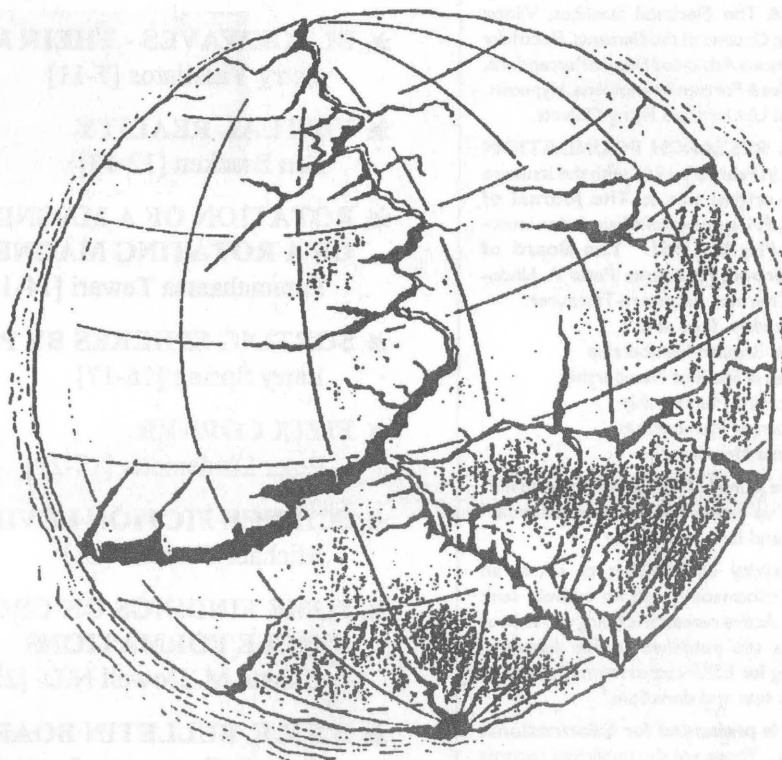


The Journal of Borderland Research

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THE JOURNAL OF BORDERLAND RESEARCH is a Free-Thought Scientific Forum using the imagination and intuition to probe beyond the borders of human perceptions. Donations of pertinent materials are accepted for publication in this Journal.

BORDERLAND SCIENCES RESEARCH FOUNDATION, Inc. is a non-profit organization of people who take an active interest in observation of their physical, mental and spiritual environment - personally, globally, and universally. Subjects of inquiry on this Borderland between the Visible and Invisible Manifestations of Reality include: Archetypal Forms and Forces of Nature and the Use of the Imagination and Intuition to Perceive Them, Ether Physics and Etherial Forces, Light and Color, Radionics and Radiesthesia, Dowsing, Orgone Energy, Nikola Tesla & The Electrical Sciences, Viktor Schauberger & Water Technology, Octaves of the Elements, Electricity & The Evolving Soul, Initiation Science & Advanced Human Perceptions, Hollow Earth Mysteries, Anomalies & Fortean Phenomena, Hypnosis, Photography of the Invisible, and Unidentified Flying Objects.

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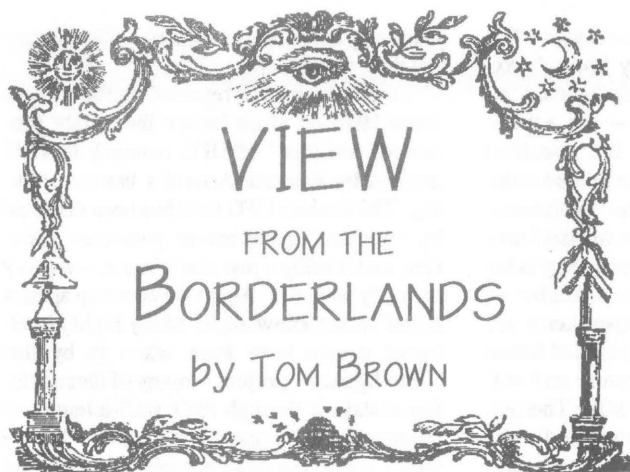
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WELCOME TO THE BORDERLANDS...

Some of our current members have been with BSRF since the 1940's & 50's, including well knowns such as Vincent Gaddis, Trevor Constable and former director Riley Crabb, but most have been with us a much shorter period. There is such a vast range of ideas that have passed these pages since 1945 that it is near impossible to give a pat answer to "what are we into?". For those who want to dig deeper into what BSRF is up to and the general outlook towards the world of some of our members I would recommend reading Trevor Constable's **COSMIC PULSE OF LIFE**, Murray Denning's **MY SEARCH FOR RADIONIC TRUTHS**, and Alison Davidson's **METAL POWER**. These books are all important viewpoints above the vulgar consciousness clogging the mainstreams of thought these days. But outlooks and opinions always change, modified as time passes and we move closer to the truth, which in reality is unique for each person. Whether you read us for enhancement or entertainment remember always that thought, knowledge and belief are three distinct functions of consciousness. You can think and believe anything -- whether true or not. Knowledge, in its true sense, is an inherent knowing of the truth. We think and believe a lot. We strive for knowledge.

CALL FOR ARTICLES!

This *Journal* is the meeting place for members to interact within a specific framework of endeavor. We are openly soliciting interaction from members via articles and letters on the following subjects for future issues:

Ether Physics and the Etheric Sciences. This includes history and reasons for the ether drift experiments and the reason for the advent of relativity (which Oliver Lodge said may seem to explain the negative results of the ether experiments -- but it doesn't make any sense!), and of course the orgone biophysics work originated by Wilhelm Reich. You may not believe in orgone energy, but that does not

stop one from measuring its thermal and luminous properties. The modern-day field of orgonomy seems to have followed Reich, rather than leading into new discoveries, and ignores the qualitative properties of the ether. Experiments should be run with orgone accumulators manufactured from various materials and in various geometric shapes and the effects should be measured on growing plants. The approach towards a qualitative comprehension of the etheric

energies has been investigated through the Anthroposophical impulse generated by Rudolf Steiner. That impulse leads us into Projective Geometry and ideas of Counter-space, and does not include fractal/chaos ideas which are anathema to understanding the true formative process of life energies.

The flow of energy inside our bodies should be of concern to all of us. Taoist practices, kept as secrets for thousands of years, are now easily available for those with the capacity to practice regularly. The subtle energies are the source of our life -- let us learn their patterns and flows. This leads us into acupuncture as well as an approach developed in the Western mind -- biocircuitry.

We at Borderland appreciate the multi-disciplinary approach. We follow no one, but we'll listen to anyone's innovative ideas that make sense and lead us on to new understandings.

We are not interested in publishing reductionist thought, but rather macrocosmic comprehensions. Atomic theory has helped greatly in understanding certain principles of inert matter. It is my feeling that substances are not "built" out of atoms and molecules, but rather that atoms and molecules are the result of the breakdown and decay of substance. How many protons, neutrons and electrons are in the force that animates you? The viewpoint that the universe is constructed out of molecules and atoms ignores the qualities of the life energy. As Bruce DePalma has pointed out, the atomic and subatomic particles are created by the experiments that seek to study them. The universe is continuous. Nature is full of transients and whole entities, not discrete segments. In this vein we can even explore the differences between digital CDs (compact discs) and analog records/tapes.

Anomalies of all sorts are right up our alley, Astronomical, Archeological, Geological, Biological, you name it. This is a stimulating search for the pieces of the puzzle tossed out by modern scientific dogmas and

paradigms and is the field known as Fortean research, named after that great wit and collector of odd facts, Charles Fort. For by studying and investigating these ideas we question the very structure of the universe. And beyond the actual anomalies, which of course shoot many holes in modern theory, we come up with new theories, developed in our imagination. The Canopy Theory (a canopy of water once surrounded the earth and fell causing the great floods of legend) has a number of valid points, and various Heliocentric and Geocentric world views different from the modern derivative of the Copernican are still being bandied about -- yes, Tycho Brahe still has his followers! Hollow earth and cavern world ideas have always been a Borderland subject, but in our present state of investigation we are interested in factual, physical indications of their reality. None of the general hokum that turns serious people off from these ideas will pass these pages. The iron core theory of the planet is really unworkable unless you believe in certain ideas, but of course we can believe something that is not true. We all do at some level. Let's explore this universe of ours.

The Cosmos/Earth Connection such as presented in Alison's **METAL POWER** needs much further investigation. We now know that the metals react in a subtle fashion to changes in planetary position, and of course in agriculture the influence of planetary motion is much more apparent. We have just gotten in touch with Nick Kollerstrom, an orthodox research chemist in England, who has duplicated quite a number of the Kolisko metal crystallization experiments, and we have Nick's book in production. Some of the chapters will appear as articles in this *Journal*.

Sacred Sites are of prime interest and we are interested in a number of facets of research. Our worldwide membership can send us reports on sites in their locale. Analysis of sites can range from consideration of the geometric structure and astronomical alignments through telluric energy site analysis via dowsing. This also includes Crop Sigils and related phenomena. BSRF's desert expedition project, which we have reported on in several issue -- with popular response, continues and will result in more articles and a video. Alison and I have just returned from Chaco Canyon and that report will be appearing soon. Our worldwide membership has access to all kinds of ancient remnants of past civilizations. What's in your area? We are working to get more pictures into the *Journal* so show us what's around.

Dowsing and Radionics are areas of research that will lead us into an understanding of the finer energies of nature, but we are interested in articles in which objectification

of results are a chief aim. Many dowsers are busy checking on group souls and past lives, and this is all interesting and far out, but how about a little objectification of the results, it can be done! Use your imagination -- it is an organ of your soul. Dowse out a geopathic zone and see if you can get it to register on infrared film. Radionics is a vast field ranging from instruments whose original intention in our age was the diagnosis and treatment of disease, but which can be used for mineral analysis, research into the number/tone ether and more. Murray Denning's **RADIONIC TRUTHS** is full of ideas for the researcher, and **COSMIC PULSE** gets into quite a bit more detail, specifically on Ruth Drown's work, on how the radionic energies are the same as the formative forces of nature and are related to the Qabala -- an ancient system of categorizing the path of energy to form. BSRF publishes many reprints of old radionic titles to keep them available to the researcher. So in the field of Radionics/Subtle Energies/Dowsing we are interested primarily in reproducible experiments, historical overviews and relationships with the structures of ancient mystery traditions. The relationship of form to energy has been investigated since BSRF's beginning with articles on Verne Cameron's work with the energy emitted from cones, and of course later pyramid energies came into vogue. These energies can be measured via interaction with living systems such as sprout growing experiments. This all fits under the general aegis of radionics.

Light and Color, where would we be without them? We are interested in Goethean color theory, which counters the Newtonian theory (remember, they're both theories). Goethe said that color forms on the boundaries between light and dark, Newton said that color is contained in light. It is easy to reproduce Goethe's ideas via experiment, it is also easy to reproduce Newton's experiments, but an open mind can see them as a subset of Goethe's overarching viewpoint on the subject. Related to this is the subject of color therapy, that is the interaction of living systems with specifically applied colors. A fascinating realm of interest which leads us to the fundamental questions of the formation of the universe.

Electricity is a primary cultural force -- look at how it has changed the face of the planet. We are interested in the evolution of electrical comprehensions from charged amber through modern viewpoints. Also of avid interest is the history of electro-therapeutics which brings us to modern work on the interaction of electricity with living systems. The work of electrical geniuses such as Faraday, Tesla and Farnsworth should be investigated to give us background for studying current

experiments defining energy behavior. We have been publishing on Larry Spring's experiments defining the propagation of transverse electromagnetism -- his experiments indicate that the energy is transmitted in spherical shapes whose size is related to the half wavelength. Myself, Peter Lindemann and Michael Theroux have been to visit Larry and see his experiments. He says energy is his teacher and he has raised quite a number of insightful questions. More experiments are being undertaken and we have planned future visits to Larry's outdoor laboratory and will report on such on these pages. Mike Theroux and others are exploring experiments for the sending and receiving of energy and information through the ground. Lots of interesting ideas on the wind. What are you up to?

Energy producing technologies are of course on everybody's mind. I've got to throw \$20 out the window every 300 miles I drive so naturally I would like a more efficient, less costly fuel. These pages are open to serious approaches to the subject -- with experimental ideas to test for anomalous behavior of special generation systems. I don't believe in free energy, other than it is all "free" once the shaft has been turned on the generator. Since that is a belief it may be wrong -- so go ahead and prove me wrong -- I'll love it! We'll publish the plans for anything that may work. We are not interested in free energy promoters who can't tell a flywheel (like the so-called Troy Magnetic Motor) from an energy producing system. There are great errors of conception in this field and we'd be happy to help sort them out.

Water has tremendous energy potential. We have published on the vortexian ideas of Viktor Schauberger and related work and are interested in anyone continuing research in this area. With world-wide drought now a normal condition we must take new approaches to the problem. Hydroelectric is a backwards way of extracting the energy potential and is an unfortunate move as the dams prevent the proper flow of water which influences the weather in a detrimental fashion. Clamp one of your arteries and see how your state of health proceeds -- such is the reality with damming rivers. Riley Crabb just sent us a *New Zealand Herald* (June 9, 1992) with front-page articles on how New Zealand is running out of water to run their hydro plants. Remember, it's winter there and supposedly the rainy season. Only a few weeks left of water -- a very serious problem! The Chinese are considering damming Three Gorges on the Yangzi River to have enough hydro power to electrify the economic boom there. Hopefully they will not damage their great river as it will cause nothing but life-threatening long-term problems on many levels for them, as the

damming in NZ and elsewhere -- like Egypt -- is now doing.

UFOs have been reported on these pages since 1946 -- since before the highly promoted "origins" of UFO research in 1947 marked by Kenneth Arnold's famous sighting. The modern UFO field has been distorted by "former" government personnel's stories, and frankly I just don't buy it -- no way to verify any of it. Again we come up against belief versus knowledge. Many highly intelligent people have been taken in by this "intelligence" project -- many of them helping sustain it through their well-intentioned passing on of the questionable info -- but we won't waste our time sorting that mess out here. Too many important matters are at hand and time is precious. I've seen a number of anomalous lights in the sky through my life especially on the coast here late at night -- some really weird transforming lights! We are interested in real photos of craft, and of course further reproduction of Trevor Constable's infrared techniques to objectify invisible atmospheric objects. We are also interested in clear-minded viewpoints such as that promoted by the late Morris Jessup. I see you are talking to the "Space Brothers" -- fine -- keep on talking, but we have moved forward. The modern channelling craze was no doubt influenced by Borderland's early work with medium Mark Probert. We were 40 years ahead of our time back then, we still are -- and we have evolved far past that limited methodology. Trevor Constable -- one of the pioneer channellers of UFO entities in the 1950s -- found that he got some useful information, but that it became what he calls "the greatest impediment to his spiritual progress" and gave up on it over a quarter century ago. Look at the high-level accomplishments he has achieved since relying on his own sensibilities and not some discarnate entity. When it comes to so-called "free energy", Trevor is one of the only people in history who has tapped the universal substratum on a regular and repeated basis, and can do it today.

Trevor Constable's Primary Energy Weather Engineering work inspires many people. We get requests for information on how to build equipment like Trevor uses in his rain-making and smog-reduction operations. We will not publish the plans for equipment that will modify regional weather. There is much more to it than the equipment, the operator has to have a clear grasp of the function of the underlying energetic substratum that controls the weather. If we published the plans for a device that could alter the regional weather if used properly there is no doubt that there would be people using it improperly and we will not be responsible for that. To be strictly "scientific" we should

publish the protocol of the experiment so that it may be verified by others. An exception is made in this area. This is a technology for the future, but unfortunately many people live in the past. We will publish on the basic theories of the etheric substratum and the relationship of the ethers to sacred geometry. Those that can grasp that material will move forward on their own accord, and their ideas are welcome on these pages.

Naturally I could elaborate further on all of these subjects (and certainly will in time), but my reasoning here is to stimulate dialog. What do you all think? What other subjects do you have in mind that you feel would aid in our knowledge being advanced? In what manner would you like to probe beyond the borders of our present knowledge? We are in no position to pay for articles, this is a volunteer effort and has been for 47 years. Our payment is the knowledge gained. We solicit your help.

THE SKY IS FALLING!

The clouds..... Those beautiful atmospheric formations.... A feast for the eyes.... Food for the poet. Forget about them, they'll never be the same! A recent article in **EARTH ISLAND JOURNAL** (Spring 92 issue, from Earth Island Institute, 300 Broadway #28, San Francisco CA 94133) titled Where Have All the Clouds Gone? provides us with some disturbing insight into our planet's present condition. The atmosphere is severely disturbed, clouded with pollution from Kuwaiti oil fires and various volcanos. The article says that the global cloud layers are compressed to roughly 50% of normal. The chart here comes from that article and graphically shows the present conditions.

Since reading this article I have become aware of something that I have been seeing for several years. Readers of this *Journal* will remember references to **ESSAY ON THE MODIFICATION OF CLOUDS** by Luke Howard (first published 1732). I became quite interested in the metamorphosis of clouds through this book and Ernst Lehrs' **MAN OR MATTER** around 1987 and have been watch-

ing them ever since. What I noticed more than ever was something that would have poor Luke Howard in tears, that is the modification of jet trails into clouds. It is a dominant formative cause in many of the clouds we see here in coastal northern California. One other thing I noticed is that we never had cumulus clouds of the puffiness and whiteness of my youth in the Midwest. I thought the compression and ruddiness were just coastal phenomena, but I can now see that they are the result of the condensation of the cloud layers.

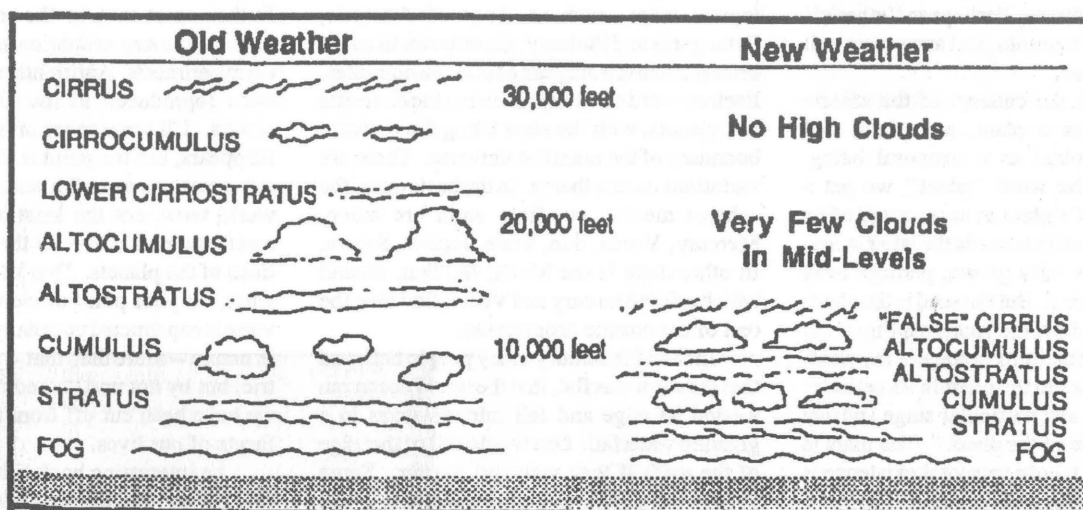
EARTHISLAND JOURNAL is an "environmental" journal, which means that any earth damage reported is available for use to promote sequestration of human rights. While

on the atmosphere. (As an aside, when travelling to the desert for our BSRF desert expeditions, I often put a Geiger Counter on the dashboard to test background count. The lowest level I ever noticed was travelling through Nevada to the north of the nuclear test site! It is possible that someone is mopping up the radiation with some unknown technology -- it works so well they're soaking up the background radiation!)

What about the satellites beaming signals at the atmosphere from outer space? If we grasp the earth as a complex living organism and we know that microwaves beamed at plant and animal life is detrimental to their well being, then why wouldn't the atmosphere

contract with the bombardment of the many signals being relayed through the satellites, weak though they may seem to us?

Smog has been reported over all the oceans. It is now a global phenomenon.



your average environmentalist is an aware, good hearted soul who wants to save the earth, and with whom I sympathize on many points, environmentalism is the new fascism. Its banner will lead to decimation of the human population (under the guise of the earth being "overpopulated"), and severe restrictions on the activities of those left, such as 75 mile travel radius, allowance of one child, and penalties for not "participating" in the government. (Yes, these ideas have all been promoted by "environmentalists" as solutions to our "problems" -- and the college kids cheer!). On the surface this may seem a correct path of action, but in reality life is different. EIJ blames the compressed cloud layers on automobiles (ain't it always OUR fault?). Where jets once flew through the clouds at 30,000 feet, they now fly over them, but of course their weather damaging jets have nothing to do with this situation -- only the public's vehicles are blamed.

