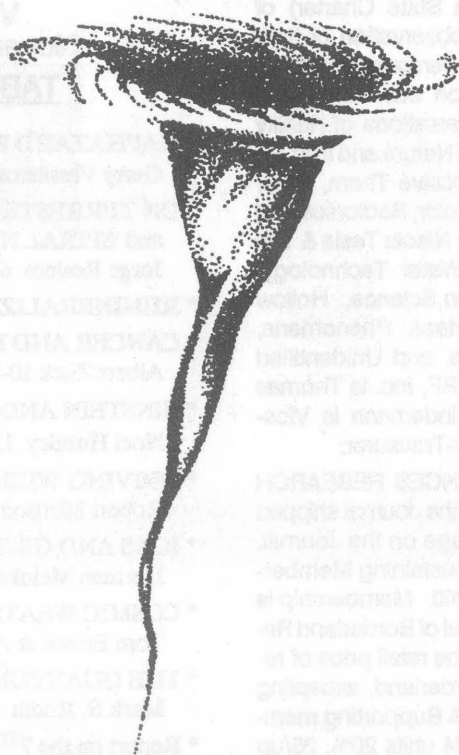


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Driving Whirlwinds

The Journal of Borderland Research

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HAPHAZARD RADIONICS

Gerry Vassilatos

Element Technology

For those who are sufficiently sensitive and exercised in the various abilities of perceiving radionic emissions more or less directly, I have written this article. For several years now, I have become aware of the psychondic* powers found in certain locales. There are those which are, of course, the natural ones—those generated by natural sources in specific locations. These can be found to arise via arrangements purely of Nature, as in the particular orientations of rocks, shrubs, trees, streams, pools, wooded areas. Others are found to be very powerful “devices,” and are directing and focussing energies as a result of human interactions and placements.

Although I feel that the placements of certain rockwalls, iron railings, monuments, poles (wooden or metallic), electrical machines, power stations, are really guided by greater natural energies, there are some whose positional arrangements are haphazard. If one looks in older neighborhoods, one finds the more naturally conformant structures arising from days when people were more in tune with the natural neighborhoods. I take particular delight in those places which represent the first encounters of woods and people—how they blended naturally. One may see how that natural energies “accepted” the structures and arrangements of humankind so wonderfully—those old hearths and rockwalls beautifully covered by dark green moss, every whit vital and sparkling. And those little gardens, stone benches, evergreens and ivy verdant—the list goes on endlessly. The people who patiently and lovingly gendered that glorious time in our land were very aware of natural energies. I would place the time of such balance with our late 1800’s—a time of gardens spreading trees, lovely parks, open greens, natural diets, etheric science, respectful religion with an eye on other worlds and their grandeur.

Old neighborhoods often “flash” their whole-image to you as you enter certain locales. One may find impressions of the original landscape in the city’s midst. Today’s suburbs are a conglomerate of new and old, and one is particularly struck with the haphazard arrangements of very conductive structures. I refer to the conductivity or permittivity of structures and manmade objects with regard to the natural energies present in a locale. These ar-

rangements are either helping to enhance or derange some of the natural energies, whose natural structure existed long before we settled the areas. More often than not, one realizes that planning and building is rarely handled with any regard to natural energy. Most likely it was whatever lots were available in order to build whatever house or building financially arranged. One senses strong natural aversion in such placings—they seem so forced and unwanted by the natural element. Cities, urban clusters, are terribly congested regions of manmade objects, otherwise intruding the natural order. Yet, we find those small settings within the city which seem so to have resisted any attack—as if the natural energy was preserving the place either by concealment or force. This latter aspect is wondrous, since it seems these placings attract the very people who have the power to destroy them for all the others. They know that a little bright park in the midst of the madness is a sweet refuge enough well-prized. And so, the natural forces have triumphed against their antagonists. One very easily can locate these within the city. Perhaps while reading this article, these places are making themselves known to you, presenting themselves as sudden “memory-flashes.”

Such preservation of natural waveguides and natural antennae is part of the mysterious economy and management of the surface energies indigenous within specific locales. In their various compoundings together, they consolidate the “feel” of a city. If they are thoroughly thwarted, the city will begin exactly what we are seeing—it will die as the result of the submergence of the natural fluxions. How often have you watched a deep gorge being dug in some wooded area, and have felt the wild arcings of natural energy in its attempt to maintain its conduction pathworkings? Numerous and powerfully sharp outrayings may be released into the skies and across human pathways—the fractions of a total flux taking the spaceguide rather than the earthpath.

Certain arrangements of mankind offer us the unique opportunity of learning what kinds of arrangements may produce the most powerfully active radionic clarifiers, amplifiers, transmitters and receptors. I found it an impossible thing to stand next to a large wooden telephone pole. Juxtaposed to it was a very sharp angle of bricks which formed part of a wall. Only after moving over to that angled stonework was I able to feel comfortable again. The

* Psychondic is a term coined by the author to designate gateways for energies dealing with the psyche.

amount of natural emission coursing up that pole was terrific. Somehow, the stonework was actually conducting the energy and sending it into and up the pole, where it was arcing upwards into some unknown plexus in Space. I have often seen those rayings which dart from towers of every sort—in fact, any vertical projection of sufficient conductivity and material permittivity will emit such an angulated raying. On various days, one will find that the ray-angles will vary in their upward path. Perhaps someone will discover the exact relationships involved in these nutations. Tesla's drawings of ray-towers seem to show similar kinds of rays; and judging from the fact that they do not show turrets in a true sense, I have to conclude that he was already making progress in the modulations of these natural energies. Tesla was a very perceptive soul, and most likely discovered that his own visionary powers are greatly amplified by his coils and towers when the power was off. Such constructions as his "Wheatstone Bridge" was most likely a primitive Abrams waveguide and tuner assembly. What we have needed for so long is a substance (solidstate) whose qualities of amplification make the notion of psychondic machinery a greater reality. As a culture, and at such a time, we are merely utilizing the inertiality of otherwise etherically formed fluxes. Our power systems and devices make use of the crude inertiae of objects which require spinning, swinging, pushing, changings (accelerations). Radionics needs to move out into the public-works in order to maintain the vitality of our land. Such transmitters would radiate all the virtues which make for a better world. And warfare would be amply threatened; but if hostile forces were ranged against us, then psychotronics would deal specifically with whoever was projecting those kinds of thoughts. Radionic generators utilize static sources of flux; structured in tense, strained, solidstate. Their output is endless, and they promise (as progress will prove) better systems of lighting, heating, teletransmissions, transcommunications, recording and storage of information (telechronicles) all directly applied from point to point instantly.

Certain of the telephone company's devices seem to emit strange rays into the surrounds, particularly the elevated transformers. Transformers of any kind seem to emit strongly in specific directions. They do so even when they are disconnected. Take, for example, any trainyard with its large assemblages of rails, transformer-spares, engines, stonewalls, gravel piles—a wealth of study material in more or less randomized form. All this, material for the designer's mind to test and transcribe into consolidated form in the laboratory.

Homes are fascinating radionic machines, with their numerous hallways, stairwells, and systems of activating

the ether within their confines. Ordinary household lighting, specifically the incandescent variety, seem to so effect the etheric flow through a house. The simple lighting of a lamp outside the house will cause a vital flux of energy to begin to move through the dwelling. This flux is further enhanced when lamps are lit at the top of the stairwell (energy will flow up into the rooms adjacent to the lamp). Even when the sunlight is strong, I have seen that a low-power incandescent lamp will effect a local coloration. This usually appears as a purplish-pink cast in the room which disappears when the lamp is off. At dawn and dusk, any windowpane so illuminated, will apply such a lovely sharp color cast upon the skies. The curious thing is that it appears to be coming from the glowing sky. The glow, in fact, ceases when the lamp is turned off. A great surge of vitality is in this glow, and tensions of all sorts are eliminated as the lamp remains on.

Hydraulic assemblages—those found in pool sites, washing areas, air conditioners, fans—all these will emit strong signals of vital energies. It is curious that such a simple device as an ordinary fan will cause a perceptible ether strain in any room. Water in swirling motion is a wealth of energetic transforms, and pool-pumps are no exception. The hoseworks and circulating chambers, along with the filtration chambers are a radionic engineer's wonderland. Even the shaping of the hosework has a particularly emissive quality, and serves as a modelground for new designs of needed radionic machinery.

Railings, either of trains or fencing, all seem to conduct pulsatory emissions of natural energies. They also definitely display a pulse rate, seen as a tendency for the eye to drift along the structure, or up and down the object repeatedly. Realize that, the eye being a condenser of sorts, it also responds organically to the fluxions. Watch flagpoles during any kind of weather, and discover the amazingly stable nature of the pulse rate for any structure, whether it be a building, pole, tree, monument. You may even begin to discern the various lateral emissions as well. The geometry and material of all these structures plays a vital role in the kind of emissions and their energetic levels and classes—more material for the designer to visually experience and freely test. During one severe thunderstorm, the experience was a bit more than visually distinct—I was actually feeling the powerful surges within my body...the energy was rampant. These pulses are very slow (1 per second or less).

Television sets, radios—all powerful emitters of various energies. Even the cabinets along with the metallic contents serve somewhat aggregate functions of directing and passing certain energies. One must separate the perception of the electromagnetics within from the purely

natural energies being stimulated by them. The natural energy will swirl within the circuitry and metalworks of the set in specific ways, choosing certain elements to pass through, avoiding others—even when unconnected elements or connected elements are examined. One will easily realize that the rules of flux are very different in this region of natural energies. With shortwave sets, one will receive definitely heightened extraspatial sensations, reaching out along the conduction paths being stimulated and amplified by the minor pulsings of current. I have often received flash-impressions of the person I am hearing, or of the locale being received. Such impressions are not random chances. The very thought of telecommunications is powerful enough to cause this extraspatial sight to begin to manifest. I have even received visionary flashes of undetermined stations in space—as if seeing the earth from a distant locale—while the radio is operating. The effect lasts for a while after the set is turned off, and represents the conduction path persistence. Try it. The key is to realize that every subjective impression is vitally part of the experimental observation, albeit of a deeper sensory nature. These impressions need to be made conscious and verbal in order for progress to be made in radionic engineering. We need to secure the stability of certain repeatable effects, to learn and peruse the hugeness of the possibilities afforded us in this seemingly endless field of study. Intradimensional perspective may be obtained via radionic visuators; in fact true intracommunications may be standardized by such research. By this, I refer to true communications—those which cause the personalities involved to communicate directly and thoroughly into certain depths of consciousness, rather than the mere perusal of lighted images in separation one from the other on a screen of glass.

There are certain locations which have steadily affected the local weather because the construction parties built cloudbuster-like machines by accident. Take for example the newly dug ravine in any suburb. Surrounded by woods, ample sources of concentrated living energies, and fenced around by a series of hollow skyward pointing steel pipes; all linked together by chainfencing and often flooded by swirling waters which run into the pit. What are we describing in primitive format? Why is this area so unbelievably active in vital energies at any time of the day, night and year? Why is there that clear spot in the midst of the wildly swirling clouds in this region? The entire land surrounding this place is an absolute vortex of energy one may feel within the inner parts of the body.

I especially love watching old science-fiction movies whose sets and props actually did operate radionically. The designers who created these marvels of unleashed

imagination were actually designing machinery to yield some fraction of whatever they figuratively represented. Go and see the powerful emissions in the old films. These props were actually built in those days, not mere computer-generated ideations. Because they were constructed, they really operated along certain modes of radionic principles; specifically ideations. Those movie set props were marvels of geometry from the radionic perspective. Use of segmented cylinders, cones, segmented cones interspersed with metal discs, large standing insulators surmounted by spheres, spheres of glass mounted on metallic bases—all extremely beautiful and capable of emitting specific rays of beauty, imaginations, ideations, extravisionaries, sudden flashes of devices. Such are the radionic transmissions pouring out of these machines.

The world of childhood is a rich panoply of multisensual energies—all of which are natural and supernatural. The machines which children make—the very first devices we all have constructed—are, by natural instinct and first choice, radionic machines. Defying the logic of modern textbook engineering, having features which seem to be mere “imagination”, these childhood machines did work. They amplified the imagination out into greater and greater realms. Hopefully, these machines will leave a lasting enough imprint of data before the educators manage to attempt its derangement. No wonder, they do this with natural energy on the ground surface, why shouldn't they go for the mark itself? The machines of children have every feature of a radionic assemblage: the circuitry is hyperspatial, frequently unconnected segments of components are related together by thought alone. Care in realizing exactly what is creating those thought connections must be taken, for it is the manifestation of natural energy which is acting as formant prestructure. And these machines do work, as you and I may well reflect upon and remember. Take care to realize exactly what it was they were collecting, amplifying, and conferring. You will not be disappointed to look back at these marvels of radionic engineering. Children should be encouraged to make such constructions wherever possible.

