



The Journal of Borderland Research

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TABLE OF CONTENTS

QUANTUM CONSCIOUSNESS, A TRAP FOR THE UNWARY Riley Hansard Crabb.....	1-7
IMPLOSION AND THE DERWISH DANCE Albert Zock.....	8
COSMIC BLUEPRINT, Part II Trevor James Constable.....	9-10
BUILD YOUR OWN RADIONIC TUNER Peter A. Lindemann.....	11-14
THE TESLA OSCILLATING CURRENT TRANSFORMER Eric P. Dollard.....	15-23

* CLIPS, QUOTES & COMMENTS *

- * A CLIP * A QUOTE * A COMMENT * TOOLS *
 - * GNOSTICS * RIFE MICROSCOPE UPDATE *
 - * HIRANYA COILS * CONTACTS * SPACE SHUTTLE *
 - * FLYING SAUCERS OVER ARGENTINA * 1986
CATALOG * TESLA BOOK COMPANY FOR SALE *
 - * BORDERLAND EXPANSION * MWO UPDATE *
 - * GOLDEN RATIO ANTENNAS * GIANTS *.....
- 24-36

The Journal of Borderland Research

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THE FOUNDER and first Director of BSRF was N. Meade Layne. He founded BSRF in 1945 with the issuance of the Round Robin, original title of The Journal of Borderland Research. In 1959 he passed on the Directorship to Riley Hansard Crabb who carried on to 1985. Riley is now the Editor-at-Large. Tom Brown took over from Riley Crabb in 1985. On to the future!

THE MAIN FUNCTION of BSRF is to act as a clearing house for information. Several areas of active research are being carried out also. Results of researches and pertinent information are published in the Journal.

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QUANTUM CONSCIOUSNESS, A TRAP FOR THE UNWARY

By Riley Hansard Crabb, Editor-at-Large

Theoretical physicists are making continuous efforts to bridge the apparent gap between mind and matter. The Jesuit-trained French philosopher, Descartes, claimed the gap was unbridgeable and Western science has followed his lead for too long. Eastern science says there is no such gap, and has said so for thousands of years. Now, physicists like Fritjof Capra in his book "The Tao Of Physics", are turning to the writings of Eastern philosophers to prove that Western physics has bridged the gap without knowing it!

One such physicist, Fred Alan Wolf, outlines his effort in a brief article in the September 1985 issue of "Omni" magazine, "Quantum Consciousness"; but instead of following the lead of his teachers -- East and West -- and accepting the principle that mind precedes and controls matter, he reasons that matter controls mind, and the emotions.

In enunciating the Law of Indeterminacy years ago, the German physicist, Heisenberg, acknowledged the supremacy of mind over matter. He told his students of the 1930s that the experimenter is a part of the experiment, that his attention on it will affect the outcome. This resulted in a wave of scepticism in the scientific world then, but the recognized wave-particle duality of quantum physics confirms the German's inspired observation.

Wolf poses the question: "When does an atomic object behave like a wave and when does it behave like a particle? According to many quantum physicists the answer depends on whether the object is observed. Unobserved the object appears to be spread out over space as a wave, but the instant it is observed the wave collapses to a point and behaves like a particle. The action of a simple observation 'causes' a wave to collapse, producing a particle. But what kind of action is a simple observation? Nobel laureates Eugene Wigner and Brian Josephson and many other physicists, including myself, believe that it may be a fundamental event beyond physics. We view it as an act of consciousness."

But then he goes on to claim that the action of consciousness is controlled by the particle behavior of electrons in the brain "orchestrating the behavior of individual nerve cells as they relay their chemical messages to one another. I argue that the wave-particle duality action of electrons, for example, could give rise to feelings of loneliness, of ego and hatred." I argue, as a student of metaphysics, that waves of loneliness, of ego and hatred give rise to chemical changes in the molecules of the body. "Similarly," writes Wolf, "love and feelings of compassion may be created by pho-

tons, particle-wave units of light." It seems to me that it would be just as proper to say that feelings of compassion are waves of energy from the emotional or Astral world -- what physicists call the virtual state -- creating photons or particles in the physical, the actual state.

MIND AN OUTGROWTH OF QUANTUM PHYSICS

"Love and hate, success and failure, violence and peace could be but manifestations of energy, of forces and atomic objects flowing through our bodies, brains and minds as particles and waves. What we call the brain," writes Wolf, "is the particlelike behavior of our observations. What we call mind is the wavelike behavior of atomic objects, invisible and unobserved. Mind is then the outgrowth of the basic laws of quantum physics together with the actions of the observer, which I believe are the acts of consciousness."

Fred Alan Wolf claims to have studied the Cabala with an internationally acknowledged expert, Carlos Suarez. This is while Wolf was an associate professor of physics at the University of Paris. If Suarez taught him that mind is an outgrowth of matter I am surprised, and disappointed; for that philosophy is characteristic of the Left Hand Path. It is quite the opposite of another internationally acknowledged expert, Professor Whitehead, who held the chair for Mathematics at Cambridge. His cosmology assumed that physical events were the result of mental events, with mind, not matter, as the basis of life. John Wilcox in his excellent book "Radionics In Theory and Practice" (Herbert Jenkins, London, 1960) compares Whitehead's positive philosophy with that of the late lamented founder of Scientology, a prize pupil of that famous or infamous Cabalist of the Left-Hand Path, Aleister Crowley.

"Conversely," writes Wilcox, "Mr. L. Ron Hubbard, an American nuclear physicist, subsequently turned his attention to psychology in the belief that mental events partake of the same fundamental characteristics as physical events. Under the name, first, of Dianetics and subsequently Scientology, Hubbard evolved a technique of psycho-therapy based on the methodology of mathematics and atomic physics with which some remarkable results are said to have been obtained."

One of the remarkable results was that Hubbard obtained a fortune of hundreds of millions of dollars from thousands of devotees all over the civilized world, using scurrilous business practices which made him persona non grata in many American states and in foreign countries such as England and Australia. This is one of the major reasons he made himself inaccessible to process servers by living on a yacht in the Mediterranean for years, then returning incognito back into the United States after his lieutenants had surreptitiously purchased the old Gen. Harrison hotel in Clearwater, Florida.

We can see here the results of particle-like behavior

at work as described by physicist Wolf in the Omni article: "In the quantum world, electrons suffer a paradoxical life. Because of their particle behavior and their electrical repulsion, no two electrons can ever occupy the same space. They are doomed to solitude. In their wavelike guise, however, electrons are forever seeking their opposite particle, the positron, even though such a meeting would result in their destruction. The electron's electrical charge is a cry for the return to the void. It hopes and fears to attract its opposite, its antimatter partner, the positron, in a dance of death."

THE RETURN TO THE VOID

To the Cabalist on the Right-Hand Path of love and service, the "return to the Void" is a return to the Father's House, "0" zero is Infinity: Infinite Power, Infinite Wisdom, Infinite Love. To the Black Magician who says, "Evil, be Thou my Good", the Void is the end, total destruction because of the dependence on the self-limiting cycles of matter -- and the inorganic beings who reside in it, in some cases refuse from an earlier cycle, in Theosophical terms the Moon Chain, whose physical planet was Maldek. It was blown up by Evil Forces in an all-out atomic war about 700,000 years ago.

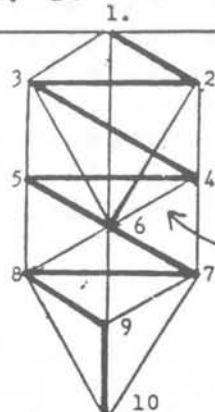
Rumors of the sudden demise of the Apostle of Quantum Consciousness, Ron Hubbard, were rife in Southern California long before I left it in September 1985. In fact his oldest son went to court to get control of his father's estate, but lost the fight to the Los Angeles leaders of Scientology, who produced evidence that convinced the court that Ron Hubbard was still alive -- though they could not produce Hubbard! Now they say he is dead, of a stroke, at his California ranch, according to an Associated Press dispatch of Jan. 28, 1986, and that "Mr. Hubbard left most of his estate to Scientology". Two other facts are known for sure. His surviving wife, Mary Sue Hubbard, is in jail for committing crimes in his name against the U.S. Government and his younger son died of mysterious causes in a Las Vegas hospital. He was found unconscious in his car, without identification, on the Nevada desert, apparently on his way to visit his older brother who was living at that time in the gambling capital. Police finally traced the ownership of the car to Clearwater, Florida and Scientology, but the staff there at first denied any knowledge of the young man who passed on, alone, and for no discernible medical cause.

Fred Alan Wolf concludes his thoughtful article with this observation: "Understanding how the brain/mind works may lie within the whole range and arsenal of the mathematical language of quantum physics. The probability equations and the behavior of atomic objects may depend on the wave-into-particle actions of consciousness. Without such actions the world and all of its participants would remain wispy, ghost-like quantum waves, and there would be nothing material at all."

THE FOUR WORLDS

of the Cabalist

1



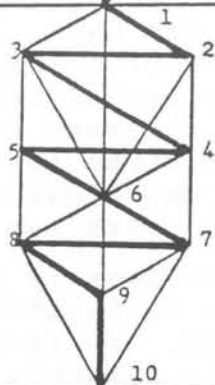
Atziluth

Spiritual World

FORCE

(The heavy zig-zag line depicts the lightning FORM flash of creative power descending from on high.)

2



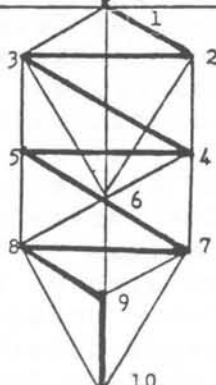
Briah

Mental World

FORCE

FORM

3



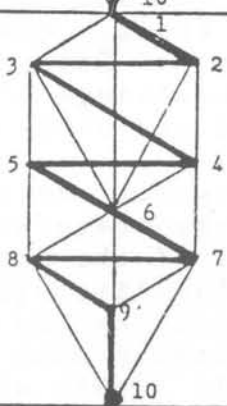
Yetzirah

Emotional World

FORCE

FORM

4



Assiah

Physical World

FORCE

FORM

01

Avitchi
or
Hell

Conspicuous by its absence from Wolf's article is reference to moral and ethical considerations in the use of Quantum Consciousness. My teachers in the Western Mystery Tradition say that consciousness of morals and ethics rides on the "wispy and ghostlike" waves which descend from the topmost of the Four Worlds of the Cabalist, Atziluth, as shown in the accompanying chart. These waves tend to encourage people to treat other living beings with consideration and respect. As I understand it, the message from the Void is that this is a moral universe, that we are responsible for the results of our every action. This point of view was conspicuously lacking in the teachings of Aleister Crowley and in the philosophy of Descartes.

QUANTUM CONSCIOUSNESS IN THE HOSPITAL

In his illuminating book on "Holistic Health", published by Holt, Rhinestone and Winston, New York, 1982, and by Turnstone Press, England, 1984, Lawrence LeShan gives an interesting example of the consciousness direction problem:

"Some years ago, I instituted a program in a hospital with many long-term patients. An hour after each patient was admitted, a volunteer wheeled into the patient's room a cart containing a hundred good-sized reproductions of famous paintings. The reproductions were professionally mounted on light beaverboard and the patient was invited to make a selection and decorate his or her room. The volunteer returned once a week to ask the patient if he or she wanted to exchange the prints for others. The program cost the hospital nothing, except for the time of one volunteer. (The paintings were donated by a art company to which I had explained the purpose.) The program was instituted against the strong opposition of most of the staff. The only objection verbalized was that the program 'would cause confusion'. The unspoken objection was that it gave the patients a sense of individuality, of being persons with a disease, rather than being a disease with a person somehow attached to it, and that it treated patients as adults. The patient response to the program was very strong and positive and the program continued very successfully for the next two years. Within three months of my leaving the hospital for another job, the program was discontinued." Another unspoken objection by the staff to LeShan's program was, no doubt, that he had no degrees after his name, and cured patients leave empty beds.

Beyond that are the deeper implications of Quantum Consciousness. Wispy ghostlike waves from hell, or matter within the earth reinforce the hospital staff's "basic attitude that the patient is no longer an individual human being worthy of respect". This is power without love, reducing the healing art to a scientific, mechanical production for money. As the pollution of the air, the water, the earth, and the electro-magnetic pollution of the atmosphere increase, we can see the goal

of the Secret Few who run the Western world at a profit, to keep the majority of the people in a depressed, depleted physical state, more amenable to their soul-destroying philosophy from the underworld. But as they accelerate the decline of Western civilization for their own evil ends, the Secret Few serve the forward-moving, evolutionary plan of the Logos whether they know it or not. Theoretical physicists like Fred Alan Wolf aren't the only ones who know that whatever is born at the physical level must die, sooner or later. But philosopher scientists view life from the indestructible mental level. They know that the death throes of an old civilization are the birth pangs of a new one. Life goes on. Forms made of atoms do not —though the atoms themselves may be as old as the Solar System.

