

# MIND CONTROL:

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Jubilee  
01/28/74*

## The Story of Mankind Research Unlimited, Inc.

By  
A.J. Weberman\*

Various branches of the United States government—certainly the U.S. Navy and probably the Central Intelligence Agency—are spending millions of dollars to finance an obscure District of Columbia corporation called Mankind Research Unlimited, Inc. (MRU). The personnel of this bizarre company and its affiliates and subsidiaries include some of the most frightening scientists the government has at its disposal. Its goal—despite the multisyllabic jargon of its brochures—is mind control.

I first learned of MRU in 1972 from a young friend who knew Dr. Stanley Krippner, Chief Researcher at the "Dream Laboratory" of Maimonides Hospital in Brooklyn, and Vice-President of the Soviet-American Association for Psychotronic Research. Dr. Krippner told my friend that he had returned from the Soviet Union with a schematic drawing for a "Kirlian Device" given to him by a colleague there. A "Kirlian Device" reportedly photographs "electroherbiluminescence," an as yet undefined energy field which surrounds living matter—sometimes referred to as the "human aura." According to Krippner, "The U.S. government had information on Kirlian photography in 1959, . . . but released it only to the CIA, Rand, the Air Force, etc. It wasn't until . . . I went to the U.S.S.R. and brought back the blueprints personally that this information was made available to the general public."

Krippner gave a copy of the schematic to my friend, who then assembled such a camera and began some experiments with it. Shortly thereafter, he stopped by my office to tell me that he had been contacted by a very strange outfit. "They call themselves Mankind Research Unlimited. Whoever they are they want my schematic and they want it bad."

The man who wanted the schematic was Paul Sauvin, who, we later learned, was MRU's expert "specializing in the detection and analysis of 'life energy' emissions," in the words of MRU's brochure. Sauvin was an electromechanical engineer and inventor who had worked in the aerospace

industry for thirteen years before moving to the National Institute for Rehabilitation Engineering at St. Joseph's Hospital, Patterson, New Jersey. Sauvin was investigating the possibility of a "Bionic Man" long before the TV show was around. According to the MRU materials his research "has also included investigations of the High Frequency 'Kirlian Effect' photography, thought-controlled devices, and psycho-kinetic switches." Although the MRU brochure indicates that this research is directed towards the development of prosthetic devices for the severely disabled, the military's interest in a trigger which could be actuated by thinking the command to fire is obvious.

My friend and I agreed that he should find out more about MRU. He met with Sauvin, indicated his interest, and hinted at his willingness to part with the Kirlian schematic, but asked if he could visit MRU's headquarters in Washington. Sauvin agreed, and in early 1973 my friend drove to Washington and went late in the afternoon to see MRU Director Carl Schleicher. Without much difficulty my friend succeeded in spending some time alone in the offices, during which he "inspected" the available files and made off with a number of documents, all of which he subsequently showed me. They tell a frightening story of government efforts to develop expertise in the art of psychic warfare.

MRU's "Brochure" begins with an explanation of the company's background. It is a District of Columbia corporation, a wholly-owned subsidiary of Systems Consultants, Inc. (SCI). SCI, according to its Brochure, was founded in 1966 and has participated in programs concerned with "aircraft systems, ship and craft armament systems and analysis and integration of airborne and shipboard data processing systems. In short, Systems Consultants, Inc. has had extensive experience in planning, organizing and evaluating a variety of governmental projects. . . . A permanent, professional staff of 250 has concentrated on problem solving in the areas of intelligence electronic warfare, sensor technology and applications."

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SCI had offices in Washington, with branch offices in McLean, Falls Church, and Arlington, Virginia—the sites, coincidentally enough, of the CIA and the Pentagon.