Next on our list of consideration are those people who never stopped making their radionic machines, albeit of a specific kind and for a special purpose—sculptors, painters, architects, musicians (although these form a distinct class of realizers along with theatrians of all kinds). What sculptors do is to create extremely simple radionic machines. Each work of art radiates its specific kind of natural energy to its surrounds, so that even in the absence of watchers, any work of art is transducing and pulsing out emissions to a neighborhood and its related sectors. As reality itself seems to be a magnificent agglomeration of

artworks, and having many related places which thought and association seem so to link as if by design (even distant, loosely related times, places, scenes, sensations are held together along specific lines of connection), it is fitting that simple and beautiful artifacts should radiate such meaning. Art may act as a matrixing plane (paintings) for distant associations, and may relay information between dimensions more directly than we realize. The very direct nature of its mode of contact is very reminiscent of the longitudinal wave concepts. In fact, it so very much like "direct contact" one wonders if Tesla began to realize the truth behind direct currents, and what it was which so drove Edison's originally benign thoughts.

When I was a child, I believed that radio and television was a transmission of current between antennae. When I was told about waves in space of transverse nature, I was as confused as the very visualizing of these waves may make us at times. For such reasons and on such considerations, I become instinctively very suspicious. My suspicions are based on the belief that simplicity, even in sublimely new and unexpected energies, must eventually be the rule. Simplicity is grandeur more often than not. Complexity is a fabrication of inert minds who move ever into inert regions. The simple observations of subjective kind are ever the most penetrating. We have them delivered into us from without, needing only the realization of them—their strangeness and meaning. Although they seem to come automatically and ultranaturally, and though we may even overlook them for the same reason, we must realize exactly what they represent. They are the natural and spontaneous emissions of Space Itself, which is Awareness. Being such a very natural kind of experience, we tend to overlook the profound glory of these ever present manifestations. We need to realize these and verbal them with others, for in doing this, we are releasing new avenues of the very energy we are studying. Writers have the very expressed privilege of being the receivers and transducers of distant and intradimensional chronicles. When the writer creates a "fantasy" I believe very strongly that they are realities in near dimensions which have the characters of our "stories" as their real populations. Poets and descriptive realists write of beauty or harshness as it is, and actually use metaphors of reality in connected ways. Their words bring to us those very qualities which they intend for us to share, even those of randomized variant images. So, whether of beauty or pain, they manage to link interrelated associations whose reality in Space is firm, nevertheless which are brought into a fluxual point. Poems, stories, songs—are machines of transcending ability. Through the most minor of stimulations such pure wonder pours through. Words in print are ever awash in the many relateds which they inter-

plex. Examine the written word and see this glorious phenomenon at work. And it is a constant activity, as Space Itself is Constant and Mighty.

Architects, musicians, artisans of every kind, all are radionic engineers. Whether they consciously realize these facts or not, they are making machinery whose total effect we cannot tell. Beauty is a radiant phenomenon. Ideas are a radiant phenomenon. Machines seem to trigger new "machine ideas." Songs and music utilize sonic clusters in order to transflux Space and release qualities intended. It seems that such gloriously simple means of achieving this have been delivered to us—just uttering musical notes and affecting distant locales directly. More will be spoken about these matters in subsequent articles, but suffice it to say that nearby articles of everyday experience serves, for the sensitive individual, a wealth of data in radionic matters.

Ordinary household furniture has a specific and openly powerful effect upon the whole of the dwelling filled by it. Wood is a very conductive material for natural energies whose passage through it is effortless. Its vesicular nature gives it a particularly unidirectional character in natural energy conduction. The mineral content in wood serves as an excellent focus for kinds of energies, and different woodtypes will transduct differing energies. The emissions from these varieties of materials will also become apparent upon experiential examination. Remember. Radionic examinations are subjective in quality. For each person who examines a particular object or arrangement, there may be a very different specific—it may be a different geometry, coloration, angulation, or association. Each being represents an extremely variant set of past experiences, settings, dispositions, and the like, so it is expected that their perceptions will also vary. Nevertheless, the miracle is that varying individuals will agree upon certain constants in the perception process. We must, however, recall that many varying pieces of data do not necessitate skepticism's hasty conclusions of fraud. They simply imply the multiplexial nature of this experience in which we dwell. If there be variants in observation, then it must be Space Itself which is potentially enabling and conducting the many variations. Furniture is simple and profound sculpture, and wood is preferred. Metal objects have their placing in the household. Too much brass seems to adversely affect organisms, along with the danger of aluminum rays. Cabinets of television sets are particularly interesting objects when well made of fine woods. They seem to enhance the perception of the signal in a specific manner, and different sets have a different quality of reception. The glaring fact that there are many haphazard elements in our homes need not overwhelm us. It seems that the very

wealthy are able to "get what they want" in these matters. This fact seems to point to a single objective of a very personal nature which I will begin to share very soon. This deals with a series of devices whose aim it is to circumvent the deranging effects of improperly made household items, while modulating the deepest possible matrix of energy via specifically constructed designs. It is worthwhile to study how natural energies will swirl around in wood-whorls. Look at doors whose cut is across the grain, and sense the power of the vortices at play there. A deeper energy matrix would govern all these topical effects.

Musical instruments are a treasure house of radionic studies. Their wooden bodies and magnetic pickups must surely require a volume to describe the details of natural energetic fluxions. Suffice it for now to realize that instrument makers have been radionically designing these objects of sound for centuries. What is truly marvelous to me is the manner in which they seemingly possess the ability to sing out before they are played--how we are drawn to them very easily--how children are drawn to them unhindered and without any concern for the opinions of what sounds are being made. In fact, the primal sounds which children make upon any instrument should be the course of study in the world's universities. Perhaps then these fixated, servile institutions would become liberated to make the true sounds of our times--for the Space Environs and not for the bourgeoisie who seem to so need the feedings of "tempered musick."

Instruments breathe and vibrate within the natural environs by design. Press the sustain pedal of any piano down and strike out a series of random cluster chords. Let the sound ring out and feel the pulse and power connecting throughout the environs. Perhaps you received several mindflashes through the vibrancy of those glorious freed tones. Fingerpainting with sound is personal freeflow with the natural environs and their lovingly multivarious qualities. Sound is extension. Instruments are transformers of energy. They open paths for potential qualities to enter into their chambers. There, they are blended and released out into our realm. Even certain static objects may resonate tones. Large boulders do, often with several harmonics associated. At specifically low vibration levels, there appears to be a nexus of "radionic" sounds with "acoustic" sounds. This area of study must prove fruitful. Steel streetlamp posts often emit sounds spontaneously in both realms. I have often seen energies pulsing along railway tracks several powerful times. The area will hush, as if anticipating the next occurrence, as the train then appears down further along a section of track. The entire environs seem to respond in a totally living manner. The sounds we sense before the train appears is particularly to be noted.

I have been particularly intrigued for a great long while with the phenomena associated with the directions which sounds, thoughts, memories, visions, flash-impressions, all seem to take both in their manifestations (their flux into us and through our bodies). If we be sufficiently versed and associated out into the Space gantry--the castlery of the Mind, then rays whose paths traverse those higher other realms may affect us directly without so much as passing through our bodies, but this will remain for future papers. It seems that sounds emitted by special instruments seem to travel along angular paths through the environs. I have also noted that special clusterings of sound can radically affect the entire environs, but these too require time to describe, and are of a special nature associated with the very foundational nature of the experiential matrix proper. Of a true cause for wonder is the manner in which analog recordings have the amazing capacity of selecting their own sonic terraces in a room--they seem to fill the room with a true warmth, while arranging themselves spatially in a form perceived as a complex definition within the hearing space. At times, this "cavitation" is most defined and detailed, and seems actually to penetrate the room in an extraspatial way, so that it seems the walls can be seen through. Old Victorolas seem to maintain their powers of acoustic transduction, behaving as acoustic instruments are designed to do. Analog recordings maintain their warmth and feel. One senses direct contact with a living persona upon hearing and experiencing analog recordings.

Our most sincere hope is that you, the reader, will apply and undertake these notions of radionic examination in order to better stimulate and organize materials intended for design and more formal construction of devices which operate in natural energetic fluxions. Go out for a walk and enjoy this free multisensory "haphazard" experience in radiesthetic machinery. Perhaps it will be you who discovers a means of better amplifying the natural energies -- even as Nature is right now doing the same at some unknown locales. Perhaps you may discover the means of building the machinery of the newer, better world after such an excursion. Search your mind. Surely you remember such places of local energy. Perhaps now you will realize what it is about the manner in which the locales were naturally arranged, what materials (living or inorganic) make them to so emit their energies. We need to learn how to cooperate with these energies and utilize their glories best. They often so totally relate us to many other placings elsewhere that we feel more vitally ourselves; and so we need to pursue them most ardently toward our goal.

Out now! Build that new world!

ON TERRESTRIAL MAGNETISM And SPIRAL NEBULAE

by Jorge Resines

This issue I want to bring my fellow Borderlanders, not what I have personally found, but translations of two highly interesting articles. They come from an age where it was not possible to do computer-simulations and therefore men of science had to avail themselves of whatever method they could to investigate. Two such methods are herein described. With the first one you will be able to reproduce, on a small scale, the features of the energy grid discovered by Bruce Cathie (with only a small adaptation) and with the other you will be able to duplicate the motions of galaxies and stellar cumuli.

Some comments on the first article: Cathie discovered that our present magnetic poles are the result of TWO interacting grids that are being set-up by flying saucers in order to create a THIRD grid (the poles of which are, respectively, the North and South Magnetic Poles), in this article you will notice that only TWO spherical coils are used but in order to replicate our planetary grid FOUR must be employed.

"About the Inequalities in Distribution of Terrestrial Magnetism" by Mr. P. Idrac, Introduced by Mr. Lippmann (From "Comptes Rendus a L'Academie des Sciences de Paris", session of December 22, 1913; pages 1488-1490.)

Within an opuscul published in 1889, Sir H. Wilde has exposed his works upon an instrument he called "Magnetarium", destined to reproduce the phenomena of terrestrial magnetism.¹

Despite the objections that Bauer made against it, there exists within his exposition (Wilde's) a general agreement so much similar to actuality that I have

thought it very interesting to begin again this work in order to complete it. The device by Wilde, in fact, did not allow the study of magnetic phenomena at high latitudes and, particularly, within the neighborhood of magnetic poles.

To such a stake I have built a new device with a diameter of 50 centimeters (Translator's Note: 1.62 Cathie's geodesic foot), within which I can supply with electricity the two internal coils without affecting the study in the neighborhood of the poles.²

The new device has allowed me to confirm, within its great outlines, the results by Wilde. But if we research what goes on near the poles we find out that the North pole is at its normal place, but the South pole is at 91° East longitude instead of at 157°, which is almost at the antipodes of the North pole with a distance of 7° only in longitude instead of 73° as in nature. I have found, by adding plates of hard cardboard at all possible positions, to obtain the pole's actual position and I could not establish it less than 30° from its true location and this after the placing of six layers of hard cardboard at a portion of the Southern hemisphere covered by land; yet this gave as a result, at small distances from the South pole, inadmissible irregularities within the magnetic inclination (TN: Is this provoked by the lack of the two coils, representing the two other poles, or perhaps Monsieur Idrac reproduced upon his small globe an ethereal duplicate of the hole at the pole?)

Then it seems impossible to represent, albeit with some rigor, the phenomena of terrestrial magnetism. One could expect to approach actuality when breaking the alignment in the common center of the coils and placing them upon the line of the magnetic poles, but a simple calculation demonstrates that magnetic force should be 2-1/2 times stronger at North Africa than at Oceania, which is manifestly against actuality.

1. I remind the readership that the Magnetarium is composed of two almost-spherical electrical coils, placed within a terrestrial globe, in which one has its axis parallel to that of Earth and the other is inclined 23° 30' respect the first one; their diameter is as close as possible to a submultiple of the terrestrial globe; it is observed, when covering the surface of the seas with plates of hard cardboard, a remarkable agreement between the magnetic elements as given by a small magnetic compass placed upon the small globe and the same elements as observed in nature; we find, among others, upon the Magnetarium, the existence of a small oval area of magnetic declination at China, the point of crossing at the Atlantic, the lines of equal declination, etc.

2. The relative intensity of current within the two coils was not disclosed by Wilde. Within the studies made with the device placed at the Conservatory of Arts and Measures, I have determined this proportion in the way of obtaining results of the most satisfactory kind. I discovered the current within the coil whose axis is directed following the direction of the terrestrial's must be FIVE TIMES WEAKER than at the other coil directed along the magnetic axis.

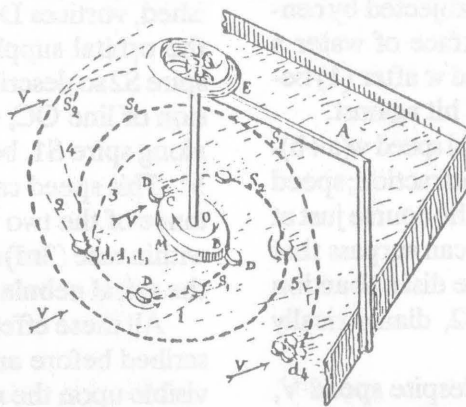
Within the Equator's neighborhood, however, the results by the device are enough in agreement with the facts and show well that the irregularity in terrestrial magnetism's distribution is due, at least partially to the magnetizing effect of the seas. This effect is confirmed by the fact that when duplicating thickness with hard cardboard plates at the zones of large depth in the oceans, the results are diminished.