What about nuclear explosions? Many were done in the atmosphere and the continued underground explosions, such as the recent giant in China, must be having some impact

enon. Trevor Constable has demonstrated that smog can be eradicated without any restrictions on the public. But smog is now institutionalized and will be used against you. What is smog anyway? Certainly more than just chemical exhaust from our autos (though that does contribute to the situation). High winds do not move smog from over cities -- it is anchored to the activities of the population and has apparently now become global in nature. This all ties in with Wilhelm Reich's theories of desert formation through "armored" human activity. So rather than seeing a move towards etheric technologies such as developed by Trevor we will see more smog and more restrictions on the population. Peter Lindemann has pointed out to me that Wilhelm Reich declared an atmospheric emergency in the early 1950s, during his ORANUR experiments. That emergency is much greater today. We need to explore the origin and substance of smog in greater detail. It is more than a material substance. It is a detrimental energy from a technology gone awry.

But other than the insidious slant of this

article, the information presented should be weighed heavily by all. This *Journal* goes out to six continents so I'm asking all readers who have information either corroborating or disproving this weather picture to send it in so together we can keep an eye on things. Following this editorial is a response from Trevor Constable to whom I sent a copy of the EIJ article.

THE COSMOLOGICAL PLANT

We see these drastic earth changes going on around us, and we are also watching mass extinction of manifold species. Yup, the earth is changing rapidly -- what comes next? Over the vast spans of time there has been a metamorphosis of the cosmological viewpoints held by diverse cultures. Perhaps an "etheric" understanding of cosmological awareness will aid in our progress.

To approach the concept of the etheric one can visualize a plant, any plant, and understand the plant as a temporal being. When we hear the word "plant" we get a mental picture of a plant at some stage of its development, usually towards the latter stages when the plant is fully grown, perhaps even flowering or fruiting. But the seed is the plant, the sprout is the plant, the young sapling is the plant, the flowering/fruiting stage is the plant. All these together are the plant in its entirety. One cannot pick any particular stage and say "this is the whole of the plant." The plant is an etheric being, whose temporal existence is exhibited in the metamorphic stages of growth. To understand the etheric one must approach it as they would the whole of the plant.

And so it is with the cosmos. As the plant metamorphoses, so does the cosmos, viewed through those peoples indigenous the various ages of time. The various cosmic viewpoints that have developed over the aeons describe different stages of the cosmic being we are integumented into. So each stage is "true", the geocentric world was real to those in it, and heliocentric is now real to most, but there are further stages coming which will seem to invalidate those previous. What the next stage will be I'm not sure -- but we can explore the possibilities here.

The ancient Babylonians and Chaldeans conceived of the earth as a flat plate, or perhaps a bit convex like a warrior's shield, with the bowl of the heavens arched overhead, both meeting at some distant place. More primitive forms of this viewpoint have the hemisphere of heaven/earth supported on the backs of elephants, whales or tortoises. These are of course, valid viewpoints considering the available information input at the time, coupled with the particular stage of consciousness held by the particular peoples. Whatever one may think today of such a viewpoint, it

should be remembered that the Babylonians and Chaldeans could predict celestial events, such as eclipses, with about the same accuracy as today. (Well, you say, perhaps some "ancient astronauts" taught them their science. Perhaps, but most ancient astronaut theories neglect some primary functions of the formation of the universe and the flow of history -- they attempt to explain metaphysical interactions in physical terms. But that discussion is for another day.)

We cannot say that all ancient cultures viewed the earth so simply. The ancient world maps, such as the Piri Reis map showing Antarctica without ice, describe to us that there were people on this planet who knew that earth was spherical. The earliest cosmological maps, such as those of Aristotle, Pythagoras and Ptolemy, show the earth as the central circle in a diagram of concentric circles. Each outward circle representing the elements and planets, with the stars being the outward boundary of the manifest universe. There are variations on this theme. In the basic ones, the spheres moving out from earth are moon, Mercury, Venus, Sun, Mars, Jupiter, Saturn. In other there is the Moon, the Sun, around which orbits Mercury and Venus, and then the rest of the cosmic progression.

In the 15th century many people believed that the earth was flat, that the world ocean ran around its edge and fell into an abyss in a gigantic waterfall. One would fall off the edge of the earth if they ventured too far. Some people felt earth was a globe, but that if you went too far in the ocean you could not get back uphill -- they felt they lived at the top of the world! Such was the fashion of the day.

Copernicus calculated the heliocentric model from observations, Tycho Brahe calculated a geocentric model based on apparent heliocentric motion, Giordano Bruno felt that there was an infinite universe with populated worlds, and Galileo looked at Jupiter through his telescope and saw the moons. He likened the Sun to Jupiter, with earth revolving around the sun, as the moons revolve around Jupiter. This of course caused a revolution in thought, and Galileo was brought before the Inquisition, to answer for his dreadful heresy. Since this period the heliocentric model of the universe has been evolving, Tycho's ideas not surviving in the mainstream.

Modern science has been calculating the vast expanses of the universe and we regularly hear of some bizarre new form or energy pattern discovered in the depths of space. They speak of a "great wall of galaxies" and of black holes, those theoretical sinks of matter that everyone believes in except the heretics.

Well folks, we're the heretics of today. There are indications that the universe is not constructed as per our modern viewpoint. In

the late 1890s Cyrus Teed (aka Koresh) did massive surveying experiments indicating that the surface of the earth curves up rather than down. Sure, I've seen photos of the earth from space, describing the convex curve, but I have never seen a proper refutation of Koresh's physical experiments -- and I don't consider them invalid until I do! Also, somewhere in our vast files and piles here I have an old article on experiments begun in France around the turn of the century that were to exactly define the curvature of the earth. Basically two long lines with weights were suspended nearby mine shafts. Measurements were taken from the top and bottom and the angle was to be calculated. Much to the experimenter's chagrin, the lines at the bottom were spread further apart than at the top, which would indicate the same situation as Koresh's physical experiments. Apparently these experiments were reproduced in the U.S. with similar results. I'll write more on this when the file reappears, but the point is that there are serious questions as to the reality of our modern world view, not the least being the various reactions metals have to the geocentric positions of the planets. Don't forget that despite whatever your point of view of how the universe is constructed your daily life is geocentric in nature -- more than that -- it is anthropocentric, but by not understanding our true selves we have been cut off from the most obvious facets of our lives.

An interesting book titled **DE LABOR SOLIS** by Walter Van Der Kamp (1481 Harris Road, Pitt Meadows, B.C., Canada V3Y 1Z1) presents his viewpoint that regardless of your religious and/or scientific beliefs there is no evidence that the earth moves through space. He claims that the earth's motion has been calculated, but never measured! According to Walter, that is the reasoning behind the origin of the ether drive experiments -- all evidence seems to indicate that it is space that moves, unless an ether can be shown to account for cosmic light aberration. Relativity is a self-contradictory fudge factor used to account for the seemingly negative results of the historical trail of ether drive experiments. Hmmmm....

Perhaps we are at the bud stage of the cosmological plant, ready to flower. By probing, thinking, guessing, imagining, experimenting, -- by taking our manner of observation, "not from the mind of the observer, but from the nature of the thing observed" -- we can all have a much more progressive experiential-awareness than the humans who simply accept what is fed to them. It is for that purpose that Borderland Sciences Research Foundation and the *Journal of Borderland Research* exist.

MORE THAN MEETS THE EYE
A response from
Trevor James Constable
to the Earth Island Journal article
Where have all the Clouds gone?

Regarding the *Earth Island Journal* material, I can tell you that for several months in 1992 we have been observing the so-called "oilbows" (rainbows made with petroleum particles), on the ocean route between Honolulu and Los Angeles. The oilbows are bright, prism-like areas of the sky, where sunlight is split into typical color spectra. They are certainly anomalous to us on the SS Maui, relative to the seascape we have been observing regularly over the past 14 years. The ship is staffed with professional observers, deck officers whose combined weather observing and reporting experience would exceed 70 man-years. I have personally observed thousands of sunrises and sunsets in the most attentive and searching way, such observations being a part of my ongoing weather engineering experiments. The oilbows stand out because they are, indeed, unusual. Their appearance dates in our part of the Pacific from the Iraq war. Oilbows are sharp, vivid and discrete.

The oilbows came to our attention because we are always looking for evidence of ice accretion. The latter forms color spectra also, but they are of a different and much softer and diffuse character than the oilbows. Special attention has been given to areas near the zenith in recent times, because of experiments with high-speed Spiders — similar etheric vortex generators to those used in southern California to kibosh smog in the 1990 season. In the implosive mode, these Spider devices will induce the contractions in the ether that translate into ice accretions. They do not induce these effects mechanically, push-button style, every time the devices are used. Nevertheless, ice accretion is a common consequence of the implosive Spider mode, and there is some evidence also — although the sampling is small — that switching to the explosive mode after the ice has formed will cause it to dissipate quickly.

So-called "white skies" have begun to appear in ocean areas hundreds of miles

from land. Deck officers aboard the Maui have commented in recent days (1992) about the strange, brassy quality of the sky on frequent occasions. They consider this phenomenon very odd. Of interest amid the current

tumult over air pollution, is the ability of weather engineering operations for rain — on the high seas — to produce significant reductions in the "white sky" effect. In such operations, the chemical ether is damned up, agitated and caused to bunch into high potential packets. Such areas act like magnets for atmospheric water vapor, which accretes into rain even in high pressure systems with very low humidity. This points with unmistakable clarity to eventual human ability to control the atmosphere. Etheric engineering is the only available modality that in attainable development, will open to the human race the ability to assist the atmosphere in cleansing itself. Disrupted etheric processes and not mere pollution alone, are behind present atmospheric derangements.

The "onlooking" character of mechanistic thought and science, virtually ensures what is provoked in Nature via human stupidity, ignorance and abuse of the earth, will be accepted by conventional thinkers. That there are etheric laws, already partially discovered, objectively demonstrated and obviously leading in their further unfoldment to control of the atmosphere, is not included in the current scientific world view. The latter rests upon the non-existence of the ether. To this outlook, there is no force or energetic continuum undergirding the physical world, carrying radio and TV signals, and giving rise to all the multiform phenomena of living organisms. There is no concept of any kind of formative energy or force to shape what abounds around us.

Primary support for this lame conception of physical creation is derived from the inability of two scientists, more than a century ago, to prove the existence of an ether as they envisioned that ether. True to mechanistic notions, which always favor immobility and fixity, Michelson and Morley postulated a stationary ether. They accordingly attempted to prove that there was an ether drag or wake behind the movement of the earth. Since we have

demonstrated through time lapse videotape in numerous weather engineering experiments, that the ether moves ceaselessly — and faster than the earth in temperate latitudes — it is not surprising that Michelson and Morley could not prove the existence of the ether with the experimental arrangements they used. Although they failed, it was an historic experiment and they were thereafter and down to this day enshrouded with unearned glamor and their findings treated with irrational deference. Campus streets and buildings are still named for them, through which the ether continues to flow with primordial grandeur.

Dr. Wilhelm Reich, by contrast, who first showed the basic west-to-east motion of the ether in temperate latitudes, and laid the basis for control of the atmosphere, was consigned to a Federal prison. The American government burned all his books and scientific papers in the best Nazi fashion, enjoining his associates against further such work lest they suffer the same Federal vengeance as Dr. Reich. Now, that same American government is flailing out at industry because the atmosphere is polluted. Dr. Reich's bold beginning, rationally pursued and properly funded, could have prevented current problems ever from arising.

Since Dr. Reich's death in a Federal prison in 1957, the world has turned over a few times, propelled and sustained by what Nikola Tesla called the "luminiferous ether." No one needed to show Tesla, the father of electrical civilization, videotapes for him to recognize the presence of the ether. Reich's basic findings on the west-to-east ether flow in the northern temperate zone have nevertheless been comprehensively verified in videotaped weather engineering experiments. Having performed personally hundreds of such experiments on the high seas, over a period of about 13 years, all doubt has been long ago erased in me that Dr. Reich's finding is correct. Our work has further shown that mighty, but incredibly subtle rivers of ether gird the earth from east to west in the tropics and move from south-to-north and north-to-south in season. This is in full accord with the descriptions of the earth's ether economy provided by Dr. Rudolf Steiner and Dr. Guenther

Wachsmuth.

The evidence on time lapse video tape is overwhelming, and so is the evidence on the same tapes that these flows can be engineered. Indeed, it is the engineering intervention that renders visible and objective, activity and presence that otherwise remain outside normal perception. Etheric engineering shows in this way that the ether can be made to do what the enlightened human mind wishes, within the limits of etheric physics -- which we do not yet fully understand. From this humble beginning, suitable funding could cause this all to advance rapidly to the point where the atmosphere would receive from man, healing impulses of incalculable value, in place of the current ceaseless and complex insults.

These marvels have had a difficult birth, remarkably so in a country that can conjure up \$200 billion in the twinkling of an eye, to put to death 50,000 innocent Iraqi civilians who had done it no harm, those killed including thousands of babies and children. This throws into relief the many questionable aspects of the current drumfire of complaints, criticisms, alarms and warnings about air pollution. A lot of dishonesty and exaggeration are present. These things are compounded by the utterly wretched conventional idea that nothing can be done about air pollution other than jump all over industry in a desperate drive to fix the problem from the bottom up. If you do not admit to an ether, then you have to pick up the whole weight of air pollution bodily, so to speak, which is to involve hundreds of billions of dollars -- *together with social convulsions and political shifts for which the public would never otherwise stand.*

Any time a program appears in the world that is going to cost the public huge amounts of money, an experienced person looks for the fingers of the real rulers of this world -- the people who are not elected but who control those who are. Anyone with minimal analytical ability today can hardly fail to discern that the necessary world cleanup drive has become entrained with political drives for *world control*, drives that emanate from the highest financial and power levels. These shadowy and despotic personages have never initiated or backed anything

that did not lead in some way to human enslavement and further enrichment and power for themselves. Their corruptive power has planetary ambitions and targets today.

When it is realized that the financial rooting of this little-suspected hierarchy lies in dope, all expectations of altruism should evaporate. The opium trade created the tax-free multibillion fortunes of the 19th century, and even earlier agglutinations of wealth created in Venice have joined to generate the leverage that has made all major governments the tools of these forces. Drugs and dope are the world's largest single business, all tax free. No government is willing to suppress this vile activity, because of its hidden roots in the world's real power centers. Token anti-drug activity? Plenty. Effective root-and-branch action? Never.

These same centers of temporal power have, in my opinion, perceived in the environmental situation an opportunity to extend their control to every facet of planetary life. The New World Order has been promulgated by an American president who has no legal mandate or authority to do so. Native common sense tells you that a World Order cannot come into function unless the high standard of living in the U.S.A. is first of all wrecked. Environmentalism is being perverted and diverted to break down American industry. *That* is the goal and not the environment, the latter being a convenient mask for the planned homogenization of mankind. Every esoteric student knows about the enemies of mankind. In a group like BSRF we are among the few who can give due weight to these elements as we work for redemption and renewal of the earth, but with *NO ENSLAVEMENT*.

Every borderlander should certainly ask himself or herself, where the sudden and massive funding came from that boosted environmentalism from a ragged, hippie-style movement into a full-dress media cult that has entrained every level of society. Whence cometh all this "juice"? Why is it so easy today to publish environmental articles or periodicals, to air environmental TV productions or find money to produce them? Environmental organizations no longer shake coin boxes in your face at your local shopping

mall. They are now being funded to tune of hundreds of millions annually to outfits like Exxon, Chevron, Conoco Dupont and Coca-Cola -- organizations that are superficially the targets of environmentalism. There is far more in it than meets the eye.

My experience has been very dire with the air pollution racket. Nobody involved industrially, bureaucratically, politically or financially with the existence of air pollution wants it cleaned up efficiently, expeditiously and without massive compliance burden -- including draconian penalties and wholesale inroads on constitutional rights and civil liberties. Monstrous acts and total corruption and justice are coming with whatever clean up the current methods are going to bring to America. My advice therefore, is not to react to the current drumfire on air pollution, which is conditioning the public for the forthcoming Stalinist nightmare. There isn't a major urban air pollution problem in the world that cannot be dramatically reduced as was that of southern California in 1989 and 1990, at nominal cost and without compliance burdens. That kind of natural rectification of the problem without the use of either radiation or chemicals, is not the thing sought. In the shadows from whence this world is run environmental cleanup is to be almost as big a business as drugs and dope, but minus the baggage of public opprobrium. This business will also provide domination and control of the world's people on a scale never feasible before. No wonder environmentalism is the most lavishly financed and promoted new movement in the history of humanity. The enemies of mankind always come as that which they are not. Take care. TJC

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Earth Summit Kills

The first legacy of the Earth Summit in Rio de Janeiro is the death of thousands of fish around the conference complex. Brazilian press reports say that sewage from the 20,000 world leaders, diplomats, journalists and technicians who attended the 12-day meeting, overtaxed special purification facilities in the Rio suburb of Jacarepagua and overflowed untreated into nearby lakes. The aim of the U.N. Summit was to curb the destruction of the environment. From *EARTHWEEK: A DIARY OF THE PLANET* for June 19, 1992 by Steve Newman.

BLACKWAVES

THEIR MEANING AND VALUE

BY GERRY VASSILANTOS

The messages engraved in the heart of certain discoveries and inventions, many times, may take years of earnest search to unlock. I believe this to be so because we perceive that Space Itself is Intelligent; and any Ray of Discovery which is sent into any sensitive recipient sends within itself deep messagings into new foundations from which it issues forth.

Such is the case with the very great and profound discoveries of Dr. Thomas Henry Moray, whose notes and letters have been searched through for decades with little progress, save perhaps in the venues of philosophy and basic understandings concerning Space. This, we maintain, is because no one has made any significant post-developmental work upon this great discoverer's designs in the physical sense. All subsequent work has been verbal and cognitive. It is well within the power of certain devices of legendary position to generate such intense mental focussings in suited populations of individuals.

Recently I have been fortunate enough to experience a series of observations which may hold the secret of a new power for us, and a means of unlocking many of these mysteries which have captivated our imaginations, hopes, and expectations. For a long while I have been carefully studying telluric energies (earth veinic energies) and have been experiencing the varieties of sensations which do accompany the regular surgings within these ground-crystals. First to be mentioned is the Black Ray energy, which I will speak of in certain future papers, and which is thrillingly present along the whole course of any major veinic line. This Black Ray is seen and felt as a shining black zone of extreme absorptivity, and is seen especially at night near certain structures (natural and/or man-made). If one should look carefully around street lamps at certain wintery times of the year (after sunset has passed) one will see these aureoles of radiant shining blackness. These zones are specifically focussed, and seem to emanate from specific spots in stonewalls, iron fences, the ground itself, certain trees, poles and posts of iron, and many more places than I can here mention.

Suffice it to be said that this Black Ray sparkles out of specific spots in stonewalls, iron fences, the ground itself, certain trees, poles and posts of iron, and many more places than I can here mention. Suffice it to be said that this Black Ray sparkles out of specific materials best, and (when in maximum surge) rises up above the ground in a shield or crown of beautiful clarity. Within these natural enclosures of energy, one may experience a very meaningful array of sensations. In fact, within such an energy shield, one realizes the validity of many anciently held views of the experiential realms which meet and inter-relate throughout the vast reaches of Space. It is possible to find zones of pure beauty, or of pure form; these, along with their other number of major experiencings, are maximized at *specific positions*. The *angulations* of these directed energies is all-important, and one may actually peer up through such a shield into the very deeps of the Vastness and receive great sudden surges of transcendent knowing. The very deep emotional content of these constant personal surgings can never be adequately described. Only experience of these may ever share the true sense of fusion with the telluric energies.

Within such realms of experience, there have come certain more recent discoveries which may bring about a true and basic understanding of many scientific mysteries we have long focussed upon. We have focussed our detailed studies upon certain discoveries and designs, because these were granules of pure experience generated *ex nihilo* in the minds of their inventors. They are messages as well as glorious machines, which Space Itself is sending into us. Therefore, they have this sense of mystery written within them along with an eloquent beauty and form which is indescribable. They are pivot-points for the minds of sentient beings to tap experience from. And we have been captivated by them, for they are *mythologic objects*.