THE QUANTA OF THE GLOBAL CHAINS

The irresistible march of life through the forms of the Solar System is aptly illustrated by Besant and Leadbeater in "Man, Whence, How and Whither". Central to that march is the Judgment Day which comes to each globe or planetary schoolroom midway through its active cycle. About 40% of the life wave of a globe or planet will fail. These laggards fall back and take the work over again. Many of them look down instead of up and tie their consciousness to matter. This is evil if it is done deliberately. Let's call it planetary evil. This anti-evolutionary attitude opens them to guidance by Cosmic Evil serving the Destroyer aspect of creation. Orion the Hunter, mentioned in the Bible, is one such source. Another is a sun in the Great Bear Constellation, reputed to be Dubhe.

If quantum consciousness is allowed to run unchecked on a planet, it can result in the total destruction of the planetary schoolroom. This happened to Globe D of the Moon Chain shown in Diagram II of the Besant/Leadbeater opus. In some of the early teachings it is called Maldek, the remains of which are the asteroids orbiting between Mars and Jupiter except for the largest remnant, Luna "surviving as our Moon," according to Leadbeater, "but the Moon is only what is left of it. . . a globe much diminished in size, on its way to a total wreck -- a corpse, in fact". See also Diagram IV.

In following the distribution of the "sheep and the goats" after the Judgment Day on Maldek, it is apparent that the failures were dumped here on Globe D of our chain, the Earth. So, it shouldn't be surprising that with our Judgment Day fast approaching, we face the same kind of planet-destroying crisis with our nuclear arsenals, created by reincarnated atomic scientists faced with the same choice again. Let us hope that the Will to Good will prevail and that the majority of them will look up to Spirit rather than down to Matter.

EVOLUTION IN THE EARTH SCHEME
OF THE SOLAR SYSTEM

Seven chains of Globes, Life Wave circles each Chain seven times before moving to the next Chain. Earth is Globe D of the Fourth Chain.

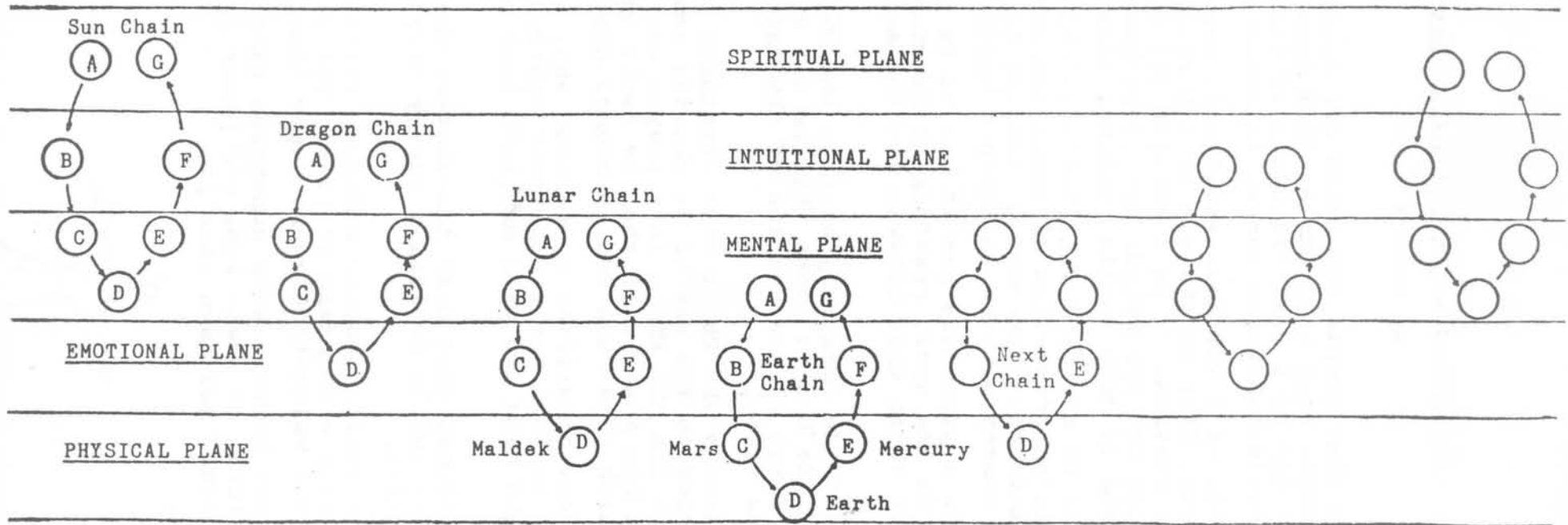


Diagram II, from "MAN, WHENCE, HOW, WHITHER"
By Besant and Leadbeater

IMPLOSION AND THE DERWISH DANCE

by Albert Zock

It is known that people who dance are happier. Not with just any dance of course, only with dances that have a whirl attribute in them and some can be a real "Fountain of Youth." The "Dhikr" for example, a Mevlana-Derwish dance, is such a dance.

In the center of a vertical whirlpool, regardless of its medium, there is stillness, like in the eye of a hurricane. Others have a vacuum or even a suction, as in a twister for example. Swirling water or air, like the Northwind, are refreshing and stimulating. The same law seems to move subtle mediums, like the ether and others.

The Dhikr is no accident. The Mevlana-Derwish teachers understood the beneficial properties of Implosion and they incorporated this principal into the Dhikr-Dance, leading to a kind of trance through which a dancer strives to reach a unity with his god.

Its basis is a pirouette but it has to be performed in a precise way by rotating on the spot, creating an imaginary axis vertically through the heart which ends between the big and the second toe of the left foot.

How important the imaginary axis in the Dhikr is, shows by its training. A neophyte has to learn this on the spot rotation by holding on with his first and second toe of the left foot to a special nail in the dance floor.

A Derwish dances the Dhikr with stretched out arms, the palm of the right hand open to the sky as to receive something, the left palm facing ground. To him the Dhikr is a prayer and when he feels a calm and emptiness in his inner self then he feels an incoming of a beneficial energy which flows out and surrounds him.

A Derwish sees himself as a mediator who, as he rotates in his dance, becomes a channel for a spiritual energy or healing force entering his right hand and with his left hand passes it on to the world.

It can be assumed that most ice-skaters who perform a pirouette are unaware of the subtle Implosion energy they create, contributing to his or her health.

On a smaller scale, dancing a Vienna Waltz will have similar results, not exactly a fountain of youth, but it may explain why people say that the waltz-times were happy times.

Even the first Mormons were convinced that without the dances around the camp fires on their long and weary journey to the Salt Lake area, they could not have made it.



COSMIC BLUEPRINT

Part II

Chapter Eleven of

The COSMIC PULSE OF LIFE

by Trevor James Constable

Dr. Steiner stated in his numerous lectures that lime formations are deposits of living organisms. Shellfish, snails, polyps, and similar organisms have deposited the lime formations of the earth. Dr. Steiner made this observation some seventy years ago. Geochemical research in modern times progressively confirms Steiner's statements. In a relatively recent incident bearing upon ufology, the origin of other earthly matter in life processes was elevated to an even more startling eminence. We reach forward from Dr. Rudolph Steiner in the first years of this century to Ivan T. Sanderson's Uninvited Visitors for one instance worth a thousand.

Biologist-geologist Ivan T. Sanderson was among the scientists interested in ufology who believe that before we seek to understand extraterrestrial life, we should try and better understand terrestrial life. That modern science is woefully derelict in this sphere, is evident from the incident he cites on page 99 of Uninvited Visitors.

"A scientist in Germany was assigned after World War II to make certain surveys of the deep salt mines in Bavaria, where the Nazis had stashed art and other treasures that they had plundered from museums and collections all over Europe. This man, a biologist in its widest sense, happened to become interested in the salt itself, which was laid down under some overwarm sea about 200 million years ago. He took samples and analyzed them, and one of the things that startled him was that living things turned up in the resultant solutions. Naturally, he assumed that these were the product of contamination during the taking of the samples, or later in his laboratory, since all air is choked with such living things as spores and bacteria.

"However, he refined his techniques with every conceivable precaution, and still the living things appeared, until finally he was forced to the conclusion that they were resuscitated generations of creatures that had lived in the ancient sea and become fossilized along with the salt, to rest for millions of years before being "brought back to life." This bizarre experiment was subsequently tested by others, starting from scratch and using both their own and the original methods. Always the same answer."

Limestone and subterranean salt, oil, coal and slate deposits are all produced out of living processes. Then why not the totality of the matter of which the earth itself consists? To the objection that azoic rocks have never been found to contain fossils, there is the work of British biochemist Moreley-Martin as an answer.

Under conditions of total sterility he proved in the 1930's that animal forms exist in and can be awakened from azoic rocks. Such devastating findings wreak havoc upon the neurotic security of those whose whole world conception rests upon the opposite. Like Steiner, Reich, Drown, Abrams, Velikovsky and other genuine scientists, Morley-Martin has been the victim of obscurantism.

Recognizing the epoch-making nature of Morley-Martin's discoveries, the late Meade Layne compiled an introductory brochure on the English biochemist's work, and published it in July 1950 under the imprimatur of Borderland Sciences Research Associates Foundation. Entitled The Morley-Martin Experiments and the Experiments of Dr. Charles W. Littlefield, this valuable document is presently available from BSRF (BSRA #ML-1, \$5.50).

Morley-Martin, by a series of manipulations in total sterility, caused to emerge in microscopic miniature, vertebrate forms such as we know, together with others which no longer exist. Morley-Martin's vigorous condensations and chemical transmutations reproduced these creatures, in his own words, "in the way they probably came out from the fire-mist or the gas of our nebula." Under the microscope, trusted witnesses reported seeing vertebrates take shape within the protoplasm, with the outlines of limbs and claws following, then the heads and eyes. One crustacean developed its legs and then walked off the field of the microscope.

When Morley-Martin died in 1938, he had published only one small brochure, The Reincarnation of Animal and Plant Life from Protoplasm Isolated from the Mineral Kingdom, which appeared in 1934. Renown awaits the enterprising young biochemist who treads this same pathway today, for the lesson of all such work - Morley-Martin's experiments, those of Dr. Littlefield and the earlier Andrew Crosse - is that the opposite of life is not death, but latency. Biogenesis is not the mystery that obscurantist high priests of official science would have their fellow humans believe.

Human experience and experimental results have thus advanced slowly to those conceptions of eternal life on earth first put forward in modern terms by the amazing Steiner. The inert matter of the earth has been precipitated out of the life processes of the earth itself, just as inert minerals appear when we kill any living organism. That is, the corpse becomes of the substance of the earth itself. The unanswerable question is really no longer "When did life appear on earth?", but rather "When was there not life on earth?" The continued and dogmatic teaching in the universities of a world conception rooted in sterility is a fraud against the young. Ultimately, such lies will lead to revolt. (To be continued, © 1976, reprinted with permission.)

We have several copies of COSMIC PULSE OF LIFE available for \$12.95 plus a dollar postage.

BUILD YOUR OWN RADIONIC TUNER

by PETER A. LINDEMANN

Recently, a number of people have inquired to BSRF how to build your own Radionic device. It seems that the schematics that have been published in the past are some how unclear or that the rates that go with them are not understandable. Therefore, I am undertaking this project, to write a article that clearly makes available to the beginner, a useful, easy to understand device for experimental work.

MY PHILOSOPHY

It should be noted that the FDA, US CUSTOMS and the AMA all frown on these devices. Ruth Drown was jailed for treating her patients with one. And many other horror stories can be recounted as to foul treatment of those who use them openly in the treatment of human disease. Most people get into trouble because they make wild claims and actually obtain only average results. The other way people get into trouble is that they do not understand the LAW concerning the practicing of Medicine without a License. I recommend that anyone building one of these devices use it only on yourself. That way you will be very careful what you do and you will not make any claims that you cannot substantiate. Also, you will not be breaking any LAWS, written or unwritten. With that in mind, I gladly make this information available to the experimenter associates of BSRF.

THE BIO-NORMALIZER

I call my system a Bio-Normalizer because it is a bio-feedback device of the subtlest order. It is based on my own researches but is heavily influenced by the work of Ruth Drown, L.E.Eeman and Dr. Bruce Copen. The device, when complete, works very well with rates published by Ruth Drown or Bruce Copen. Since the Drown rates atlas is available from BSRF, this is a good place to begin.