Is it so that the line of zero declination at South America has been re-established 1° towards its actual location and that the East portion of the small oval area with null declination at China has returned to its true place from which it had been detoured about 5° before. The line of null inclination has been modified in the same way West of America and East of Asia, within the first case it was too much. Northwards and the oceanic depth upon the coasts of Chile diminished it 1 degree towards the South. Within the second case it was located too much Southwards and it was closer than 2 degrees towards its actual position.

It remains to be seen which is the actual cause of this oceanic magnetizing effect. Must we search for it within the oceanic mass itself or is it not better to think, as Monsieur Berget does, that the thickness of the terrestrial core is different under the seas than under the continents?

For solving this difficulty, I have used a small magnetic declination compass specially built for such a sake, and in which the magnet, with a length of 5 millimeters (TN: almost $1/5$ th of Cathie's geodesic inch; a little longer in honor to the truth), could be approached until a distance of 1 millimeter to the terrestrial surface: within these conditions, it is observed a brusque variation of many tens of degrees within declination as to pass from continents to the seas.

This effect is not produced when, as in past experiences, the magnetic compass is placed 2.5 centimeters (almost one British inch) from the terrestrial surface. If the oceans are agitated well because of their mass or because of the elements they contain, we should, when extending those places to the sea, verify a very rapid variation in the declination, and this does not happen. It is then that the opposite hypothesis is the one most possible?³



In definition, we then see that the Magnetarium, which seduces because of its simplicity in conception, cannot yield in full the reason for the phenomena in terrestrial magnetism. It allows, however, to state that the anomalies in magnetism's distribution are, in large part, due to the seas' magnetizing effect. The primordial cause of this effect is difficult to ascertain within the present-day state of Science (1913!), therefore we can attribute, because of the great resemblance, to attribute it to the inequalities upon the terrestrial core at least to a smaller proportion of magnetic materials within maritime regions (END OF TRANSLATION)

Yes, it is a very interesting experience that, with present-day materials, it is simpler to reproduce and to improve; however, great care must be taken in ascertaining: size of the four spherical coils; size and location of their support; using or not a variable power source (both in frequency and power); and similar features related with this construction.

My reading of the "Comptes Rendus" up to 1927 (included) has failed to disclose a continuation or improvement of the two experiences detailed in this translation; now comes the second article:

"Experiment Reproducing the Spires of Spiral Nebulae" by Mr. Emile Belot, Introduced by Mr. H. Poincare (From "Comptes Rendus a L'Academies des Sciences de Paris, session of June 24, 1912, pages 1780-1782).

Usually the spires of spiral nebula are thought of as synchronic curves that the matter emitted by the core occupies at a given moment, as water does within the jets of an hydraulic tourniquet.

Within this hypothesis, the vector radius of spires diminishes when it turns in the sense of central rotation, but you can also imagine that this vector radius increases and that the spires then follow the masses' trajectories. This second hypothesis can be illus-

3. This conclusion is already confirmed by the diminution that it is observed when re-covering Northern Siberia with a layer of hard cardboard; the line of null declination is then re-established partially towards its actual location; or we say that, upon this region of the globe, the geologists admit the existence of a former sea before our age.

trated with the following experience that puts at stake forces that may have their equals in nature (see illustration). Upon the surface of a basin A, filled with water, we make turn a cylinder BC of radius a, corresponding to the core of spiral nebula. The water surrounding this core will take an angular speed of w, variable with distance to center R, following such a law that:

$$w(R-a)^n = \text{constant} \quad (n \leq 2; R \geq a + b) \quad (1)$$

At point B, which we suppose fixed in space, we place sequentially cork disks D of radius b; they will adhere to core BC because of the capillary attraction here replacing Newtonian attraction. We animate the liquid A to a relative translation speed V, perpendicular to diameter BC.

The trajectories of disks D will be very different, according to the rotation speed w of the core:

(1st) w1 very large: The disks D projected by centrifugal force describe upon the surface of water a spiral S1, because of decreasing speed w after (1) because of the liquid filaments they do hit against.

(2nd) w1 diminished: At B, tangential speed $w(a+b)-V$ of disks D cannot vanquish central attraction; speed V will place the disks in contact with the course just at C, but at this point speed $w(a+b)-V$ can surpass that which balances central attraction, the disks abandon the core at C describing a spiral S2, diametrically opposite to S1.

(3rd) w1 very feeble: Disks D, despite speed V, remain indefinitely in touch with the core.

Within the three cases the disks do receive from the core a sense of rotation opposite to its motion.

Case of Spiral Nebulae: Because of assimilation with the former mechanism, let us imagine that a star in rotation or a gaseous vortex BC does penetrate a nebula A having a relative translation speed V where direction, changing because of resistance from the medium, will be at a given moment within the equatorial plane of the core.

At B, where the core's tangential speed is opposite to V, the molecular hits will be at a maximum that will determine the formation of vortices D composed partially by matter from the core and partially by matter from the nebula. The hits at point B will make maximal repulsive forces other than centrifugal force, that is the thermal force of explosion analogous to that which happens within sunspots, radiation pressure and no doubt also electrical forces. Then vortices D will abandon the core always at point B and at periodical intervals, for they will have attained it, with

a certain mass, a diameter that will further center from attraction center O. In the case where the core is a gaseous vortex, I have found within my "Essai de Cosmogonie Tourbillonnaire" (Essay on Vortical Cosmogony) the equation of spire S1:

$$R - a = be^{B\Omega}$$

Let us follow spire S1: Masses D will either be able to agglomerate themselves in steller groups d1, d2, d3, because of differential speeds within the spire, or because of their rotation upon their axes they will emit around them secondary spires 1, 2, 3, 4, 5. When spire S1 goes a second time along the line OB perpendicular to speed V, that, opposed to the translation speed within the spire, will reflow to extreme d4. Thus we explain with simplicity the Herschellian double-nebula that usually end following one of these spires. Though the core's rotational energy will be diminished, vortices D will not abandon it at C because of the orbital supplementary speed V. The masses of spire S2 so described, though they traverse the extension of line OC, will be able to, instead of reflowing along spire S1, be dispersed at S'2 because of Speed V. This speed can explain also the inequality in distance of the two spires at the core's center. Spire S2 within case (3rd) can also not be formed in which case the spiral nebula will have only one spire.

All these effects, suggested by the experience described before and foreseen by our theory, are seen visible upon the nebula of the Hunting Dogs (Canes Venatici), where you will recognize the pattern upon the figure. It seems that the theory, where the spires are considered as synchronical curves and not as some trajectories, cannot explain so easily all the particularities of spiral nebula (END OF TRANSLATION).

And I want to terminate this text by dedicating it to: Necessity, mother of Invention.

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REMINERALIZING THE SOIL

Most of us are aware that the greenhouse effect is rapidly becoming a serious threat to our climate. There is widespread agreement that it is the reason we lost almost one-third of all our grains in 1988, and were not able to produce enough wheat, corn, etc. to feed ourselves.

The greenhouse effect is caused partly by human activities – burning fossil fuels, cutting down the rainforests, etc., which put into the atmosphere carbon dioxide and other gases that trap additional heat from the sun, creating a kind of greenhouse. It is also happening because many of the earth's forests are dying from both man-made (pollution, acid rain) and natural causes. It is well known that much of the minerals in the earth's soil have been gradually eroded away since the last ice age. Since minerals (iron, calcium, etc.) are essential nutrients for every form of life, the world's forests have been weakening and dying for hundreds of years.

When the glaciers build up during each ice age, they grind up the rocks in their path into a fine dust, called "loess." This rock dust is then carried by water and wind to many parts of the earth. Since rocks are made of minerals, this is how the essential minerals are returned to the soil, and the forests become revitalized once again.

THE KEY TO OUR SURVIVAL

Experimental studies have shown that remineralizing the soil with finely ground gravel dust triples or quadruples the growth rate of plants!

By grinding up mixed gravels (which contain the full spectrum of minerals) into a dust as fine as talcum powder so they can be made use of quickly by the plants, and by spreading this dust by airplane, blower-truck and every conceivable means over most of the world's remaining forests, the forests will become rejuvenated. We also need to plant vast quantities of new, fast-growing species of trees on remineralized soil.

As the revitalized forests thrive and spread, they will consume much of the excess carbon dioxide in the atmosphere, reducing the greenhouse effect substantially. This will decrease the threat of a global food emergency which is now threatening us, and give us time to develop ways of conserving energy, much more efficient machines, and nonpolluting energy sources.

Remineralizing agricultural soils will enable us to grow much more food, enough to stockpile to get us through the coming climate crisis. It will also replace all the chemical fertilizers and pesticides which are poisoning the earth, the rivers, the farmers and ourselves. Remineralizing the soil produces plants so well nourished and hardy they can resist most insects all by themselves. They are also better able to withstand climatic extremes, including heat, cold and drought, all the things which now threaten our ability to grow enough food.

Remineralizing most of the forests of the world and planting billions of new trees is obviously a major project, but it is well within our industrial capabilities. It will cost about what the world spends on weapons and military activities every two years. There is evidence that it must be done quickly if we want to maximize our chances of stabilizing the climate before millions more of us starve to death, this time in every region of the earth.

We know what to do, and we can afford it. Have we got the will to live?

The scientific evidence for remineralizing the soil can be found in **The End: The Imminent Ice Age and How We Can Stop It** (Celestial Arts), \$8.95. Some visual evidence of the dramatic effects of remineralization and the experiences of some of the people working in this area can be found in the video **Stopping the Coming Ice Age** (\$29.95).

Both are available from the Institute For A Future, 2000 Center Street, Berkeley CA 94704. Credit card orders can be made toll-free by calling 1-800-441-7701. In California (415) 524-2700.

This perspective has been endorsed by several prominent scientists, including the following:

"I consider this completely valid. It requires immediate action."

– Victor Kovda, former President, Scientific Committee for Environmental Problems, Int. Council of Scientific Unions.

"An astonishing service for humanity. A complete world view which has been sitting under the noses of many scientists, and which all of them seem to have overlooked."

– Kenneth E. F. Watt, Professor of Environmental Studies, University of California, and author of the "Annual Review of the Environment" for the Encyclopedia Britannica

"This is very important."

– Wibjorn Karlen, climatologist, University of Stockholm

Cancer and Earthly Emanations

by Albert Zock

In August of 1945, the first atom bombs fell on the Japanese cities Hiroshima and Nagasaki.

In the years and decades after this inferno, it was noted that the survivors, besides other maladies, had a distinct increase in cancer. Scientists concluded this was the result of neutron emanations. This brought a new question to researchers about local influences in the development of cancer. The question was: Where do we find more such neutron emanations, besides the ones created by man himself?

Unfortunately, up to this day there are no dependable ways of measuring this kind of emanation, although it is known that the neutron has a magnetic property, which a professional radiesthesist can easily find.

The Medical Institute at the University of Bonn in West Germany let the radiesthesist Baron von Rollshausen examine 50 rooms in which patients died of cancer. The rooms had been empty, bare of furniture. Von Rollshausen not only found the accurate places where the beds once stood, but in 48 of the 50 cases in question, determined even the organs which had been affected. In his days, the neutron emanation had not yet been discovered.

Meanwhile French researchers found that charged electroscopes over disturbed zones lose their charges, because of the ionizing emanation from the earth, within seven to eleven seconds whereas on neutral grounds it takes up to one thousand seconds.

No matter how clean the Military claims the neutron bomb is, it is well known that all ionizing radiation can cause cancer.

The University of Marburg, Germany, scientifically examined three villages with a geophysical meter (Geoscope). Their finding was that cancer resulted exclusively over geological disturbances such as faults, whether water was present or not.

Two thousand years B.C., the Chinese, before building a home, searched the location with divining rods for geological disturbances and adjusted the

buildings with a compass to the earth's magnetic field.

Before setting up a military camp or building a city, the Romans killed a local animal and examined its liver. If it was hardened it was assumed that vegetation and water in that region were not suited for human usage and moved on to another location.

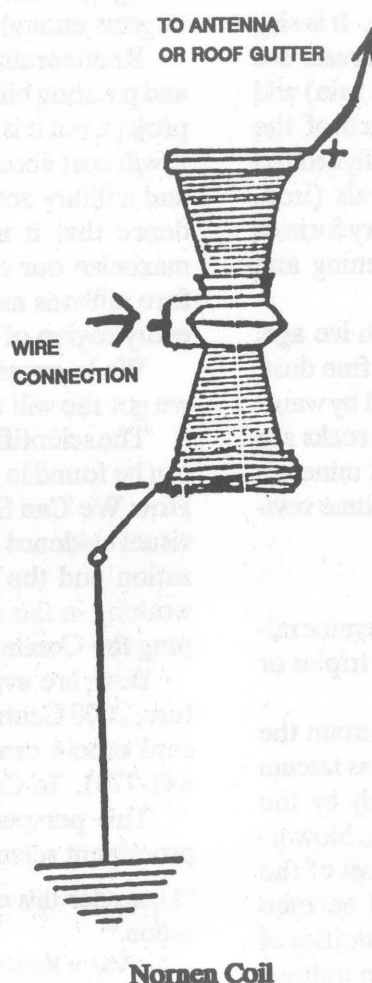
In 1911 two European physicians, Drs. Northnagel and von Hohenfels, did not allow their patients to sleep in the same location as they had before a cancer operation, knowing that the place where one becomes cancerous is the worst place for convalescence.