V. Nile peering along a main telluric vein (which I have determined near my home) certain visual and mental phenomena began to occur with increasing regularity which I

would now like to describe. The Main Veinic passes in an angular route past my kitchen window. It nearly follows the main roadway off into the distance. While many of us recognize that "ley lines" often become (nearly) such main roadways in human affairs, we will not venture into a detailed study of that phenomenon. Neither will we speak more of the many ways in which the telluric energy will reveal itself to planners and builders who give names such as "Woodrow", "Odell", "Lelane" and the like to those roadways which coincide with the local earth geometry. While I have often found these names amusing whenever I see them, I find their associated energies to be much more. I had been in the study of certain geometries and their effect upon the Black Ray energy. I also was marvelously drawn to begin study of the various materials which, in certain geometric array, would affect the receptivity and experience of the *participant* within the energetic realm mentioned. Watching the Black Ray energy along that road-veinic I was suddenly surprised by a series of sudden and consistent "wavings" which were visual. Imagine looking at a normal scene at night, and seeing black ripples of the most delicate sort passing from Space down into the ground. These were not regular in sequence, neither were they isolated ("out there") from me. I was much a part of that sensation. In fact, the experience was a total one; one in which distinctions of observer-participant were melting away. Later on, while in a state of great enthusiasm, I began to determine whether the effect itself might be enhanced in some way. I found that these effects were never strongly experienced away from the Veinic Axis. I also found that because of this, they were never reported for lack of consistent observations. The second phase of these researches were aimed at determining whether or not certain local disturbances were being modified by local materials and their geometries. I found that a great "loading" of the roadway with iron fencing was a primary source of accumulation of the effect. Numerous other iron posts, and strings of strong halogen street lamps also gave strength to the effect. But it was the very window I was peering through which gave the strongest sense of acting as a "visuator" of the phenomenon.

Many times I have noted the appearance of an outer glow coming into an ordinary window, angulated (as built) with a local major vein in the ground. It is vital to note that these effects are strongest experienced

when they are aligned and placed near these veinic passages in the ground. Place and position are all important. The activity and attitude of 20th Century scientism is that objects and experimental apparatus will act the same in any *position*. This stems from two very erroneous conceptions. First, there is the "scientismic" belief that effects are causes. When scientists make study of mass-length-time, they are merely studying the inertial effects of formative energies, and therefore are studying only the smoothened surface of an inertial realm which they have strengthened and focussed. True reality is an entire spectrum of experiences, with *subjectivity* as the rule. Many phenomena would pass unnoticed were they to be measured by inert clocks alone. Time, in its truth, is a subjectively known wonder. Our aim should be to devise means of sharing our *perceptions* directly with others through the use of new devices. Such a study is found in Radionics and Psychotronics, the frontiers of the future. The second fallacy which the scientismic crafts are advancing for endorsement is the notion that "the object summons the forces" rather than that the forces generate and sustain the object. Now the "object" of which we speak may be any experimental apparatus, any power device -- any *material focus* of consciousness. What scientists claim is possession of "absolute" objects -- those whose functions persist because of their own ability to force the forces out of their own angulations and natural course. What we have asserted is a very respectful and surrendered participation with ordained natural energies -- the true energies of the Vastness. Within this structure, we may design, structure, and arrange our devices with ease. Many of these are passive types of machines, whose functions fail whenever they are taken out of cooperative relationship within the ground-veinic angulations we have used. The strongest, most severe form of dynamic is to be found herein alone.

The glow seen on wintery days comes through an angulated window whenever certain conditions are met. Have you ever seen the "blue orgone glow" coming from the outside whenever the snow is freshly fallen? You will only see it powerfully when an incandescent lamp is on within the house. Turn the lamp off and look outside through the window again. The bluish glow is gone. Only the hard grey of the natural light will be seen. Another effect which requires a small bit of close observation is the manner in which the bluish glow *spreads* uniformly

over the crown of the glass window. The smooth glow will spread out across the pane slowly, after the incandescent bulb is lit. Try the effect several times just to convince yourself that the effect is real. When the lamp is off the glow dissolves away.

The kitchen window I was peering through had a simple, thin-vened, horizontal venetian blind over it. Immediately above this, and recessed, is a downward-aimed incandescent spotlight of low power. This "haphazard" arrangement has a very warm and beautifully attractive artistic sense to it -- the very mark of a natural radionic arrangement. When viewing the Veinic Line through this arrangement, the Blackwave effect was enormously magnified. I tested this with the lamp off, and the effect resumed its natural intensity. With the blinds removed, the effect remained again at natural intensity. But with both blinds adjusted and spotlight on, the effect was enormously powerful. I have been making observations through this natural visuator for quite awhile now, and have much more to say about the effect and its meaning in other directions of technological pursuit. The sudden and powerful awareness of exactly what we are observing herein may offer us a reasonable and strong entry into what Dr. Thomas Henry Moray was actually developing. The second step in approaching this possibility must invite the work of Mr. Dan Winter in the field of Dirac-wave detections.

In a marvelous paper, Mr. Winter described an experiment which he and his associate performed. It is perhaps the most important such experiment to date in the field of Moray research. In this specific experiment, Mr. Winter structured two very modified galena crystal radio detectors. Each of the fine wire "catwhiskers" was prepared to hold a minute piece of carnotite. These crystal detectors were separated and each metered suitably. What the team discovered was a strange phenomenon of *correspondence* between each arrangement, though separation was maintained. Whenever any radioactive material is placed in an electrically conductive circuit, several strange effects are noted. These are never mentioned in the finest graduate texts, and they are even rarely mentioned in such excellent experimenter's texts as by Pohl--if, in fact, they may be found at all any longer. I believe that certain of the sundry details involving the sudden and mysterious increase of line-conductivity within a radioactively loaded circuit, and the increase of voltage with cer-

tain radioactive diodes, the spurious sudden anomalies of high-voltage spikes and the like -- all are kept in the rarest of secrets. What Mr. Winter observed was a strange *surging correspondence* between two separated radioactive detectors. This should *not* be according to classically promoted radioactive "laws". Radioactivity, for the university people, is an unalterable, immutable condition of certain materials. All radiation are emitted in a regularly *consistent* spray according to them. No variations within the ray-field of any radioactive sample-- no pulsatory phenomena--have ever been reported. If such were the case, then huge power stations could be made merely from the natural radioactivity of certain substances. Paul Brown had chronicled the history of such patented nuclear batteries as far back as 1926, and had claimed that Moray's device was just such a nuclear battery. We can hardly agree, although I find Mr. Brown's papers marvelous, and his research thrilling in every aspect.

I may describe the steps involved in proving that Moray was *not* building mere nuclear batteries. I must also include the mention of an experiment performed by an associate of Dr. Moray -- a researcher who has developed an interesting device reminiscent of Philo Farnsworth's cold-cathode power tube, although along his own lines and originality of thought. Mr. Hart has a tube which is depressurized and filled with a mixture of mercury and helium. Within this tube are two screens which are saturated with carnotite. Each end of the tube has an electrode, and these are connected (electrode and screen) to a 4000 volt transformer. When the A.C. power switched on, there is a sudden transformation in the room as the tube begins to thunder and rattle. The sounds outside the tube are said, by Mr. Winter, to resemble small lightning strokes. Geiger counters held far from the apparatus simply go off the scale. Contrary to the opinions of some observers of this phenomenon, we believe that a strange *dynamic surge* fluxes through the room-- we do not believe that it is a mere electromagnetic disturbance which effects the Geiger tube "jam". Such radio-electric phenomena must be better chronicled and collated. Dr. Moray did not have the resources to purchase radium chloride in suitable quantities to achieve the initial 5 KW outputs which he demonstrated. Neither would he expose personnel and self to dangerous fluxes of rays with his detectors, were they of these varieties. I do not believe he

would carry these in his pocket (as he did on several occasions) were these dangerous radium tubes. To achieve the greater outputs which he demonstrated later on (the 50 KW devices) he did not need to purchase more radium chloride.

The very mystery of Dr. Moray's device rests on his discovery of mutual, irregular pulsations which he found *two or more* detectors to demonstrate. Such regional, environmental effects could only be due to an *external* agent of far greater power than even that of radioactivity. In fact, when Dr. Moray saw this phenomenon at work, then he realized the validity of Nikola Tesla's belief of the real cause of radioactivity.

Tesla believed that any material which was demonstrating the continuous emission of fine particles as energetic as he detected them to be, must surely be under an even more intense *bombardment*. Such a bombardment must surely be due to a particulated emission which was ever more fine than those rays being emitted. That specific materials were the ones manifesting these continuous emissions indicated that certain *densities* of matter were required before interceptions of these "cosmic rays" could occur.

Only certain nuclei would intercept these rays and explode under impact. This is far from what we have been told in the halls of academia. The leading physics persons of the day will (in the same breath) tell you that all phenomena are self-generated and insular, while also asserting that there can be no spontaneous manifestations of energy without an outside agent. If "radioactive atoms" are spontaneously exploding because of some internal resonant condition, then *what* is causing that disturbance? Only Tesla's deduction may point us in the way of further discoveries concerning radioactivity. But nuclear batteries are not what we are about here. When Tesla described his "cosmic-ray" theory of radioactivity, he was allowing possibilities into the scenario which the academicians do not support or believe. One of these would be the fact that radioactive samples could be *altered* and limited from their "half-life" -- a fact which both Gustav LeBon and Moray demonstrated repeatedly. This was accomplished by simply heating any sample to a good red heat, and watching the radioactivity drop to less than a third of its intensity. Gustav LeBon described these findings repeatedly in his excellent texts, and he told of the varieties of changes which could be detected in the kinds of rays emitted thereafter.

In fact, he took radium itself and reduced its radioactivity so far that a few days later were required before emissions were back up to level. All these phenomena make the academic claims of "immutable" radioactivity very suspicious. Perhaps certain groups -- groups heavily invested in the radium and uranium markets -- do not want this data to become widely known. Paul Brown's great work on nuclear batteries would bring these moguls to their knees if sufficient numbers of foreign competitors in the global village could force the greedy into the old frontier. Such batteries have an output many times exceeding those of fission-plants, were their size taken in proportion. Gustav LeBon mentioned that ordinary materials could be made into radioactive sources by simply exposing them to specific bands of ultraviolet light. Such effects were due to resonant breaking of materials under the specific dynamic absorbed -- aluminum into rays. A complete dissolution of the material would be transformed into usable energy, with *no* waste matter at all! Dr. LeBon's vision of Atomic energy was more sublime than the scientific personnel at Los Alamos ever dreamed of. What Dr. LeBon spoke of was the release of Intra-Atomic energy -- energy of pure matter -- into pure ether again. Such energy release would require either electrical triggering or ultra-violet triggerings at specific resonant frequencies. When once the process was initiated (under perfect control) it would release *more* energy than that of the *trigger*. Energy so released would result in the perfect conversion of material into ether directly. The atomic energy of the archetypal visitor "Klaatu" (in the epic "The Day The Earth Stood Still") spoke of such an atomic energy. In fact, the very props used in depicting the craft and its inner workings, are so "radionically emissive" that one wonders why few considered this idea in their own research. The vision of great discoverers can never be suppressed. Such extreme power radiates from their minds into those many others, sensitive and receptive enough to permute the original power. Another movie ("This Island Earth") permutes the notions of Reich and Moray very splendidly. These permutations into *art* will be discussed elsewhere.

Whenever the source of an effect is immeasurably quenched, then the resultant observation with detectable meters will result in a proportionate diminishment. What Dr. Moray discovered was not a nuclear battery effect. He was not using the radioactive

material in its raw power of explosiveness to generate electricity. His discovery is sublime and glorious in every aspect, and represents a true leap into the unknown. If this is grasped and harnessed now, then we will have achieved our purpose herein.

Dr. Moray had discovered that radioactivity is *variable*. He discovered that, while using *two or more detection apparatuses of the radioactive kind*, a signal of very high voltage could be secured rather mysteriously. While searching for the answers to these strange phenomena, he studied Dr. LeBon's texts rather deeply. In these he found the evidence that radioactivity was not a continuous immutable process at all. Tesla had offered a reasonable argument for the bombardment theory of radioactivity. If radium was behaving as a simple target material for a very rare and powerful cosmic ray surging, then the saturating surges of these strange particles would have strong "breaks" within them. These would reveal themselves as pulses in any radium sample. No one had detected these "breaks" because radium is so powerful and copious a source of rays and particles. But the key was to examine *two detectors*, spaced at a distance. Should we examine Dr. Moray's schematics, we will find the two-detector coupling clearly drawn.

What should occur whenever a "breakline" passes through the device and laboratory? If the breakline is fine enough, then even slight separation between the two detectors should suffice in releasing sudden powerful voltage surges. Why should this occur? We would conjecture that the source-energy which produces radioactivity (being external and vast in potential) to cause such mutation, must possess huge potentials and differences of potential. Should such a wave (in an infinitesimal fraction of time) pass across such a detector arrangement, then extremes of electrical stress will be caused to appear along the line. While the null-zone of this wave passes over the one detector, a deep and sudden drop would evince itself while the other detector would emit *more* particles into the line.

To reemphasize our assertion: If Dr. Moray were using radium chloride in his valves, what were their function at all? The power of a nuclear battery is great, but the power Dr. Moray was using through these valves of his was transcendently more potent. Nikola Tesla's belief in the bombardment theory of radioactivity left us with a second possibility when observing radioactivity. If Tesla was correct, then fluxions

within the bombarding source — those “cosmic rays” of his — would also create fluxions between two or more radioactive materials if measured through a distance. This is exactly what Dan Winter and his associate found. This is exactly what powers Dr. Moray’s devices. The so-called “cosmic rays” of Dr. Tesla are *not* those which Geiger tubes and any other detector may ever detect: they are transcendently intense rays, of material virtually as fine as the ether itself. In Prof. Lebon’s words these are “particles which have undergone such an advanced degree of disintegration that they are nearly etheric in state”. In Dr. Tesla’s words they are “particles not further decomposable”. In essence, we are discovering the very same thing. Should particles of this quasi-etheric nature (particles so rare and copious) pass through certain materials, should they not in fact alter them? Such alterations may never be detected by our own perceptions? Dr. Moray also delved into these studies with altered materials, and Jorge Resines has written an excellent treatise on this subject. But *surges* within these energies as waves power the Moray device.

What intrigues us now is the passage of these quasi-etheric particles. For if such particles are so fine, might they not actually *coalesce* and form a virtually “solid” pulsation across a very wide reach of the Vastness? Such tenuously marvelous wavings would pass directly through materials inharmonically — two very different parts of a single extended material might undergo variant strains under such passage. In fact, we are here discussing the transformation of the *infinitesimal* into the *macroscopic*. Such waves represent deeper fluxuals within that source of quasi-etheric particles. Their *group variations* are detected with *two or more separated devices* — radioactive detectors, say.

But what are these Blackwaves? What do they represent and where are they generated? Surely they must be much, much more than mere electrical stimulations within a cosmic gallery. This we maintain because of the very interactive manner in which we have perceived them directly as described. When I first experienced them I was immediately struck with the notion that these were the very waves which Dr. Moray was utilizing within his mysterious radiant energy device. Whenever these Blackwaves pass through a region there is great inspiration. Their natural passage is frequent enough, but we need to develop better *actuators* of this experi-

ence. In our researches we have determined various materials to be concentrators and strengtheners of these Blackwaves. We have also determined very specific geometries which enhance the experiencing of the waves in a most personal sense. It seems that *horizontal* slats of metal seem to best permit the direct viewing and participation within the revealed “envelope” of the Blackwaves. Any radiant source seems to strengthen their appearance. These include low-power incandescent bulbs, radio receivers, magnets, ferrites and even the intake of certain nutrients.

The direct experiencing of a visual display where sudden “ripples” begin in a watery manner to descend is a glorious sensation. Many of us have known these sensations on black wintery nights when the Blackwaves make their passage naturally. But we hold this experience so rare, so marvelous and so very powerful, that we wish to maintain their beneficial presence in concentrated form. We have realized that these Blackwaves hold a profound secret within their passages — they seem to be waves of external awarenesses. Whenever we experience them, we suddenly sense a total “meshing” with the External Vastness. This experience is so very potent, so utterly glorious in its ability to transform and strengthen outer-consciousness, that we desire it continuously — even in the daytime; even during the summer months when clarity seems lost in the misty heat. The strengthening of these species of energies — these “*dynamidae*” — is our aim. To this end we have designed various devices which concentrate and focus the Black Ray energies in the various modes which will transform us into a clarified and “galactic” awareness. We believe that notables such as Tesla did realize the importance of developing such psychotronic appliances with an aim toward the pure use of new *dynamidae*. These waves pass right through materials ordinarily. When specific materials (radioactive in the academic sense) of suitable density and crystal structure (crystal symmetry) intercept them, then strains and alterations occur within these materials. This may explain “metal fatigue” and sudden chaotic events within a room. Persons of suitable sensitivity may actually sense these changes within their own bodies. Others may possess the ability of sensing these tensions between objects.

A simple personal experiment involves the use of two street lamps. Many such energies may be detected by the human organism alone. In particular, one may make

use of the “wandering eye” phenomenon in order to detect Blackwave passage between the lamps. I have used this method in determining the telluric energies which saturate buildings and which discharge suddenly from them. These I will report in a future article. In any event, we may allow our eyes and bodies to become detectors and participate elements within regional happenings. This is a natural source of wisdom; for the very message of these energies must be made personal and *inward from the external*. Glancing at two separate lamps, one often finds that the eyes are suddenly diverted from one to the other as if forcibly motivated by some naturally desired effort. The sensation is no unlike a very pleasant gliding sensation along a resistance-free path. The eyes then may suddenly shift back to the first lamp, as if the will was permitted to reassert its gaze. These pulsations of the eyes and inner being reveal a new subjective means of determining “*dowseable*” energies. The human organism is a detector of these strains and tensions through space. My question remains; what is the source of these regional strains? What is the cause of the potential differences? If we study Dr. Moray’s schematics (Jorge Resines’ booklet on this complex secret is an excellent source of newer designs on the topic) we see not one detector, but *two detectors* coupled together. What would be the effect of a radioactive wave-passage through a room? Any material capable of revealing the tension would do so — these (in the personal energies) we have discussed. What if the researcher were examining the electrical characteristics of a suitable circuit? Would that person necessarily discover sudden surges in the lines having no explanation for them? Would such a circuit as Dr. Moray’s detect sudden huge potential changes in the transforming circuitry? Yes. Why? Because the radioactivity of the radium chloride samples *depends* upon these sudden etheric-wave pulses which are penetrating our enclosures. These sources of the radioactivity would cause a phenomenon of sudden variation of the total radiant flux coming out of the samples. While these variations may not be detected in single detecting tubes (because of their possible brevity), they would result in huge, sudden events within a *double-stage* detector because of the deep potential difference across the lines. Any charge source would then necessarily emit a *burst* of charge into the line at very high voltage. This is exactly what Dr. Moray had found. His discovery was that there do exist these re-

gional wavings throughout Space. This made the use of a radioactive particle detector *more* than a mere nuclear battery. The energy contained in these Blackwaves is enormously powerful. It exceeds the output of the radioactive materials by several factors. What we are using here is the potential difference of the Blackwave passage through the device, coupled with the radioactive material emissions within the line. The detector valves must necessarily be separate though not far apart. Should they be connected in parallel (which they are) then the resultant signal will be a heterodyned signal, capable of being further amplified through feedback circuits and stages. The detector valves which contain the radium chloride serve merely as detectors of waves which (electrically) are rarely seen within the systems used in laboratories. Certain circuits have revealed sudden anomalous high voltage spikes, which may find their explanations in these considerations.

We may search throughout our memories in order to make correlations with this new information. We need to determine the specific places and structures which may make use of Blackwaves and the potential differences which are vast along their surfaces. We need to determine their periodicity, and this would necessarily begin at Dr. Moray's determinations. He placed these within the gamma-ray bands, but did not imply that the energies were gamma-rays proper. These Blackwaves are longitudinal waves which ripple through all materials in a "solid" manner -- they behave as if they were *large* surfaces having macrostructures of the order perhaps of a solar system in their length. Neither must they proceed in perfect sharp processions. They may proceed in a rippling, nearly tenuous, gossamer-like pattern. Shifting to and fro as they drift, these may behave more like fabric than rigid steel. Their visual experience -- if in fact they are the same phenomenon -- seems to indicate tremendously potent interactive ability. Their function in our own experiencing and

mentation patterns cannot be underestimated. They seem to carry with them every aspect of a wondrous, beauteous structuring. They seem to bring in a "crystalline" elegance whenever powerfully experienced. I must mention that the effects of these Blackwaves within electrical circuits seems to be the very least functional capability of these strange messengers through the Vastnesses.