MRU's Carl Schlaicher worked for SCI as late as 1972. According to documents obtained by my resourceful friend, Schlaicher was cleared to receive and to hold—and did so—classified Navy publications with such titles as "Ship Exercises," "Anti-Air Warfare," and "Air and AAW Exercises." SCI received most of its funding from the United States Navy—although it is quite possible that much of this was CIA funds, laundered through the Navy. (This has been done before; at least a half million dollars of "Navy Research funds" were used, according to *Sea Technology* magazine, in the Glomar Explorer venture—in fact the CIA's attempt to raise a sunken Soviet submarine. [See the article on the Glomar project in this issue of *CAIB*.] A *New York* magazine article by William K. Stucky, "Psychic Power: The Next Superweapon," reported that funding for the Stanford Research Institute's psychic warfare think tank comes from the Navy Electronic Systems Command.) SCI's "sales" grew from \$250,000 in 1967 to \$6,500,000 in 1971.

A few years ago I visited SCI's Georgetown office and inquired about a position as a computer-programmer. The Security Director, Eugene D. Pasztor, took me into his office, locked the door, and asked me how I had become aware of SCI. I had a copy of a page from "Who's Who in Systems Consulting" with a reference to SCI, which I showed to Pasztor. He checked my copy with an original in his files, and, finding the two to be identical, gave me a copy of the SCI brochure and his card. Then he unlocked the door and let me out.

MRU is less overtly militaristic than its parent SCI, but equally, if not more bizarre.

MRU's brochure summarizes the "Philosophy and Purpose" of the organization, which rests on the assumption "That the biological effects of environment can be modified by the action of energetic, or biological force fields, either to enhance or threaten mankind's well-being. . . . The U.S.S.R. has more than twenty centers for the study of biocommunications (the Soviet term for parapsychology) and related phenomena, with an annual budget estimated to be over 12 million rubles (\$13 million) for 1967 and as high as \$21 million for 1970. . . . These figures are not matched in the United States, where only insignificant sums have been spent for this kind of research. This indicates that the U.S.S.R. is more aware of the benefits and applications of biocommunication research. Mankind Research hopes to counter and reverse this trend so that the full fruits and benefits derived from this research are also made available to the United States."

The brochure goes on to reveal that MRU's "capability and experience" is divided into four fields. The first is "Biophysics," which includes "Biological Effects of Magnetic Fields," "Research in Magneto-fluid Dynamics" (the effects of low level magnetic fields on water and the subsequent effects on living organisms that ingest the water); "Planetary Electro-Hydro-Dynamics" (efforts to change the nature of the magnetic field present in large bodies of water); and "Geo-pathic Effects on Living Organisms" (attempts to induce illness by changing the magnetic nature of the geography).

MRU's second field of interest may be geared to produce a device that emits waves which cause mental confusion. Titled "Biocybernetics," this area encompasses "Reactions to Stress" and "Psychodynamic Experiments in Telepathy," as well as "Errors in Human Perception," "Bio-Feedback" and "Biologically Generated Fields."

MRU's third field of interest is "Behavioral Science."<sup>2</sup> This includes "Metapsychiatry and the Ultraconscious Mind" (telepathic mind control); "Behavioral Neuropsychiatry," "Analysis and Measurement of Human Subjective States" (computer analyzed EEG's, biofeedback, etc.), and "Human Unconscious Behavioral Patterns."



Finally MRU's fourth field of interest is "Psychophysics." This includes "Bioluminescent Applications." (MRU claims to be "the first organization to obtain a government grant to explore the use of Kirlian photography as a diagnostic technique"); "Radiesthesia Research in the Soviet Union" (wave-induced anesthesia); "Dowsing Introduced to the US Armed Forces"; "Dowsing as a Tunnel Detection Device;" and "Correlation of Magnetic Field Gradients with Dowsing Reaction Zones."

MRU's facilities are located in seven states; in Mountain View, Los Angeles, California, MRU scientists studying Advanced Sensor Technology have tested psycho-acoustical transmitters that produce sound-patterns termed "infra and ultrasonic" that interact with brain cells and "wipe them clean" of all information. In Miami, Florida, MRU

Life magazine's "Russian Revolution" project. In 1961 he became Director of the International Studies Program at the Hoover Institution on War, Revolution and Peace, where he is now a Senior Fellow.