It has been proven over and over again that locations which are cancer causing happen to be over strong thermo-neutronic emanations from the ground. Even the British Atlas of Mortality (Nelson & Son, London 1962-1970) contains statistical proof that the place where one lives or works has much to do with terminal cancer, but, of course, no scientific explanation is given. Anyone who avoids sleeping or working for long periods over such zones will avoid cancer. This is not an assumption but a scientifically-proven fact which is ignored although not disproved.

A pioneer in this field, Gustav von Pohl, used the 1929 cancer-death reports kept by the Statistic Office for a decade to determine the exact bands across the country where cancer occurred. Death certificates and location reports showed that not one mortality occurred even within the width of a bed outside of the established band. Furthermore, later reports showed that new deaths again occurred exclusively over the same

sleep and work locations.

Dr. Hager, a health officer in Europe, investigated 5,348 cancer fatalities and found that cancer is locally restricted. If a disease is restricted to a place or narrow band, it should not be surprising if it re-occurs generation after generation in the same family since the same bed location is used for sleeping, because of tradition or room layout. When successive genera-



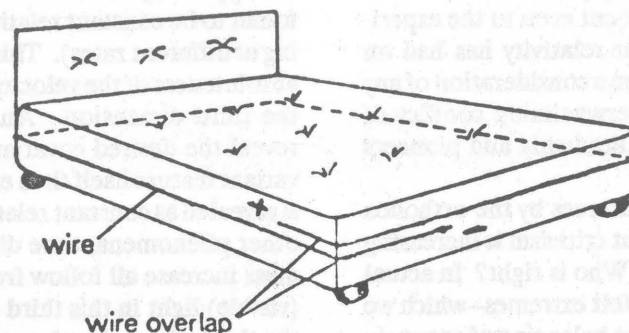
tions die of cancer is it any surprise that people should assume the disease to be inherited, to lie in the family?

The Russian-American Engineer, Georges Lakhovsky, who invented the multiwave oscillator, came to the same conclusion. In his book, *The Secret of Life*, he explains how geological conditions in the earth affect and change beneficial radiations into detrimental ones: "Sand, sandstone, gravel and such are dielectric in nature and absorb external radiation to a great depth, reflecting none back to the surface, but clay, marl, alluvial deposits and mineral ores are resistant to penetration and given to secondary radiations which modify the field of external radiations. People living on such soil show the highest incidence of cancer."

The only British study is that of Dr. Alfred Hariland which is condensed in a book he published in 1892, *The Geographical Distribution of Disease in Great Britain*, where he points out that there is a low mortality from cancer over limestone locations in all of England and Wales, but, on the other hand, clay and flood areas are associated with high cancer mortality.

A contemporary British dowser and writer, Bruce Copen, Ph.D., D.D. Litt., not only walks in the same footsteps but at the same time shows a way out, as he explained in his book *Radiesthesia for Home and Garden*. "Those who live over a sandy soil appear to enjoy a better night's sleep than those who sleep over granite or clay: the loss of sleep is due to cosmic radiation bouncing from the under layers of strata and being amplified by the springs of such a thing as a bed: the whole bed becomes a radio wave collector which can be remedied by suitable neutralizing of the bed against these rays." Copen recommends laying a wire along the mattress and connecting it to the ground, or making an oscillator with a flexible, isolated wire fastened around the mattress, the ends overlapping about one foot on each side with one inch space in between and making sure that the positive end of the wire is on top as shown in Fig. 1. The positive and negative ends of the wire can be found by using a pendulum or substitute.

But when a whole room, house or working place is affected, neutralizing by grounding can be compli-



cated or even impossible. In such case, the Nornen Coil comes in handy. This is a simple gadget everyone can make. It consists of two conical coils, both wound in a clockwise direction only and glued together at the narrower end. Isolated 20-gauge wire will do. About 40 feet of hookup wire for each coil, the cone can be from plastic or styrofoam. The upper, positive pole connects to an antenna, the lower negative coil ground to a water pipe or the like. In many cases, metallic roof gutters can be used as antenna, *but watch that the down pipe has no connection with the ground*. If it has, replace the last foot or so with a plastic pipe. A coil

with a diameter of two inches at the narrow end, five inches on the larger end and a height of 6 inches having 54 windings achieved complete neutralization of an area 280 feet in diameter. It is advised not to sleep or work close to the coil, keep a good distance. It has been found that iron pipes anchored in concrete blocks within a garden neutralized

a circle about ten feet in diameter.

The aforementioned methods neutralize negative emanations in the environment. Lakhovsky's multiwave oscillator was designed to cancel detrimental effects on humans, animals and plants. According to Lakhovsky, reflected, and therefore inharmonious vibrations, induce their unhealthy frequencies on living cells through the law of resonance. A cell oscillating off of its natural frequency will change its function and grow differently, a condition known as cancer.

Lakhovsky's oscillator sends out waves in multiple frequencies, giving each cell an opportunity, with help from the law of resonance, to restore its harmonics. This theory has been clinically proven many times over by physicians in France, New York and elsewhere.

Construction Notes:

The Nornen coil is easy to construct, as cone size, coil-windings and wire are not critical as long as both cones are equal, and the same amount of windings are on each cone (50 or more windings each cone with armature-wire or other insulated wire 25-32 gauge). Hobby and notion stores sell styrofoam cones in any shape and size, about 8 inches long is fine. Cut point off and glue together after winding. Connect wires on pointed ends to complete circuit.

EINSTEIN AND RELATIVITY

by Noel Huntley, Ph.D.

The proliferation of diverse opinions on Einstein's relativity of both a creditable and derogatory nature beckons the following questions: Has Einstein been overpraised for his relativity? And is he now being criticized unjustifiably?

The answers to these questions involve intricacies of both a scientific and psychological nature. This whole arena of debate is fraught with complex confusions and contradictions creating bewilderment even to the experienced physicist. The impact that relativity has had on scientific thinking, quite apart from a consideration of any contribution, has resulted in overwhelming conflict of viewpoints, not just between the academia and pioneers but within these groups.

The appraisal of relativity continues by the orthodox scientific community generally, but criticism is increasing amongst New Age investigators. Who is right? In actual fact both opposite viewpoints exhibit extremes—which we might note is a manifestation of the balancing of energy in itself. From this point of view, that is, psychological energies, the criticism was sure to follow. Although Einstein has been showered with excessive praise by relativists he is now receiving criticism from the pioneers but being blamed for interpretations of relativity of which much of the responsibility should be borne by the academic community. This itself is an interesting example of the way such psychological energies work. An overpraisal for wrong reasons will automatically attract the opposite polarity or energy form—an overcriticism for wrong reasons. Einstein has received too much praise and is now being overblamed for much of the reasons for which he was praised undeservedly.

He was never completely satisfied with his relativity. It was the scientific community which established some of the more materialistic interpretations. For example, Einstein never apparently stated that a body moving at high velocity, in itself, contracts relative to the observing source. He merely claimed that this is how it is viewed relative to the observer's standpoint. Relativity physicists have taken many of these features as representative of actual reality rather than an illusion. A more serious conclusion from the special theory equations is that the mass of a body increases towards infinity as its velocity approaches that of light. This is obviously another illusion and is becoming more a focus of criticism directed at Einstein. But in this instance, Einstein is vindicated; although not relativists generally, who have misinterpreted relativity. Relativity shows that the forward dimension of the moving body is reducing as its frame-of-reference axis turns through 90 de-

grees on approaching the velocity of light, and is zero at this velocity. That is, there is now no forward force. The effective force drops to zero giving the illusion that mass goes to infinity since even with the application of continuously increasing energy, none is transmitted in the forward direction at the velocity of light.

The special theory equations were contrived to handle the apparency of the measured velocity of light as being found to be constant relative to different observers (moving at different rates). This phenomenon of the apparent absoluteness of the velocity of light is clearly an illusion of the third dimension. An evaluation of spacetime will reveal the desired covariant characteristics, and this covariant feature itself then explains why the velocity of light is revealed as constant relative to different observers.¹ The other phenomena, time dilation, length contraction and mass increase all follow from this and are due to the way (visible) light in this third dimension is experienced, and the third-dimensional energy limitations.

Thus Einstein's special theory is a good representation of the illusions of the third dimension. Unfortunately, this has not been recognized and the result is that the introduction of the equations, in effect, closed off the third-dimensional spectrum of energies preventing progress into higher knowledge involving greater unification and superior technology.

The lid on the third dimension was also closed by two other significant developments of relativity; notably the principle of equivalence, and Einstein's decision to drop the nature of ether, following the establishment of the absoluteness of the velocity of light.

The principle of equivalence was illustrated by Einstein using the example of the man in the elevator. Two cases are compared, one inertial and the other gravitational. In the first, the elevator is imagined in free space (no gravity) with a rope attached to the top and accelerating it "upwards" so that the man feels weightiness against the floor of the elevator. This is experienced as identical to the second situation in which the elevator is placed in a gravitational field, such as resting on Earth. The man's weightiness is now due to gravity. This was supposed to mean that gravity and inertia are equivalent; but it is completely erroneous. In the second example, one cannot apply the constraint of fixing the elevator (on the ground or whatever) so that it cannot move, if one wishes to compare gravity rather than the gravitational force. The two examples are identical to, say, 1) placing one's hand in a trough of water and moving it against the stationary water and 2) arranging the test so that the water moves

against the stationary hand. The two are identical; not equivalent. Gravity is 3-4 dimensional and is dimensionally incompatible with the inertial force, which is 2-3 dimensional. As soon as any constraint is applied to a falling object the gravitational field effect (4D) reduces to a gravitational force (3D) acting on the surface of the body which is the inertial force (3D). The incorrect thinking is based on the misevaluation of the motion of the so-called Newton's falling apple.² Thus this is an example of incorporating previous errors in physics.

On this subject of falling bodies a favorable feature of relativity is revealed. Einstein made it clear that in relativity a body in free fall, which includes a planet orbiting the sun, has no forces acting on it. Its acceleration is due to curved space, and curved 3D space needs 4D. This acts on all atoms of the body uniformly and it is not correct to interpret the situation as meaning—in the case of the planet—that the gravitational force is balanced by the centrifugal force; there is no centrifugal or gravitational force acting on a planet in orbit, or a gravitational force and inertial force acting on a falling body. Gravity acts holistically, creating no reaction on a body. Thus relativity is correct but even Einstein was not clear as to what this meant since he contradicted it with his principle of equivalence. This comprises probably the most fundamental error in physics and requires a full explanation of inertia and gravity of which there is not the space to cover these here. It means technologically that one can have acceleration without force, owing to the fact that the onset of inertia is by-passed, caused by action (4D) on the whole system.

Finally, the hope of constructing a model to provide the requirements of a covariant spacetime during the era when the ether was becoming an enigma was abandoned when Einstein utilized the results of the Michelson-Morley experiment. The constancy of the velocity of light enabled him to drop the notion of an ether and give different frames of reference to the different observers moving at different velocities—spacetime being given only one frame. A covariant spacetime will contain all the different frames, itself, necessary to account for the illusion that the velocity of light comes out the same relativity to all observers. Thus the illusion of the light velocity is brought about by the very fact that the spacetime is covariant. The velocity attributes of real spacetime are independent of the motion of the observer and can be modelled. Thus the possibility of breakthroughs giving greater unification through an understanding of spacetime structure—was thwarted by this move.

The concept of space curvature to explain gravity is a good one since it gives a roughly correct topology for the (4D-3D) vortices which form the gravitational fields. Briefly, a vortex, to create mass at its center and subsequently gravity, begins in 4D and spirals centripetally towards its center cutting into the 3D matrix. Thus there is a curvature

projection into 3D which actually goes into the center of the mass, turning at right angles and meeting an opposite flow (antigravity from the antiuniverse side of a corresponding space³). In relativity the curvature similarly continues into mass towards its center; but only the black-hole solution of the general theory gives a space warp of sufficient curvature to break through into an opposite space (referred to speculatively as another universe).

To complete this brief critique we might refer to the cosmological implications of the general theory. A general theory solution is that the universe is a hypersurface of a hypersphere with time linear (like a higher-dimensional cylinder). This is called Einstein's universe. This means that there is a universal curvature. If Einstein had taken this into account he could have predicted the red shift, with considerable validation of his theory and there would not have been a big-bang theory (which was originally based on a red shift presumed to be caused by receding galaxies). The paths of light from distant stars would have universal curvature, which is equivalent to acceleration, giving rise to a lengthening of the wave.⁴

The positive feature of the theory was apparently overlooked. This would also apply to De Sitter's interpretation of the general theory—a 5D universal structure in which not only space is curved but also time.⁵

Einstein's universe (or variations of it), which is finite and unbounded, is an improvement on Newton's universe (which was linear and infinite—the ego view), but the infinities having been removed at the macro level and also the micro (Planck's quantum). It is essential that physicists reintroduce this concept and recognize that infinity goes inwards towards higher dimensionally at every point within Einstein's finite universe (at right angles to 3D), and that infinity is not quantitative but is contained within the undivided whole or quantum states within quantum states of infinite probabilities or potential descriptions in the holographic configuration of All That Is.