The etheric theoretics of our last century had visualized such things as these waves. Perhaps we have not really appreciated their true example and integrity because of all the later hostilities aimed at their protagonists. But, we ask, can all experiences be measured and relegated to the *inertial* view of the Vastness? The very great wisdom had by certain ancient philosophers exceeds all inert consideration. Aristotle spoke of "atoms of qualities" which we must consider. Whenever I see the Blackwaves in their passages through my experience, I know that our ancestors were indeed, closer to the true nature of the Experience we share than their modern "enlightened" counterparts. Consideration of *qualities* will lead us out of inertia.

These Blackwaves are very minute in pulse length. They are not electrical in nature. They are longitudinal in nature. They occur in "naturally anticipated" pulses -- they are not clock-perfect in their appearances. Dr. Moray's devices make use of special circuitry which accommodates these many characteristics as he discovered them. The potentials cause extremely great voltages to suddenly appear and disappear. Radioactivity seems to be the best detector of these energies which are not themselves radioactivity proper.

The heterodyned signal of electrical charge carriers is the power in Dr. Moray's devices. This is the self-strengthening energy in his circuits. The tremendous surge between two detectors as a result of the passage of a Blackwave through the apparatus is simple to comprehend. The temporary cessation of radioactivity in the one sample

will result in a huge sudden surge of charge into the deeply neutral Blackwave core between samples. These would be experienced as strong high frequency sparks. This is precisely what Dr. Moray and the others who observed his device did notice repeatedly. What the Blackwave line represents is a region of mysterious nullifications and intensifications. Either edge along the procession of these "solid" waves generates regions of intense energy. These zones cause what we observe in certain substances: radioactivity.

In truth, all materials are radioactive. Dr. LeBon showed this truth in many various ways experimentally, and described them in his texts ("The Evolution of Matter", "The Evolution of Force", and "The Evolution of Energy And Matter"). What he and Tesla claimed was that different materials dissociate into ether through a series of natural transformations. This they do in steps, and manifest these changes by the showers of particulate and wavelike emissions until this total transformation has occurred. All substances were equally radioactive, but certain substances seemed to evidence *specific detectable* particles in greater rapidity. Whereas radium was a very active element in this dissociating process, aluminum was equally as radioactive under the proper conditions. Dr. Le Bon revealed certain conditions where zinc and aluminum released far more radioactivity than radium itself. This knowledge leads directly into the study of Radionics, and must include all rays downseable as well. Wherever the Blackwaves sweep across radioactive materials the particle power-zones appear. While these may be too short and infrequent of interval to commonly detect, a *pair of detectors* spaced a distance apart and connected in parallel *will* evidence a singularly powerful high-frequency heterodyned signal.

We invite all experimenters to attempt reproduction of these paths into the legendary; for surely there awaits the venturers a glorious prize in this noble quest and calling.

"A grey object on a black ground appears much brighter than the same object on a white ground. If both comparisons are seen together the spectator can hardly persuade himself that the two greys are identical. We believe this again to be a proof of the great excitability of the retina, and of the silent resistance which every vital principle is forced to exhibit when any definite or immutable state is presented to it. This inspiration already presupposes expiration; thus every systole its diastole. It is the universal formula of life which manifests itself in this as in all other cases. When darkness is presented to the eye it demands brightness, and vice versa: it shows its vital energy, its fitness to receive the impression of the object, precisely by spontaneously tending to an opposite state."

Johann Wolfgang von Goethe from *Theory of Colours*, 1810.

VIRTUAL REALITY



BY
LEN BRACKEN



"It's as large as life, and twice as natural!"
Lewis Carroll

If you haven't already heard about VR (Virtual Reality), you're a bit out of touch with the latest self-proclaimed, avant-garde art movement. Take solace in your ignorance; it may be that you're still in touch with reality. What is VR, other than an oxymoron? In brief, it is the simulation of reality by means of "3-D" stereoscopic computer graphics.

You're probably wondering what is avant-garde about "3-D" imagery. Doesn't it sound similar to the mid-century stereoscopic movies that required special glasses to be viewed, and amounted to no more than a gimmick? The difference is the gadgetry.

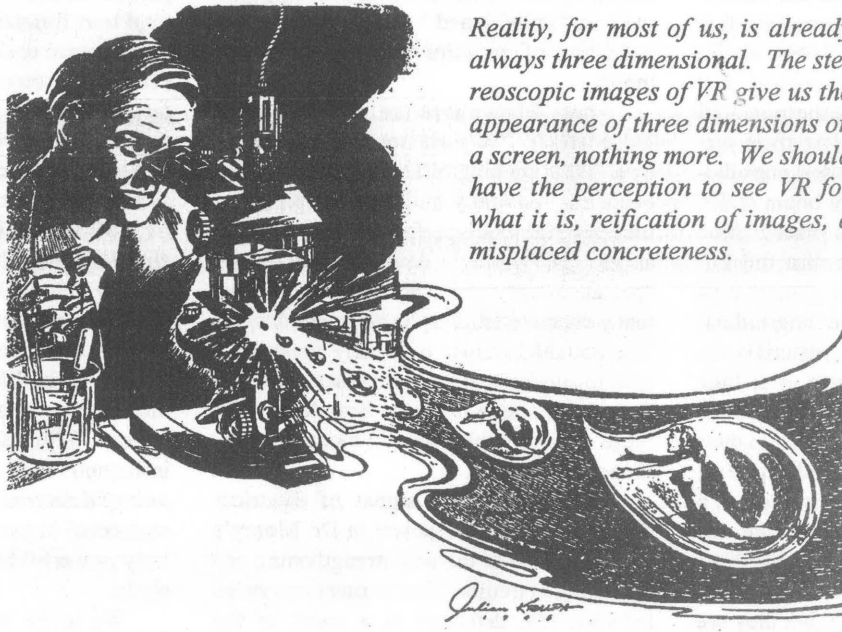
It's still a gimmick, and the claim to be avant-garde art is pretentious, if not fraudulent. Whereas the arts put artifice in the service of representation or abstraction, VR's apparent goal is to erase the distinction between representation and reality with technology. Whereas the authentic European avant-garde art movements were in opposition to the status quo, the partisans of VR are in collaboration with NASA and Mattel.

It isn't my intention to bore you with technological banalities, but, for better or worse, VR is likely to become as commonplace as television and telephones. The best example to date is NASA's Virtual Interface Environment Workstation (VIEW), although several commercial versions are already being marketed. The hardware includes a stereoscopic display that changes perspectives as the result of head movement. Gloves that register tactile input control real-time computer graphic and video equipment. The technology also allows one to speak with, and hear the computer.

The operative prefix for the gadgets of VR is the inter-interface, interactive, inter-

change.

The partisans of VR say they have perfected the interface between humans and computers to the point where the word no longer applies. Magnetic sensors track head movement so that when one tilts one's head up, the virtual environment moves down; pan right and the scene shifts left. Goggle displays bring the screen close to the eyes and encompass peripheral vision. The gloves transmit data from finger movement, through optic fibers, to a computer giving one the apparent ability to fly in the direction one points, or to grasp virtual objects, etc.



Reality, for most of us, is already always three dimensional. The stereoscopic images of VR give us the appearance of three dimensions on a screen, nothing more. We should have the perception to see VR for what it is, reification of images, a misplaced concreteness.

The interactive aspect of VR is being touted by Timothy Leary as the technology that will liberate humans from television dictatorships. The "participant" can create environments and scenarios, albeit within the confines of the program and available data. So instead of TV network oligopolies, and it remains to be seen if they will be supplanted, we would be imprisoned by programmers who are run by computers.

The likely scenario is that if interactive programming is popular, the TV networks will create the most seductive spectacles for the masses. They will usurp any technologi-

cal innovation originating in the margins, or the military, and use it in accordance with mainstream public opinion. TV networks are reportedly considering broadcasting digital, dual stereo images that have interactive capabilities.

The dictum, "the medium is the message" still holds. The prospect of a network interface that allows my telepuppet to interact with the puppets of others in environments of mutual creation leaves me cold. Supposedly, the force feedback hardware under development, such as a suit lined with effectors that transmit and receive tactile data, will make

VR the hottest medium, i.e., when your puppet touches another puppet you would be able to feel it, and vice versa.

This development has opened the door for sex through computer characters. Not surprisingly, many people look with great excitement to the day when they can appropriate the body of a movie star in VR. I adore my lover not because she is glamorous, but because of her blemishes, because without them she wouldn't be who she is. Her feelings are focused on my scars.

The hottest medium is human flesh, and I'd wager actual sex is better than virtual sex. The

latter may allow cold expression of desire, but isn't as malleable or as vivid as an onanist fantasy. Because our bodies are outside it, VR doesn't permit the most genuine and profound form of communication: sexual intercourse. Despite the fitness craze and its more prevalent but equally corporeal antithesis, gluttony, we are alienated from our bodies. Technology is largely responsible for this sad relationship. VR's disembodied telepresence that disallows unconscious communication, can only make matters worse.

Writing in the October '90 issue of *Exposure*, and posing as the Grand Mandarin of

Cyberia, Timothy Leary would restrict bodily experience to pleasure and thinking to VR. He ignores the Chinese sages who saw the spiritual value of chopping wood. His vision is of automated ploughs operating in Nebraska by remote control from Acapulco. I would be very surprised if Leary doesn't have a Mexican maid.

In VR we exchange places without occupying spaces. In other words, we enter an abstraction. Reality is left behind, along with our bodies, in addition to the costly equipment, they are the price we pay for this exercise in escape. Is stereoscopic apparatus necessary, or desirable, to perceive dimension in reality?

Reality, for most of us, is already always three dimensional. The stereoscopic images of VR give us the appearance of three dimensions on a screen, nothing more. We should have the perception to see VR for what it is, reification of images, a misplaced concreteness.

The VR process is one of interchange--the exchange of reality for abstraction, the commutation of one's unique and sovereign body into a telepuppet that can be shared by one and all, and the interchange of being able to do what one wants to do, with what the machine allows one to do. And on the simulated horizon looms the displacement of intercourse by interchange.

Being entirely outside the realm of authentic sexual intercourse, one must ask how effective a tool VR is for non-sexual intercourse. Without the body, the possibilities of unconscious communication are foregone, or at best relinquished to the proxy of telepuppets. It is true that VR gives the user a plethora of symbols to manipulate into various configurations, more than he or she would have in a face-to-face conversation.

However, the meaning of these symbols is often unclear, even to the user. Artists featured in the Art Futura '90 Virtual Reality exhibit in Barcelona, Spain, a watershed event for VR, were often hard pressed to communicate the meaning of their work. What you have is the possibility of expression, but does this expression emanate from the user, or the computer.

In the first article of the AF (Art Futura) catalogue, award-winning Rebecca Allen tells us, "...computer generated characters realistically simulate 'human-like' logic and behavior." Does she mean that human behavior and logic are reconcilable?

When commenting on her piece "Steady State" on BUZZ MTV, Allen referred to her characters as objects. In the obscure reality of art, characters are imbued with the subjectivity of the creator, and thus become subjects in

their own right. The viewer is the object, no?

Allen foresees a day in the near future, once our perceptions of reality have been properly expanded by VR, when our interaction with computer characters will be indistinguishable from reality. This, she says, will be putting her, "...technical capabilities to use to improve the human condition." Is this not a hiatus from reality and substitution of the human condition for an inhuman condition? Does she propose virtual food and shelter for the poor?

Lest you think I've singled out Allen for my derision, I'll pass to this second essay in the Art Futura catalogue by Luis Racionero. He evokes Judeo-Christian millenarianism and states that the AF exhibit displays this quest to escape reality. This charitable admission prepares the simulated ground for more exasperating nonsense.

According to Racionero, the traditional arts and our senses have reached their limits. What is needed is, "a different program for the brain," based on chemistry and computers. The apparent goal is to short circuit the brain so that it mistakes data from a program for "data" from reality, as part of a "religion of science" founded on quantum physics!

In his essay Timothy Leary states that "new vehicles and information devices" are linked with human evolution. To my less than transhuman mind, these means-oriented engineering advances with no clear objective race ahead of human evolution. I'm leary of efforts to improve man by technological means. To me, the former drug guru smells like a zoo keeper who wants to tame the animal in us by putting us behind the bars of a screen.

Is the "assumed, if not obvious goal," of making representation indistinguishable from reality, as Scott Fisher of NASA wrote in the AF catalogue, a worthwhile objective? Do not the traditional arts that make no pretense to being anything other than representation bring us closer to reality. Through distortions and exaggerations we enjoy a certain distance that illuminates human experience. Paradoxically, distance brings us closer to the real.

To paraphrase a venerable ancient, what appears real to me is real for me, and appears real to you, is real for you. If you fail to make the distinction between representation and reality, between the virtual and the veritable, then VR will appear to you to be real. Indeed the simulations provided by cyber lenses, data suits, and data gloves, are perceived by those with a taste for VR as being more real than reality.

We now see kids playing Nintendo with Mattel's simplified version of the data glove. The man who stands to make a fortune on this device, Jaron Lanier, said in an interview in

the willfully trendy *Mondo 2000*, "If the technology makes people more powerful or more smart, then it's an evil technology." This statement begs to be converted into the affirmative; good technology makes the user weak and stupid.

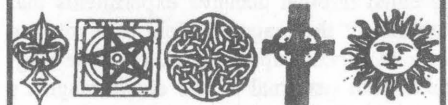
Personally, I don't believe Lanier is being altogether honest with us. Indeed, later in the interview he jokingly admitted, "But my nose is three miles long." Would NASA be interested in VR if it didn't give them the power to manipulate an environment? Of course, Lanier could be correct in that the power to manipulate nonexistent environments is emasculated power.

None of this bodes well for the future. In *Exposure*, cyberpunk novelist William Gibson understated a very real danger, "Virtual Reality will just be another way to get even further into the consumer than we already have." The Power Glove toy certainly does its part to socialize rich children to consume the spectacles of technological society. It also gives them the illusion of power, and alienates them from their bodies at an early age by hypnotizing them before the screen for hours on end, rendering them more and more sedentary. Instead of wiffle ball, they should be playing hard ball.

Instead of the interactive multi-media educations some children are already receiving, they should be encouraged to interact with low-tech multidimensional forms, such as the book. In my opinion, the hours humans spend in front of screens, saps their imaginations and promotes illiteracy. What would Duchamp think of a variation of his *Mona Lisa* transformation being used by Apple to advertise computer education?

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ROTATION OF MAGNETIC FIELD OF A ROTATING MAGNET

PARAMAHAMSA TEWARI

INTRODUCTION

Faraday performed experiments in 1832 by rotating a copper disc close to a magnet (Fig. 1) and came to the final conclusion that in a system of rotating magnet, the magnetic field lines rotate with the magnet. As can be seen in fig. 1, whether the magnet and the disc conductor rotate together or not, voltage is induced as long as the conductor rotates. When the disc conductor rotates and the magnet is stationary, Faraday considered production of emf due to 'flux cutting' phenomenon. However, when the co-rotating assembly of the magnet-disc conductor, also showed generation of emf, Faraday believed that the magnetic flux remained fixed in space though the magnet rotated, and thereby the principle of 'flux cutting the conductor' could be retained. It is later on (1851) that Faraday concluded [1] on the rotation of the magnetic field lines along with the rotating magnet.

Other experimenters [1] who disagree with the above view of Faraday have based their findings to the detection of electromotive force (emf) with different configurations of rotating magnet and circuit conductors with and without relative motion between the magnet and the conductor (seat of emf generation) and have disproved "flux cutting" hypothesis for emf generation and thereby Faraday's ideas on rotation of magnetic field along with rotating magnets. Recent experiments on rotation of electromagnets with electric coil mounted integrally on the iron core, have revealed through decisive experiments that rotation of the magnetic field of a rotating magnet depends upon the nature of the magnetic path (external to the electromagnet's core) that the magnetic field lines take, and there are cases where a rotating magnet can either have its magnetic field rotating with it, or the field can be also fixed in space with the earth's frame of reference. In these experiments, the emf produced in a disc conductor co-rotating with the electromagnet is made to produce current through a stationary circuit, and the effect of the interaction of this current with the magnetic field that initially produced the emf in the rotating conductor is observed.

FORCE ON A CURRENT CARRYING CONDUCTOR IN MAGNETIC FIELD

A current carrying conductor (fig. 2) ex-

periences a force in magnetic field (from magnets fixed in the earth's frame of reference) relative to which the conductor is free to move. The conductor C will produce magnetic field B due to its current, and the interaction between the fields B and BM will create a transverse force that pushes the conductor C as shown in the figure. In fig. 3, conductor D is rigidly fixed to earth's frame whereas the electromagnet is free to rotate. The flow of current through the airgap and the interaction of its magnetic field with the electromagnet's magnetic field in the airgap creates a torque on the electromagnet, the direction of the torque being in opposition to the drive motor's torque used to rotate the electromagnet. In the central iron core of the electromagnet where the source of the magnetic field, that is, the electric coil and the iron core have no relative motion, it is experimentally observed [2, 3, 4] that no torque is developed due to radial

current flow. Thus it is seen that generation of force and doing work with a current carrying conductor in an external magnetic field is possible if either the current carrying conductor, or the source of the external magnetic field is fixed with the earth's stationary frame so that relative motion between the conductor and the external magnetic field is made possible.

For the conductor C (fig. 2) to experience force and move relative to the magnets, the magnetic field BM should be in rigid connection with the fixed magnets. Also, for the development of an anti-torque in the rotating electromagnet (fig. 3) and transfer of the anti-torque to the drive motor, the magnetic field BA in the airgap must be fixed with the outer flux path of the electromagnet and should rotate with it so as to have relative motion with the fixed conductor D in which the force is first generated and its reaction transmitted to the electromagnet. From above discussions, following can be inferred:

- (i) A magnet fixed with the earth's frame has its magnetic field also fixed in space.
- (ii) A rotating magnet carries its magnetic field with it.
- (iii) For the development of force and

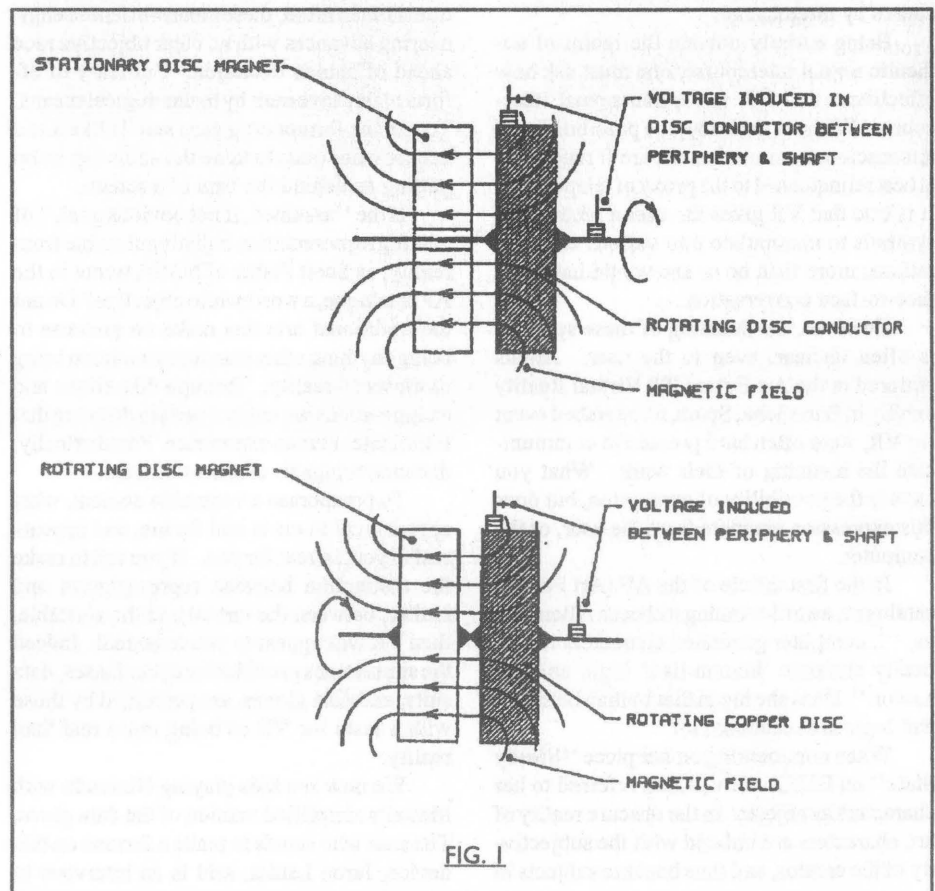
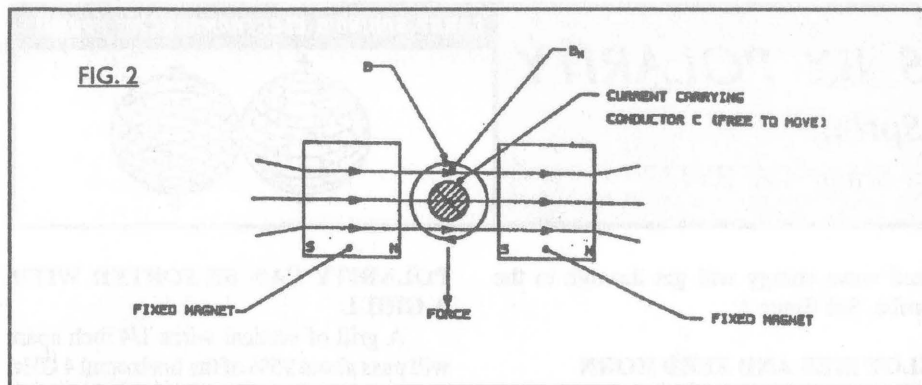


FIG. 1



work to be done between a current carrying conductor and the external magnetic field there should not be rigid connection between the source of the magnetic field and the current carrying conductor.