Founded in 1919 by Herbert Hoover to "demonstrate the evils of Marxism," the Institution houses the files of the Czarist secret police and the personal diary of Nazi propagandist Joseph Goebbels. Hoover's Senior Fellows include Aleksander Solzhenitsyn and Dimitri DeMohrenschildt, the brother of George DeMohrenschildt, Lee Harvey Oswald's closest friend in Dallas, Texas. Coincidentally, Posony is a subscriber to the "loose assassin" theory of the Kennedy assassination and has written several articles to this effect. He is also the author of dozens of books, many of which have been translated into German. The titles include—"Tomorrow's War—It's Planning, Management and Costs," "The Economy of Total War," and "Strategy for American Victory."

Posony is on the Board of Directors of many CIA "front" groups, including the American Security Council. Other Council members include a former Director of the Defense Intelligence Agency, a former Commander of the Strategic Air Command, a former Chairman of the Joint Chiefs of Staff, a former Chief of Counter-Intelligence for the CIA, and Dr. Laszlo Pazator (a Nazi collaborator appointed to a high post in the Republican Party by the Nixon Administration) and Major General John K. Singlaub. Posony is also a member of the American Chilean Council, which is registered as a foreign representative of the fascist Chilean Junta.

MRU member Skaidrite Maliks Fallah was, according to the MRU brochure, "raised and educated in the Baltic state of Latvia prior to the Soviet take-over in 1945." Prior to the end of WWII, in fact, Latvia was, for a time, a Nazi puppet state. In 1962 Mrs. Fallah received her MA in International Relations (Latin American Area Studies) from Johns Hopkins University. After traveling to Venezuela and Peru, she worked as a Senior Research Associate in the Cultural Information Analysis Center (CINFAC). CINFAC is a division of the Center for Research in Social Systems (CRESS) which at the time was under contract to the U.S. Army Research Office. CRESS is a well-known CIA front. Mrs. Fallah's selected bibliography includes "A Selected Bibliography on Urban Insurgency and Urban Unrest in Latin America and Other Areas," and "Training of Military Advisors—An Annotated Bibliography."

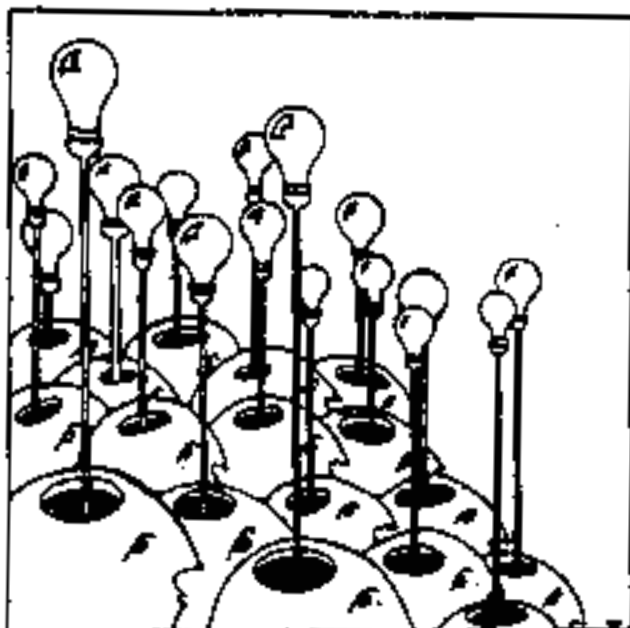
George Schepak, MRU's Russian Technical Translator/BioCybernetics Researcher was born and educated in Russia. He also studied in Germany. Schepak designed computers for several space programs, holds a Defense Contractor security clearance and is an expert in "geomagnetism."

Several MRU scientists are very concerned about the Soviet's utilization of electromagnetism. Paul E. T. Jensen managed the Air Defense Task Force of the Army's "Electronic Warfare 1975" study and also the "Electromagnetic Threat to the Army-1985." Jensen is a physicist, mathematician and engineer who specializes in intelligence re-

search and analysis. In 1959 Jensen became "a company" representative at the "U.S. Army Electronic Proving Ground, Fort Huachuca, Arizona. This base also happens to be the home of U.S. Army Military Intelligence. In 1960 Jensen became manager of research development at the Electronic Proving Ground and began studying "Eurasian Communist Research and Technology programs." He has been especially interested in new communication techniques such as telepathy, combat surveillance systems, and long range technological forecasts relating to these programs. The results of his studies appear in classified publications.