In conclusion, we might state that although the special and general theories are ingenious and very efficient ways of viewing the universe, they are far too ambitious, and physics is not nearly advanced enough to handle the unification involved in the 3-4D spectrum.

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Driving Whirlwinds.

by Robert Morison, 1960

"By setting the driving whirlwind in motion, a man may travel a great distance in the sky in a most marvellous manner..."

The Samarangana Sutradhara

Care for a Cyclone Ride? -- Consider if you will the Japanese typhoon of 1934. From the sea it lifted an assortment of ships of no mean tonnage. They wound up in the streets!

That is the sort of thing that happens when an aerial vortex goes into action on a really big scale; but what if such disturbances can be generated deliberately?

It is a thought which might have occurred to you if you had been in the vicinity of Twin Falls, Idaho on September 8th, 1956. A 400-pound steer was whisked into the sky by a circular flying machine!

My acquaintance with books about CFMs (circular flying machines) dates from January of that year.

It is written that a great many credible Earthians have seen them doing incredible things. Occasionally, mention is made of colossal silvery Space Ships from which the smaller machines can be said to operate. And from time to time one hears of chosen Earthians being interviewed in a friendly manner by Venusians or Martians.

Theoretically, an attitude of skepticism is called for. That would be in line with popular prejudice; nevertheless, I take the CFMs seriously. Communications are of special interest to me, because I have spent a good many years in radio engineering, film projection and clerical work. Moreover, I have always been keen on mechanical things and am thus particularly inquisitive as to how a circular flying machine can be propelled and controlled.

Earthian flight engineers have harnessed chemicals and fire and are hoping to harness the atom. But the CFM is evidently driven by a vastly superior form of energy which permeates it with contragravitic influence. The whole thing is nebulous; fabulous; fantastic. To Earthians with inquiring minds it often becomes an irresistible challenge

This is part of my response. It is the outcome of my research on the CFM propulsion mystery. The secret, as I see it, is the employment of normal atmospheric pressure for creating and maintaining an artificial whirlwind.

My aerodynamic experiments have taught me one thing at all events. When a bowl-shaped object of metal is well and truly revved up in suspension with its outside uppermost, it creates a downdraught and rises.

Anyone who doubts this is quite free to try such experiments himself. He can use a canister lid, a parabolic reflector, or better still, a proper saucerfoil specially turned up on a lathe. A beam-balance set-up was convenient in my case and the saucer was electrically driven. Other investigators may prefer spring balances and petrol engines; but they can all be pretty sure of getting results.

Whatever you do in this line, watch out for the whirl-

wind activity near the inside of your saucer. It must be the pressure of the spiral downwash that drives the whirlwind; and what I am wondering is this.

Can someone achieve a continuous conversion of compression energy into circulation energy? It would mean a saucer driving a vortex and the vortex driving the saucer with atmospheric pressure making good the losses. If so, the saucer will be capable of self-propulsion.

Cosmic Waves -- That is the general idea of the project I have in mind. Motive power from air pressure. But that would be perpetual motion -- which is unthinkable unless we replace the thought-block known as gravity with some energetics.

In other words, we must find a thinkable spatio-dynamic basis for our aerodynamics. It is not much good putting down air pressure to a vague generalization of the old school. Times have changed.

"Scientists are now certain that gravity travels in waves like radio and light at a speed of 186,000 miles a second."

Daily Express, June 9, 1957

Fortunately, C.E. Last has provided a sound alternative to the gravitational generalization: his vortex cosmology Man in the Universe (Werner Laurie, 1954).

He reminds us that the innermost satellites of every group orbit the most swiftly and that the planets behave likewise. Like a race, one might say, in which the speediest runners are on the inside. Leaves go round in similar fashion under the influence of a whirlwind or whirlpool, adduces Dr. Last, drawing comparisons directly from Nature.

Do they really get caught up or dragged down? Quite the reverse. They get a centripetal push as a result of the pressure gradient -- normal at the periphery, low at the axis. Their centripetal tendency is constructive. The parts of a wheel, on the other hand, have a centrifugal tendency, which is destructive.

By impressing upon our minds the distinguishing features of vortex motion and by pointing out the correspondences between fluid vortices and space vortices, Dr. Last has given us what we were after: a workable conception of what is holding us down and keeping our atmosphere under pressure.

Impulsion. That is my word for it. An influx of the fundamental Energy of the Cosmos.

We have only to rid our minds of just a few misconceptions and we can assume quite happily that the Space Ships we see are driven by Cosmic Energy. Some idea of the logic in this assumption can be gained from Bryant Reeve's expression of it on page 208 of Flying Saucer Pilgrimage (Amherst Press, 1957).

"To overcome the problems of propulsion, accelera-

tion, cosmic ray bombardment and cosmic debris, some form of cosmic energy is harnessed and is converted into the required effects of levitation, directional motion, independent gravitational field and a protective force about the ship."

The Demand for Upstarts and the Frowns of Pundits - Lots of people have seen magnificent CFMs but few have witnessed the ascent of a spinning canister lid.

It is a radically-new departure from the inclined-plane principle but is capable of doing work and appears to depend on the energetics associated with vortex flow.

Such a flow can always be initiated below the concave surface of any horizontally-spun saucerfoil. The initiating agency is a spiral downwash, which also exerts a lifting force by simple reaction.

That much has been gathered experimentally; and it suggests that, under suitable conditions, the artificial whirlwind or aerovortex might become self-maintaining or regenerative.

How? By virtue of spiral convection currents "involving" inwards and upwards under the influence of the surrounding pressure. These, I think should act as positive feedback loops connecting the downwash to the central vortex funnel.

With this paper I hope to persuade some person or persons unknown to continue the research in future.

Why someone else? Well, one reason is that I have no engineering qualifications. Even if I had some, they would be of no use without the necessary equipment. And that would not be easy to come by at the time of writing. I am working as a projectionist, one of four, at a small cinema in London.

Extraordinary Things - It was a remark made by one of the others in January 1956 that started me off on circular flying machines. Something had to be delivered somewhere in a hurry; and he said it was a pity we were not in possession of a Flying Saucer.

"What's a Flying Saucer?" I enquired -- but the answers I received were far from satisfactory. However, I was able to lay hands on some books about aerial oddities and was very soon discussing the question of explorers from other worlds with all and sundry.

The propulsion and control techniques were evidently closely guarded secrets; and it gradually dawned on me that I might do worse than try a little investigating.

Uppermost in my thoughts was a suspicion that the CFMs might have been spinning -- except for the cabins and landing-gear of the piloted versions. Admittedly, there was very little observational evidence of it; but then, if the machines have polished surfaces, one can hardly expect anyone to be able to distinguish between zero revs and any number of revs. At the same time, however, I was taking it for granted that the CFMs were spacecraft.

Accordingly, I studied a few text-books on mechanics and gyroscopics, concentrating mainly on the dynamics of

circular objects in rotation: the limited centripetal forces and the disruptive centrifugal reactions.

Next, I considered the lifting action of steam-engine governors. And after a while I had a working hypothesis.

The idea was to try spinning an inverted hollow cone or saucerform object; because I imagined that the centripetal forces might conceivably act through the material from rim to apex. I knew that the centrifugal reactions would fan out radially; and on paper it looked as though the forces would combine in an upward-and-outward resultant. Consequently, in spite of many doubts, I eventually decided that I would give the idea some sort of practical trial: "Nothing ventured, nothing gained".

Experiments -- The first necessity was a conical or saucer-form object. After visiting several hardware shops, I finally selected an egg poacher. This had a saucerform aluminum lid, 3-3/4" in diameter and 1/2" deep. I also bought a three-bladed "flying wheel" toy -- not that I had any use for the rotor -- but I knew that the capstan-type launching device could be pressed into service. I could rev up the miniature saucer with it.

The date of the initial experiment was the first of March 1956. The result -- success! The saucer jumped at least two inches at the first time of asking, then gracefully glided to the floor.

Three days later, I sent a note worded as follows to the Inventions Department of the Ministry of Supply:

"Dear Sirs, I have discovered the spatiodynamic principle of the Flying Saucers. Would you like a demonstration in five days time?"

They replied in the affirmative; so I presented myself, complete with my jumping saucer, at the appointed hour.

After the demonstration, they criticized the equipment; and after half an hour of spirited arguments they expressed unanimous disapproval of the combined-forces levitation hypothesis. One of them put me wise to the fact that the centripetal forces in a rotating body always acts towards the center of so-called gravity. This meant that there could be no lift on the strength of any familiar theory. Fair enough. But so what? So in practice we all had an exhilarating optical illusion? Exhilarating or otherwise that was their conclusion. A personal experience of nimble ministry logic.

Further study provided verification that the hypothesis certainly was a wash-out. Not so the unfamiliar phenomenon. It is as easily repeatable as child's play.

In April, a second hypothesis occurred to me. Would a rotating ring lose weight? My basis for thinking it might was the fact that its center of so-called gravity, at which its mass was expected to become concentrated, was within the internal space. I tested the hypothesis with a high-speed electric motor but got no joy.

So I gave up rings and eventually devised a captive mounting for an egg-poacher lid. A baseboard, which at first was held inverted in both hands, carries the motor. To

the shaft, which projects downwards, is fitted a flat rectangular turntable. Into this are fixed two vertical, parallel 5/32" steel rods. They pass through holes just inside the rim of the lid, which rests on a pair of rubber bushes.

Thus, provision has been made for a 3-3/4" diameter saucerform object of aluminum, 1/2" deep and weight half an ounce, to be spun up in such a way that it can seek its own level, within limits.

The first results obtained with the set-up were promising but puzzling. The lid persisted in lifting whichever way up it was mounted; whereas the hand-driven saucer takes off in the outside-up attitude only.

I could think of just one explanation: vibration; and in order to see if there was anything in my suspicion, I deliberately unbalanced the object with a piece of PVC tape. This put a stop to the mysterious phenomenon and showed that vibration does not cause it but hinders it.

The Basic Principle?—I was utterly devoid of hypotheses, but pressed on regardless. Every major industry had commenced in a small way from something trivial and primitive; and the buoyant egg-poacher lid was that sort of thing. It was not to be waved aside airily or abandoned without a struggle. So I struggled; and on May 15th, 1956, I stumbled upon the vital clue to an interpretation of its behavior.

Somewhat thoughtlessly, I was holding the machine at a dangerously low altitude over the bed. Suddenly, I noticed a small area of the bed-cover being drawn towards the interior of the whirling saucer!

It was an extremely anxious moment and I lifted the apparatus clear very smartly indeed. The suction effect with which I had been menaced was distinctly reminiscent of whirlpools...

A vortex of air—that was it! "So the CFM may be partly aerodynamic after all!" I surmised. "It creates a whirlwind within its boundary layer, making use of skin friction!" In conventional flight, on the other hand, one has to struggle *against* skin friction. It is the tendency of a moving surface to drag some air with it.

The Vortex Drive Scheme—The captive saucer, when inside up, is taken up to the turntable by suction. When outside up, it can snatch up lumps of cardboard and fling them aside. These effects came to my notice in the middle of May 1956 and told me I was dealing with vortex flow.

Now, vortex flow converts the potential energy of compression into the kinetic energy of circulation. So vortex flow energetics, rightly applied, should enable us to derive motive power from atmospheric pressure.

My scheme for using the energy differentials in aerovorticity has been submitted in one form or another to the Ministry of Supply, the United States Embassy, an aircraft manufacturer and Hovercraft people.

But to no avail. Governments and business firms would rather have a ton of practice than an ounce of theory at any price.

Consequently my appeals to authority have been discontinued.

This paper is dedicated to the heretic; the amateur; the handy man; the enthusiast; the sharp fellow.

There is a categorical demand for upstarts. Waveney Girvan acknowledges this on pages 23 and 24 of Flying Saucers and Common Sense (Muller, 1955).

"A patent agent has told me that many of the most useful inventions that have come his way have been made by newcomers or complete strangers to the trade or industry to which their innovations are applied. The expert, after all, is there to administer the laws as they exist. For change and improvement the rebel seems to be needed. And if we are to learn more about flying saucers we shall need people who will not be distressed by ridicule or intimidated by the frowns of pundits".

To Judge the Effect—In April 1958, the M.O.S. told me they felt that the experimental apparatus introduced spurious effects which led to wrong conclusions. They considered that a better method of testing my theory would be to use an apparatus that would balance the motor and saucer against a known weight before starting up. Then, they went on:

"When the motor is running steadily, if there is any lack of balance you would be in a better position to judge what effect the revolving saucer has."

Well, I have tried it with a six-inch lid removed from an aluminum canister intended for biscuits and it works.

Vortex Research—What if regeneration works, too? I think it must, if the energy in vortex flow is of Cosmic origin.

My advice to anyone who wants to try and get a saucer running on air is to float one in an electrodynamic field and start up his rotor electronically.