MY PHILOSOPHY CONTINUED

Radionic devices don't do anything. In this sense they are not machines by the classic definition. Neither do the rates represent the various body parts and diseases. The tuners are made of electrical components that perform no electrical functions. You can see why the FDA might have a little trouble with them.

From my point of view, and the point of view of many radionic practioners, Radionics is a form of CEREMONIAL MAGIC. The tuner is only a SOLIDIFIED THOUGHT FORM and the rates represent AGREEMENTS with the subtle nature SPIRITS. Although some radionic practioners are angered by this type of discussion, others are quite comfortable. One thing everyone agrees with; the more people who use a particular system, the better it works for everyone. I believe that each one of us has the ability to make ourselves sick or well. Most of us have resistance to releasing our own inner healer. That is, we don't give ourselves permission to heal ourselves or others unless some "THING" satisfies our analytical mind's doubt. The thought that the "RADIONIC DEVICE" is healing me is often all that is required to release one's own inner healer from behind the wall of doubt. The results can be incredible, but only when you "agree."

Underneath this simple philosophy, there is an intricate ART OF HEALING. The body built itself from scratch in the first place and it can repair itself easily when all the CAUSES for disease are removed.

A Radionic Tuner may be just what some beginners need to discover these subtle laws of living. The mind is the real Radionic Tuner, and what you think about it makes all the difference in the world.

A VITAL RADIONIC SECRET REVEALED

Eight years ago, on the Island of Hawaii, Marty Martin and I were engaged in some serious research into the operational mechanisms of Radionics. Without going into his procedures at this time, maybe some future article, Marty first isolated a profound discovery. When, for any reason, the RNA function of the body is depressed, Radionic treatments were almost always ineffective. But, when the RNA was first stimulated by a specific treatment of the RNA only, then all other radionic treatments became effective. After seeing this phenomena a number of times, we finally interpreted it this way. ALL REMEDIES ARE MADE IN THE BODY BY THE DNA! The radionic method is simply a way of "talking" to the DNA. If the DNA could not get its message out into the cell through the RNA, the treatment seemed not to work. This one piece of information may help you get more consistent results in your work. For us, it eliminated almost all the times that our procedures did not work.

RUTH DROWN REVISITED

In my estimation, all students of Radionics should study the methods of Ruth Drown, especially her discovery of the rates for the Brain Activity Centers. In 10 years of work, I have learned that it is almost never needed to treat a specific organ or gland that is dis-functioning. It is almost invariable underactive because of a SHOCK or a CHOICE has shut down the Brain Activity Center governing that part of the body. By treating the BAC, the body normalizes automatically. Discovering exactly what is obstructing the BAC is sometimes a little challenging, but then no one ever said being healthy was going to be easy.

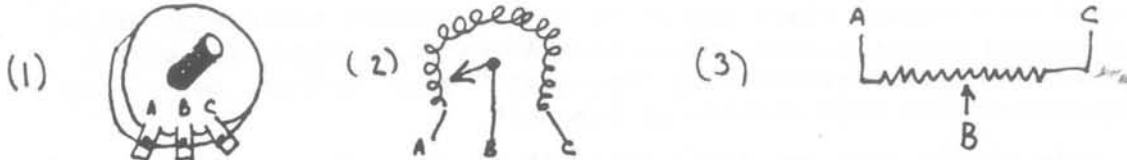
THE CIRCUIT

I could go on and on about procedures, but lets get down to the hardware. A Bio-Normalizer consists of a main rates tuner, a potentizer, over-function and under-function dials, a specimen or witness plate, a detector (either a shtick plate or pendulum plates), and a broadcaster system. With these features and the Drown Rates Atlas, a beginner is well on his/her way to lots of fun and discovery. Like Ruth Drown, I prefer to connect the human body directly to the circuitry. For this I use a modified Eeman "relaxation circuit" to promote movement of the living energy of the body. With all of the body's vibrations circulating in "relaxation circuit," the tuner then becomes simply a modifier that is tuneable. The body is wired to itself - hand to opposite foot, hand to opposite foot, and the head and sacrum pads connect to the tuner. This system brings the full power of the body energy on to the detector plates to exaggerate the indications, thereby helping to eliminate errors in analysis.

The parts list for a 15 dial tuner with pendulum indicator is as follows.

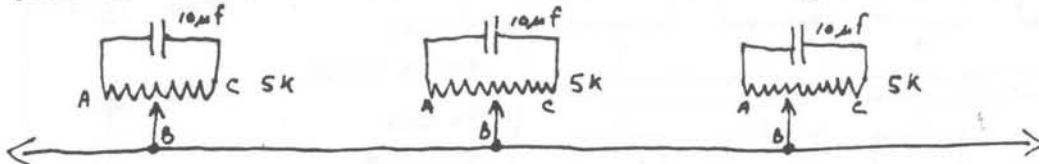
- 17 5K variable resistors
- 17 10 μ f capacitors
- 3 one inch square metal plates (stainless steel is nice)
- 2 banana or RCA plug receptacles
- 1 variable capacitor from an old AM radio
- 1 on/off switch
- 17 dials with numbers 0 - 10
- 1 dial with line indicator
- 1 copper plate two inches square
- 1 briefcase and front panel

The circuitry is of the variable resistive type, with a few differences. First, I realized some years ago that the body energy moving in the circuit is not resisted by the resistors. Since resistance is not the function of the resistor in this case, having the energy flow through the resistor is not necessary for proper function. It is sufficient that the resistor simply make contact with the energy in the circuit. After a lot of research, I devised this wiring method. The variable resistor used is a 5K ohm linear potentiometer. It has three (3) leads or contact points. (see figures 1-3.)



The 5K pot looks something like the figure in drawing (1). I have labelled the three leads A, B, & C. A and C are the two ends of the fixed resistance, and B is the movable member that can sweep around to change the value of the resistor. Drawing (2) is a symbolic diagram of the 5K pot in the same shape as the pot. Drawing (3) is a simple schematic of the same thing.

Next, I attach a 10 μ f capacitor across the 5K pot from A to C on all the pots in a row and then attach all the B leads together in series as shown.



The living energy in the circuit travels along the wire attached to the B's but does not actually go through the variable resistors. When you turn the dial, it impresses into the life force a subtle CHANGE OF RELATIONSHIP between the two halves of the resistor and capacitor set. This is all that is required for tuning. I use dials with numbers already on them for convenience.

Now that you have a rates tuner, you need some way to raise the potency of any given tuning. For this I use the big variable capacitor out of an old AM radio from the junk yard. When you get one of these, you will probably find four or five possible leads to wire it from. Just pick any two that connect to each half of the capacitor.

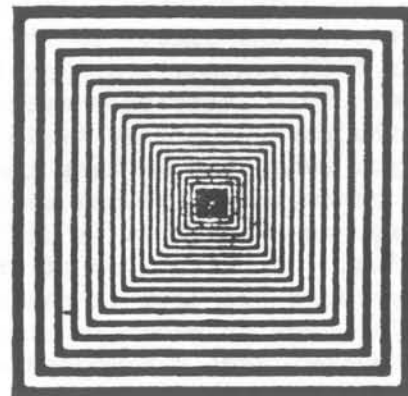
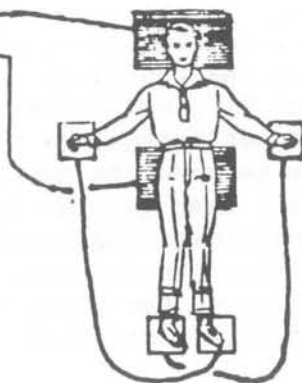
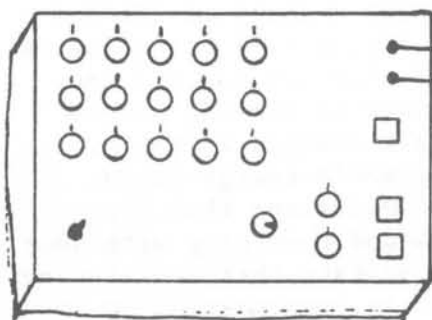
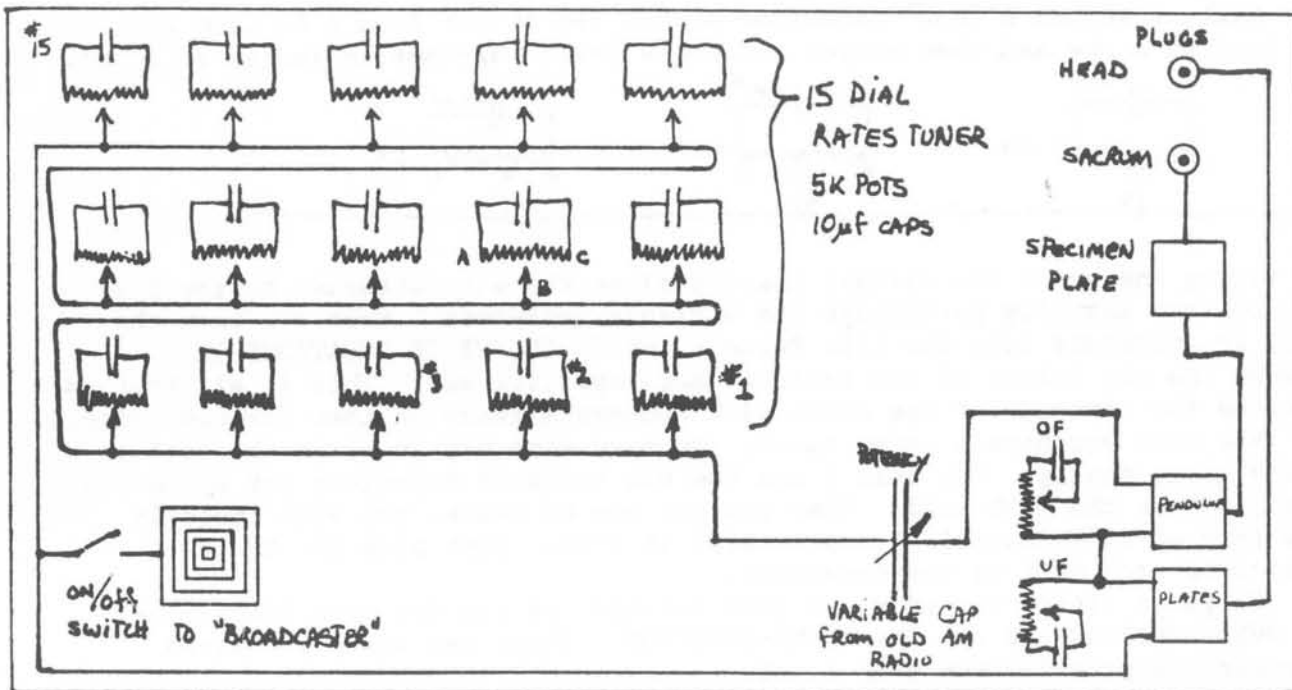
To get a vitality reading on your tunings, we use two more dials; one for OVER-FUNCTION and one for UNDER-FUNCTION. These two dials are wired together and parallel the main tuner.

Next, you need a detector. For this system, a set of two plates, one before and one after the tuner, create an energy field to influence a pendulum. The pendulum movements indicate whether or not the energy quality on the two plates is the same. If the energy is the same, the pendulum will swing freely over both plates, breaking into a clock-wise circle if they are exactly the same. This indication means that the tuning on the tuner is already present in the person's energy field, that is, the tuning hasn't changed anything. If you tune to something that is not present in the person's energy field, the pendulum will swing sideways between the plates. This means that the energy on the plates is different, that is, you have added something with your tuning. Other angles of the pendulum swing usually indicate that your tuning is present but that it needs further development, such as compensation on one of the over or under function dials or the potency dial. With this system, you either want a sideways swing or a clock-wise circle swing meaning NO or YES.

Next, you need a specimen plate (for witness or remedy) and a way to connect the body energy directly to the circuit. These are self-explanatory and are indicated on the schematic.

Finally, you may want to "adjust" your energy quality when you are not in the same place as your radionic tuner. For this you may want a method to impress your tunings into the greater "life force" thereby affecting your intentions at a distance. The best low cost method for this use is a YANTRA or POWER DIAGRAM. The simple concentric squares pattern works very well and can be mounted on a copper plate and wired to the circuit through an on/off switch. A strong magnet placed behind the YANTRA strengthens the effect. There are lots of ways to effectively "broadcast" your tunings, so you may want to experiment with this section of the unit.

Well, this should keep you do-it-yourselfer's busy for a while. One last note. The rates are dialed on to the dials so that all the unused dials are INFRONT of the rate desired. The easiest method for this is to dial the rate up backwards beginning from the right and moving left. If there are any other questions, just call Tom at BSRF Headquarters. Have fun!