Working with Jensen is Richard B. LaTondre. LaTondre is currently employed as project engineer for "The Enemy Electromagnetic Threat" (CD-107-EW), a study being conducted for the CIA. LaTondre is primarily responsible for the planning and implementation of the electronic warfare effectiveness analysis effort as related to the update and publication of the "Enemy Electromagnetic Threat—1975." LaTondre also participated in "The Enemy Electromagnetic Threat to Friendly Tactical Aircraft in South Vietnam."

LaTondre studied at the U.S. Army Language School and at the National Security Agency. He served as an Electronics Warfare Officer and has received extensive formal training in combat intelligence, guerrilla warfare, photo-imagery, hydrography and analytical analysis.



Dr. Charles R. Buffer is another MRU magnetologist with fifteen years of research behind him. Dr. Buffer's latest work is on the effect of weak or near zero magnetic fields on humans. Buffer is attempting to formulate a biomagnetic explanation for dowsing and psychokinesis.

Buffer's mentor, Dr. Jim Carstow, is also employed by MRU. Dr. Carstow studied in pre-communist Romania. In 1949 Carstow came to the United States and in 1953 he joined the aerospace industry. In 1959 he began conducting

periments in magneto-fluid dynamics which probed the mysteries of shock-wave propagation in the presence of a magnetic field and radio and magnetohydrodynamic wave interaction. In 1961 Carstow conducted research on the earth's interior and its magnetism, the electrodynamic properties of sea water (with possible application to communication between and detection of submerged submarines). Further research has included the study of the biological effects (in terms of health status, accident rates, behavior patterns, etc.) on humans of variations of electromagnetic, magnetic and gravitational fields.

Several prominent physicians and psychologists are members of MRU. Dr. James C. Alter graduated from the United States Naval Academy in 1942. From 1942-1962 Alter served as a Naval Officer. In this capacity he served as a Fleet Electronic Warfare Officer and Missile Range Detector. In 1968 Alter began teaching Biomedical Engineering at the Naval War College.

The distinguished surgeon, E. Stanton Maxey is also a member of MRU. Maxey has conducted extensive studies in sleep research and human unconscious behavior patterns. Through the use of sophisticated sensors, he is attempting to determine the effects of external phenomena on dreams. An innovative feature of this research is the use of electromagnetic recording of EEOs, ultraviolet and infra-red sensors, precise weight analysis and the correlation of these technical factors with electromagnetic field, moon and planetary positions, barometric changes, etc.

The MRU psychiatric and psychological team includes Stanley R. Dean, originator of the theory of the "Ultra-conscious;" Norman Korobow, who conducted research on military leadership at the United States Marine Academy at West Point. This work involved the analysis of identifiable personality variables associated with graded leadership behavior. Korobow is the author of several research papers for the Bureau of Naval Weapons, all of which have been classified "Secret." Another MRU psychologist, Arthur Marcus, is simultaneously involved in two major military electronic system efforts—the SHORT-STOP system and the AIR Combat Maneuvering Range System. Marcus has provided support to numerous other military System Program Offices and currently holds a "SECRET" clearance.

Berthold Eric Schwarz, M.D. is also a member of MRU. Schwarz is the author of "You Can Raise Decent Children," published by the conservative publisher—Arlington House. A former member of the "perversion project" at the Mayo clinic, Schwarz is an expert on the effects of LSD on hypnotically-induced seizures.

Other assorted MRU scientists include John E. Laurance, who co-ordinated the support of basic research programs for the Office of Naval Research, in Washington, D.C. In 1969 Mr. Laurance became Vice-President and General Manager of a new corporation established to provide new technologies to developing countries. Laurance has had an interest in the paranormal since the 1930's. In 1969 Laurance established "Life Energies Research, Inc.," a non-profit organization which conducts scientific inves-

tigations of unusual and little known properties of human energy systems.

Mankind Research has a Czech defector working for them named Milan Ryzl who was a pioneer in the application of scientific method to the study of parapsychology.