Some readers may devise even better ways of going about it. I hope the endeavors of a great many readers will be rewarded. For all I know, they may get a few ideas from what I.E.M. Watts says about water vapor and whirl winds on page 46 of Equatorial Weather (University of London Press, 1955).

"Tornadoes and waterspouts are occasionally found at low latitudes. Since they are of a convectional nature, instability is a condition for forming them; and this may often be due to insolation over land. A steep gradient in the air's moisture content also favors convection, because water vapor is less dense than dry air. Upward motion is apparently initiated when some small portion of air near the earth's surface becomes warmer and moister than the surrounding air. The rising air pursues spiral motion upwards, the rotation being generally (but not always) clockwise in the Southern Hemisphere. Moisture usually condenses as a column of cloud in the rising current and latent heat thus released supplies additional energy for the circulation."

IONS AND ORGONE

by Herman Meinke

I'm sure you've noticed some foggy days that seemed healthy and alive but others that appeared toxic and lifeless. It became apparent that the same condition occurred in my laboratory experiments on bion growth. There were many days when I worked with silica gels used in the research of bions and their growth later into insects. Eventually I noticed that these particular gels resembled the same phenomenon of toxic DOR¹ days whereby solutions with materials in temporary suspension, such as clay, fell to the bottom and other substances floated upwards instead. This is depicted in the moving nature of orgone-like foggy days. This beautiful orgone experience is seen when fog rises from a swamp at night or when rolling in from a south sea island. In DOR contrast, a smog filled room that's highly positive (negative ions far outnumbered by positive) has a DOR type stagnant air. This will clear up however when negative ions are reintroduced. I am not, however, saying that negative ions are orgone energy.

This same situation occurs outdoors when the air is charged very positively. Normally, fog doesn't lift easily. This is because the ionosphere is charge with 400,000 positive volts whereas the earth's ground surface tends to be negative, pulling the positively charge fog downward. This same situation fits other DOR type problems. Since these lighter, more mobile negatively charged particles are no longer present, the heavier and more condensed positively charge particles now repel each other in a manner similar to the particles in the silica gel solution in water (formerly mentioned). If I were to pour water on a colloid, the water would tend to move the whole gel. Just like this gel phenomenon described, DOR type fogs refuse to move, even when a breeze or wind comes along. It is as though the fog particles form an expanded colloid like sponge for many miles. Under these circumstances, it's easy to see why the air prefers to pass through the fog instead of struggling to impel it to move. Try to visualize the fog as a three dimensional screen with the corners of its cube having positive ions (or DOR particles) and the smaller air particles passing through the screen but not affecting its movement.

As stated earlier, you can experience orgone energy when encountering fog rising from a swamp both early in the morning and late at night when it comes gently rolling off the ocean. It occurs in the strongly charged negative ions of the misty sprays from cool mountain waterfalls. These particular ions are attracted to the ionosphere (which is highly positive) and they're lifted upward. The

negatively charged earth repels this type of orgone fog, causing it to turn into levitational clouds.

This same situation happens when a negative ion generator is used to clear up a smog filled room. My research does not indicate that orgone energy is related to negative ions but rather that orgone presence does seem to cause the air to become negatively charged.

Reich himself described fogs that would not move even in the presence of a wind or breeze and referred to them as DOR type fogs.

Some of my previous background involved working as a polymer chemist at Reichold Chemical Company along with experience as a plating chemist at Continental Dye Casting Company and automotive head chemist at EZY Products. I also studied electronics at Lawrence Tech. This particular background helped me to formulate the above theories.

Perhaps other scientists as well as laypeople can now use this information to advance their understanding of orgone energy. In the past twenty years, I have personally taken readings of the ion content of the air and used negative ion generators to simulate different effects. These instruments can be very useful in studying both orgone and DOR effects on air.

Remember that negative ion generators are not orgone generators. Negative ions generators will collect all the dirt from a room and deposit it on the walls nearby, actually bonding it to the paint. Further months of usage will also collect DOR dirt, radioactive fallout dust, and other toxic chemicals confining it to a small area, becoming too dangerous to be near eventually. Negative ion generators produce ORANUR² reactions.

There are ways to generate beneficial ions which may prove to be more closely related to orgone energy and thus safer. Refer to British patent #1,266,227 which can be obtained from: Patent Office, 25 Southampton Building, London WC2A 1AY as printed for Her Majesty's Stationary Office by Courier Press, Leamington Spa, 1972. If the electricity from a 5,000 and 10,000 volt AC generator is stored between capacitor plates without producing any electrical breakdown in the dielectric materials between the plates (and also if there is no electrical discharge in the air) then a small bluish glow will be observed when there is a small air gap between the plates. When this happens, the air coming through the plates acts like highly charged orgone energy. Tests run on the above patented device, with air recirculating for over one hour through the device, removed 88% of the CO₂. This air also caused rapid healing in highly infected mice.

1. DOR is the acronym coined by Dr. Wilhelm Reich to designate Deadly Orgone Radiation – the life-negative aspect of orgone energy.

2. ORANUR is the acronym used to designate ORgane Nuclear Reaction.

COSMIC WEATHER REPORT

Alison Davidson & Tom Brown

The rapid rise of Solar Cycle 22 has continued through 1989. It had been the quickest rise on record, but is now falling slightly behind the activity of Cycle 19 in the mid 1950's. There is still the potential for greater activity as the cycle is still climbing to maximum.

The massive X15 flare of 06 March 89 was superseded by the giant X20 flare on 16 August—the largest so far of this cycle.

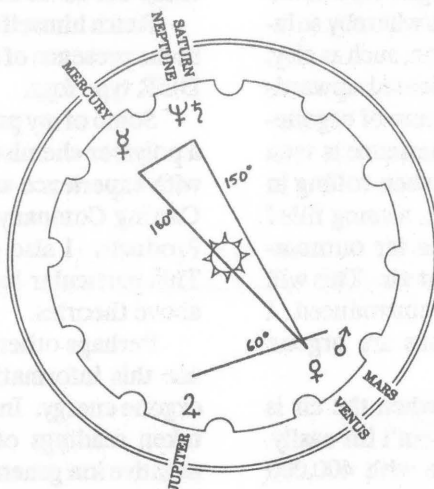
After a period of very low solar activity during April, with the solar flux hovering in the 176-205 s.f.u. (solar flux unit) range, the sun began flaring again, building up from a class M3 flare on May 21, to class X1 flares on June 2, 3, 5. This was followed by major flaring on June 15 (X4), 16th (X3) and 20th (X1).

The highest solar flux reading so far was 327 s.f.u. on 15 June 89 which coincided with the X4 flare. July was a month of low activity with the average solar flux in the 180 range, and a few major flares. For most of July the solar flux hovered in the 180 to 190 s.f.u. range with a low in the 160 range near the end of the month. August picked up again with a high of 286 s.f.u. on the 12th and a low of 156 s.f.u. on the 27th. September's high was 305 s.f.u. on the 7th and the 9th, with a low of 155 s.f.u. on the 24th.

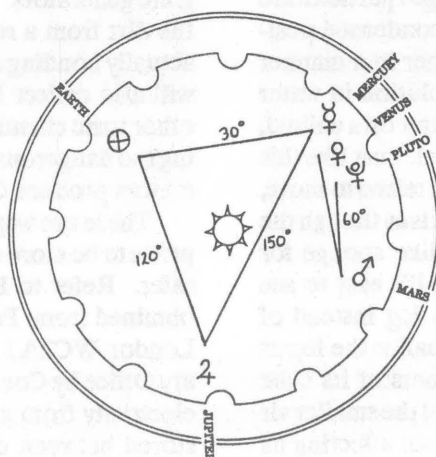
An article in TIME Magazine early this summer indicated that some scientists felt that we may have already reached solar maximum for Cycle 22. The early predictions for this cycle that we ran in the Jan-Feb 1988 JBR prognosticated solar maximum around February-March 1991. The latest predictions are for solar max around late 1989 to early 1990. As in all previous cycles, this one has had its distinct character. As we go through the peak of this cycle many researchers around the globe are keeping a keen eye on our active sun.

The flares we researched in this report period are as follows. (On the scale...C, M, X, with X being the greatest amount of output.)

June 2 - X1.3
June 3 - X1, M3.2
June 5 - X1
June 15 - X4
June 16 - X3
June 20 - X1.6, M9.3
Aug 16 - X20
Sept 29 - X9.8



15 June 1989, X4



16 Aug 1989, X20

We followed the heliocentric planetary positions during this period to see which angular relationships between the planets coincided with this high solar activity.

On June 2, the planet Mars moved into a 'hard' 90 degree angle with Pluto, an aspect which lasted for the duration of these X1 flares. Mars also formed a trine (120 degrees) with the Earth on June 3, and Earth completed this cosmic triangle with a 30 degree aspect to Pluto.

At the same time Mercury, moving more swiftly, approached the three outer planets Uranus, Saturn and Neptune who move so slowly they appear to be almost stationary in the sign of Capricorn. By June 2, Mercury was within three degrees of Uranus, passing across this planet on June 3 to conjunct Saturn on June 5.

Later in the month the solar activity peaked with a class X4 flare on June 15. Curiously Mars

was also involved with a sextile (60 degrees) to the giant planet Jupiter at this time. Venus and Mercury also figured strongly over this period, opposing each other and exactly aspecting the Saturn-Neptune conjunction.

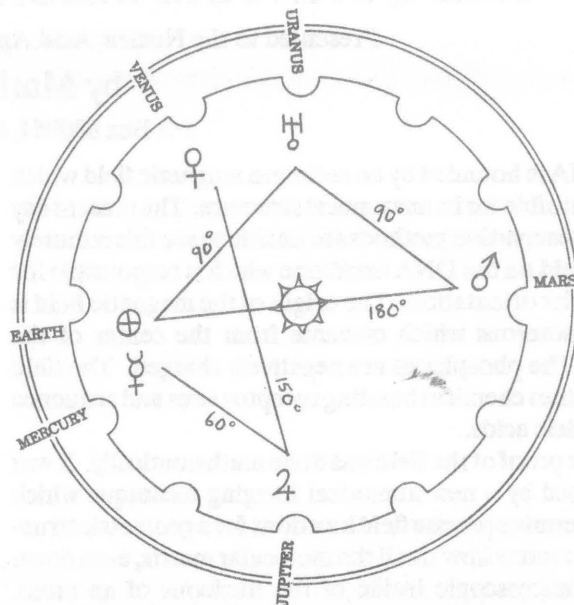
The two flares on June 20 saw Venus (closely following behind Mars) form an exact sextile to Jupiter, and Mercury a sextile to Earth.

The giant X20 flare on August 16 coincided with a Full Moon and solar eclipse - an interesting introduction to the Global Sciences Convention in Denver! Jupiter formed a cosmic triangle with Earth and Mercury, and at the same time Mars aspected both Venus and Pluto.

The next large flare (X9.8) on September 29 occurred on a New Moon—is there a hidden lunar influence operating? Here, Earth and Mars were in exact opposition, both planets forming a T-square to Uranus. Jupiter was also aspecting Venus and Mercury.

Back to the geocentric view: From October 26 through November 28, Saturn forms its third and final conjunction with Neptune this year, exact on November 13—a conjunction we won't experience again until February 2026 (if we're still on this planet). It's curious how Neptune has been the focus of attention during this year, both astrologically and through the all-too-brief views given us by the Voyager 2 space probe.

With Jupiter opposing this conjunction, we can expect the more optimistic urges towards expansion and liberation meeting with some heavy opposition. Watch for Neptune's illusions spun through the media's web. Keep your feet on the ground!