THE TESLA OSCILLATING CURRENT TRANSFORMER

by Eric P. Dollard
Wireless Engineer

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WIRELESS POWER

During the period from 1890 to 1900 Dr. Nikola Tesla was engaged in the systematic research of high frequency electric waves with the specific aim of developing a method for the transmission & reception of electric energy through the natural medium. Inspired by the experimental researches of Dr. Heinrich Hertz, Dr. Tesla developed various apparatus with the object of exploring Dr. Hertz's findings. Dr. Tesla found his progress slow until he developed the oscillating current transformer, or what became known as the Tesla Coil. This development allowed Dr. Tesla to progress far beyond the original experiments of Dr. Hertz and thus beyond the so called "modern" CONcepts of radio in present use.

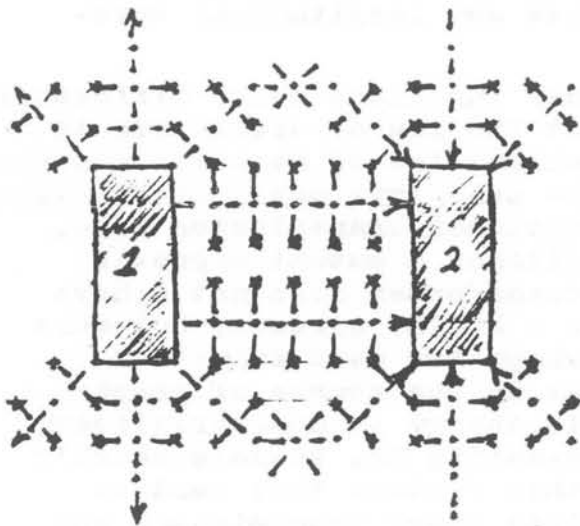
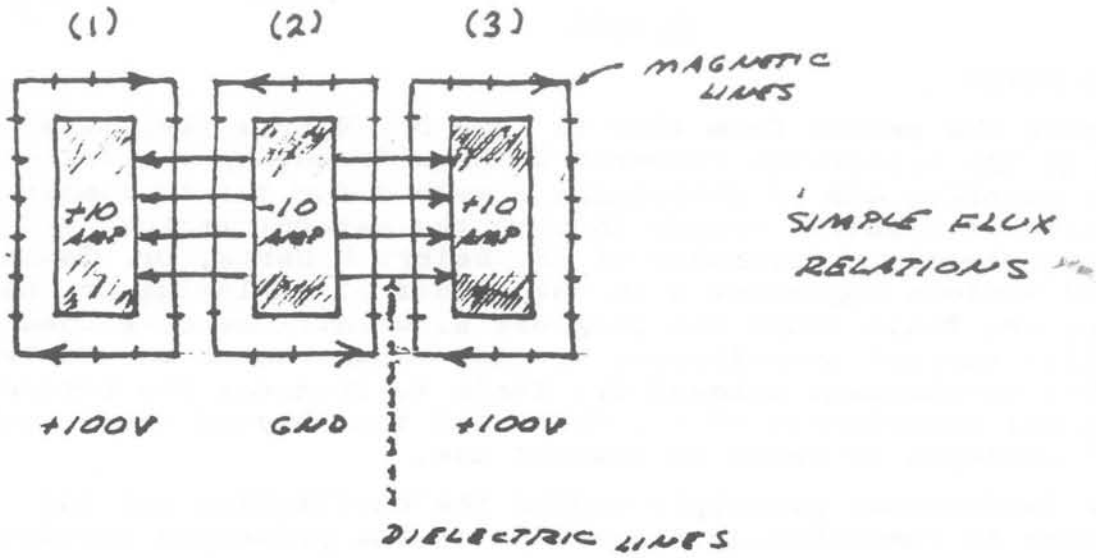
The fundamental principle behind the oscillating current transformer is functionally equivalent to the principle involved in the rotating magnetic field described in my article in the Journal of Borderland Research, March-April 1986. This principle is the transformation between transverse and longitudinal wave-forms.

The oscillating current transformer functions quite differently than a conventional transformer in that the law of dielectric induction is utilized as well as the familiar law of magnetic induction. The propagation of waves along the coil axis does not resemble the propagation of waves along a conventional transmission line, but is complicated by inter-turn capacitance & mutual magnetic inductance. In this respect the O.C. transformer does not behave like a resonant transmission line, nor a R.C.L. circuit, but more like a special type of wave guide. Perhaps the most important feature of the O.C. transformer is that in the course of propagation along the coil axis the electric energy is dematerialized, that is, rendered mass free energy resembling Dr. Wilhelm Reich's Orgone Energy in its behavior. It is this feature that renders the O.C. transformer usefull for wireless power transmission and reception, and gives the O.C. transformer singular importance in the study of Dr. Tesla's research.

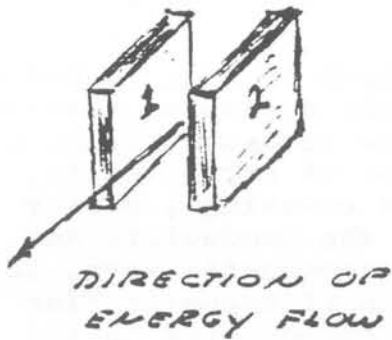
FUNDAMENTALS OF COIL INDUCTION

Consider the elemental slice of a coil shown in fig. 1. Between the turns 1,2 & 3 of the coiled conductor exists a complex electric wave consisting of two basic components. In one component (fig. 2), the lines of magnetic and dielectric flux cross at right angles, producing a photon flux perpendicular to these crossings, hereby propagating energy along the gap, parallel to the conductors and around the coil. This is the transverse electro-magnetic wave. In the other component, shown in fig. 3, the lines of magnetic flux do not cross but unite along the same axis, perpendicular to the coil conductors, hereby energy is conveyed along the coil axis. This is the Longitudinal Magneto-Dielectric Wave.

FIGURE (2)



COMPOSITE FLUX PATTERN OF TWO TURNS



TRANSVERSE WAVE

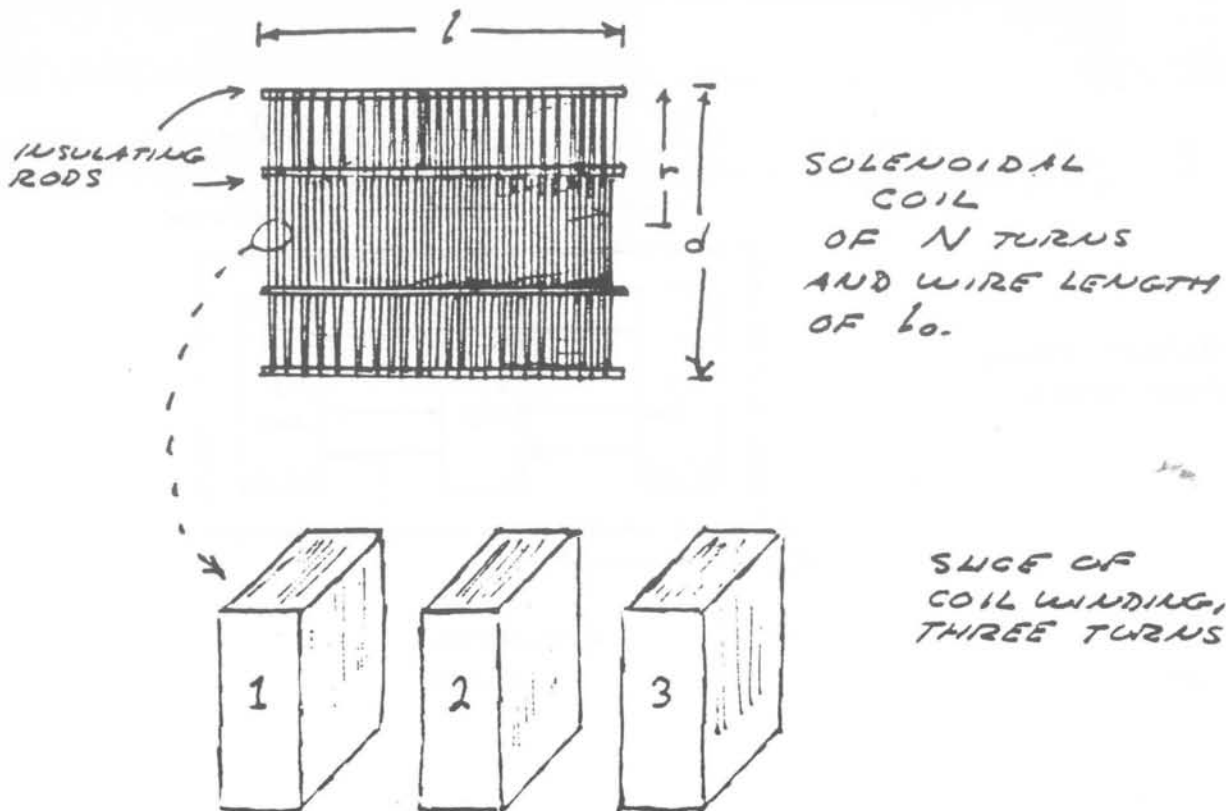


FIGURE (1)

Hence, two distinct forms of energy flow are present in the coiled conductor, propagating at right angles with respect to each other, as shown in fig. 4. Hereby a resultant wave is produced which propagates around the coil in a helical fashion, leading the transverse wave between the conductors. Thus the oscillating coil posses a complex wavelength which is shorter than the wavelength of the coiled conductor.

COIL CALCULATION

If the assumptions are made that an alternating current is applied to one end of the coil, the other end of the coil is open circuited. Additionally external inductance and capacitance must be taken into account, then simple formulae may be derived for a single layer solenoid.

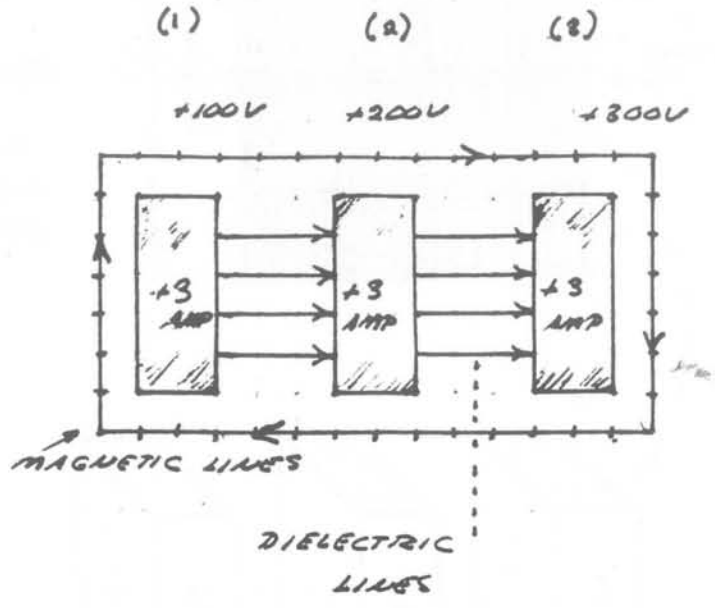
The well known formula for the total inductance of a single layer solenoid is

$$L = \frac{r^2 N^2}{(9r+10l)} \times 10^{-6} \text{ Henry (inches)} \quad (1)$$

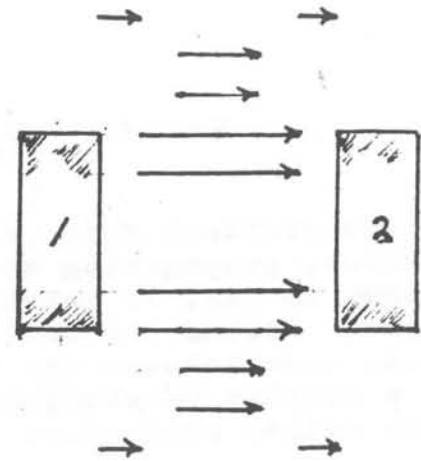
Where
 r is coil radius
 l is coil length
 N is number of turns

FIGURE (3)

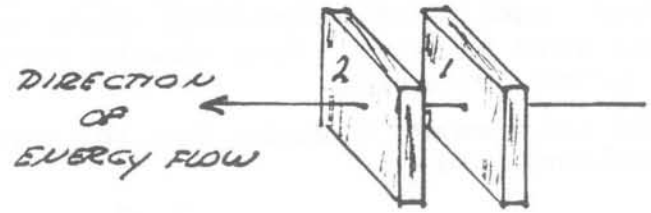
SIMPLE FLUX RELATIONS



COMPOSITE FLUX PATTERN OF TWO TURNS



LONGITUDINAL WAVE



The capacitance of a single layer solenoid is given by the formula

$$C = p r \quad 2.54 \times 10^{-12} \text{ Farads (inches)} \quad (2)$$

where the factor p is a function of the length to diameter ratio, tabulated in table (1). The dimensions of the coil are shown in figure (1). The capacitance is minimum when length to diameter ratio is equal to one.