DECISIVE EXPERIMENTS:

In contrast to the conclusion (ii) above a recent experiment by the writer described below has shown that there exists a specific case where a rotating electromagnet does not carry its magnetic field with it.

Refer fig. 4 The rotating cylindrical electromagnet through its magnetic field should experience an anti-torque due to the stationary Aluminium plate, which carries current produced by the voltage generated in the rotating electromagnet through the action of space power generation [2, 3], similar to the development of anti-torque in fig. 3. The basic difference in fig. 3 and fig. 4 is that the flux return path in the former is through rotating iron rings, whereas in the latter the flux returns through static iron yokes. Experiments reveal that the drive motor (fig. 4) does not see any anti-torque thereby clearly show-

ing that the magnetic field B_S is stationary in space in the air gaps on either side of the fixed Aluminium plate, and therefore the magnetic field from the current in the Aluminium plate which is also fixed in space does not produce any anti-torque on the drive motor. That B_S does not rotate with the electromagnet in this experiment is also supported by the fact that the efficiency of the power generated from the electromagnet, which in fact is similar to N-Generator/Space Power Generator, reduces considerably showing thereby that despite the fact that the electric coil and the iron core are co-rotating, the iron core conductor of the electromagnet possesses relative motion with respect to B_S , as is the case of a conventional homopolar generator.

It is seen in fig. 4, that the external fixed yoke provides a magnetic path which is not axisymmetric with respect to the cylindrical electromagnet, and therefore the magnetic field is arrested from rotation. In case of the electromagnet in fig. 3, the external flux return path is axisymmetric and also rotates with the central core of the electromagnet, and therefore the magnetic field B_A in the air gap,

also rotates with the electromagnet as concluded above. It is thus seen that the path of the magnetic field external to the rotating magnet determines whether the field of the magnet rotates with it or not.

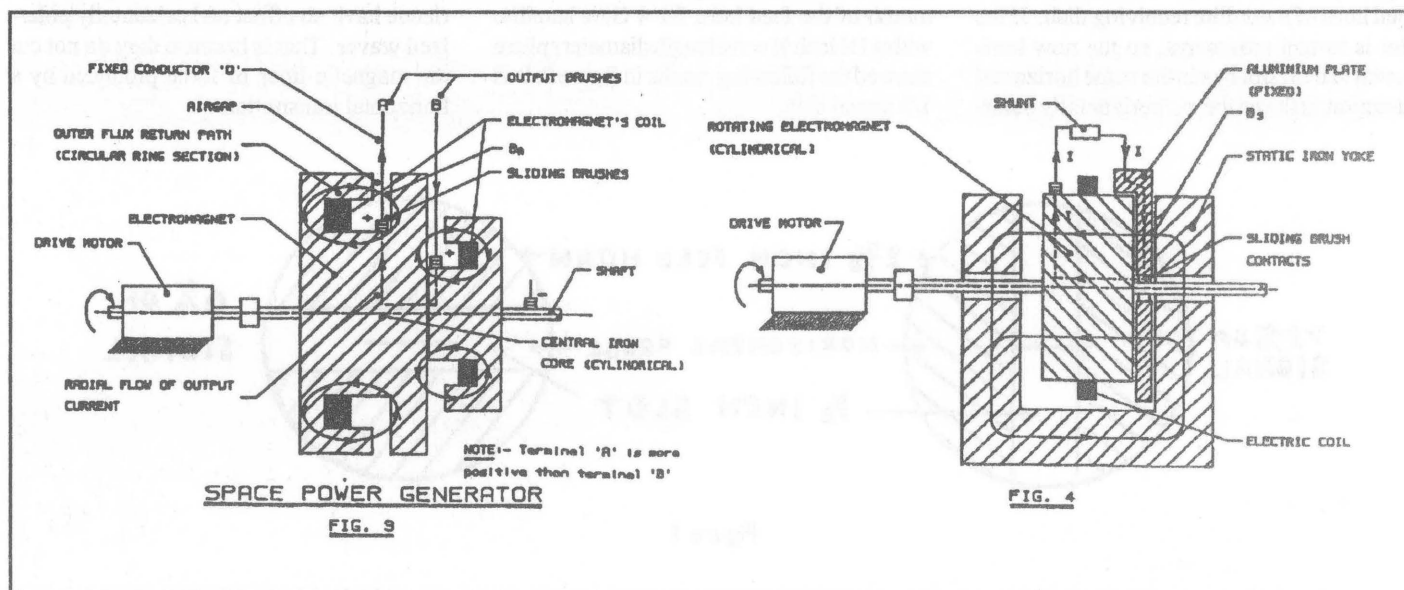
CONCLUSION

Considering the case of a cylindrical electromagnet in rotation, it is concluded that :

- (i) the rotating magnet carries its field with it if the flux return path is through vacuum, air, or non-magnetic material;
- (ii) the rotating magnet carries its field even if the flux return path is of magnetic material and stationary, provided it is axisymmetric;
- (iii) the rotating magnet does not carry its field within its body or external to it if the flux return path is magnetic, stationary and not axisymmetric.

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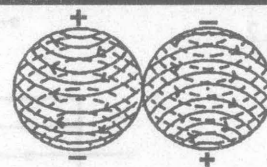


SORTING SPHERES BY POLARITY

by Larry Spring

225 Redwood Ave., Ft. Bragg CA 95437

LARRY SPRING'S ELECTROMAGNETIC SPHERES



SORTING SPHERES BY POLARITY THROUGH A SLOT

Now there is another way to sort waves, and that is by polarity. The sphere of magnetic energy is created around a transmitting rod when an electrical current flows. The direction of the magnetic lines of force are vertical to a horizontal rod, and the rod is parallel to the wave front. When the current reverses, and an opposite polarized field develops, it drives off the first field, which takes some energy with it. It travels at 90 degrees to the rod. This happens twice each full cycle, so the spheres are $\frac{1}{2}$ wave in diameter with poles corresponding to the $\frac{1}{2}$ wavelength rod they just left. The maximum energy is transmitted around the rod with a minimum from the ends.

I remember the cone of silence directly over the radio transmitter, using a vertical transmitting tower, while flying a radio range during World War II.

Polarities can be sorted with a slot. Contrary to the findings of old time scientists, it is the horizontally polarized wave that goes through a vertical slot. It appears that the poles do not carry as much magnetic energy as the equator, so a vertical slot $\frac{1}{2}$ inch wide and 2 inches high will pass about 75% of the horizontally polarized wave energy to a horizontal probe antenna in the feed horn of a satellite receiving dish. If the slot is turned crossways, so the now horizontal $\frac{1}{2}$ inch slot lies in the same horizontal direction as the probe, no horizontally polar-

ized wave energy will get through to the probe. See figure 1.

SLOT SIZE AND FEED HORN OPENING

When the horizontal slot was enlarged to 1 inch, some horizontally polarized energy started to get through. Remember the $\frac{1}{2}$ wave sphere is $1\frac{1}{2}$ inches in diameter, so we would have to make the slot $1\frac{1}{2}$ inches wide to let it all through.

Tests at the mouth of the feed horn with

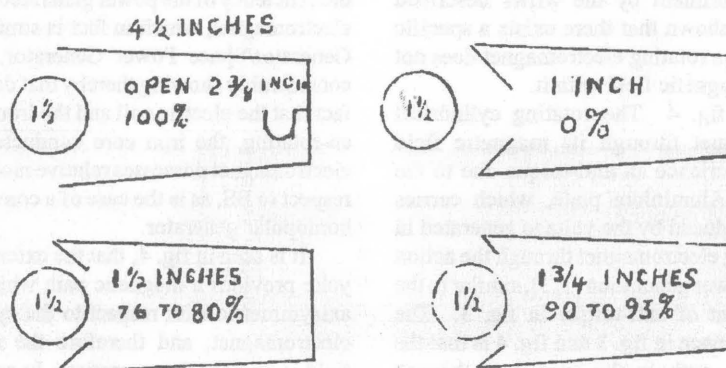


Figure 2

metal funnel like shape inserted into the mouth of the feed horn for 4 GHz satellite with a $1\frac{1}{2}$ inch $\frac{1}{2}$ wavelength diameter sphere showed the following results in figure 2. It is $\frac{1}{3}$ actual size.

Vertical rods by present and past experience have no effect on horizontally polarized waves. That is because they do not cut the magnetic lines of force produced by horizontal transmitter.

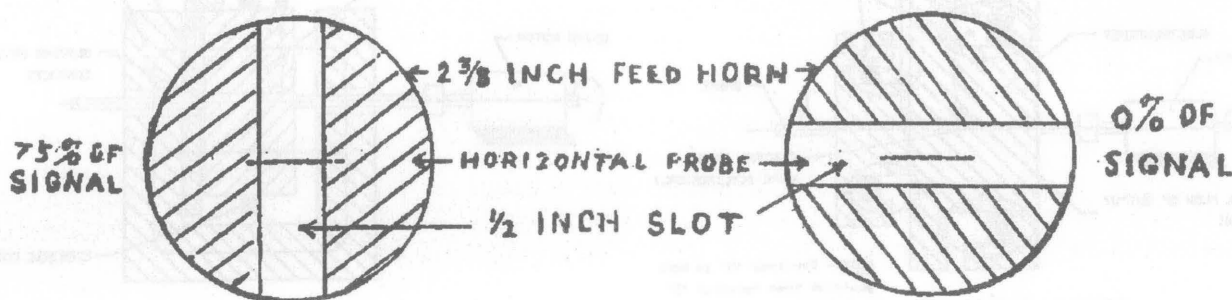


Figure 1

DIPOLE ANTENNA

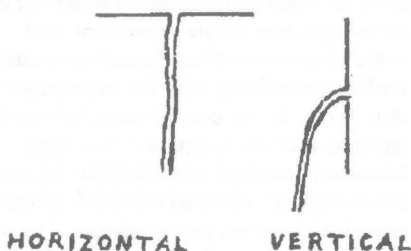
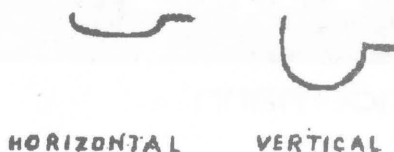


Figure 3

SATELLITE PROBE



POLARITIES CAN BE SORTED WITH RECEIVING PROBE OR ANTENNA

Polarities can be sorted by simply turning the antenna to a horizontal or vertical position. Vertical receives vertically polarized waves. Horizontal antennas, or satellite probes, receive horizontally polarized waves. That is the common way to separate satellite polarities today. See figure 3.

POLARITIES CAN BE SORTED BY BREWSTER'S ANGLE

When light strikes glass at an angle of about 57° from the vertical the portion reflecting will be polarized in one direction. The rest will pass on through. One of my back yard tests showed angles of 58° to 60° using the sun.

Further tests with laser beam passing through polarizing film showed an angle of about 55° figured from the vertical from a pane of glass. Above are rough tests just to prove a point. See figure 4.

The problem with sun and laser is you do not know which way the polarized light is polarized. Polaroid film and crystals are composed of slots which permit one polarity

to pass through and the opposite polarity is reflected back.

By making a grill of wire spaced ¼ inch apart I can make a duplicate of a polaroid film that works on 4 GHz satellite signal which is of known polarity.

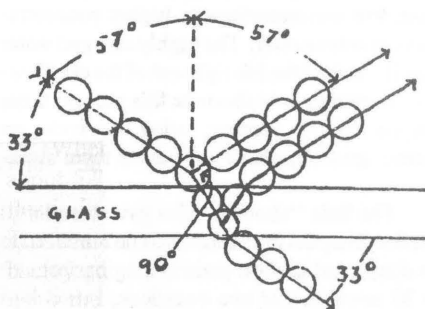


Figure 4

I find that the horizontally polarized signal passes through the vertical slots which gives strong indication that the magnetic lines of force are vertical around the horizontally polarized ½ wavelength spheres of magnetic energy as stated in the Larry Spring Spherical Theory.

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Fizi_x Korner⁺

with Peter Lindemann

Back in the 1970's, I was studying the works of the great geniuses of this century. Among those I studied were the works of Wilhelm Reich and Ruth Drown. I discovered early on, that when studying the works of great minds, it is very important to read the works that they themselves have authored. Most "followers" are only capable of following and usually do not comprehend the intimate details of the master teacher.

Reich's work was so vast that I concentrated on the energy and physics side of his discoveries. I speculated that if I could verify the basic behaviors and characteristics of this "orgone energy" he spoke of, then I could consider the rest of his pronouncements to be reliable. To do this, I built three orgone accumulators. One was 4ft x 4ft x 6ft, large enough for two people to get into. One was 12in x 18in x 24in, about the size of an ice chest. The last one was 1ft x 1ft x 1ft, set up as an "orgone shooter". For over 6 months I did many, many experiments using these accumulators. Everything I saw during this period convinced me that Wilhelm Reich was a genius of extraordinary proportion who had made some of the most important discoveries of this century. Every experiment that I tried seemed to produce the results that Reich described in his writings.

For instance, on numerous occasions in the large accumulator, when extreme measures were taken to block all light from the outside, a blue-gray fog was still visible inside the accumulator, punctuated by periodic flashes of yellow light. These phenomena were also visible whether my eyes were open or closed! There was a distinct warming effect felt near the inner metallic side of the accumulator, but the metal was cold to the touch. Also, after spending an hour a day in the accumulator for three weeks, I had extremely uncharacteristic stamina. I discovered this while swimming in the ocean. I simply could swim and swim without getting tired. The energy charging effects were obvious and blatant. The other noteworthy event was that an infected wisdom tooth that my dentist was ready to extract, completely healed in the first 4 days, without any other treatment, and has never bothered me again.

I also did a wide variety of experiments charging water in the medium size accumulator. The most remarkable effects were these. The maximum beneficial charge in the water seemed

to be reached after about 30 hours in the accumulator. If the water was taken out before this, its charge was not as strong. If the water was removed later than this, the charge was no stronger but the quality of the energy was degraded and stale feeling. The 30 hour water had a very active energy charge. If I drank a 16 oz. glass of the water quickly, the energy charge would enter my body all at once. Also, when cut flowers were placed in this water, they would invariably wilt within 2 minutes. Roses would start dropping petals within 30 seconds. The flower experiments proved to me, more than any others, that orgone energy definitely moves from low concentrations to higher concentrations spontaneously. The highly charged water rapidly sucked the life right out of the cut flowers. Nothing could illustrate this process more graphically. In contrast, using this water on potted, growing plants only made them stronger.

The little "shooter" also gave wonderful results. The pain from scratches and burns could be eliminated in short periods ranging from 10 to 30 minutes. On two occasions, I used it to eliminate all the pain from a major tooth extraction. After the Novocain wore off, there was no pain and no infection. This effect usually took about 45 minutes to accomplish when it was started immediately after the oral surgery.

After seeing all of these spectacular results, you might think that I would advocate mass public use of orgone accumulators. Well, I don't and I'll tell you why.

Reich also did some experiments in 1950 and 1951 where he placed small amounts of radioactive elements in his orgone accumulators. By doing this, he inadvertently placed his entire staff at grave risk of death, but was subsequently able to clearly identify the most dangerous pollutant in the environment. What this experiment produced Reich named "oranur". It stands for the ORgone Anti-NUclear Reac-tion. Reich describes oranur as orgone energy that has been excited into a state of extreme frenzy by the action of nuclear material. At its creation, this is quite often true. But after the extreme excitation wears off, oranur simply becomes orgone energy that has lost all of its normal behavior characteristics. Gone are the natural elasticity and primary pulsatory actions. It is still "life force", but it has lost its life. For a complete account of Reich's experiences, I

recommend reading "The Oranur Experiment" in the book entitled Selected Writings by Wilhelm Reich. The consequences of oranur exposure described by Reich were severe. Initially all of the experimental animals within 1/2 mile of the epicenter of his experiment died. His entire laboratory staff was forced to evacuate the facility immediately after the experiment was shut down. Many needed immediate medical attention and one assistant almost died. The laboratory remained uninhabitable for weeks. But the oranur unleashed at Reich's laboratory caused wide spread consequences. The most glaring of which was the fact that "background" radiation counts tripled for a 600 mile radius.

Oranur was so dangerous, that I decided to take Reich's word for it and NOT attempt to duplicate any of these experiments. I was, after all, not a competent researcher. I was just a college drop-out fooling around in my backyard. But very shortly after making that decision, I was confronted with a full blown oranur emergency of my own without even trying.

In October of 1977, a few weeks after Mao Tse Tung died, the government of the People's Republic of China detonated a large hydrogen bomb in the atmosphere on a testing range at a location in the remote interior of China. I was living on the west side of the Island of Hawaii at the time. The media covered the story of the movements of the cloud of radioactive fall-out as it drifted to the east and eventually was dropped on the east coast of the USA in a rain storm. That ended the "big story" for the media. For Hawaii, the big story was still coming.

The Island of Hawaii is over 6000 miles from the nuclear test site in China. From my home, outside the little town of Kamuela, at an elevation of about 2500 ft., I had a commanding view of the island including 40 miles of coast line to the west and clear view of two 14,000 ft mountains, Mauna Kea and Mauna Loa. We had all been assured that the radiation had passed well north of us and that there was no danger.

Then two weeks later the oranur arrived. That morning, as I looked out over the island, noticed a formation in the sky that I had not seen before or since. A thin band of white was arching across the southwestern sky from south to west. As the day progressed, the band continued to move slowly over the island. By mid day, it was over the mountains and I could estimate its altitude at about 50,000 ft. By this time, I had decided that I was looking at a section of a huge, expanding ring. I also noticed that to the west, out over the ocean, it was preceded by a group of black clouds that were at the 2000 to 3000 ft. level. These were the classic DOI clouds as Reich describes them. Behind the white, high altitude band, the sky was absolutely clear. After that day, my accumulators were strangely different. But that wasn't all. By the

middle of December, about 6 weeks later, everyone on the Big Island got sick with an odd "flu". For me, it was a severe stomach ailment that kept me in bed for 24 hours. Others were down for over a week with various complaints. Everyone's symptoms were different, but everyone had symptoms at the same time. The doctors on the island were swamped and didn't know what was happening. The media made no mention of anything. At the time, it seemed that I was the only one who knew what was happening and I was nearly immobilized by the horror of it. In the end, there was nothing I could do but watch.

(Up until the writing of this article, I have always assumed that the oranur that poisoned Hawaii in 1977 was from the Chinese bomb test. However, the oranur clearly came from the southwest. If it had come from the Chinese test it would have had to come from the northwest. For all of these years, I have not been able to resolve this difference. Now that I am older and more self-aware, I have no trouble drawing the obvious conclusion. I now believe that this oranur came from an unannounced nuclear test somewhere in the South Pacific, possibly by the French. It was absolutely an atmospheric nuclear test that caused it. Only the French were known to be testing in that area.)