My friend was able to liberate two "Technical Papers" from MRU. The first, dated 31 March 1972, is entitled "Measuring, Selecting and Training For Unique, Special Performance Capability Requirements." "This new approach is well adapted to the selection of applicants seeking to become . . . covert or clandestine agents . . . as well as chief negotiators and policy-makers involved in sensitive problems, both foreign and domestic." The paper is prepared for an un-named government agency, probably the CIA.



MRU proposes that recent psychotechnological devices and techniques can be used in optimizing selection of personnel for employment requiring high and sustained degrees of perception, such as scouts or combat and reconnaissance patrols for the detection of snipers and concealed weapons or booby-traps and explosive devices, clandestine (covert) agents and intelligence operatives.

MRU proposes several techniques to measure the potentials of individuals. One technique involved the computer analysis of psychophysical recordings including data obtained from EKG, EEG, GSR (Galvanic Skin Response) and the plethysmograph which is used to measure vaso-

constrictions (blood volume changes) in the finger capillary cells. MRU would supplement the known methods with a recently developed apparatus for measuring electric field radiations from living bodies. (System Research Laboratories of Dayton, Ohio, patent #3,555,529 12 Jan 71.)

MRU's pioneering studies of computer-analyzed EEG's may have led to the formation of CIA sponsored "Brain Research Laboratories" at the San Diego Hospital and at Columbia, Stanford, and New York Universities. These Brain Research Centers are developing the science of Neuro-metrics, the goals of which are to extract and quantify brain functions. Almost half a century ago, it was reported that slow electrical waves could be recorded from the human scalp. Neuro-metrics has brought EEG to a new degree of sophistication by using computers to remove artifacts (60 cycle hum, eye and body movements, etc.) and to compute the waveshape of an average evoked response (AER) to a particular stimulus.

In San Diego the brain waves of volunteers are being analyzed by computers as the subjects look at photographs and are questioned with true or false questions. According to *The San Diego Union*, the computer attempts to determine if the volunteer recognizes a specific photograph or is thinking "true" or "false." Researcher's claim they can determine when a volunteer recognizes another face, simply by analyzing that volunteer's brainwaves. At Stanford, scientists are attempting to reverse this process and are attempting to transmit thoughts and instruction by playing back previously recorded brain waves.

CIA confirms these experiments are in progress under an Agency contract; however, they claim the human brain and eye are being studied by computers so the CIA can understand how photographic processes work.

As far as improving human performance and capabilities, MRU first suggests autogenic training such as biofeedback. Secondly, they recommend "Biocybernetic Technique." According to MRU "this technique is based on Eastern European research" and involves the direct transmission of information to individual nerve cells. The paper goes on to reveal, "In Eastern Europe, emphasis has been placed on shifting these human sensor limits to the highest possible level through special training programs. Details of these programs are available to MRU and will be applied to the task of improving human performance by biocybernetic means. It is noted that the goal of this effort closely parallels that of a recently issued directive from a U.S. government Agency which has the objective of exploring and developing means by which information of modest rate can be fed to humans utilizing other senses than sight or hearing and which do not disturb but may possibly reinforce the effectiveness of sight or hearing (copy of this directive provided upon request)."

The second MRU technical paper concerns the possible application of the Kirlian technique to the "identification of surface, near sub-surface or concealed objects." Not only was MRU considering the possibility of subjecting all carry-on luggage to electrophotography, MRU scientists were discussing the possibility of taking a Kirlian photograph of every passenger that boarded a U.S. air carrier,

then subjecting it to computer analysis; if the computer did not like someone's aura, they would be detained and questioned further. This idea had to be abandoned since the public would never submit to a mild electric shock.

The technical paper is of interest in that it reveals MRU has spies in the U.S.S.R. "MRU has received, during the past year, various unpublished Soviet papers confirming that Russian research in these areas proceeds ahead."