Because the coil is assumed to be in oscillation with a standing wave, the current distribution along the coil is not uniform, but varies sinusoidally with respect to distance along the coil. This alters the results obtained by equation (1), thus for resonance

$$L_o = \frac{1}{2}L \quad \text{Henrys} \quad (3)$$

likewise, for capacitance

$$C_o = \frac{8}{\pi} C \quad \text{Farads} \quad (4)$$

Hereby the velocity of propagation is given by

$$\begin{aligned} V_o &= 1/\sqrt{L_o C_o} \\ &= \eta V_c \end{aligned} \quad \text{Units/sec} \quad (5)$$

Where

$$V_c = 1/\sqrt{\mu \epsilon} \quad \text{Inch/sec} \quad (6)$$

That is, the velocity of light, and

$$\begin{aligned} V_o &= V_c \eta \\ &= \left[\frac{1.77}{p} + \frac{3.94}{p} n \right]^{\frac{1}{2}} 2\pi 10^9 \text{ Inch/sec} \quad (7) \end{aligned}$$

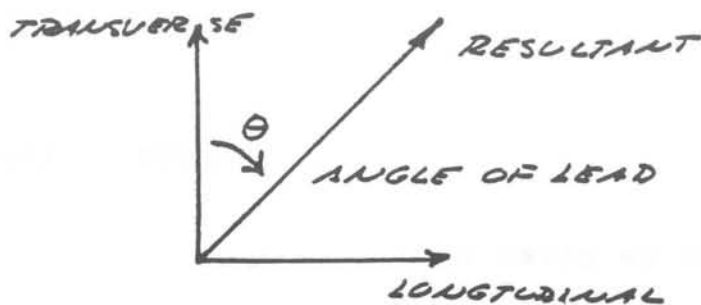
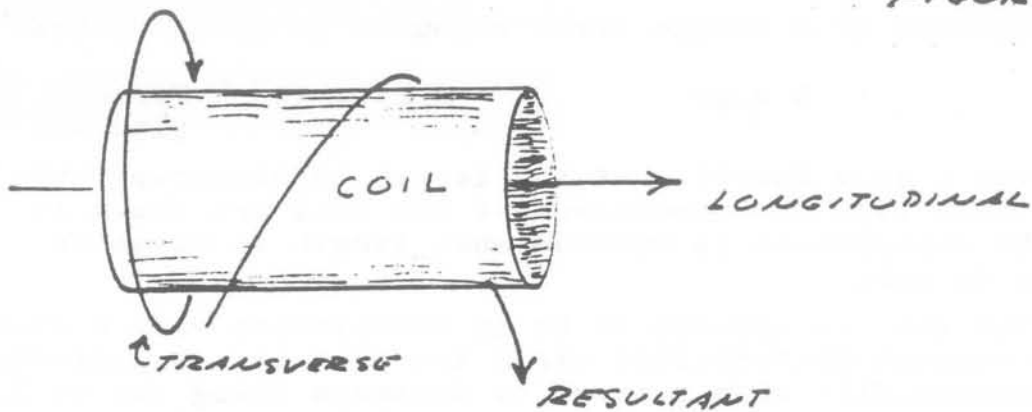
Where n = the ratio of coil length to coil diameter. The values of propagation factor η are tabulated in table (2).

Thus, the frequency of oscillation or resonance of the coil is given by the relation

$$F_o = V_o / (l_o \cdot 4) \quad \text{Cycles/sec} \quad (8)$$

Where l_o = total length of the coiled conductor in inches.

FIGURE (4)



The characteristic impedance of the resonant coil is given by

$$Z_c = \sqrt{\frac{L_o}{C_o}} \quad \text{Ohms} \quad (9)$$

Hence,

$$Z_c = NZ_s \quad \text{Ohms} \quad (10)$$

Where

$$Z_s = \left[(182.9 + 406.4n)p \right]^{\frac{1}{2}} \quad \frac{\pi}{2} 10^3 \quad \text{Ohms (inches)} \quad (11)$$

and N = number of turns. The values of sheet impedance, Z_s , are tabulated in table (3).

The time constant of the coil, that is, the rate of energy dissipation due to coil resistance is given by the approximate formula

$$u = R_o/2L_o = \left(\frac{2.72}{r} + \frac{2.13}{l} \right) \pi \sqrt{F_o} \quad \text{Nepers/sec (inches)} \quad (12)$$

Where r = coil radius

l = coil length

In general, the dissipation of the coil's oscillating energy by conductor resistance:

- 1) Decreases with increase of coil diameter, d ;
- 2) Decreases with increase of coil length, l , rapidly when the ratio, n , of length to diameter is small with little decrease beyond n equal to unity;
- 3) Is minimum when the ratio of wire diameter to coil pitch is 60%.

By examination of the attached tables, (1), (2) & (3), it is seen that the long coils of popular designs do not result in optimum performance. In general, coils should be short and wide, and not longer than $n=1$. The frequency is usually given as $F_o = V_c/\lambda_o$ which by equation (7) is incorrect. Winding on solid or continuous formers rather than spaced slender rods, as shown in figure (1), greatly retards wave propagation as indicated in equation (6), thereby seriously distorting the wave. The dielectric constant of the coil, ϵ , should be as close to unity as is physically possible to insure high efficiency of transformation.

The equations for the voltampere relations of the oscillating coil are

$$\dot{E}_1 = j (Z_c Y_o + \delta) \dot{E}_o \quad \text{Complex Input Voltage} \quad (13)$$

$$\dot{I}_1 = j (Y_c Z_o + \delta) \dot{I}_o \quad \text{Complex Input Current} \quad (14)$$

$$Z_1 = \frac{Z_c Y_o + \delta}{Y_c Z_o + \delta} Z_o \quad \text{Input Impedance, Ohms} \quad (15)$$

Where

- \dot{E}_o = Voltage on elevated terminal
- \dot{I}_o = Current into elevated terminal
- $Y_c = Z_c^{-1}$
- Z_o = Terminal impedance
- Y_o = Terminal admittance
- $\delta = u/2F_o = \text{Decrement}$
- $j = \text{root of } \sqrt{-1}$

For negligible losses and absolute values

$$E_1 = (Z_c 2\pi F_o C_o) E_o \quad \text{Volts} \quad (16)$$

$$I_1 = (Y_c / 2\pi F_o C_o) I_o \quad \text{Amperes} \quad (17)$$

Where

$$C_o = \text{Terminal capacitance}$$

By the law of conservation of energy

$$E_1 I_1 = E_o I_o \quad \text{Volt-Amperes} \quad (18)$$

If the terminal capacitance is small then the approximate input/output relations of the Tesla coil are given by

$$E_o = Z_c I_1 \quad \text{Output Volts} \quad (19)$$

$$I_1 = E_o Y_c \quad \text{Input Amperes} \quad (20)$$

$$I_o = Y_c E_1 \quad \text{Output Amperes} \quad (21)$$

$$E_1 = I_o Z_c \quad \text{Input Volts} \quad (22)$$

*** *** *** ***

TABLE (1)
Coil Capacitance Factor

Length/Width = n	Factor p	Length/Width = n	Factor p
0.10	0.96	0.80	0.46
0.15	0.79	0.90	0.46
0.20	0.70	1.00	0.46
0.25	0.64	1.5	0.47
0.30	0.60	2.0	0.50
0.35	0.57	2.5	0.56
0.40	0.54	3.0	0.61
0.45	0.52	3.5	0.67
0.50	0.50	4.0	0.72
0.60	0.48	4.5	0.77
0.70	0.47	5.0	0.81

TABLE (2)

Length/Width = n	V_0 Inches/Sec	Percent Luminal Velocity - η
0.10	9.42×10^9	79.8%
0.15	10.9	92.2
0.20	12.0	102
0.25	13.0	110
0.30	13.9	118
0.35	14.8	125
0.40	15.6	132
0.45	16.4	139
0.50	17.2	146
0.60	18.4	156
0.70	19.5	165
0.80	20.5	176
0.90	21.4	181
1.00	22.1	187
1.5	25.4	215
2.0	27.6	234
2.5	28.7	243
3.0	29.7	251
3.5	30.3	257
4.0	30.9	262
4.5	31.6	268
5.0	32.4	274
6.0	33.0	279
7.0	33.9	287

TABLE (3)

L/W =n	Z_s
0.10	0.107×10^3
0.15	0.070
0.20	0.116
0.25	0.116
0.30	0.116
0.35	0.115
0.40	0.115
0.45	0.114
0.50	0.113
0.60	0.110
0.70	0.106
0.80	0.103
0.90	0.099
1.00	0.095
1.5	0.081
2.0	0.070
2.5	0.061
3.0	0.054
3.5	0.048
4.0	0.044
4.5	0.040
5.0	0.037
6.0	0.032
7.0	0.028

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Books by Eric Dollard

CONDENSED INTRO TO TESLA TRANSFORMERS. This book is an abstract of theory and construction techniques of Tesla transformers. It is the result of experimental investigations and theoretical considerations. Includes relevant Tesla patents and an article on capacity by Fritz Lowenstein, Tesla's assistant. (BSRA #TE-1).....\$5.50

INTRODUCTION TO DIELECTRIC & MAGNETIC DISCHARGES IN ELECTRICAL WINDINGS. Theory of abrupt electrical oscillations such as those used by Tesla for experimental researches. Contains ELECTRICAL OSCILLATIONS IN ANTENNAE AND INDUCTION COILS by John Miller, 1919. This is one of the few articles containing equations useful to the design of Tesla coils. (BSRA #TE-2).....\$5.50

CLIPS, QUOTES & COMMENTS —

A CLIP,



Austin Osman Spare, 1904. Reprinted from EARTH INFERNO, 1980 microfiche edition, Askin Publishers, 16 Ennismore Ave. London W4, England.

A QUOTE

" In course of life you reach a time,
When Doctor, Lawyer, Priest alike,
Does fail to give the sought relief,
To troubled mind or burdened heart--
Then come to me:
I help you to help yourself."
-Dinshah-

A COMMENT

"How is truth to be found?"

"By investigation, experiment and reason.

"Every human being should be allowed to investigate to the extent of his desire - or ability. The literature of the world should be open to him - nothing prohibited, sealed or hidden. No subject can be too sacred to be understood. Each person should be allowed to reach his own conclusion and to speak his honest thought.

"He who threatens the investigator with punishment here, or hereafter, is an enemy of the human race. And he who tries to bribe the investigator with the promise of eternal joy is a traitor to his fellowmen.

"There is no real investigation without freedom - freedom from the fear of gods and men.

"So, all investigation - all experiment - should be pursued in the light of reason.

"To throw away your reason at the command of churches, popes, parties, kings or gods, is to be a serf, a slave.

"It is not simply the right, but it is the duty of every man to think - to investigate for himself - and every man who tries to prevent this by force or fear, is doing all he can to degrade and enslave his fellowmen."

Robert G. Ingersoll, from Atheist Truth vs. Religion's Ghosts, American Atheist Press, Box 2117, Austin TX 78768.

TOOLS

A hammer can be used to build a building. It is a functional tool of construction. A hammer can also be used to club someone or something to pieces. It is a functional tool of destruction. A hammer is neither good nor evil, it is merely a tool. So it is also with our objective reality. There is no good or evil until a sentient will is impressed upon it. Manifestation is a tool for our learning.

Truth is beyond good or evil. Truth is the free flow of water down the mountainside, the harvest ripening in the sun. The way of truth is the way of the Gnostic. Not a dogmatic Gnosticism, but the knowing of the ways of nature and their attachment with your inner being. To KNOW, not just thinking you know!

CAN YOU SPOT the GNOSTIC?

A SPECIAL PREVIEW OF THE EXCITING NEW GAME SHOW PREMIERING NEXT FALL ON ABC-TV!

No. 1 MY NAME IS DR. BISHOP MR. MATHERS. I HOLD 43 VALID LINES OF APOSTOLIC SUCCESSION, INCLUDING LINES FROM JOSEPH RENE VILATTE, RUDOLPH STEINER, ALEISTER CROWLEY, AND MARCEL LEFEBVRE!

No. 2 THIS IS THE VOICE OF VISHNU FROM VENUS, HOVERING IN SHIP NO. 216 ON THE INNER PLANES, WITH A MESSAGE ABOUT LOVE!