By February, 1978, the island was locked into a severe drought. Day after day after day of cloudless skies. Then the winds came. With no storms near, the Big Island had two three week periods through February and March with sustained winds of over 40 mph and gusts up to 60 mph. I can remember times driving along at 55 mph and watching the shadows of clouds on the road passing me in the same direction. Then one day a series of high wind gusts were clocked at over 90 mph. That same day, a green house in my back yard was destroyed by wind. Even after the winds subsided, the drought continued.

But my wonderful orgone accumulators were now making me sick. I had to dismantle them and leave them outside all the time. I could no longer use them. But that wasn't the only problem. On the day the oranur came through, the medium sized accumulator had been in my office. Within three weeks I realized how badly contaminated it was and took it outside. But that didn't end the problem. My office still retained the severe effects of oranur poisoning even after the accumulator was removed.

By this time I had begun studying the works of Ruth Drown and radionics. On an intuitive guess, I ordered a piece of equipment from Dr. Bruce Copen in England called the "radiation rectifier". When it arrived, I immediately went into my office and plugged it in. Within 5 seconds the residual oranur field collapsed from the action of the device. To this day, it remains one of the most frightening and enlightening experiences of my life. As the orgone energy in my office was transformed from oranur

back to healthy life force, the nature of oranur was dramatically revealed. Words are completely inadequate to describe what took place but I have described it as the dousing of a transparent cold fire. Before I turned the device on, I thought there was a problem. After I turned the device on, I was immediately educated about the gigantic proportion of the problem and witnessed its solution simultaneously. I was in ecstasy and shock. Reich had never known how to clear oranur, but now I knew how. I made some design changes to my orgone accumulators and shifted my focus of study to radionics. After all, if radionic research in England had solved the oranur dilemma, I wanted to know all about it.

Radionics is a study of all of the subtle patterns or tunings that exist within the living energy field. A radionic tuner can tune to any pattern that exists. But after years of study and experimentation, I found that there were conditions that radionics was unable to detect. Symptoms existed and persisted, but I could not isolate a specific tuning that could be identified as the primary cause. It was being obscured or masked in some way, and I had to find out how before a cure could be realized. After years of work, I discovered that the problem was my old nemesis, oranur. But now I was seeing it in radionic terms, far from any orgone accumulators.

Eventually, I invented a vocabulary to describe the problem and its solution which I now give to you. Orgone energy (life force, chemical ether, chi or whatever you want to call it) is the ever present energy field that all living processes depend on for existence. The most important aspect of this energy field in relation to living things, besides its pulsatory nature, is its inherent ability to be impressed with and to hold a wide variety of patterns. To describe this, I coined the term "patternability". Orgone energy pulsates and has patternability. Out in the environment, orgone is patternable but generally unpatterned. Within organisms, the orgone energy MUST conform to the pattern impressed into it by DNA, otherwise it cannot function as the living energy that animates that individual organism. Now, there are patterns within the life force that are good for us. These patterns generally correspond to substances that we call foods, vitamins, minerals, nutrients, and remedies. There are also patterns within the life force that are not good for us. These patterns generally correspond to substances that we call poisons, toxins or waste products. On a purely energetic level, Reich referred to this toxic life force as Deadly Orgone Radiation or by the acronym DOR. A competent radionic operator can easily tune to all of these positive and negative patterns within the life force. Then there is oranur. In radionic terms, oranur is life force that has lost its ability to be patterned.

Herein lies the understanding of the extreme danger it presents.

First of all, it is undetectable by radionics. Radionics, remember is the study and detection of all the patterns in the living energy field. If the energy you are dealing with is incapable of supporting any patterns, there is nothing there for radionics to detect. Also, many patterns that would normally be detectable are now invisibly masked by the simultaneous presence of oranur. After studying this problem and working with it for 14 years, I can say with complete confidence, it is not possible to detect either the presence or quantity of oranur using radionics or dowsing. It is possible to get indications on the equipment, but the specific qualitative and quantitative measurements are unreliable and useless.

So, what does oranur look like if it gets into the body? First of all, the healthy life force has no natural defense against it. Because oranur is completely unresponsive, the healthy life force cannot even get a handle on it to "sequester" it as it does to other toxic substances. That is why all body systems are taxed. Symptoms show up as the emergence of the weakest system breaking down. That means that the same problem, oranur poisoning, looks different in each individual case. If a sufficient quantity of oranur begins animating cells, those cells can no longer respond to the DNA in the nucleus, the patterning force, and they cease to function as an integrated part of the whole organism. When this condition arises, it is usually called cancer. Now there are certain types of cancer that are caused by situations unrelated to the presence of oranur, but the presence of sufficient quantities of oranur will always cause cancerous growths. These kinds of cancers will always be fatal unless the patternability of the life force is re-established. The presence of oranur is always a predisposing factor toward failing health.

And now the bad news, just about everybody has some oranur in their body right now. Have you ever had an X-ray? X-rays produce oranur. Exposure to radioactive materials, like the smoke detectors in most people's homes, produce oranur. And the list goes on. Nuclear testing, as we know, produces oranur that travels hundreds of miles from the test site, even from underground tests. Operating nuclear power plants produce active and sustained oranur fields many miles in radius. And ordinary, every day appliances in our homes collect it. Actually, any enclosure that even remotely behaves like an orgone accumulator will collect oranur. These include metal file cabinets, ovens, microwave ovens, and other metal boxes that have been painted or covered with enamel or plastic. If you're not scared yet, it's probably because your emotions are too immobilized by oranur.

Fortunately, the technology exists to eliminate oranur. The first device I found was the Copen Radiation Rectifier. It works very well.

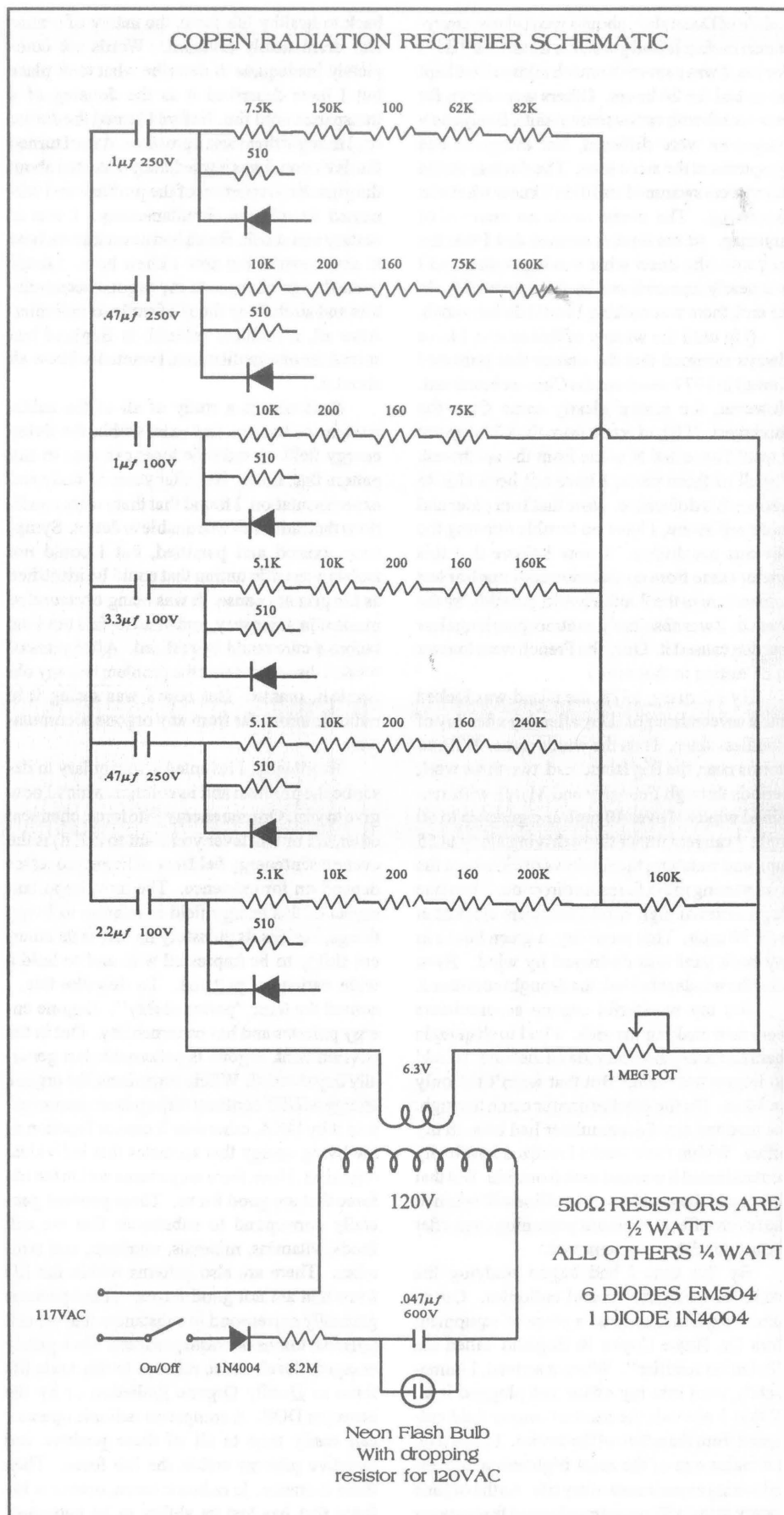
I have two of them and still use them. My understanding is that Copen no longer builds this model, but has replaced it with newer units. In all of my research, I have not found any devices or techniques developed prior to Copen's work, so I believe he is the one who solved this hideous problem. For that, I nominate him for the Nobel Prize in Physics. Since then, I have developed small, battery powered devices that also do the job beautifully. I have also developed a technique for clearing oranur using the SE-5, which I have taught in workshops to advanced users. Their reports back from the field suggest that the techniques work quite well.

I strongly advise any and all radionic practitioners to add oranur clearing capability to your repertoire. It's the missing link. The procedure I use is this. First, clear oranur. Since it cannot be reliably detected, I start with the assumption that it is there. The clearing process will either clear something or not. Everyone that I have attempted to clear, needed it. Next, stimulate the DNA function up to 100%. Then finally, stimulate the RNA function up to 100%. Since oranur suppresses the action of DNA and RNA, these two functions must be brought back to normal after the oranur is cleared. Do these three steps before bothering with a radionic analysis. Only after this procedure will a radionic analysis be accurate and the body able to respond fully to radionic treatment. Plus, the oranur clearing by itself usually clears up a wide range of odd, seemingly unrelated and persistent symptoms.

I sell a portable device I manufacture called the *Spacecrafter*. It can clear oranur as well as all forms of geopathic disturbances and all other irregularities in the life force. It sells for \$500 and can be purchased now through BSRF.

For SE-5 owners, give me a call at (503) 895-3724 and I will explain the oranur clearing procedure to you. Or, organize a group and I will come and teach a workshop.

And finally, for you do-it-yourselfers, the following is the schematic of the circuit of the original Copen Radiation Rectifier. I know this circuit very well but have never built one. The two that I have, I bought from Dr. Copen. I can tell you that during the research phase for the development of the *Spacecrafter*, electronic components had to be selected not only for their circuit values but also for their chemical composition. Certain resistors had to be carbon and critical diodes had to be silicon. Capacitor values and composition were also critical for proper function. Only trying various components of similar value will show you what is best. When it's right, the effect of having your hand near the circuit board will feel like a soft cool breeze going toward the circuit right through your hand. If this energetic feeling feels warm or hot, keep trying.



For those of you who are skilled in the art of electronic circuit design, I add these words of caution. Contrary to everything you were taught, each separate resistor on this board may serve a purpose other than that necessary to produce a specific total resistance. The six pairs of 510 ohm resistors and diodes that have one end attached to the circuit and the other end free constitute the "antenna" of the system. All resistors are 1/4 watt carbon resistors except for the six 510 ohm ones which are 1/2 watt carbon resistors. The six capacitors in the output section are electrolytic and the capacitor in the power supply section can be ceramic. The six diodes in the output section are a German component labeled EM504, the exact American equivalent I do not know. Try various silicon and germanium diodes here. Each different kind of diode

placed here will give the device a slightly different "feel" so experiment around and let us know what works best. These "free end" diodes are the heart of the system and are the most important component to get right. The Spacecrafter unit I build uses the 1N4148 diode. It may not work as well in the Copen circuit, but it's a place to start. Also, I recommend that you use only lead-free solder for all connections.

The output from the secondary of the transformer is extremely small. In measurements we have made, we could not distinguish it from the background noise of our measuring set-up. But DON'T BE FOOLED. The output of this circuit runs on very low excitation that this power supply more than adequately provides.

In closing, I would just like to recap. In 1951, Wilhelm Reich discovered and named the

most insidious pollutant in the environment. He called it oranur. It is invisible and undetectable by even radionic means. Its presence causes leukemia and cancer. He never found a way to get rid of it. In the 1970's, Dr. Bruce Copen discovered how to neutralize it. Today, oranur remains the least known of the major pollutants in the environment and everyone suffers from this ignorance. The technology exists to heal the life force of the disastrous effects caused by its encounters with nuclear energy. For anyone who is interested in healing the planet, the problem of oranur can no longer be ignored. In 1951, Wilhelm Reich declared that the atmosphere was in a state of extreme distress. The situation has become steadily worse. It is way past time for this work to begin in earnest.

SCIENCE FICTION REVIEWED

WHISTLING EXTRATERRESTRIALS? OR 'CORN' FROM THE CROP CIRCLES?

BY MICHAEL THEROUX

In the Jan/Feb 1992 issue of the Journal, I wrote a very short book review of *Crop Circle Secrets* (edited by Donald Cyr including several other contributing authors). Since that time, we received *Crop Circle Secrets - Part Two*, (both volumes available from Stonehenge Viewpoint, 2261 Las Positas, Santa Barbara, CA 93105) and as I really didn't have the space to expound on my thoughts concerning their ideas, I will go into detail here.

The way a crop circle is formed, say these researchers, is that lightning generated on one part of the globe transmits very low frequency radio waves through the earth/ionosphere waveguide and this energy impinges upon a field of corn (wheat) thousands of miles away, causing a crop circle. This type of VLF emission is called a 'whistler' because of the sound it makes, (a descending, swooshing tone) and, anyone can hear them with the proper receiving equipment in the neighborhood of 10KC to about 6KC. Whistlers are the cause of crop circles -- so say these people.

Before I dig in and dismantle this theory, I wish to present some of the other amusing ideas found in these texts. In one particular instance they casually hypothesize why no crop circles have occurred in Ireland and a few pages later they explain away megalithic sites as being nothing more than the proto-druids' construction of commemorative monuments to early crop circle sites. How does that explain the large

number of stone circles in Ireland or the megaliths' astronomical alignments? They say these "proto-druids simply moved the crop circle pattern a bit, to an optimum astronomical sighting position"!!!

Also included are things like "The Tesla Connection" -- an article about the assumed properties of ball lightning and nothing to do with anything Tesla was really working with (the word TESLA draws a lot of attention), and many other miscellaneous misconceptions about radio wave propagation.

Returning to the whistler phenomenon, I find many of the things said about whistlers in particular to be quite contradictory. The editors of *Crop Circle Secrets* seemed to have latched on to their misinformation via their relationship with 'VLF radio engineer extraordinaire', Michael Mideke, who seems to know a lot about the sounds he hears, but nothing substantial about what's really happening.

The first thing of mention is the introduction to whistlers in Vol 1 of *Crop Circle Secrets*. The editors cite historically that the German physicist, Heinrich Barkhausen, while listening to allied telephone conversations, heard in addition to verbal communications, the sounds of whistlers. They state that Barkhausen "had placed two prods in the ground, several hundred yards apart" (emphasis mine). They immediately go on to conclude that the sounds originated in the atmosphere. This doesn't quite

add up to me. The problem occurs due to the fact that everyone has become so immersed in the idea that radio propagation only works in the Hertzian fashion which we've all become accustomed to. This is what prompted me to begin experimenting with Barkhausen's setup. I even eliminated the long lengths of wires separating the rods and obtained the same quality results. Following Mideke's instructions for listening to VLF, I constructed several types of antennas to see if reception of the so-called atmospheric sounds could be more efficiently obtained. Not much to my surprise, I found the optimum setup was with the two rods fully inserted into the earth (see *Borderland Quakes!* in the May-June 1992 JBR). I recently came across an article by Mideke in *Science Probe!* July 1992 entitled *Listening to Nature's Radio* in which he states, "A good ground connection is essential for best results. A metal stake driven into the soil, as shown here, makes a good ground." This statement was accompanied by a photo of a ground rod nearly identical to ones that I have been using! The use of antennas has distinctly been ingrained into our psyches. Although they obviously work, they are not very efficient nor are they necessary at all (antennas, not psyches).

Now, if it is the case that these sounds actually originate in the earth, I shall need to explain further.

In Guenther Wachsmuth's *The Etheric Formative Forces in Cosmos, Earth, and Man*, he fully details the breathing process of the earth organism which coincides with all external phenomena, that is, what is occurring on the surface of the planet. All one needs for an understanding of this is to realize that the earth is a living, vital entity and not just a dead rock floating about in space. Wachsmuth mentions Goethe's observation that the rising and falling barometer is not due to "influences outside the

continued on page 24

SOME FINDINGS ON CROP CIRCLE FORMATIONS

COLETTE M. POWELL, N.P.

I was in a relaxed state one evening when the words magnitude, alternate, melodic, harmonic, intervals seemingly were narrated in my mind, along with images of the crop circles.

Having a musical background I interpreted this as vibrational patterns that could be notated in musical terms. Later I read (then an unpublished paper, now published in *Crop Circle Secrets* Vol 2 and *Cosmos Journal*, Vol 2, No 1) an article by Professor Gerald S. Hawkins, astronomer and author of "Stonehenge Decoded", stating his findings that after tabulating the diameters of the crop circles as measured by Delgado and Andrews, the ratios directly corresponded to the same ratios of the Major Diatonic Scale of Music. (This being a scale of 7 notes repeating in sequence on the 8th step or octave which double the value of the 1st step and so on.)

The key of the Major Diatonic Scale depends on the initiating frequency or tonic of the 1st step. Our modern western musical scale has been tempered with each interval of the steps of progression having an equal value, creating a chromatic scale of 12 steps. The progression of the 12 step chromatic scale is based off of the 12th root of 2; 1.059463, or rounded off to 1.06.

The equally tempered scale was developed in the late renaissance for practical purposes of standardizing instruments and notated music. It was impossible to modulate to another key remaining in a true major diatonic scale. Music became monotonous, and creativity was stifled. Equally tempering the scale became the easy answer to both maladies. With this form of tempering, many of us in the western world have been unaware of the existence of the true Major Diatonic Scale.

If the Crop Circles are possibly suggesting we take another look at the ratios of the Major Diatonic Scale, then what would the value of the initiating tonic be and what are we to find?

Knowing that 360 is significant in both tetrahedral mathematics and the revolving system in which we live, I chose 360 as the tonic for initiating the ratios of the Major Diatonic Scale. I set 360 at middle C, in representation of C Major Diatonic Scale. I calculated 10 octaves above and 10 octaves below giving me a total of 21 octaves of numbers to review. I was amazed at my findings.

I had broken into a number system clearly corresponding to 5 and 6 fold symmetry, angular measurements of tetrahedral math-

ematics, the diameter of our moon, the given value of the precession of equinoxes, angular measurements of the great pyramid and values for the Ancient Egyptian system of measures and weights. (See figure 1)

My first Crop Circle surveys to review were measured and drawn by J.F. Langrish. These surveys were measured using both the metric system and the English Measure. On surveys measured in the English system (12 inch foot), I recognized specific numbers of measure that directly corresponded to the numbers from the 360 Major Diatonic Cover Sheet. I began looking at numbers as entities, symbolic of a system of multi-level coding. Eg. #1, 3' 6" not as 3.5, but as 3.6 eg. #2, 21 6" not as 21.5, rather 21.6.

I went further to even break up the numbers such as 36' 6" as individual separate entities, e.g. 36 and 6, so I could then multiply divide, add and subtract them. I began breaking into a seemingly mathematically coded process.

Exact numerical values corresponding to Earth, Moon, 5 and 6 fold symmetry and aspects of logarithmic processes began repeating themselves. I found that many diverse techniques of analyzing these numbers still yielded the same significant numbers. At this point they could not be random. There was a definite purpose for these numbers to keep showing. My response was to accept the numbers and to now evaluate what their possible meaning and values are. What are they trying to convey?