MRU is a strictly capitalist organization and markets a variety of products. MRU actually maintains a retail outlet in the Georgetown section of Washington, D.C. The products sold here include magnetic plumbing nipples. Initially designed to reduce and prevent the formation of scale in pipes, these French devices play a part in MRU's research into hydro-magnetics. MRU also markets full spectrum fluorescent lighting. This probably relates to MRU's interest in chromotherapy and the effect of ultra-violet light on living organisms. (Chromotherapy is the curing of illness by confining the patient to a room which is painted in only one color. MRU has received a grant from a prestigious scientific institute to conduct this research.)

For \$350.00 MRU will sell you a "King's Life Energy Sensor," complete with gold electrodes; to measure biological responses of plants. Packed with each unit is an "Annotated Bibliography" by Skeldrite Fallah.

Another MRU "frontiers of science" product is a \$150.00 Kirlian device. MRU also sells Kirlian power supplies for \$39.00 and \$69.00. For an additional \$18.00 you can get "Aura goggles" that use "Dr. Kilner's own diocyanin coal-tar dye for filters."

For \$20.00 MRU will send you a computer-generated biorhythm chart.

MRU's motivation for marketing the aforementioned devices is best summed up in their brochure for a "Crooks tube" which they term a "Psychokinetic Radiometer"—"MRU desires to receive results of these experiments."

Several courses, open to the public are sponsored by MRU. "Alpha-Theta Meditation" is a ten week course which includes use of a Galvanic Skin Response Machine and Biofeedback training via EEG analysis. The idea is to produce numerous alpha level brainwaves which characterize deep tranquility. Currently, MRU is trying to develop another biofeedback channel based on the Burr-Ravitt electrodynamic theory of matter. This device would provide feedback through voltage potential gradients measured between two points on the body.

Courses are also offered in the Loznow Learning Method of Suggestology. Dr. George Loznow is a Bulgarian psychiatrist who has developed a system of accelerated learning, utilizing mental relaxation, a special type of psychodrama that provides the student with a freeing-stimulating role, as well as other art forms such as special background music of Mozart, Bach and other classics. As a result, information allegedly bypasses emotional blockage while going directly into the long-term memory area of the brain.



MRU runs several auxiliary organizations including the Society For the Application of Free Energy (S.A.F.E.) which investigates dowsing, which they term "radiesthesia"—the investigation of human sensitivity to the vibratory effects created by living organisms as well as those effects inherent in inanimate objects."

The Center for Preventive Therapy and Rehabilitation (CEPTAR) is run by MRU to serve as a liaison group with the medical profession. Finally MRU runs the Mankind Research Foundation—an independent, non-profit, tax exempt organization chartered in the District of Columbia for charitable, educational and scientific purposes. MRF activities are made available to the public through Mankind Research Centers and it is listed as a tax-deductible charity organization with such noble goals as "evaluation of cancer treatment," "use of Kirlian Photography as a diagnostic technique," etc.



Mankind Research continues to operate despite the recent disclosures of CIA Mind Control Programs. MRU vehemently denies any connection with the CIA. In a memorandum for The Record, Carl Schiricher writes—"It has recently come to my attention that various rumors concerning MRU have surfaced . . . we are not a front organization for any branch of the United States government . . . we have never sold data, of any type, to the United States Government . . . we have, however, obtained several modest government research contracts to make feasibility studies in certain human engineering and psychosomatic evaluative areas . . . all of our research and resources are oriented toward peaceful applications."

For an organization devoted to peaceful activities, MRU is rather short of pacifists; its staff includes a group of Dr. Strangelove with multiple ties to the armaments, aerospace, military, and intelligence establishment. There is undoubtedly much more to the scientific areas in which MRU works than the government would like the ordinary citizen to realize. These scientists are not crackpots, but they are no better than the MKULTRA researchers of the past decades. "Peaceful applications" of their research are the last things on their minds.

## Further Information Sought on Mind Drug Testing

CIA/B has received the following letter, which the writer has asked us to publish:

Dear CoverAction:

I am interested in obtaining information about the CIA role in human experimentation and drug use since World War II. Some information has already emerged in congressional hearings and more is in the book by John Marks, but most of the perpetrators of these misdeeds in the scientific and medical community and their institutions are still unknown. Very little has happened to reform or change the practices within the medical and scientific community that permitted these things to happen. In general, the issue remains unacknowledged by the American Psychiatric Association and the American Medical Association.

