russian translation Project fit in to the evidence?

A. A Few Conclusions

B. Short overview: The scientific basis for emr mind control weapons, athermal effects of emr. Plenty of evidence in mainstream press

1. Davis Enterprise, 3-1-2001 "Frankengenes': The Dark Side of Biotechnology" by Lee Bowman

2. Parade Magazine, Dec. 29, 1996, Reuters: "Best News for Mortals" "British scientists say they're working on a "Soul-Catcher" memory chip, which would record human memories and thoughts, and expect it to be workng within 30 years." Open literature discusses scientists interested in futuristic technology.

3. New York Times Magazine, Sept 29, 1996, "The Altered State" by Elizabeth Rotte. "Michael Persinger, a psychologist and neuroscientist at Laurentian University in Ontario, ...solenoids, which create gently fluctuating fields ...The impulses move through ... the brain, where they interfere and interact with the complex electrical patterns of the subject's neural fields. Persinger aims...switches ...they sense a sexual arousal.. negative presence, a benevolent force , opiate effects,..."

4. Bulletin of Atomic Scientist, Sept/Oct 1994 by Barbara Hatch Rosenberg, "The Soft Kill Fallacy". "Many of the non-lethal weapons under consideration utilize infrasound or electromagnetic energy...These weapons are said to cause ...interference with mental processes, modification of behavior and emotional response,...severe pain... The current surge of interest in electromagnetic and similar technologies makes the adoption of a protocol explicitly outlawing the use of these dehumanizing weapons an urgent mater."

5. US. News Jan 3/10 2000 by Douglas Pasternak, "John Norseen, Reading your mind and injecting smart thoughts" "BioFusion would be able to convert thoughts into computer commands, predicts Norseen, by deciphering the brain's electrical activity. ... Norseen's theories are grounded in current science. Mapping human brain functions is now routine..."

C. American victim's accounts match Russian accounts

1. U S District Court Eastern District of CA No Misc. 94-097-WBS John M. Ginter, Plaintiff, v. California Department of Corrections, et al., Defendants. John Ginter, San Quentin

prisoner with high school education described in his 1967 court case that Dr. Schmidt, the San Quentin psychiatrist called the equipment used on John, "M.I.N.D. or Magnetic Integrated Neuron Duplicator".

2. Los Angeles Times, 3-28-88 part 2 page 1, "A Fearful Fix Grips Figure in Kickbacks" by Kim Murphy, Rex Niles, an FBI informant in a defense contractors kick back case in Los Angeles, CA. Photo caption stated, "His aluminum foil hat has tiny holes in it, says Rex Niles, proof that the government is bombarding him with microwaves in an attempt to kill him." He had detected microwave signals but was still labeled mentally ill."

3. New York Times Magazine, Aug. 31, 1997, "Atomic Guinea Pigs" by Michael D'Antonio "At the Department of Energy, which oversees America's nuclear-weapons research, these people [radiation experiment victims] were referred to collectively as "the Crazies." But the opening of the cold-war archives has brought the Crazies in from the fringe." The mind control victims in Russia and the U.S. are both labeled mentally ill.

A Few Conclusions

Victims have two strong arguments for demanding an investigation into their allegations. If the Russians have mind control weapons, the U.S. undoubtedly has a mind control arsenal.

The evidence in this compilation spans 50 years, includes several independent, mainstream sources, and credible professionals, all stating that mind control in Russia exists. The historical and scientific evidence also supports a very long-term, large and classified emr weapons program in Russia and the U.S. The U.S government is on record for lying to the U.S. public about lack of proof of nonthermal effects while the Russians claim that nonthermal effects of emr are being used for weapons. Now in the 1990s, the U.S. reveals the nonlethal weapons program and claims in U.S. News and World Report, 7-7-97, that "scientists, aided by the military research on the `bioeffects' of beamed energy are searching the electromagnetic and sonic spectrums for wavelengths that can affect human behavior." The translation of the 1999 Lopatin book is the best evidence yet, a top Russian politician and scientist claim Russian mind control weapons exist and should be under international control.

Second, the athermal controversy is equally convincing historical evidence of a classified U.S. mind control program.

The number of victims in the U.S. and Russia, not to mention other countries is growing. For the first time, victims as a group can now organize and go to their congressional representatives, human rights groups, lawyers and investigative reporters and present an adequate level of proof of their claims, never before possible. The evidence now meets the standard of proof required for mainstream journalism, public knowledge and investigations such as a GAO investigation or a congressional hearing or a human rights investigation. Please see below for evidence and citations.

Electronic warfare since 1953, without public knowledge

In "Project Pandora", Dr. Becker, an eminent scientist consulted by the U.S. government on electromagnetic national security issues has warned of the electronic war on the citizens of the U.S and U.S.S.R. Many experts including Oppenheimer have warned that the Orwellian dangers of mind control are worse than the atomic bomb,(American Psychological Association). Information warfare using the mind as a target was described in the tv program, War 2020. War would be fought without even knowledge of a war taking place, (See Cahra International Campaign section).

In his 1990s book, "Crosscurrents", Dr. Becker wrote that it may be too late to stop the ongoing weapons programs. Unlike peace, electronic warfare resembles another cold war with its resultant high costs. Experts and public officials from the east and west warn of the dangers of psychotronic weapons or nonlethal electromagnetic weapons, the need for international control and of the need for open public debate.

What can be done?

Cahra does not have the resources to organize victims but I hope that others will. If this issue is presented as the international human rights issue that it is, public officials will be able to use their authority to ask for an investigation. Cahra will send this compilation with original articles and translation at cost for xeroxing and postage to anyone interested in stopping nonconsensual government experiments.

Finally, thank you to all of the victims who generously donated to this project and also to those who shared their information included in this article. I could not have done it without you. The Russian translation project is a major step forward. I hope that much more research can be done and that as a result, a better strategy to stop illegal government experiments will be found in our lifetime.

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