No. 3 WALKED 47 MILES OF BARBED WIRE, USED A COBRA SNAKE FOR A NECK TIE, GOT A BRAND NEW HOUSE ON THE ROADSIDE, MADE FROM RATTLESNAKE HIDE! WHO DO YOU LOVE?

No. 4 UH... I'M FROM FEDERAL EXPRESS. I'VE GOT A COURIER-PAK FOR YOU... PLEASE SIGN YOUR NAME ON LINE 17 PLEASE!

ANSWER: YEP, IT'S #4... THOUGH #3'S A CLOSE SECOND!

Winney

Reprinted from THE GNOSTIC, Spring 1985. THE GNOSTIC is the newsletter of the Ecclesia Gnostica Mysteriorum (Church of the Gnosis). 3437 Alma, #23, Palo Alto, CA 94306

The Planet

The cure for cancer was covered up

Treatment suppressed since 1930s

It has been a secret for many years -- more than 50 years in fact. It is a secret that is a shame of the medical profession and another example of complacent press, another example of a scientific conspiracy that resembles more a medieval guild protecting its financial interests than a profession dedicated to public service, and another example of a political system afraid to promote the public good when it clashed with powerful elites.

This story also demonstrates how apathetic, asleep, cowardly and unwilling so many individuals, especially the self-righteous "new agers," actually are when given the opportunity to take real initiatives which could rectify monstrous wrongs.

The secret is the cancer cure.

Before detailing this fundamental wrong, it is important to emphasize what 50 years of covering up a cancer cure has meant in terms of suffering. Almost every family in America has been touched by the horror of lingering deaths by cancer. Those who haven't been directly affected have known neighbors and friends who have been the victims of both the disease and the arrogant scientists, government bureaucrats and financial elites who are responsible. Children have been among the many millions who have not only been abandoned to cancer's excruciating pain and protracted terror, but to existing, stupid, torturous, experimental procedures which don't work. In a word, the American medical and political "establishment" are guilty of gross misconduct.

Our nation is premised upon democratic procedures, checks and balances, competition, and the correction of abuses through open discussion which lead to institutional change. In the matter of this 50 year old cancer cure, all of the above have not worked. The cancer cure was suppressed. Agencies, both public and private, were not responsive. The cost in human lives and wasted resources has been staggering. A Vietnam War, the countless annual deaths in automobile accidents, or the lives prematurely ended because of inferior nutrition caused by poverty together cannot match the number who have died horribly because America's culture could not expose and then break the vested interests which perpetrated this crime. And if Colorado Governor Lamm's figures are correct, one-third of Americans now living will die of cancer in the future. Americans who need never have had Cancer!

A lawyer who learned about the material in this article was shocked. He stated emphatically that huge amounts of money could be concentrated within a short time to begin the new tests, to bring together a new genera-



tion of committed scientists, and to promote the needed public education. So perhaps finally -- if enough of us insist on it -- America's institutional ability to correct this outrage can be demonstrated. But don't hold your breath. Without a major, on-going, public commitment and a national authority to oversee the effort and report regularly on the progress being made, it is unlikely that swift, significant remedies will occur.

In another article in this issue (*The Timid Press*, Page 1), syndicated columnist Mary McGrory's acceptance speech upon receiving the Lovejoy journalism award is reported. In that talk, Ms. McGrory advocated that readers read their papers "with the idea of doing something." In a similar vein, the article on the changing weather and the scientific coverup involved, science philosopher Paul Feyerabend is quoted when he calls for "duly elected committees of laymen" to judge the efforts and recommendations of scientists.

Certainly, if anything deserves both the individual reader's commitment as well as participation in oversight committees, it is the investigation into this cancer cure and the development of procedures to bring this cancer cure into practical use as fast as possible.

This story is somewhat technical, but the complicated scientific details will be omitted in order that you, the reader, can grasp the essentials. The specifics can be checked elsewhere and it is hoped that enough of you -- including experts capable of initiating action -- will do so. A mobilization is required, for not only cancer, but AIDS and many other diseases threatening us are potentially capable of being eradicated if we, the people of the United States, get off our collective asses.

In the 1920s a scientist-inventor named Royal Raymond Rife invented a new kind of

microscope. In an article which appeared in *New Age Journal* March 1976 (and which produced little from *New Age* editors or readers), the story of Rife's microscope and cancer cure was detailed. Since then, Rife has been nominated for the "Alternative Nobel Prize" which is annually awarded in Europe as a protest to the more established, less risk-taking Swedish honor. Yet, little notice of Rife and his miraculous discovery has infiltrated the establishment medicine's research consciousness.

Rife's microscope was a stunning advance. Unlike the electron microscope, Rife's microscope made it possible to study "living" bacteria, viruses, and so forth. An electron microscope kills its specimens. Rife's remarkable breakthrough used a new approach to bend light. As a result, Rife was able to prove that bacteria could change their form. In effect, they could become cancer causing viruses.

Rife then implanted his cancer-causing bacteria into rats. Tumors subsequently developed. From here, Rife made the startling discovery that the bacteria could change into a completely different form if the "medium on which they were living" was slightly altered. In other words, Rife's cancer causing substance was, in some forms and in association with some environments within the body, deadly. But in other forms and in other environments, benign. His cancer-causing substance could be changed back-and-forth from one to the other. The implications of this discovery are obvious. Cancer cells might be transformed to healthy cells again!

Rife then began beaming different frequencies of light on these microorganisms. Up until the early 1950s, Rife perfected this method. As Christopher Bird reported in the 1976 *New Age* article, "many lethal organisms such as those of tuberculosis, typhoid, leprosy... appeared to disintegrate or 'blow up' in the field of his microscope." This same "death ray" was applied to cancers in rats. It worked!

The next step was humans. The result? Here is Rife's report: "The first clinical work on cancer was completed under the supervision of Milbank Johnson, M.D., which was set up under a special medical Research Committee of the University of Southern California. Sixteen cases were treated at the clinic for many types of malignancy. After three months, fourteen of these so-called hopeless cases were signed off as clinically cured by a staff of medical doctors and Alvin G. Foord, M.D., pathologist for the group.

Throughout the 1930s, Rife and associates

continued their work. In 1940, Arthur W. Yale, M.D. reported that Rife's discoveries were an "entirely new theory of the origin and cause of cancer, and the treatment and results have been so unique and unbelievable" that we may be able to "eliminate the second largest cause of deaths in the United States."

But it was not to be!

There were powerful doctors whose careers were based on the theory that bacteria could not change its form. Rife's discovery threatened their status and their own research. (It was like the invention of the automobile for a horse-drawn carriage driver.)

One of these "authorities" was Dr. Thomas Rivers of the Rockefeller Institute. Another was Harvard microbiologist Dr. Hans Zinsser. The cancer cure was killed by the powerful.

One of Rife's supporters, Dr. Edward C. Rosenow, a pioneer bacteriologist, sadly commented at the end of his life, "They simply won't listen."

Others have followed Rife and have confirmed different aspects of his theory, but since they are few in number and are promoting a cause contrary to the medical establishment's approved philosophy, they are not supported. Even publishing their findings is difficult if not impossible because of the dominant medical orthodoxy which has reigned since the 1930s!

Christopher Bird's 1976 *New Age Journal* article contained a summation of the political coverup as perceived by the Lee Foundation of Nutritional Research in Milwaukee. According to Bird, the Lee Foundation "maintains that Rife, his microscope and his life work were tabooed by leaders in the U.S. medical profession and that any medical doctor who made use of his practical discoveries was stripped of his privileges as a member of the local medical society."

The Food and Drug Administration (FDA) still bans treatments similar to those of Rife.

And how many millions of dollars are annually "invested" in the establishment's preferred quackery and tenuous gimmicks?

Those interested in pursuing this matter, which as a first step means forming a national committee of scientists, administrators, "candotypes" and laymen to monitor and correct this crime are encouraged to contact *The Planet*. Perhaps citizen action is not entirely dead in this country yet.

Or have we truly lost our nerve, our fighting spirit, and our 1776 contempt for aristocracy assuming dictatorial rights over our bodies and minds?

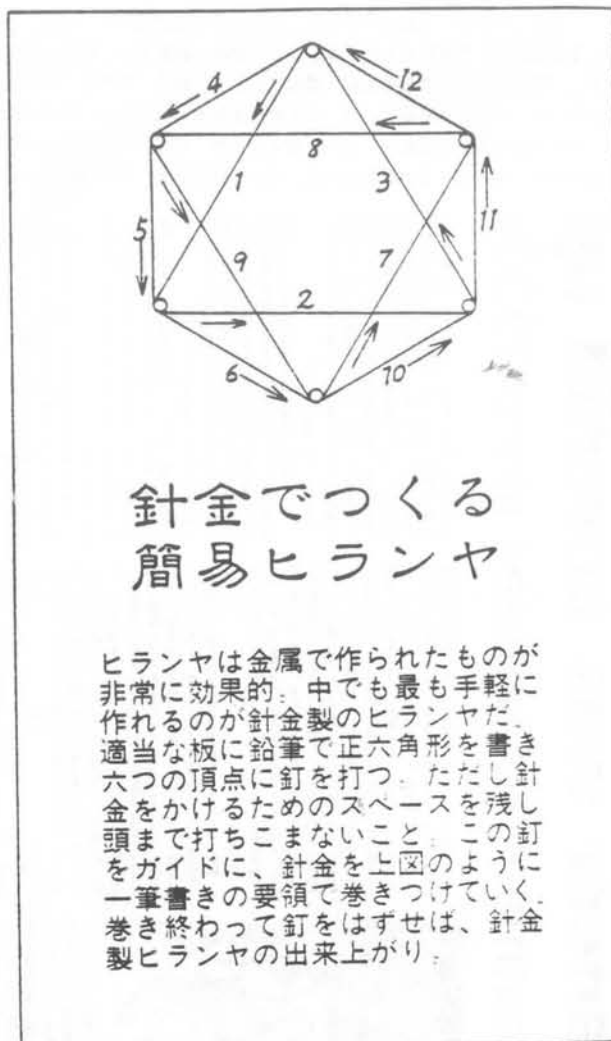
RIFE MICROSCOPE UPDATE

In the Jan-Feb 85 *Journal of Borderland Research* was an article entitled, "Where are the Rife Microscopes?" by Edith Kermit Roosevelt. The article described the disappearance of optical microscopes capable of seeing viruses. The inventor, Royal Raymond Rife, used the microscopes to watch the effects of various frequencies on the viruses and learned to kill them via the correct frequency.

The most complete document available on Rife's work is the POLARITY RESEARCH MANUAL (For Research Only) by John Crane, assistant to Rife. The book is approximately 900 pages and is available from Borderland for \$120 pp. A lot of valuable documentation is contained within.

HIRANYA COIL

The schematic to the right shows how to wind a six-pointed Hiranya Coil. BSR Associate and good friend Akihiko Hayakawa, of Japan, has sent us a book detailing the use of these coils. Since no one here at BSRF headquarters can read Japanese we are relying on the pictures in the book for information. From the book it would appear that these coils are quite popular in Japan at present. Many experiments are shown such as flowers growing in a vase over a coil or a symbol as below. A control vase sits beside. The coil powered plant is much more healthy than the control. This is very similar to Lakhovsky's resonant coils around a plants base. The same results are obtained. Other experiments shown are spoilage comparisons between various substances such as rice, raw egg, milk, etc. It can be seen that the coil or symbol will preserve foods longer than normal. This, of course, was a favorite experiment of pyramid researchers. I did some experiments along these lines in high school with tile pyramids. We welcome feedback on any experiments you do with these coils.



हिरण्य

The book is called Hiranya Coil, (Cosmic & Biotic Energies Psychotronics Generator) by Mr. Yuji Miyake. © October 16, 1985, Nippon Hoso Publication Co, Ltd., 193 Yuraku Town, Chiyoda Ku, Tokyo, 100, JAPAN. No price or ordering information is available. The book includes symbol-stickers which we will be using in sprout growing experiments. As controls we will be using various Lakhovsky antennas and pyramid generators.

The symbol to the left can also be used as a YANTRA broadcaster such as the concentric squares shown in Peter Lindemann's article in the front section of this Journal.

CONTACTS

Contacts is a regular feature of the Journal of Borderland Research. It is an open bulleting board for BSRF members to contact each other and express their interests. It is not a free advertising page to be taken advantage of. We will also list organizations and groups who look interesting to our readers or who we feel deserve Borderland's support.