As a clinical investigator in psychiatry from 1955 to 1974 I worked at the Lafayette Clinic in Detroit where mind-altering drugs such as Sereni and LSD were tested. The public paid for these tests because this was a tax-supported university and Department of Mental Health institution. The patients and normal subjects on whom these tests were conducted still do not know whether these tests were sponsored by the CIA, the Department of Defense or government scientific agencies. I have lived in California since 1974 and the same issues apply to the major institutions of this state.

An attempt to do psychosurgery in order to "control violence" was stopped at the Lafayette Clinic in 1973 by attorneys representing Michigan Neighborhood Legal Services, the Center for Law and Social Policy in Washington with the Medical Committee for Human Rights as plaintiff. We still don't know for sure whether the CIA was a covert sponsor.

The readers of Cover Action could contribute a great deal to stopping these unscientific abuses. We need names and other details about doctors, scientists, institutions, participating foundations, universities, principal investigators, drug companies, and hospitals. More information will lead to exposure of these activities via legal channels such as the Institute for Public Interest Representation of Georgetown University in Washington and the Radical Caucus of the American Psychiatric Association.

Sincerely,

Paul Lowinger, M.D.  
77 Belgrave Avenue  
San Francisco, CA 94117



Telephone (301) 587-8686

*Hand  
SKBI  
04/22/94*

March 24, 1994

Jean A. Handrickson  
Vice President  
SKBI  
1390 Chain Bridge Road  
Suite #97  
McLean, VA 22101

Dear Ms. Handerson:

This is in response to your letter of March 22.

It seems that you have gotten a copy of a rather old flyer of MRU that we have not used for many years. Where did you get these sheets?

Nevertheless we do have material in most of these areas but in some cases, we are not actually pursuing them.

An example of one of the items you namad is enclosed.

All of our projects are designed to benefit the health and welfare of those who utilize these programs.

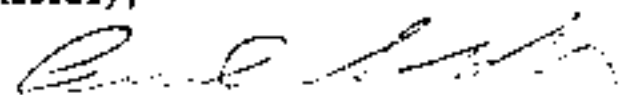
What is the purpose for which you wish this information? Who or what is SKBI.

We do have a library and many files but these are now for use by appointment and when there is a benefit to us for their use.

In the past we had a much larger library but now we have split this library among three sites. We also noted that those who used it in the past sometimes walked off with books or items out of our files without our knowledge or permission. So now we are not as free with their access.

We shall look forward to your response and how we may further help you.

Sincerely,

  
Carl Schleicher, Ph.D.  
President

*translated, Schleicher literally means  
"INTRIGUED"*

- o Determination of technological state-of-the-art developments and implications.
- o Preparation of technological forecasts and assessments.
- o Definition of systems which improve man's relationship to his environment.
- o Determination of potentially beneficial health programs and innovative medical research which highlights causal or preventive factors in human illness and disease.
- o Determination and identification of specific user requirements with respect to new technologies and concepts in the health, education, and welfare areas.
- o Development of programs for further investigation based on the particular users' requirements where an advanced technology approach involving a multi-disciplinary effort is involved.

To be able to offer such a broad spectrum of research and analysis capability to its clients, MRU has brought together many leading scientists and experimentors in the multi-disciplinary field of human engineering, which includes the sciences of bionics, biophysics, psychophysics, psychology, physiology, neuropsychiatry, cybernetics, and systems engineering. This team is available to conduct research and analysis based on the unique data available to MRU and/or that which may be made available by the client. Representative problem areas that could be studied are fully within the capability of MRU and include:

- o Man-machine cybernetic interactions.
- o Special sensory biophysical activities.
- ~~o Development of special sensory biophysical activities.~~
- o Improvement of human performance via biofeedback techniques.
- o Effects of altered states of consciousness on the human psyche.
- o Innovative therapy/prosthetic/diagnostic techniques.
- o Environmental effects upon biological (human or non-human) systems.
- o Infrasonic and ultrasonic effects upon biological systems.
- o Geopathogenic factors which induce illness.
- o Ability of Electric Potentials on the Skin (Referred to as "Skin Potentials") to Immediately Reflect Internal Changes in the Human Body.
- o Use of Magnetic Fields and Magnets to Effect Pain-Deadening Conditions.