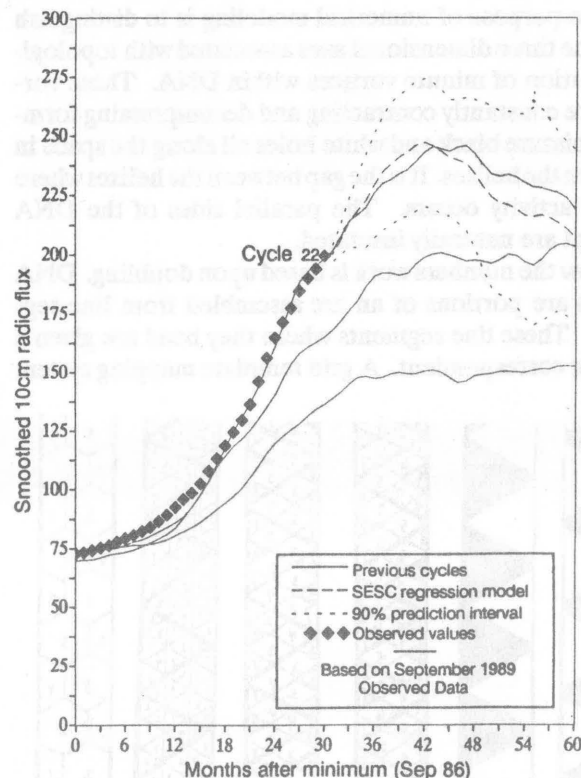
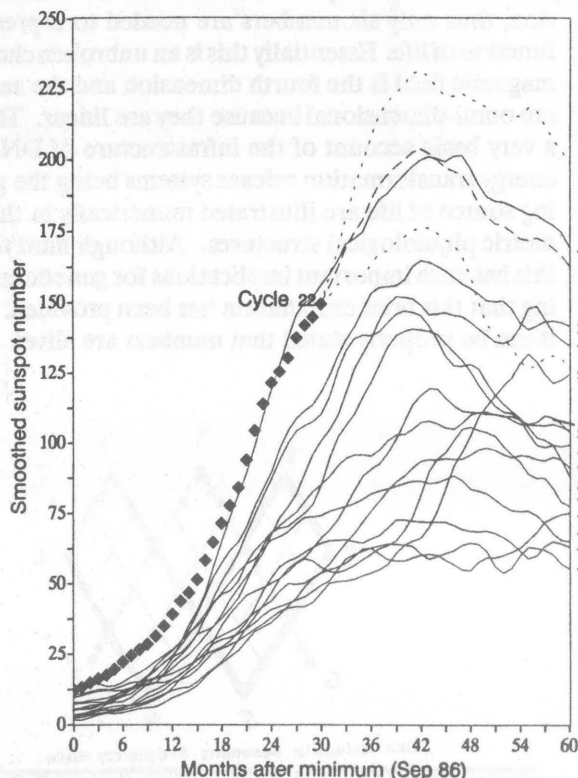


29 Sept 1989, X9.8

Rise of Solar Cycle 22 Compared to Previous Cycles

20

SESC PRF 736 10 October 1989



NOAA/SEL October 1989

THE QUANTUM MECHANICAL STATE OF DNA

Presented to the Nucleic Acid Application Fourth Annual Conference

by Mark B. Rodin

PO Box 880954, San Diego, CA 92108

DNA is bounded by an aetheron magnetic field which is responsible for its anatomical structure. The present day Squid observation methods are unable to see this minutely small field on the DNA backbone which is responsible for molecular orientation. The origin of the magnetic field is from aetherons which emanate from the center of the DNA. The phosphates are negatively charged. The field determines chemical bonding receptor sites and sequence for nucleic acids.

The proof of the field was done mathematically. It was calculated by a new numerical imaging technique which can determine precise field locations for a geometric structure no matter how small the molecular matrix, even down to the microscopic inside of the nucleus of an atom. While numbers have been thought to be esoteric, ultimately everything can be mathematically modeled. This I have done with the double spiral helix that composes DNA. By breaking the code unique properties are deduced. In this case DNA has a logarithm formula which is followed 100% time after time again. Atomic nuclear spin properties are evaluatable including angular momentum of the electrons.

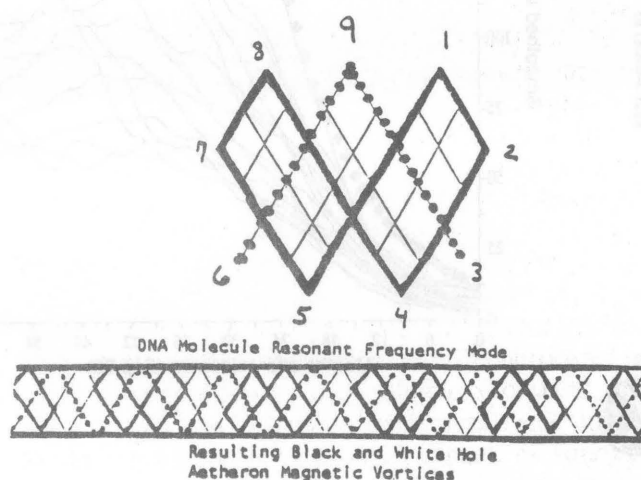
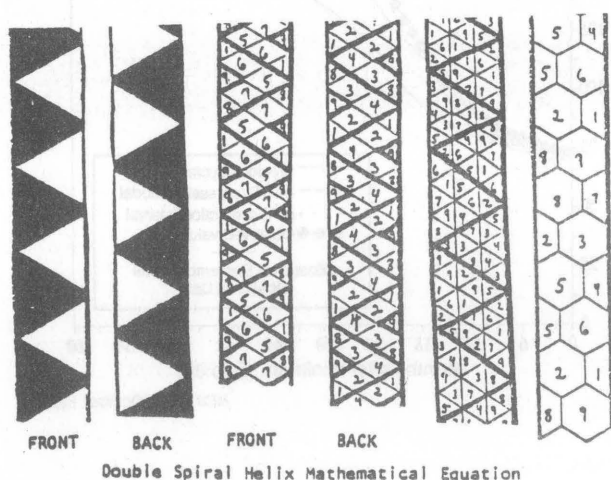
The purpose of numerical modeling is to distinguish all of the three dimensional axes associated with topological rotation of minute vortices within DNA. These vortices are constantly contracting and decompressing forming miniature black and white holes all along the space in between the helixes. It is the gap between the helixes where all the activity occurs. The parallel sides of the DNA filament are naturally insulated.

How the numbers work is based upon doubling. DNA strands are portions of an arc assembled from line segments. These line segments where they bend are given a number correspondent. A grid template mapping system

is used where the vector interstices of the lines represent real time motion. A highly restricted sequence of events with the only possible predetermined outcome follows. The doubling pattern, while moving in opposite directions of the DNA filament strands, is synchronized with the declining and ascending magnetic fields. The doubling is the result of a pulsed direct electrical current of extremely small voltages. The counter directional opposite flow of these currents creates eddies of induction which is the exact same observed function seen by the numbers.

The axis of the vortice is number 9 and represents the aetheron emanation. The numbers three and six are the result which is influenced by the control of number nine. When nine is negative, three and six are positive, and when nine is positive, three and six are negative. The direct current doubling is represented by the numbers 1, 2, 4, 8, 7, and 5...

Because doubling is a closed loop cycle which is an unbroken ring relative to spin continuum, this can be perceived clearly as a fractal for modeling the physics of infinity. Since on the third dimension all mass curves, this is a bounded infinity of endless duration but not of direction, thus only six numbers are needed to represent the function of life. Essentially this is an unbroken chain. The magnetic field is the fourth dimension and the aetherons are omni-dimensional because they are linear. This gives a very basic account of the infrastructure of DNA. The energy transformation release systems being the generating source of life are illustrated numerically in their geometric physiological structures. Although hard to grasp, this has such important implications for genetic engineering that this brief explanation has been provided. Indeed it can be properly stated that numbers are alive!



Report On The 7th GLOBAL SCIENCES CONGRESS

August 1989, Denver, Colorado

by Peter Lindemann

Dean and Phyllis Stonier are to be congratulated for producing the 7th Global Sciences Congress in Denver. It was held August 16-21, 1989 and was quite simply the best conference I have ever been to. By that I mean there was less snake oil for sale and more new and useful information presented, and I like the trend. Keep up the good work!

At Borderland, we try to give people the benefit of the doubt, but when we see snake oil we aren't afraid to say so. Before I review the highlights of the conference, and there were many, I'd like to mention the two presentations that were quite dim.

The first was George Hathaway's totally unsubstantiated, fake looking "levitation" video. With no sound and not one view of the scene from 10 feet away to give the viewer a perspective, it was impossible to know if we weren't looking at some objects falling off the ceiling filmed up-side-down. This kind of total baloney only detracts from interest in real levitation research. For his presentation, I nominate George for the uncoveted Borderland COW PIE Award for Worst Research Project of the Year. What a waste of time!

The second was the appearance of Dennis Lee. Because this was the absolute low point of the conference and because so many people were genuinely confused by Mr. Lee, I spoke to Rebecca Dean, Deputy District Attorney for the County of Ventura, Ca. to give me the straight scoop. Dennis Lee is currently out on bail pending trial to begin October 27th. He is charged with 9 counts of grand theft and 37 counts of violations in regard to a seller assisted marketing plan. The District Attorney's office knew he was speaking in Denver because he can't leave the State without their permission. While the solar-assisted heat-pump system Dennis Lee talks about *may* be an interesting technology with a future, Dennis Lee's future should prove to be far less interesting. We'll keep you posted. Meanwhile, don't let one of the holes in Dennis Lee's story wind up at the bottom of your pocket.

Enough on dimness.

I enjoyed so many of the presentations that I can only give each one a short mention: Zip Dobyns gave the best talk on Astrology I have ever heard. Her discussion of the importance of asteroids in the chart was fascinating. Charles Boyle is really on to something with his Secret Science of Language. R.E. McMaster, Jr.'s talk on the Perfect Economic System left me wanting to live in a world like that. But his second talk was as idiotic as his first one was brilliant. Stick to economics R.E. Ann Johnson's development of "The Harmonizer" is first class Alchemy. Anyone interested in passive (non-electric) devices capable of projecting a positive influence should look into The Har-

monizer. Good vibes in a vial! Wayne Tashea caused quite a stir with his new Color System. The colors are flashed directly into the eye until the "light body" fills up with all the colors. Wayne was really "high" and he wasn't taking drugs. Research worth pursuing! Similar to the Lumitron.

Meeting Sarah Hieronymous was inspirational. In her speech and again in private discussions with Tom, Alison and I, she firmly stated her findings that HIV virus is *not* the cause of Aids. Her work on the subtle levels strongly corroborates the findings of Jon Rappoport in his book *AIDS, INC.* With her feet solidly on the ground and her eyes open to the ethers, Sarah is a Borderland Researcher of the highest order. She is carrying on faithfully after her husband's passing.

Other excellent speakers were Ed McCabe speaking on Oxygen therapies and Dr. Robert Fox speaking on curing cancer with an electro-magnetic device. Doug Benjamin's presentation on "The Sacred Science of Ancient Egypt: the Key to Modern Energy Medicine" was highlighted by his demonstration that the energy coming off the corners of various right triangles can strengthen or weaken the meridians. Amazing and simple. Donald Beans' talk on "Spectro-Vibratory Imaging" had innovative directions for radionic research. Ed Sopchak got the only full and instantaneous standing ovation after his talk on CAN-CELL, an amazing new therapy for degenerative diseases. Can-Cell is a group of synthetic chemicals that attack cancer cells **ELECTRICALLY**, breaking them down into useful components like free amino acids, freeing the body of both the cancer and the need to eliminate masses of dead cells. Awesome research! I also enjoyed P.M.H. Atwater's talk on "The After Effects of the Near Death Experience." Her story is inspiring, heroic and thought provoking.

There were other speakers, but it was hard to see them all. The opening night was Freedom Night with Frank Pina giving an informative talk on the Federal Income Tax. Many videos were shown including *The Hoxsey Story*, *Stopping the Coming Ice Age*, and Trevor James Constable's *Primary Energy Weather Engineering*.

Besides all the great information, it was fun to sit down with old friends and catch up on our friendships, as well as meet new people. All in all, I enjoyed myself thoroughly, and look forward to next year.

Again, extra special thanks to Dean and Phyllis Stonier for producing a spectacular conference.

For those interested in audio or video tapes of these presentations, or for information on future conferences, including the mid-year conference, February 1-4, Orlando, Florida, contact: Dean Stonier, 3273 E. 119th Place, Thornton, Colorado 80233.

FIZIX KORNER

With Peter Lindemann

Having run the gamut from cynicism to whimsy, I thought best to end the year on somewhat of an even tone. Besides Free Energy and Magnetism, I have been interested in Color since 1975 when I stumbled into a simplified system, based on the work of Dinshah Ghadiali, promoted by Stanley Burroughs. After getting excellent results with this early set of color filters, I became a strong advocate of color healing.

Since joining the BSRF Board of Directors, Tom and I have conspired to make an excellent set of filters available to anyone interested in exploring color. This has not been easy. We started out by realizing that we didn't know that much about color. Tom dug up Goethe's color theories and Heinrich Proskauer's book The Rediscovery of Color and has published articles in past Journals on the subject. We both started looking through prisms at odd black and white designs and could clearly see that color appeared at the boundary between dark and light. This, however, didn't get us any closer to a practical set of color filters.

Tom sent a set of my filters to Dinshah's son, Sarosh, and he said they were one of the best sets of plastic gels he had ever seen, but that the violet wasn't good enough. The Dinshah system uses five pieces of colored glass to make 12 colors. My violet had to be doubled to match the set.

After no small effort and many, many hours of squinting through small swatches of sample color filters, I have come up with a set of color filters that very definitely make 10 of the 12 Dinshah colors and the last 2 are probably very close.

The procedure I used was simple and straightforward. Each morning the sun came in my east-facing living room window. I placed a Rainbow Flasher™ Holographic device on the windowsill and it projected about 50 full spectrum rainbows on my ceiling. Then I would look through all my sample color filters to see what colors I could see through them. After many days it slowly dawned on me what I was seeing. A "red" filter blocked violet, blue, green, up to lemon, but transmitted yellow, orange, red and infrared. It looked "red" but was passing everything above 600 nanometers. The "yellow" filter was even more enlightening. Through the "yellow" filter I could see green, lemon, yellow, orange, red and infrared. It blocked blue and violet. It looked yellow, but was passing everything above 540 nanometers. I hadn't been satisfied with the orange that I was supposed to be able to make with the yellow and red filters together. Now I could see why. Looking at my rainbow through the red and yellow filters together, I saw the same spectrum as looking through the red filter alone. While equal amounts of yellow light and red light from separate sources may add to make orange, the filters work together to create a subtraction product. While this may be common knowledge for those well versed in color photography, this has not been well understood by those interested in color healing. Because of this, I now believe it is not possible to use plastic color filters to make the 12 Dinshah

colors from 5 filters, as Dinshah claims to have done with glass 50 years ago.