The Barbary Castle Crop Formation is

FIGURE 1. 360 COVER SHEET

Alphabetic Code (Note)	C	D	E	F	G	A	B	C	
Fractional Ratio to "C"	1/1	9/8	5/4	4/3	3/2	5/3	15/8	2/1	
Ratio to "C"	1.0000	1.1250	1.2500	1.3333	1.5000	1.6667	1.8750	2.0000	
OCTAVE	-10	0.351562	0.3955078125	0.4394531	0.46875	0.527343	0.5859375	0.6591796875	0.703125
OCTAVE	-9	0.703125	0.791015625	0.8789062	0.9375	1.054688	1.171875	1.318359375	1.40625
OCTAVE	-8	1.40625	1.58203125	1.7578125	1.875	2.109375	2.34375	2.63671875	2.8125
OCTAVE	-7	2.8125	3.1640625	3.515625	3.75	4.21875	4.6875	5.2734375	5.625
OCTAVE	-6	5.625	6.328125	7.03125	7.5	8.4375	9.375	10.546875	11.25
OCTAVE	-5	11.25	12.65625	14.0625	15	16.875	18.75	21.09375	22.5
OCTAVE	-4	22.5	25.3125	28.125	30	33.75	37.5	42.1875	45
OCTAVE	-3	45	50.625	56.25	60	67.5	75	84.375	90
OCTAVE	-2	90	101.25	112.5	120	135	150	168.75	180
OCTAVE	-1	180	202.5	225	240	270	300	337.5	360
FREQ N	0	360	405	450	480	540	600	675	720
OCTAVE	1	720	810	900	960	1,080	1,200	1,350	1,440
OCTAVE	2	1,440	1,620	1,800	1,920	2,160	2,400	2,700	2,880
OCTAVE	3	2,880	3,240	3,600	3,840	4,320	4,800	5,400	5,760
OCTAVE	4	5,760	6,480	7,200	7,680	8,640	9,600	10,800	11,520
OCTAVE	5	11,520	12,960	14,400	15,360	17,280	19,200	21,600	23,040
OCTAVE	6	23,040	25,920	28,800	30,720	34,560	38,400	43,200	46,080
OCTAVE	7	46,080	51,840	57,600	61,440	69,120	76,800	86,400	92,160
OCTAVE	8	92,160	103,680	115,200	122,880	139,240	153,600	172,800	184,320
OCTAVE	9	184,320	207,360	230,400	245,760	276,480	307,200	345,600	368,640
OCTAVE	10	368,640	414,720	460,800	491,520	552,960	614,400	691,200	737,280

with the flex points. I drew a straight line from the lower vertex of the tetrahedron point A, to flex point C, from flex point C to flex point E. I inverted the tetrahedron and matched up the flex points, exhibiting a 2-D projection of two interlocking tetrahedra. This was significant, if the flex point were any higher or lower on the legs they would not have lined to create in effect, an interlocking tetrahedron. (See figure 4)

Erol Torun's analysis of the stepped spiral showed it to follow the same equiangular logarithmic spiral pertaining to the 12 step chromatic scale progression of the 12th root of 2 ; 1.06.

My visual approach to the stepped spiral was to view it as being symbolic of the Major Diatonic Scale, as well as the 12 step chromatic progression. Notice that beginning with the right side vertex of the tetrahedron point A which connects to the spiral, there are 7 steps including the inner 7' diameter circle. If you include point A as a step you have a complete octave or 8 steps with 7 intervals. Erol plotted the Major Diatonic Scale against the spiral and indeed found it to closely maintain the same equiangular spiral.

Please note that the distance in feet from the center of the inner circle of the tetrahedron point X, to the right side vertex point A, is 106 feet. (1.06 ; 12th root of 2.) This possibly suggesting that mathematically the analysis is proceeding on the correct path. I find this to

be true in many instances where a specific number repeating itself regardless of the equation process, repeats itself once again in a line, angle, or bearing value in close proximity. This connection so far has only been true

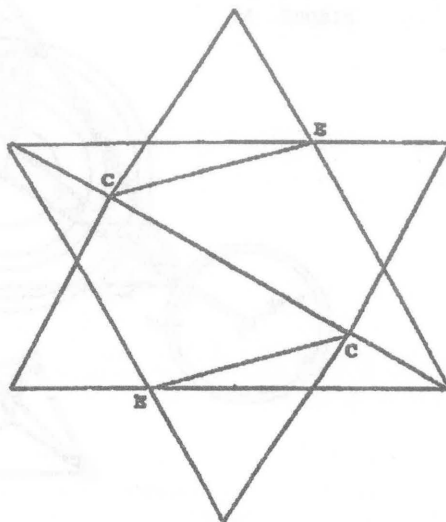


FIGURE 4.

with the English measure not the metric. However, at this point I have done limited study on the metric surveys, so it may be premature to make a hard statement suggesting that the English not the metric, is the absolute preferred system for the decoding of

the mathematical equations. There is however substantial evidence revealing that the English measure, not the metric, is the correct approach to the underlying complexities for some of the particular mathematical coding found thus far.

Professor Gerald S. Hawkin's finding of the ratios of the Major Diatonic Scale in the earlier Crop Circle Formations were arrived at through 2-D geometry and application of division of members within the various formations.

Through my process of analysis I find that the later more complex formations are repeating the same ratios. Of further interest I have found structuring the ratios with Middle C base tonic of 360 as opposed to the modern conventional Middle C tonic of 261.6, there is a direct mathematical correlation of line, bearing and angle measurements within the formations exhibiting the same numeric values of cycles per second in the progression of steps (notes) of the Major Diatonic Scale. Once again however, I have found this to be true using the English system of measure, not the metric.

This has been only an introduction of my personal process in treatment and view of the Crop Circle Formations. In future articles, I will share my findings on other Crop formations and various studies.



SCIENCE FICTION REVIEWED... (continued from page 21)

earth or accidental, but to forces acting rhythmically inside the earth organism." To continue, that which induces the rise and fall of the mercury in the barometer "does not come chiefly, as science has till now assumed, from a pressure which the atmosphere, through changes in its temperature, its volume, or otherwise, exerts of itself upon what is beneath, but it comes from the rhythmic tension and release of the suctional centripetal forces of chemical ether proceeding from the solid earth." Of special importance is the fact that the chemical ether, normally centralized in the solid earth, is actually exhaling into the atmosphere in the morning and inhaling again in the evening. In detailing what occurs on the surface, we begin to see a connection to other misunderstood phenomena such as radio propagation and terrestrial electrical activity:

Exhalation process complete at midday:

Maximum humidity in atmosphere.

Maximum degree of induction in atmosphere.

Minimum degree of emanation of the earth (having radiated out)

Inhalation process completed during night:

Minimum humidity in atmosphere.

Minimum degree of induction in atmosphere.

Maximum degree of emanation of the earth (there gathered together).

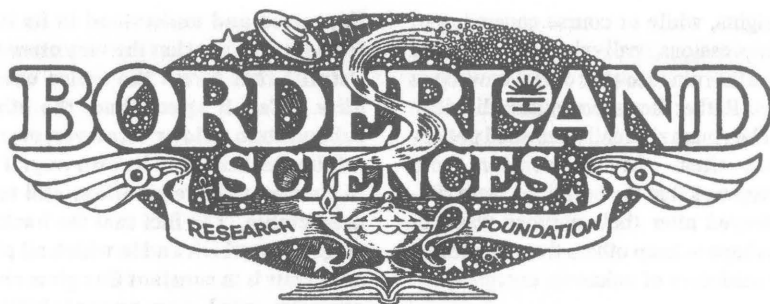
It is the earth organism which influences, controls, and generates surface events such as the weather, radio propagation, electrical energy, etc. through its own vital processes.

It is my belief, as I have stated previously, that crop circles are a result of some obviously intelligent telluric activity and not atmospheric (surface) or cosmic (planetary or extraterrestrial) endeavors. Here, we would not rule out such contingencies that the crop circles are created by certain indigenous telluric/etheric organisms (the critters of Trevor Constable) but then we are left to determine whether or not their messages are of a serious nature or pure mischief (if indeed the Mandelbrot Set is genuine!)

It has also been documented that megalithic sites are not just astronomical observatories or

ritual tools of invo/evocation, but are empowered with telluric forces which are little understood. Nathan Stubblefield demonstrated via various experiments that the earth was alive with heat, light, and electrical energies. Likewise certain dolmens and menhirs of the megalithic sites in Britain have demonstrated powerfully energetic capabilities (even producing severe shocks to unwary stone huggers). Pete Tompkins in his book *The Magic of Obelisk* remarks that the druids probably had no magical power other than knowing how to harness the energies of these sites, but Paul Devereux, in his latest excursions into non-reality, jumping aboard the groovy neo-shamanic bandwagon, would have you believing that there is no power in anything -- that the lines of ley were merely nothing more than old roads used for the carriage of corpses!

I guess my final question about all of this is how do we expect to find any answers to these anomalies if we continue to ignore the VITAL and always adhere to the mechanistic? The question of the crop circles is one of VITAL importance and absolutely cannot be explained away by inertialistic scientism or the hard of thinking



BULLETIN BOARD

MONEY WELL SPENT

I've been thinking about all the local newspapers sprinkled across the country that in my opinion would be greatly enhanced by publishing JBR articles. Possibly thousands of people in one city could be made aware of Borderland if subscribers could help get JBR articles reprinted.

While some of the articles in JBR are so over my head I don't seem to get much from them, my subscription is the best money I've ever spent, and I would like to make the thousands of people out there who would love Borderland aware that it exists!

Dwight Callaway
Spokane, Washington

Great idea! We'd be happy to allow articles to be reprinted in local newspapers around the country -- and world for that matter. Any member who wants to contact a newsletter or newspaper and request a reprint should let us know and we will supply a letter giving permission -- we can in most cases, or we'll connect them with the author. Yes, some of the articles are over my head too (TJB), but this is a forum within certain boundaries for members and it is important to give researchers an outlet for worthy materials on subjects like ether physics that can't be published elsewhere. There will be only a scattering of technical articles -- the main intent of this Journal is to remain accessible to the intelligent layperson.

EARTHSTUFF

Dear Michael Theroux,

I read with much interest about your activity of listening to the earth. Could you describe the equipment more fully that is needed to do this? Is it all standard or did you need to build it yourself? What would a set-up cost?

Thanks for your help,

Regards,
Del Unruh
Alberta, Canada

P.S. Is it possible to use conventional amateur radio equipment to communicate thru the earth Tesla-style? Will this completely by-pass the "air-waves" thus eliminating the need for licensing? Anyone working in this area?

The setup I use for listening to the earth is quite simple. I feel the most important part is the receiver itself. Mine is an old Panasonic portable radio/tape player but most anything will do as long as it has a tape player, stereo microphone inputs, and can be operated with batteries. I then connect two rods -- one of copper and one made of zinc but, I have recently discovered that two rusty iron rods work quite well. These are usually two feet long and pounded into the ground completely. Each of these is connected to the receiver with a single piece of #24 or #28 gauge stranded wire 3 feet long. Longer wires can be used but it is unnecessary and the only reason for using 3 ft. wires is to separate the rods far enough to avoid feedback. These are connected to small phono plugs which are then inserted into the microphone jacks of the receiver. All you need to do now is push record and away you go! Remember, that it is essential that you be far away from any AC power or all you'll receive is an annoying 60 cycle hum. Headphones can be used but I prefer listening to the loudspeakers as I'm recording.

As far as communicating thru the earth, it works quite well (better than antennas) provided you use a system similar to Tesla's. Our video entitled *Tesla's Longitudinal Electricity* details the apparatus necessary for this. No, it won't completely bypass the air-waves, and you will still need a license but even then you might run into trouble with certain authorities (the radio police) as I've heard they are not fond of people using the natural medium (earth) for propagation.

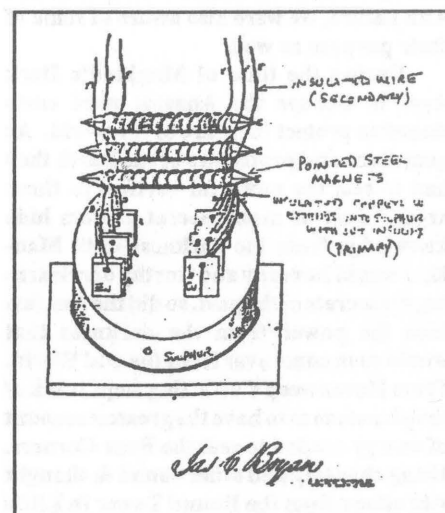
ELECTRIC SPACECRAFT JOURNAL
Thanks for the most recent issue of The Journal (May-June 92). I think it's a real

winner, and I like the emphasis on detail that allows others to try to reproduce the hardware. Everybody did a fantastic job!

As far as the letter from Ed O'Brian (Larry Spring Motor) -- while his point is well taken, I think ideas get lost if they are not repeated. Some of the most revealing technology is in books and articles from the 1860-1920 period. If it were just more readily available a lot of research would be seen to have already been done.

The field generator article was excellent (as were the others). I have enclosed and old patent (#160,152, "Earth Battery", by James Bryan, 1875) which has some similarities. I would like to see someone try it.

Regarding the earthquakes article-- what is considered to be the cause of the "whistlers"? I hear they are associated with lightning and meteors.



Also regarding earthquakes, some of my research into planet spacing (not angular spacing, but distances) indicates a strong correlation with earthquake events, with solar activity also being a factor.

I also want to thank you for mentioning the *Electric Spacecraft Journal* in your journal. It has helped us, and as you know, the fringe research activities aren't done to make a profit, nor is there much demand! Charles A. Yost
Executive Editor
Electric Spacecraft Journal
P.O. Box 18387
Asheville NC 28812

Thanks for the earth battery patent. If we had more room we'd have included the whole thing -- hopefully in the next issue. As for the accepted cause and other ideas concerning whistlers -- see *Science Fiction Reviewed* in

this issue. Also, check out *Climate and the Affairs of Men* by Nels Winkless III and Iben Browning (from Fraser Publishing, Box 494, Burlington, VT 05402) for earthquake/planetary connections. These two have put together some amazing data which includes connecting the cycles of the moon's distance (from the earth) to earthquakes but it might be interesting to note that at 5:14UTC on 28 June (or 21:14 PST, 27 June), a major solar flare occurred -- preceeding the the large earthquakes which hit southern California the following morning.

ANCIENT SHADOWS

Great research that you all did on *Shadow of the Ancients* (Mar-Apr 92 JBR). A good friend and I were spiritually guided to take time to stop in at Hovenweep last fall on a trip across from Colorado to California and were dually impressed as well. Besides feeling the balance of how the Anasazi lived with nature, we were also aware of some of their purpose as well.

During the time of Mankind's Dark Ages in Europe the Anasazi were envisioned to protect their are of the world. As guardians and protectors of the Earth they had to seal the powerful vortices in those areas. Just as many Secret Orders hide knowledge from the darkness until Mankind would be ready and worthy of relearning the secrets of the past, so did the Anasazi hide the power from the darkness that would soon come over from the Old World. From Hovenweep Castle they kept track of the planets so as to have the greatest amount of energy needed to seal the Four Corners. Using chanting and other sound & thought vibrations from the Round Tower in Little Ruin Canyon, they directed energy to the Square Tower with other energies coming in from the Castle, Hovenweep House and other areas in the Canyon. In this way did they succeed in closing the portal that is now known as The Four Corners.

There is a Hopi prophecy saying that someday the Lords of Light will come back and open up the Four Corners Portal. Whether Mankind/Humankind is ready for this, time will tell. We can only put our energy forth in a balanced way with the same love and understanding that the Anasazi showed in their service to the Earth. Much needs to be done to prove that the Human is indeed ready for it's rebirth and reconnection to the old ways of being in peace and harmony with the Earth (The Mother) and the position this World holds in the Universe.

Much Love to All
Trinitron
Edmonton, Canada

Your insights, while of course consisting of subject impressions, really ring true. It is hard to imagine the ruined towers of Hovenweep as dwellings. Rather they seem quite radionic in nature. The Anasazi ritually smashed pottery at certain sites. My impression from Hovenweep was that the buildings were ritually destroyed after their purpose was fulfilled, perhaps to keep others from stumbling across transducers of unknown energies.

** I enjoyed very much your "Shadows of the Ancients" article. During the summer of 1973 I paid a brief visit to Mesa Verde and was enchanted by the landscape and the remaining traces of the ancient community. When I was just nine years old, in 1962, I visited Mexico and was taken on a tour of the pyramids of teotihuacan (Sun and Moon). The experience was unforgettable.

Well, sign me up as a member or your research organization and please continue to explore these areas.

Sincerely,
Donald J. Kelley
Oak Lawn, Illinois

P.S. Here's a poem I wrote:

Anasazi

Late winter rain
seeping down the cliffs
fills a deep pool in the cave

In stark summer
we carve into drought,
delve into hopes of the earth.

Heroic pounding, sifting
and silence
move time along
until stone clutches stone.

Having just returned from Chaco Canyon, which has extensive prehistoric stonework, I am filled with awe at the great advancements of the civilization known to us as Anasazi. This was a high culture with an elevated world view. We will certainly continue to report on such matters and will travel the globe to get this information to Borderland members.

LIVING UNIVERSE

What is the one thing that separates hard core physics and the pseudo-science of the paranormal? Simple, one follows the rules and the other does not follow the rules -- even by definition. Why is this so? If correct, here is an obvious answer, one that some enlightened people have strongly hinted at, but have not stated head on.

Expressed and understood in its broadest terms we can say that the very essence of the "stuff" that forms the entire universe is *alive*. Call it space-time, the ether, the subquantum field or whatever, every cubic millimeter is alive in its own way. To live is to change, to have emotions and to be unpredictable. The fact that the background stage upon which and in which all phenomena occur is in constant flux gives rise to the experimental non-repeatability that "plagues" parascientific endeavors. It seems that the "fickle finger of fate" has a hand and arm to go with it. I'm *not* saying that the universe and the workings of our day-to-day experience sometimes *seem* to be so quirky and temperamental as to be alive, but that the fabric of the space in which we live really *is* alive and has a life of its own.

A.W. Rice
Rocky Mt., Virginia

Right on! See *Blackwaves* in this issue for more on the "stuff" of the ether.

MORE ARTICLES

Let's have more articles on radionics, subtle energy and intrinsic data fields.

J. Meeker
Prairie Village, Kansas

We are open to all sorts of articles on these topics. Send 'em in!

MWO REPORTS

Please allow me to input these comments about the on-going search for the ultimate MWO, and most especially for a working model of Lakhovsky's alleged cure-all MWO. I submit a slightly different configuration of a MWO and wish to add some findings and opinions of my own. Let me say to any or all, these are only opinion backed with some results of a beneficial nature, yet still personal and so accept whatever you will and discard anything that does not have an affinity with your own feelings and thoughts.

I have read many times in the *Journal* and in the *MWO Handbook* of those who used any of the many modalities who did then experience a feeling of nausea and other internal discomforts. It seems that no one has understood the reason for this and assumes it has something to do with frequencies/power. Not so. This is only result of the ozone produced by either the spark gap, antenna, or the atomic and subatomic particle wave ions penetrating the organism and therein transmuting to ozone. Anyone who has ingested hydrogen perox

ide during oxygen therapy would immediately recognize the taste, smell and effects of oxygen such as H_2O_2 , and thus O_3 (ozone) is more intense not only in its slight discomfort, but in the benefits derived therefrom.

When any MWO of whatever configuration is activated the HVHF is producing billions of ions which are electrically activated atoms and these are passed from the antenna to the body and within to a depth determined by frequency/power and so in this respect frequency/voltage is important but only to produce/drive the ions which are of oxygen, hydrogen, nitrogen, copper from the coils/antenna and... anything that one would affix to the antenna.

These ions, at a speed exceeding 60,000 miles per second penetrate the integument into the tissue to a greater or lesser degree depending upon the above stated factors of oscillation/voltage where they become O_3 . Too, with a pulsating break of 11 to 13 Hz before the primary of the power transformer there will be an added stimulation of nerve endings/synapses producing a metabolic increase.

Then, with the diagram submitted here of an instrument producing much ionization and an intense electro-static field in conjunction with multiple waves reaching many millions of Hz, along with a means of manual control of frequency and static field the ultra-high voltage is taken into the body. Thus we combine most of the ideas

advanced by others than Lakhovsky.