- * Anderson Research Foundation, 2942 Francis Avenue, Los Angeles CA 90005. Run by Dr. L.O. (Andy) Anderson, this is a good local contact for Southern Californians interested in Borderland subjects such as Psychotronics, Alternate Health, Floatation Tanks, etc. Andy is presenting local classes in Practical Psychotronics. His phone number is (213) 387-9164.
- * Hans W. Nintzel, R.A.M.S. (Restorers of Alchemical Manuscripts Society) Produces old alchemical texts into modern English. 733 Melrose Drive, Richardson, Texas 75080
- * Huna Research Associates, Dr. Otho Wingo, 126 Camellia Drive, Cape Girardeau, Missouri 63701. Carrying on the work of Max Freedom Long. Publishes HUNA WORK (\$20/year). Phone is (314) 334-3478.
- * Pheonix Books LTD. 295 Brehl Ave. Columbus, Ohio 43223. (614) 274-0698. Mail order Borderland type books.
- * American Society of Dowzers - West Coast Conference, July 12-15, 1986. Information from ASD, 6062 Montgomery Bend, San Jose, CA 95135.
- * Acupuncture Review, 122 Virginia Street, St. Paul MN 55102. A quarterly analysis of current acupuncture and related research. \$20 per year (US and Canada) \$25 elsewhere. A recent article was on Acupuncture and T.E.N.S. (Transcutaneous Electrical Nerve Stimulation).
- * Hans Nieper Research Foundation, c/o Chrystyne Jackson, 33382 Via De Agua, San Juan Capistrano, CA 92675. Dedicated to the promotion of scientific research and education which will result in a future of greater health and happiness for mankind. The Foundation seeks to support a continuation and expansion of the scientific research begun by Dr. Hans Nieper of Hannover, West Germany. (714) 240-3775
- * Aeon Press, PO Box 738, Seattle WA 98111. Publishers of AEON - a tantric-occult magazine, issued bi-annually on the Spring and Autumn Equinoxes. \$8.00 per copy. For the open minded researcher, not the close minded looking for sugar-coated beatitudes. Good listings of other contacts.
- * Sarosh Dinshah Ghadiali, Dinshah Education Service. Excellent source for precision researches into the use of light and color in balancing our lives. Publishes "Compendium of Light and Color" which covers the work of his father Col. Dinshah P. Ghadiali. (\$6.00 PP) Also is a source for his father's three volume Color Encyclopedia (\$50 PP). These four books should be required reading for any serious Borderland Researcher. The benefits of reading them far outweigh the cost!!
811 St. Louis Ave., Ferndale, MI 48220 (313) 547-5656
- * Fund for UFO Research, PO Box 277, Mount Ranier, Maryland 20712. Publishes a quarterly report on current and still unexplained documented sightings. Source of FOIA released government documents on UFOs. Setting up a Rapid Deployment Fund for immediate investigation of UFO sightings.

Please send us any information we can use in this section, thanks.

THE SPACE SHUTTLE

Since the explosion of the Space Shuttle Challenger we have heard and read many differing theories. It was a warning from the Space Brothers, we are now on notice that this old globe is about to get kicked in the cosmic rear. (What about the Space Sisters? The 'New Age' is supposed to be the end of chauvinism!!) At the Los Angeles Psychotronics meeting in February a woman psychic got up and said that she was on the Shuttle when it blew. She also said that Tom Bearden claimed that it was Commie Scalar Waves (maybe?). Another source blamed it on Russian psychics. All in all the disaster appeared to be used to excite political or religious fears, or to promote some income producing theory. Chances are that a seal blew in the solid rocket booster. Hey, human error is still an acceptable culprit.

Of all the offbeat theories coming in, one stood out as being rational and perhaps possible. BSR Associate Joseph Bartkowski writes, "The Shuttle disaster is still a mystery to many, but for the Borderland Researcher who has read all BSRA Publications it is no mystery. It is the same as what happened to the German Zeppelin HINDENBURG in the 1930s at the New York Airport, as it too suddenly burst into flames, killing many of it's passengers. Viktor Schauburger's explanation is: "The disaster in the thirties of the American airship ACRON and the German airship HINDENBURG, have probably been caused by diffusion of their gasses. The ACRON was filled with helium and it's diffusion caused rain, whereas hydrogen turns into fire. An analogue to the helium synthesis can be found in the natural process of rain." Quote from 'Diffusion a la Viktor Schauburger' in IMPLOSION, V.S. and the Path of Natural Energy. Article by Albert Zock.

All we can do is offer prayers for the Shuttle crew and hope that their deaths will open up the government to using safer, more efficient methods of getting off the planet. Anyone still believing that the government isn't covering up the reality of UFOs and an expanded private space program is either brainwashed or uncaring.

FLYING SAUCERS OVER ARGENTINA

Translation of the article "Extrano Episodio en Misiones", which was published on Wednesday March 12th, 1986 by the Argentine newspaper "Clarín".

'Strange Event at Misiones' Blackout and an UFO Appearance

"The city of Posadas (Capital of Misiones Province) was completely blacked out on Monday night (March 10th, 1986), at that moment many people sighted an UFO.

"In less than one hour flew twice over the Misiones Territory, the day before yesterday's night, an UFO which flight was followed by many witnesses. The appearance of the strange body over Posadas city, Monday 7:55 PM, happened in coincidence with a blackout that left in the darkness this provincial capital for some five minutes, due to causes that could not be ascertained by the technicians of EMSA, the state managed electrical utility in that province.

"Mrs Olga Fonseca, living at No. 662 San Martin St. at the very heart of the city, indicated the UFO "Flew very low, Northwards, at a great speed, but without generating any noise". This woman added the flying object "issued blue and red shines and I can assure you in no way was it a plane or meteorological globe".

"Mr. Ramon Romero, in charge at the time of the shift at the weather station working at the Libertador General San Martin Airport, commented that at that time "I saw a greatly lighted object flying from West to East some 30° over the horizon, which I could clearly sight for 4 or 5 seconds".

"The man in charge of the weather station added that, through contacts with other colleagues, he could learn the strange object was also sighted at Presidente Roque Saenz Pena city, Province of Chaco.

"At 8:30 PM the flying saucer passed over Puerto Rico, some 150 kilometers North of Posadas, where it was sighted by Patrick Jost and some friends who, suddenly, interrupted a session of mate (South American tea infusion) to witness this event qualified as 'unforgettable'. "In the beginning, we believed it was a falling star, but at once we discarded this when watching the displacement and features of the object" stated Jost to specify that "obviously it was a manned ship, i.e. it was driven towards a certain place, and it was saucer-shaped".

"Jost and his friends assured the appearance of the UFO produced a great luminosity, "we almost had daylight in full for a few seconds", and they added the object flew Northwards swiftly leaving a red-blue trail.

"The technical division of the electrical utility EMSA confirmed the blackout was in coincidence with the appearance in the sky of the strange phenomenon, but could not ascertain the reasons for the energy loss which kept the city of Posadas in the darkness during some five minutes." End of Article.

BSR Associate Jorge Resines keeps us up to date on the South American UFO scene. We thank him for translating and sending this article. He also writes, "The government-controlled Buenos Aires TV is covering up anything that goes on UFOs, except for Channel 11; there was the landing of 4 of these ships at the province of Cordoba and only Channel 11 reported, the others were silent as a corpse."

Well Jorge, at least you have Channel 11. U.S. television only lies to everybody. The only "news" (so called) that we get is whatever currently makes our docile populace go along with the plans of the propaganda masters in New York and Washington D.C. If we were to be told about UFOs it would only be if it was convenient to blame it on the Commies. That is the advanced level our civilization has evolved to!

Jorge Resines also writes articles for SHAVERTRON - The Only Source of Post-Deluge Shaverania, available for \$10 a year from Rich Toronto, PO Box 248, Vallejo, CA 94590. Foreign subs are \$11 surface and \$13 air. SHAVERTRON keeps you thinking. Jorge's article in the latest issue covers telepathic broadcasting via electronic technology, and its potential to create a fake "space brothers" religion. His work deserves reading.

1986 CATALOG

We have finally gotten our 1986 Catalog together. Borderland now carries around 80 titles plus back issues to 1971. Titles include a variety of radionic books, Riley Crabb's informative Flying Saucer lectures and Riley and Judy Crabb's Kabalistic Studies lessons. New titles are being added through the year and we will keep you up to date in this Journal. The catalog can be had for \$1 to help pay postage and printing.

In our files here we have Riley Crabb's lectures on reel-to-reel tape. In order to preserve this historic record we would like to make cassette masters of them all. Time and money have cramped us in this project. Anyone who can help in this preservation project should contact us here at BSRF Headquarters. We would then list these tapes in future issues of the Catalog.

TESLA BOOK COMPANY FOR SALE

Tesla Book Company has announced the sale of its business. The owners wish to retire, and the business has grown to be larger than they can comfortably handle. Included in the sale is 30 years of original Tesla research materials and a mailing list of over 10,000. For additional details contact John Ratzlaff, 1580 Magnolia Ave., Millbrae, CA 94030. (415) 697-4903.

POSSIBLE BORDERLAND EXPANSION

Borderland Sciences has gotten to the point where we spend 90% of our time answering the mail. We are at the point where we must expand in order to extend the reader base of the Journal and to get all the titles into print that we have backlogged. In the process of looking to expand we have looked into getting the Tesla Book Company and use it as the publishing branch of BSRF. In order to proceed with this project we need money and people.

As you can see from Eric Dollard's article in this Journal we are putting out Tesla material with no secrets or high-falutin' explanations that are useless and non-functional. Some of Eric's articles will be technical oriented, some will be easy to read for all our members. The article in this Journal is the first article ever showing how to correctly calculate a Tesla Coil. This is just the beginning in this area. With the Tesla Book Company files we can really do a good job of getting out good clean information.

This is just one area of Borderland's work, but it is an important area and the Tesla Book Company is available now. If you can help us get this together give me (Tom) a call at (619) 724-2043.

Other projects are a possible upgrading of our California Tax Exempt Status to Federal Exemption, an expansion into functional working quarters (at present there is no distinction between our personal or business lives), and perhaps a working center with indoor projects (Tesla lab) and outdoor (implosion gardens, bio-dynamic composting, agri-radionics, etc.). We have also thought of creating a data-base with our radionic and UFO files. A good computer can be a beneficial tool. We are open for suggestions.

MWO UPDATE

There has been quite a bit of renewed interest in the Lakhovsky Multi-Wave Oscillator. The antennas on the currently popular MWO system (as pictured to the right) serve as simple capacitor plates which transmit dielectric waves out of the Tesla Coil. The second MWO plate in such a system must be connected to a second Tesla coil or to a double pole (half wave) Tesla coil (May-June 1971 RR), not a single pole (quarter wave) Tesla coil as per the BSRA book on Lakhovsky and Klark Kent's update in the Jan-Feb 86 Journal. Action in the MWO antenna is neutralized by the fact that capacitor currents flow radially inward and little electron current flows around the loops. The above system operates 1000 times stronger if a spark gap exists across the double coil. A description of this action is in Dollard's book 'Dielectric & Magnetic Discharges'.

Lakhovsky's MWO transmits electromagnetic waves. A Tesla coil is not required since the MWO is the coil. However a Tesla coil still can be used as the high voltage power supply.

Scaling the rings non-uniformly using correction factors is not needed according to log periodic antenna theory. Lakhovsky states that any high frequency radiating circuit will drive the antennas. We are striving for waveforms mirroring the harmonic laws of nature. As an example the old Yagi antenna has non-uniform distribution of the elements. Log periodic design uses the uniform distribution of the elements such as is found everywhere in nature. This presents superior MWO performance.