- o Brain and mind control.
- o Telepathic communications or bioinformation transceiving.
- o Special anesthetic techniques such as electronic anesthetic systems and acupuncture.
- o Development of predictive and protective measures against natural disasters: specifically earthquakes, tornados, and hurricanes.
- o Chromotherapy or music/color therapy as remedial agents to improve mental health.
- o Healthful adjustment in ecology balance through aeroinization control devices.
- o Enhancement of the ability of the five senses to receive and transfer information.

~~These investigations are not meant to be all-inclusive, but is presented to give some~~  
 indication of the scope of MRU's capability.

The following list presents MRU experience in related areas applicable to this proposal. Additionally, the contract summaries immediately following this list illustrate some of the capability and experience which will be utilized in this proposed effort.

- o Investigations into Causal and Preventative Factors for the Sudden Infant Death Syndrome (SIDS).
- o Methods of Improving Beds, from a Therapeutic and Comfort Standpoint, for Hospital Patients.
- o Applications of Music/Color and Chromotherapy as Remedial Agents in the Treatment of Emotionally Disturbed and Retarded Children.
- o Analysis of the French-developed Electronic Anesthetic System.
- o Investigations of Geopathogenic Factors and Their Effects on Inducing of Human Illness.
- o Application of the Burr-Ravitz Electrodynmic Field Theory to the Precise Electronic Prediction and Determination of Female Ovulation Times in Terms of Minutes.
- o Application of Newly Developed U.S. Army "Thermoviewer" Devices to Analyze Diagnostically the Status of Body Tissues Beneath the Skin.
- o Investigations Into the Use of Negative Ion Generators and Their Potential Application in Enhancing Human Performance, Welfare and Health.

and to Locate Acupuncture Points.

- o Use of High Frequency Electromagnetic Waves with Pulse Cadence Near Alpha Rhythm Brain Wave to Produce Narcosis Effects.
- o Use of Psychobiological and Physico-Chemical Drugs to Alter States of Consciousness and Control Moods, Fatigue, Alertness, Personality, Perception, and Tension.
- o Through Interaction of Biophysiological Techniques and Electromagnetic Fields, Varying Emotional States of Groups of People and Inducing Visual or Auditory Hallucinations by Applying Specific Field Intensities.
- o Luminescent Microscopy Techniques to Diagnose Illnesses.
- o Analysis of Acupuncture and Its Degree of Effectiveness in Treating Human Ailments.
- o Human Sensitivity to, and Effects of, Ultrasonic Energy.
- o Biological Effects in Strong or Reinforced and Weak or Disturbed Geomagnetic and Electromagnetic Fields.
- o Production of Electrographic Images of Living Organisms.
- o Human Perception and Relation to the Conditional Reflex.
- o Applications of Neurocybernetics.
- o Biofeedback Training and Applications.
- o Electromagnetic Field and Magnetoresistance Effects on Neural Tissues.
- o Biological Effects of Water Treated by Magnetic Fields, on the Behavior and Vital Activity of Living Organisms.
- o Use of "Microwave (SHF) Therapy" in the Treatment of Diseases.
- o Investigation of the Stimulating Effect of Electromagnetic Fields on Hemopoiesis and on the Composition of the Blood in Humans and Animals.
- o Measurement of the Electric Parameters of Body Tissues in Various Frequency Ranges for Diagnostic Purposes.
- o Effects of Electromagnetic Fields on Cultures of Normal and Malignant Human Cells and on Malignant Tumors.
- o Effects of Electromagnetic Fields on Human Blood in Respect to Clotting Time and Erythrocyte Sedimentation Rate.
- o Destruction of Bacteria by Electromagnetic Waves of Certain Wavelengths and by Biotherapy Means.
- o Physical and Chemical Factors Which Influence and Inhibit the Olfactory Senses.