I submit that it is the ozone that is the primary healing agent. Not only that produced within the cellular tissue but especially that breathed in from the generator. Long before Lakhovsky doctors were using ozone cabinets and portable chambers for this therapy with excellent results dealing with tuberculosis and what we now call emphysema. The serum levels of oxygen will be greatly enhanced by this method and may be verified by means of a blood test.

No alien viral invader will long survive in the presence of intense oxygen. This statement includes plant, animal or human. So I repeat: I do not consider any frequency of any value in the treatment of any disease. However... The frequencies and the sufficient power to drive them will do this: The oscillations, if resonant with the many groups within the body will cause the cell membrane to open and so allow the ozone producing ions to penetrate to the mitochondria, and thus either stimulate the cell as a friendly agent as with any vitamin or mineral, or will act as a warrior and slay any alien microbial/viral invader. Acting as a natural booster protector of the immune system.

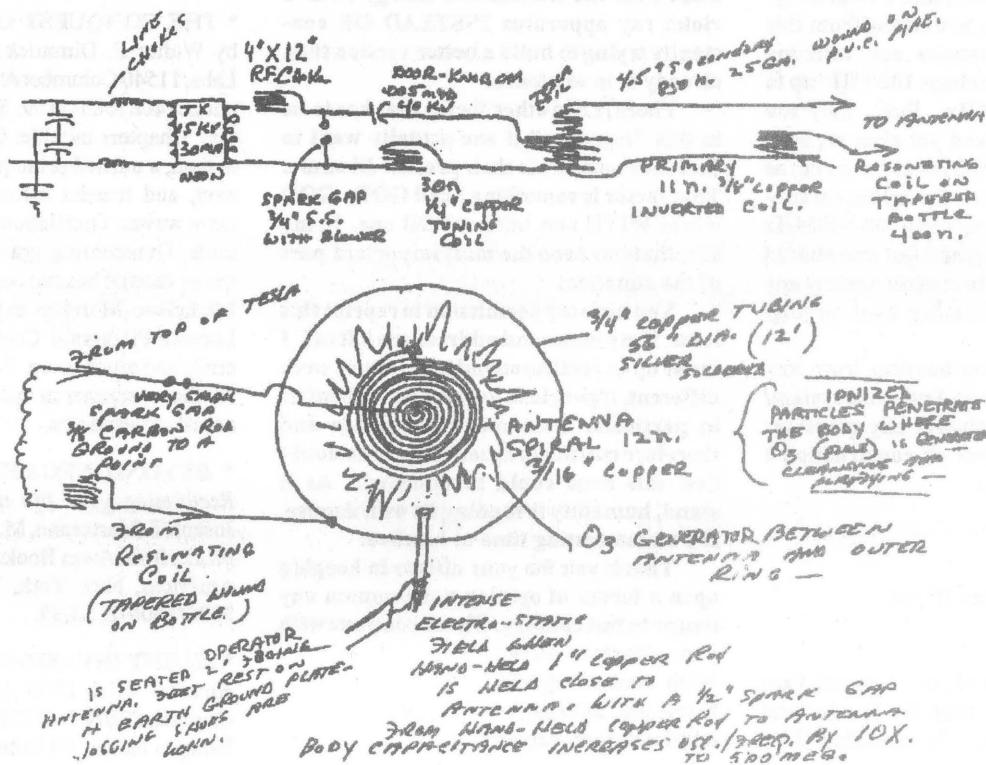
So with the correct group of frequencies we effect the cell only by causing harmonious and friendly resonance that allows the ion in. To think that the cells are

directly affected would require many hundreds of gigahertz and would even then prove more harmful than healing.

The diagram of the instrument submitted is driven by a 15Kv/30ma/450va neon transformer and is enough power. However I have used a 750va and 900va with a corresponding increase in the other components but that is not necessary.

Perhaps the most important item is the 1" copper pipe flattened on one end. This, when held to the antenna or the outer static ring causes a 10x increase in frequency by using the capacitance of the body. By slowly approaching the antenna with the flattened end the electro-static field is also increased so that the entire body is stimulated and especially so if the person is seated within two feet and leaning toward the antenna. With a 900va unit and using a six foot diameter static ring of 1.5" copper the field is so intense as to cause some of the phenomena associated with a Whimshurst generator.

Excuse this long-winded comment, and yet it is not long enough to relate the various effects observed both personally and upon cats, dogs and birds with serious disease. For myself, and I submit this is purely anecdotal, at age 69 I jog/run from six to ten miles each morning for four days per week. I lift a lot of iron three days per week in addition to much work in my garden and upon the grounds here. I had my last cold



in 1969 and have never experienced any of the many influenzas. My cholesterol counts at 152. My blood pressure is 120/70. I do have diabetes, (adult onset) but this is a result of genetic disorder and is of no problem.

As we all know: if the catalyst of disease is determined by pre-incarnative choice little can be done unless the person is willing to let go of the underlying cause which is deep within mind. If a person has so distorted the endocrine system by whatever means and especially anger and the desire for control over others, then these glands will be damaged and here the instrument is of help. Still... only the etheric body and the deep levels of mind can produce health. The etheric is perfect and is the form maker and is the holder of the energy centers called chakras which have their physical counterparts in the endocrine glands. Let go of those old demons of the ego, anger and fear. Then you will remove the materializing influence of negativity from your awareness. You will, then, emerge from illusion and set up a powerful resonance: a morphogenetic field that radiates outwardly and inwardly that not only heals self, but other selves with whom you may come in contact.

I submit finally, that the solar light is radiating at a frequency of perhaps 600 trillion cycles per second (600 GHz). It is not that these etiolated frequencies cannot be obtained, but what would happen if directed at delicate tissue? A rapid burning as with a microwave oven and a total dehydration. The cells, too, are taking from this great ocean of frequencies and utilizing frequencies of from perhaps 100 MHz up to and exceeding 900 MHz. But... they are doing this naturally and yet even so, sunlight does burn, does dehydrate, does act as a carcinogenic. The instrument herein submitted, while producing up to 400-500 MHz does not cause heating and yet one should wear welding goggles to protect against any danger of cataract forming from arcing/sparking.

I would appreciate hearing from any researcher who builds and uses this system/instrument. If I can answer any questions pertaining to operation or construction I will be happy to do so.

Sincerely,
Thomas Hilton
P.O. Box 68
Cimarron, New Mexico 87714

** As a regular reader of your Journal, I am disappointed to hear that the Borderland Sciences Congress had to be cancelled. This

connotes nothing good for this society, as I'm certain you realize. All over the country the only "science" that is allowed to be published is that which is controlled totally by our "controllers".

I am getting so weary of reading articles about MWOs, that I feel that I should either attempt to clarify on this issue a bit, or just quit reading the material. I don't really wish to do either, but as you requested feedback, perhaps this should be done.

I own a MWO which was built by Klark Kent of Super Science. It allegedly was built with a Tesla Coil incorporated into it. I have had no other machine to compare it with, therefore I can only base my findings on that particular model and design. I find that for my needs it works totally and beautifully. In design, it is a work of art.

I suggest that ANY of the myriads of designed MWOs also perform adequately. Why? Because their sole purpose is to convert an unusable form of electricity into a usable form of electricity. Why? That's the sixty-four dollar question. What use does one want for it? Why does one wish to transmute electricity? As far as I know (which leaves a wide gap of ignorance) there is but ONE use for this particular instrument. I will leave off this subject with one more hint. In my opinion, laboring with a radiator antenna is just that, a labor in ignorance. One might wish to experiment with the transmuted energy AND a violet ray apparatus **INSTEAD OF** constantly trying to build a better version than already is in existence.

There is one other factor that has to be in this "equation" if one actually want to find their answers to their present dilemma. That factor is something I call **GOD**. **GOD** works **WITH** one, but not **FOR** one. In my life, that has been the most important part of the equation.

You have my permission to reprint this letter if my name and address are left off. I insist upon total anonymity. If times were different, if people in general and scientists in particular were more in balance and therefore more courageous, I have no doubt that this issue could be resolved. As it stand, humanity is funding its own demise. It's an interesting time to be alive.

Thank you for your efforts in keeping open a forum of opinion not common any longer in this country. Please continue with your efforts to do so.

With kindest regards,
Name and address
withheld upon request.

Thanks for both of your insights. Oxygen? God? You're both right and on the right track. We're a bit tired of it all ourselves, for the main reason that we are not trying to build a "better" MWO, but are trying to discover the original, which would dramatically regenerate diseased tissue unlike any of the modern variations. We are not picking at straws, but pointing out a major discrepancy in the information that BSRF has been publishing since 1963. We have come into contact with Serg Lakhovsky and have requested a schematic of the original unit. With the publication of that if received, we will labor no more other than to report on actual experiments. We will have a review of Klark's latest MWO next issue.

RECEIVED

A listing of books received, but not necessarily reviewed. Members who wish to do further reviews of these books are welcome to do so. We could use the help.

* **SUPER MAGNETIC FIELD -- PRAN. SCIENCE** by Lee, San Myung, 147-17 4 Ave, Flushing, Queens, New York 1135. Chapters: Explanation of All the Phenomena by Super Magnetic Fields; Aura Study; Aura Generation and Property; Super Space Transmutation; Development of Super Capability and using method of Magnetic Wave for Health; Dowsing Method; Prospect for Future Society. Cost unknown.

* **THE CONQUEST OF GRAVITATION** by Walter F. Dimmick, Dimmick Research Labs, 11540 Columbet Ave, Gilroy, CA 9502 phone (408) 683-2159. \$20 + \$1.75 p&h + C tax. Chapters include: Gravitation and magnetism, a unified principle; Attraction, repulsion, and inertial effects from electromagnetic waves; Oscillation of spheres and pyramids; Overcoming gravitation with bioelectric or inertial beams; Sacred cows of science: Michelson-Moreley experiment versus the Lorentz-Fitzgerald Contraction; Antigravity craft; and much more. Looks very interesting for the researcher in this area as it is based on actual experiments.

* **BEYOND NEGATIVE THINKING** *Reclaiming your life through optimism* by Joseph T. Martorano, M.D. & John P. Kildal Ph.D., from Avon Books, 1350 Avenue of the Americas, New York, NY 10019, ISBN 380-71606-2, \$4.99.

* **SILENT INVASION -- The Shocking Discoveries of a UFO Researcher** by Elly Crystall, ISBN 1-55778-446-9, \$19.95 from Paragon House, 90 Fifth Ave, New York, N

10011. Not yet reviewed, but there are some interesting photos of what the author calls "Tesla fields" that appeared on film near UFO sightings -- had the author read *Cosmic Pulse of Life* she would be aware that this phenomenon has been noted since Trevor Constable's pioneering photography of the invisible in the 1950s. Other than that I'm suspicious of any book with a picture of a "grey" alien on the cover, as that seems to be the 'official' story being promoted to the UFO field.

* **HEALTHY AT LAST** -- *Solutions to Chronic Ill Health, Allergies and Environmental Illness* by Cynthia Clinkscales, ISBN 0-9624764-1-2, \$11.95 from CECOM Publishing, P.O. Box 3059, Homer, Alaska 99603

* **THE PHENOMENOLOGY OF REVOLUTION** by Paul Laffoley, \$35 from the author, c/o The Boston Visionary Cell; 36 Bromfield St #200, Boston MA 02108. Contains some stimulating artwork and far out ideas, published as an accompaniment to the exhibition Paul Laffoley: Structured Singularities, held at Kent Fine Art in 1989.

* **IN SEARCH OF BENCHMARKS** by Craig D. Hanks, P.O. Box 2123, Bellingham, WA 98227. Contents: Money and Society; Debt and Taxes; Rights; Constitution vs Declaration; Opinion; Treaties; National Defense; The Unreal Society; Side-lites.

* **ALTERNATIVE ENERGY SOURCEBOOK**, 7th edition, ISBN 0-916571-02-5, \$16 from Real Goods Trading Company, 966 Mazzoni St., Ukiah, CA 95482-3471; phone (707) 468-9292. An exceptional catalog/resource guide for alternative ideas on shelter, power, tools, mobility, fun and knowledge. Includes a glossary of terms and index. Very well illustrated. Worth having just to find out what is available in this field.

CONTACTS

* **NEW ADDRESS:** Would You Believe? HC80 - Box 156, Marshall, Arkansas 72650. Great mag of the far out!

* **ARTS PROGRAM AND GOETHEAN STUDIES PROGRAM** at the Rudolf Steiner College. The Arts Program is a year-long morning course in the arts under the direction of Theodore Mahle. Emphasis will be placed on experiencing the artistic process as a path of self development and healing.

The Goethean Studies Program, directed by Dennis Klocek, is designed for those wishing to explore the wonders of the natural

world. Other faculty members include Gayle Davis -- Choir, Brian Gray -- Astronomy and Architecture, Helen Lubin -- Speech, Coralee Schmandt -- Eurythmy, and Jurgen Schriefer -- Visiting Lecturer, Music. For more info contact the Rudolf Steiner College, 9200 Fair Oaks Blvd., Fair Oaks, CA 95628 or phone (916) 961-8727.

* **THE SAN FRANCISCO TESLA SOCIETY** meets on the second Sunday of each month. This group is full of avid researchers and each meeting usually includes a special guest speaker. For more info write The San Francisco Tesla Society, 4286 Redwood Hwy., Suite 362, San Rafael, CA 94930 or Fax: (415) 491-0930.

* **PSI-TECH//BRUCE COPEN LABS**, P.O. Box 291, Wadsworth IL 60083; phone 708-623-5730. Great catalog of Radiesthesia, Radionics, Electronic Homeopathic equipment and services and supplies. Established in 1947 in England this group is making a lot of interesting equipment available to the researcher.

* **MENTORNET (SIMPATHETIC VIBRATORY PHYSICS AND KEELY MATERIALS)** Access via computers! Yes, people CAN access MentorNet (SVP/Keely) from an IBM or Apple IIe or terminal and modem, or by any computer that can emulate a terminal. You simply use any telecommunications software configured with: 8 bits/ 1 stop bit/ No Parity (8-1-N), and dial (303) 843-9053.

* **CANCER CONTROL SOCIETY** presents the 20th Annual Cancer Convention, Sept 5, 6 & 7, 1992, Pasadena Hilton, 150 S. Los Robles, Pasadena, California, \$25/day -- lectures, movies, exhibits. Meet recovered cancer patients with encouraging reports, learn about the prevention & control of cancer through nutrition, tests, & non-toxic cancer therapies such as Laetril, Gerson, Hoxsey, Koch, Enzymes & Immunotherapy from medical doctors, researchers, nutritionists, authors..... For more information contact the Cancer Control Society, 2043 N. Berendo, Los Angeles, CA 90027 (213) 663-7801

BORDERLAND NEWS

* **FRESH NEW ANCIENT OBELISK!** SAKKARA, Egypt (AP) -- Archaeologists have discovered the world's oldest known complete obelisk, dedicated to a long-forgotten queen who in her time was so beloved and famous that she became a goddess after death. A twin obelisk, broken in three pieces, was

also unearthed. The obelisks were dedicated to Inty, a wife of Pharaoh Pepy I, Egypt's ruler almost 4,300 years ago. Her name was lost in antiquity. But inscriptions near the obelisks speak of Inty's ascension into godhood after she died, and excavators found eight offering tables in her honor.

The green limestone obelisks stand 7 feet, 3 inches. They adorned the entry to a funeral temple leading to Inty's pyramid. The French-Egyptian team discovered the pyramid's ruins earlier but lacked Inty's name until they found the temple's remains and the obelisks.

The site is part of large pyramid field for at least three of Pepy's queens. They were buried alongside their pharaoh in south Sakkara, a royal cemetery on desert ridges 20 miles south of Cairo.

The obelisks are small compared to those erected by later pharaohs, but Egyptologists said their discovery provides rare clues into one of ancient Egypt's best-known but least-understood symbols.

Large or small, obelisks have a mystical aura. A true obelisk is a four-sided single piece of stone, tapering gradually as it rises and ending in a small pyramid called a pyramidion.

The ancient Egyptians who created them considered obelisks to be sacred to the sun god. Some Egyptologists trace the origins of the obelisk to the benben, a sacred stone embodying the moment of creation.

But few obelisks survive. Dozens were taken from Egypt. They decorate the banks of the Thames in London, Italian and French avenues, even New York's Central Park. Pollution has erased many of their messages.

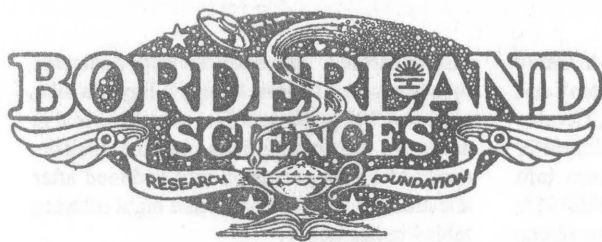
Nobody knows who made the first obelisk, where or why. "We know there were earlier obelisks than Inty's," Zahi Hawass, antiquities director for the pyramids area and Sakkara, said Thursday. "But we don't have them."

Until now, the oldest standing obelisk has been from the reign of Pharaoh Sesostri III, who came to Egypt's throne 284 years after Pepy.

SOME CRAZY CATS

MOSCOW (AP) -- Wild cats at a dump site in a Ural Mountains town attacked a passer-by who intruded into their territory, the Russian Information Agency reported yesterday. The agency said that the man's heavy clothing protected him. "The man was saved by swamp boots and a tarpaulin storm coat," it said.

No further details were given about the cat attack, which occurred in Krasnokamsk, a city near the regional center of Perm in the Ural Mountains.



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Reveals for the first time in vivid detail the essentials of the Microcosmic Orbit Meditation: a way to awaken your own healing energy. Learn how to strengthen your internal organs and increase circulation through the flow of Chi energy. Included are precise instruction for practice and detailed illustrations of energy centers, organs and anatomical structures, as well as descriptions of the higher levels of the Taoist meditations system. 193 pages \$10.95

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Tao Rejuvenation uses one's internal energy, or Chi, to strengthen and rejuvenate the sense organs (eyes, ears, nose, tongue) the teeth, the skin, and the inner organs. The techniques are five thousand years old and, until now, were closely guarded secrets passed on from a Master to a small group of students with each Master only knowing a small part. For the first time, the entire system has been pieced together in a logical sequence and is presented in such a way that only five or ten minutes of practice daily will improve complexion, vision hearing, sinuses, gums, teeth, tongue, the internal organs, and general stamina. This form of massage is very different from muscular massage.) 176 pages \$10.95

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This book presents a whole new approach to healing and teaches how to heal oneself and how to facilitate the healing of others through their own efforts. Chi Nei Tsang is full of time proven methods gathered from thousands of years of experience. It is also one of the most comprehensive approaches to working in the abdominal center where the universal, Cosmic, Earthly, and Pre-Natal Forces are stored. Unlike some other systems which work at the body's extremities, Chi Nei Tsang directly massages the internal organs, releasing negative emotions, stress, tension, and sickness that congest in the abdomen and disrupt vital functions. Applying Chi Nei Tsang techniques to the abdominal center achieves the fastest results and the most permanent healing. This system is also unique in that it offers methods for preventing any accumulation of negative or sick energies that other people release during the healing session. Illustrated with line drawings by Juan Li. 448 pages \$16.95

TAOIST WAY TO TRANSFORM STRESS INTO VITALITY — The Inner Smile, Six Healing Sounds by Mantak Chia

The foundations of success, personal power, health, and peak performance are created by knowing how to transform stress into vitality and power using the techniques of the Inner Smile and Six Healing Sounds, and then circulating the smiling energy in the Microcosmic Orbit. The Inner Smile teaches you how to get in touch with your inner organs, fall in love with them and smile to them, so that emotions and stress can be transformed into creativity, learning, healing and peak performance energy. The Six Healing Sounds help to cool down the system, eliminate trapped energy, and clean the toxins out of the organs in order to establish organs that are in peak condition. 156 pages \$10.95

BONE MARROW NEI KUNG by Mantak Chia

Bone Marrow Nei Kung is a system to cultivate internal power. Through absorbing cosmic energy into the bones, the bone marrow is revitalized, blood replenished, and the life-force within is nourished. These methods are known to make the body impervious to illness and disease. In ancient times, the 'Steel Body' attained through this practice was a coveted asset in the fields of Chinese medicine and martial arts. Taoist methods of "regrowing" the bone marrow are crucial to rejuvenating the body, which in turn rejuvenates the mind and spirit. This system has not been revealed before, but in this ground-breaking work Master Mantak Chia divulges the step by step practice of his predecessors. 288 pages. \$14.95

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