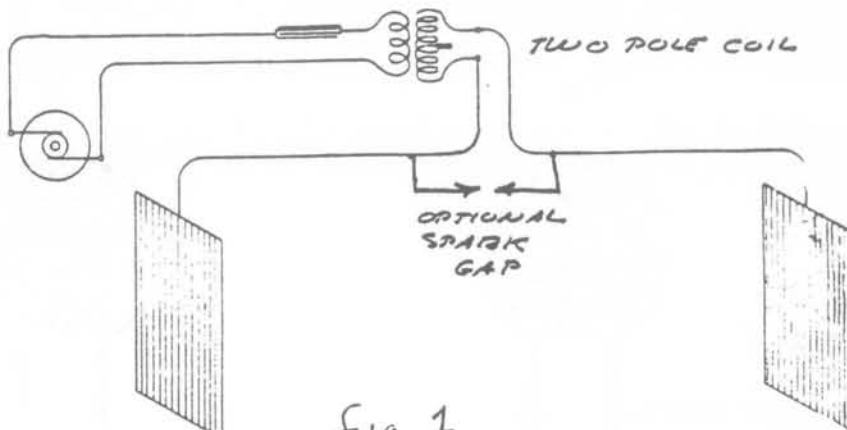
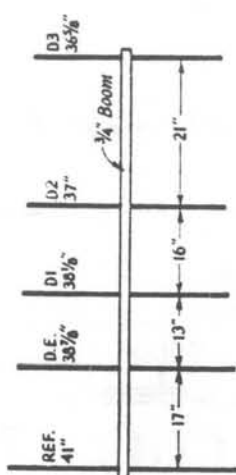
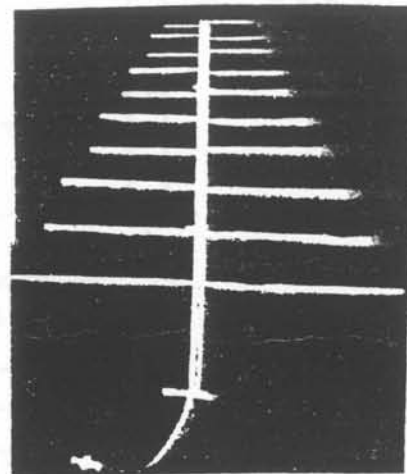


fig. 1



YAGI



LOG PERIODIC

fig 2

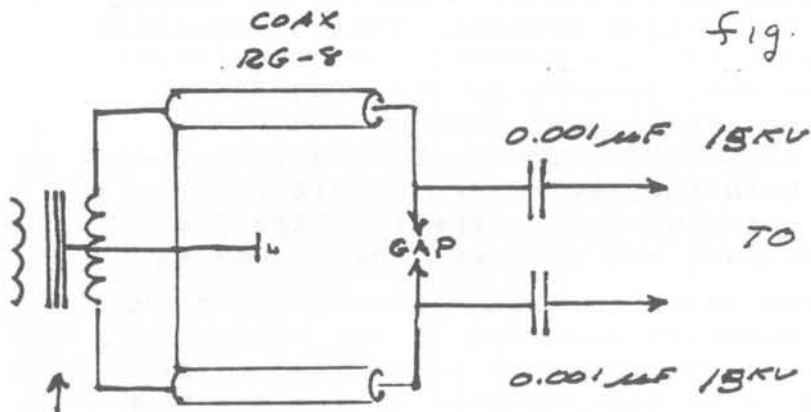


fig. 3



H.V. TRANSFORMER
 RG-8 COAX
 MWO Power Supply

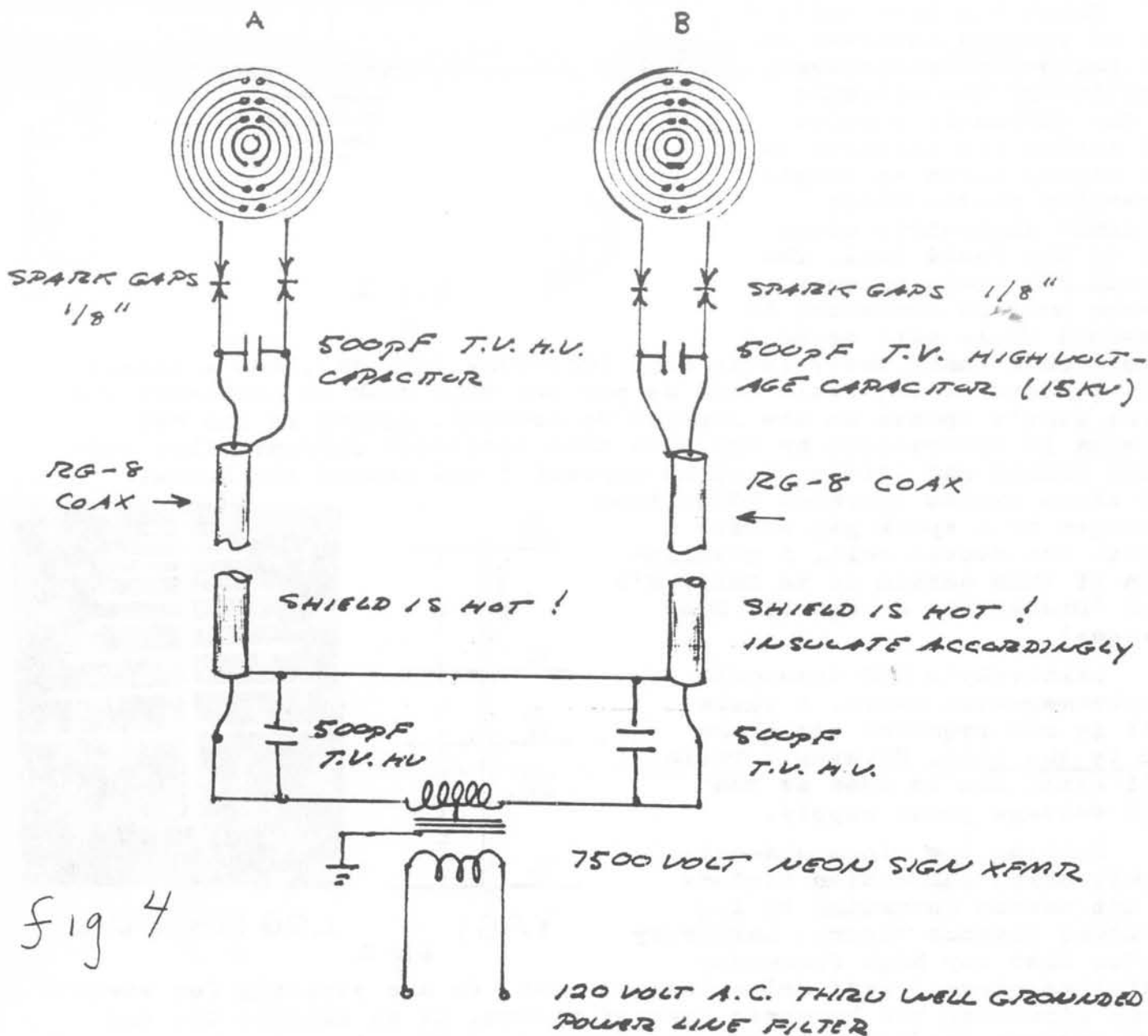
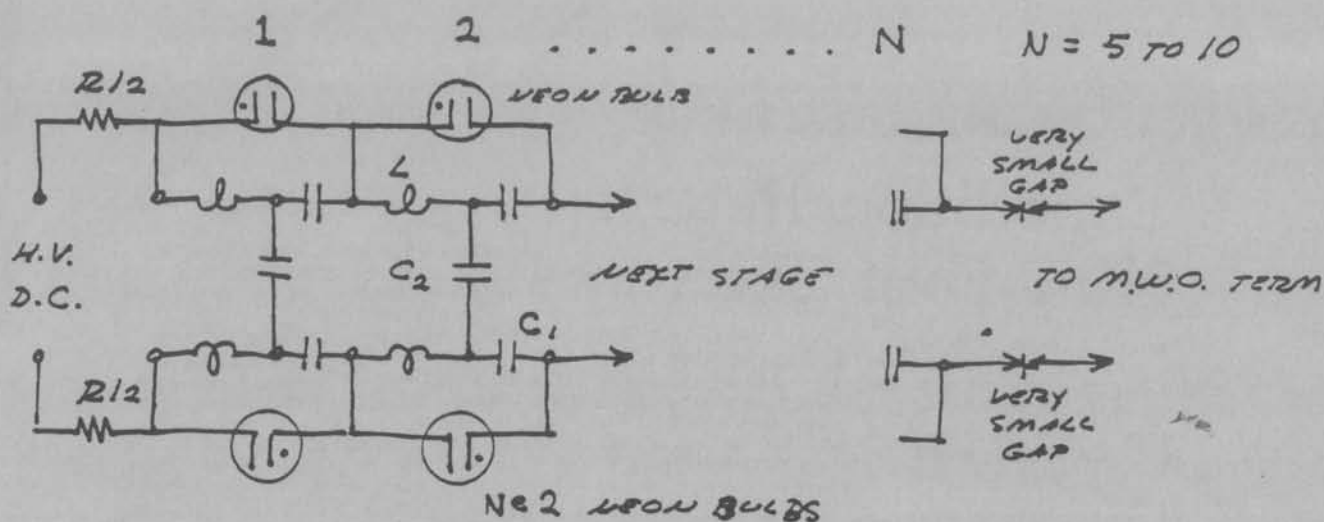


Fig 4

The above picture is a preliminary attempt by Eric Dollard to reproduce the MWO system as pictured in Lakhovsky's SECRET OF LIFE. Figure 3 is a simplified version for single antenna. This information is not definitive, but is the result of experimental and theoretical considerations. We present this so that Borderland researchers can carry on with new input. We are not saying that previous models do not work. There is sufficient evidence to prove that they do, based on Tesla's theories, rather than Lakhovsky's. Figure 1 unit works off of longitudinal dielectric waves (displacement current). Figs 3 & 4 work off of Transverse waves (Hertzian) and residual scalar waves.

Figure 5 is a low power driver based on the Steinmetz lightning wave, a reproduction of the wave naturally occurring in the atmosphere. A mathematical analysis of this wave by Steinmetz is available from BSRF for \$2 PP. Values given need to be experimented on for optimum pulse formation.



D.C. INPUT = 240V / STAGE ALL C₁ RATED 600V

R = 100KΩ / STAGE 1 WATT / STAGE

L = 1 μH / STAGE C₁ = 100pF X NO OF STAGES

C₂ = 0.02 μF / STAGE 600V X NO OF STAGES

GOLDEN RATIO ANTENNA

Eric has designed a log periodic antenna based on the Golden Ratio, as found in living systems such as plants and animals. These antennas are two sided, the first side looking somewhat similar to currently used MWO antennas, the second side being a capacitive loading (as Lakhovsky mentions) based on the Golden Ratio. We expect these antennas to function also as a radionic antenna needing no power. Areas of research will be in broadcasting beneficial waves to crops, range extenders for radionic equipment, blocking noxious rays, meditational Yantras (they look like a time tunnel), etc. All these uses are experimental and the parameters of the antennas have yet to be discovered.

These antennas are precision designed and manufactured. The antennas sell for \$75 single or \$140 a pair. They are available now from Borderland headquarters. They are sold strictly for research only. No medical use is recommended, as with any information we put out on the MWO.

A gold plated edition of these antennas will become available if there is sufficient interest. Gold plating allows much better conductivity and allows for better reception of cosmic waves. The gold plated antennas (Gold Golden Ratio Antennas) will sell for \$300 a pair. Contact us for availability on these. We need several orders to start a production run on them.

We welcome and appreciate any and all feedback on the MWO information we put out and the researches being carried out here. Inform us on your MWO projects. We are researching in order to find answers, and will keep updating our work as time goes on. Your input will help.

GIANTS !! (The nemesis of archeology)

Expedition Reports Nine-Foot Skeletons

Hot Citizen - Aug 5, 1947

A band of amateur archeologists announced today they have discovered a lost civilization of men nine feet tall in California caverns.

Howard E. Hill, spokesman for the expedition, said the civilization may be "the fabled lost continent of Atlantis."

The caves contain mummies of men and animals and implements of a culture 80,000 years old but "in some respects more advanced than ours," Hill said.

He said the 32 caves covered an 180-square-mile area in California's Death Valley and Southern Nevada.

ARCHEOLOGISTS SKEPTICAL

"This discovery may be more important than the unveiling of King Tut's tomb," he said.

Professional archaeologists were skeptical of Hill's story. Los Angeles County Museum scientists pointed out that dinosaurs and tigers, which Hill said lay side by side in the caves, appeared on earth 10,000,000 to 15,000,000 years apart.

Hill said the caves were discovered in 1931 by Dr. F. Bruce Russell, Beverly Hills physician, who literally fell in while sinking a shaft for a mining claim.

"He tried for years to interest people in them," Hill said, "but nobody believed him."

Russell and several hopyists incorporated after the war as Amazing Explorations, Inc., and started digging.

Several caverns contained mummified remains of "a race of men eight to nine feet tall." Hill said they apparently wore a prehistoric zoot suit—a hair garment of medium length jacket and knee length trousers.

CAVERN TEMPLE FOUND
Another cavern contained their ritual hall with devices and markings similar to the Masonic order, he said.

A long tunnel from this temple took the party into a room where, Hill said, well-preserved remains of dinosaurs, saber-toothed tigers, imperial elephants and other extinct beasts were paired off in niches as if on display.

"Some catastrophe" apparently drove the people into the caves, he said. All of the implements of their civilization were found, he said, including household utensils and stoves which apparently cooked by radio waves.

"I know," he said, "that you won't believe that."

The Hot (?) Citizen, August 5, 1947
Credit: BSRF files

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