To check this out, Tom sent me a set of 5 "tuned" glass slides provided to him by Dinshah's son Sarosh, and they failed my test as miserably as my original plastic filters. They also create a subtraction product. Typically, a set of 5 filters, plastic or glass, which are red, yellow, green, blue, violet can make those colors plus lemon and turquoise. They cannot make orange or indigo and do very poorly on purple, scarlet and magenta. A score of 7 out of 12 is the theoretical best and most sets don't do that well. The Dinshah glass "red" passed a lot of orange, the "violet" passes a lot of indigo and the "green" passed everything from orange to indigo. This is not to say that these glass slides will not give excellent results in color healing. On the contrary, experience shows very good results.

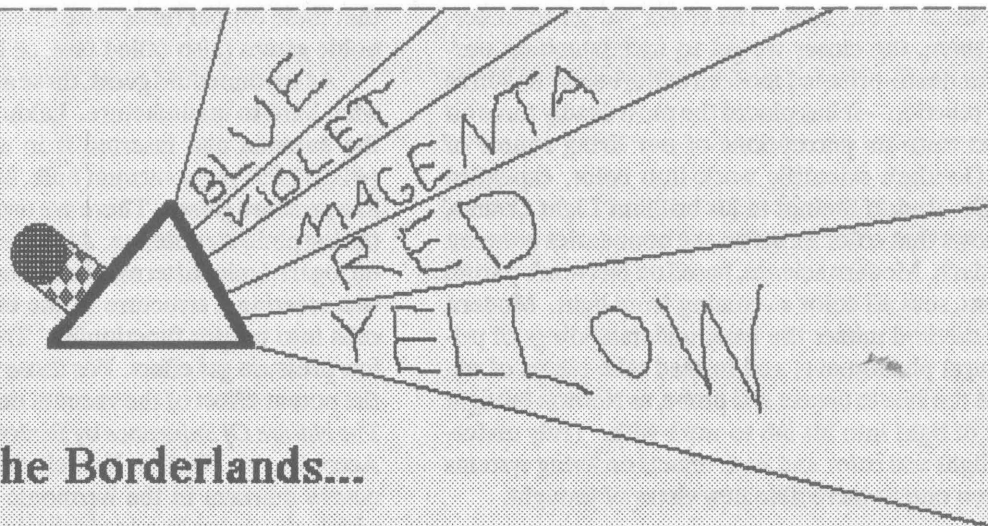
By now, I am up to my neck in controversy and had better retrench. So I revert to definitions. Red is a transmission above 660 N.M., Green is a transmission that centers at 550 N.M., Violet is a transmission below 440 N.M. These are the three primary colors and the Dinshah glass slides pass this test.

The next problem was finding one brand of color filters that could make all 12 colors. I tried for years to do this and finally decided it was impossible. Once I got over that, I simply picked the filters that made the color best. As it turned out, the set I now use has filters from 4 different brands. Here they are:

| Color | Filters |
|-----------|-------------------------------------|
| Red | 1 Lee #106 & 1 Lee #181 |
| Orange | 2 Lee #135 |
| Yellow | 2 Roscolene #809 |
| Lemon | 1 Roscolene #809 & 1 Roscolene #874 |
| Green | 2 Roscolene #874 |
| Turquoise | 1 Roscolene #874 & 1 Roscolene #856 |
| Blue | 2 Roscolene #856 |
| Indigo | 1 Lee #119 & 1 Lee #195 |
| Violet | 1 Lee #113 & 2 Lee #119 |
| Purple | 2 Gamcolor #375 & 2 Gamcolor #940 |
| Magenta | 1 Gamcolor #220 & 1 Lee #181 |
| Scarlet | 1 Roscolux #20 & 1 Gamcolor #945 |

After all the work I put into this, I would welcome anyone to do better. The weakest in this set is purple. Scarlet is OK. The rest are very good. But don't take my word for it. You can duplicate my tests by looking at a rainbow through these color filters. The rainbow maker I use is the Rainbow Flasher™ by Laser Light Designs, 2412 Kennedy Way, Antioch, Ca. 94509 (\$6.00). All the above color filters are available at: TVI, 5426 Fair Ave, N. Hollywood, Ca. 91601. A typical 20" x 24" sheet is about \$4.00. Complete sets of 5" x 6" color filters made up as sets will be available from BSRF for \$50.00.

That's it for 1989. Happy Holidays!



VIEW From The Borderlands...

By Tom Brown

TRUE BORDERLAND ENCOUNTERS

When getting on the airport bus to leave the Global Sciences Conference this August a gentleman named Bob Moore, who was helping the Stoniers with the conference, came rushing up to us. He said that he had a strong impression that we should delay our flight, that there was something wrong with our airplane. Now, what does one do when told this on the way to the airport? My rational mind naturally got mad and rejected the information, but Bob was sincere and I knew that he was speaking a Truth that he had seen. While my mind didn't accept his data, my heart knew that something was up. But what?

These days if you cancel your flight you lose what you paid. To get another flight you spend more cash. Such are the wonders of our society, which we are told is now more oriented toward service (can't go to the bathrooms in gas stations anymore either in our new "service" society). So on the way to the airport Alison and I were wondering what to think, and figuring how we felt.

Being a fatalist at heart, and not really having many hundreds of extra dollars to spend on another flight, if we could have gotten one in Denver's busy airport on a Sunday afternoon, we checked in for our flight. The flight was already delayed for 5 - 10 minutes, so I felt that something was working in our favor. Bob had said "delay" your flight, he actually hadn't said "change" it. I rationalized that the delay was going to make everything OK.

I didn't feel any coming dread by getting on the plane, but Alison did. Anyway, the flight ended up sitting at the gate for one and a half hours while a gauge was checked. We were told that as soon as a new gauge was installed that the flight would take off. Having been an aircraft electrician in the US Marines I knew that an hour and a half was a bit long to change a gauge. While sitting in the plane for over an hour I was running all the possible scenarios

through my mind of aborted takeoffs, falling engines, etc that are constantly read about in the paper. (There were a few plane crashes that weekend around the world, and they always seem to come in bunches.)

The pilot came on the intercom and said that the flight was cancelled, the plane wouldn't fly. As we were walking out the aisle to disembark I overheard someone who had been speaking with the pilot. The person said that the pilot had a "hunch" that something was wrong, and they were searching to find it, which they eventually did.

Thanks for the warning Bob.

LIGHT AND COLOR

I can't refrain from making a few comments about Peter Lindemann's *FIZIX KORNER* in this issue. Having spent several years studying and meditating with five tuned glass "Dinshah" slides I admit to having difficulty "accepting" Peter's view. Not that I can refute it, I can't -- Peter has done an excellent piece of work on this. We have been bouncing ideas on color around for many years. I'm impressed with his new set of slides, they definitely make up 12 colors of a full color circle, first schematically brought to our modern consciousness by Goethe.

Peter is no doubt correct in his conceptions of "subtraction." But I still see Magenta, Purple, and Scarlet when the glass slides are mixed properly. Dinshah P. Ghadiali said that what you see is not important, it is the radiant energy coming through. I get the feeling that there is more to it all, but I don't know exactly where to look at this point. It is my sincere hope that Peter's column will stimulate more people to investigate this phenomenon. There is more to color than we can see and we hope to continue an intelligent discourse on this in this Journal. Other views are most welcome.

Our perceptions of color, light, the sun, etc. are funda-

mental actions of our soul. The closer we get to understanding them, the closer we get to understanding ourselves. Our death-oriented modern culture sees the sun as a nuclear reaction -- it has placed the most deadly force on our planet onto its perceptions of our living source of energy. Goethe's scientific work into color, expanded upon by Dr. Rudolf Steiner in his brilliant Light Course, clearly shows that color forms on the boundaries between light and dark. Modern science, based on Newton's partial experiment, sees all color as coming from light. Modern scientific method misses the basic understandings of primary natural phenomena, and instead take pieces of nature inside the labs to dissect and probe, as Newton brought a tiny slit of light into his lab to work with. Truly understanding light and color and their effects on living systems will awaken one to incredible new vistas of thought.

MWO NOTES

The work of Georges Lakhovsky continues to be of strong interest. I have been investigating the Lakhovsky MWO for about four years now and my views have consistently changed with new information. BSRF's *MWO Handbook* is getting so popular that it is now coming out in paperback! However, my views have changed somewhat since doing that book, and eventually a new edition will have to be put out to keep up with the new data.

What was Lakhovsky really up to? Well, his basic experiments were with copper wires which were circled around plants. Lakhovsky felt that these rings were activated by cosmic radiation. Lakhovsky was extremely interested in *subtle* energies, such as those that guided birds on their migrations. The copper rings, when placed around plants, would heal cancers in the plants. *The Secret Of Life*, Lakhovsky's best known book in English shows pictures of these experiments. Lakhovsky then moved to bring these healing energies to humans.

Lakhovsky also intuited the DNA spiral coil in the center of every cell long before anyone "discovered" it. He felt that a properly generated multiple wave electrical field would make the coil in each cell resonate at its proper frequency, just as a tuning fork resonates when its frequency is struck on a nearby similar fork.

Today's conceptions of a Multiple Wave Oscillator (MWO) are quite different from what Lakhovsky was really doing. Lakhovsky tried to reproduce the healing energies of the cosmos by electrically energizing coils to produce energy fields which apparently regenerated aberrant cells along the lines of his theories. Lakhovsky first did this by producing an antenna, comprised of concentric copper tubes, the outer one being energized with two wires from his power source. Our impression of his antennas is that they were *log periodic*, that is logarithmic in nature (Lakhovsky doesn't come right out and say this, but his patents are definitely worded to cover such an arrangement). New data coming in (but not yet verified) tells us

that these copper tubes were filled with one or more of the noble gasses (also called rare, or inert gasses).

As anyone could guess, these antennas would be somewhat hard to manufacture. Lakhovsky then miniaturized the antenna and inserted it in a gas bulb. His patent (#2,351,055) says vacuum bulb, but this would also cover low pressure gasses. There are two main keys here. One is the log periodic antenna. All higher forms of life are based on logarithmic patterns, from ferns to humans. Lakhovsky was creating a structure in the ether which would bring cells into proper functioning. The other is the vacuum / low pressure gas effect. For those who wish to understand the potent effect of the vacuum on life then the reading of *The Nature Of Substance* by Rudolf Hauschka is required. According to Walter Russell the noble gasses are the octave markers in the harmonic spiral of the elements, which also exists in a logarithmic pattern.

Alison and I recently visited with Dr. Norman McVay of Stinson Beach, California. Norman has several high frequency gas tubes built trying to understand what Lakhovsky and Royal R. Rife were up to. Norman has a MWO built of 12 glass concentric rings with various noble gasses inserted in them. When we checked it out it was running at 60 cycles, pulsed at 7.8 cycles. My recommendation to Norman was to run the unit with a radio-frequency oscillator which can be tuned from 1 to 30 megacycles, and modulated with a variety of sources for research. Norman has produced the most unique MWO I've seen in our modern times, and he is certainly on the right track. He is also working to reproduce Rife's high-frequency gas bulbs.

The key to Royal R. Rife's frequency instrument is also the use of the noble gasses energized at high frequency (possibly 4.5 megacycles), which were then modulated with specific musical tones. Lakhovsky's units were energized similarly, but used the frequency-independent log periodic antennas, giving a broad band of treatment, rather than the specifics of Rife's units. In many ways these two pioneers were working with the same keys.

WHO DUNNIT?

Rife and Lakhovsky have another similarity, that is, that people today are building equipment obliquely related to their work and offering them as original, or "improvements." This needs serious examination.

The last two years has brought on an underground cult of so called "Rife Frequency Generators." There are hordes of these so-called "Rife" units being sold which are merely fancy variations of TENS (Transcutaneous Electrical Nerve Stimulation) devices. The conception for these units, usually producing square audio waves, comes from John Crane who knew and worked with Rife in his later years. John has affidavits from people who swear that they were healed from cancers and such by his square wave units in the early 1960's. It is extremely important to note that Rife's work in the 1930's through the 1950's was with high

frequency gas tubes and all his documentation covers those units. History is rapidly becoming blurred in the race to cash in on people's poor health.

Modern purveyors of the so-called "Rife" equipment are making several errors: The first is that they claim that Rife developed the use of the square wave generators with electrodes—that is incorrect, it was John Crane (which makes Crane a pioneer of TENS research!). The second is that they claim that Crane's equipment was junk and would never work. Maybe the equipment wasn't of the highest quality (we have an original unit in our collection!) — but Crane does have a lot of signed affidavits, several of them in our files, claiming that the units worked on specific diseases. In general, people are being misled in order to sell them equipment they probably don't need. That is a bad reflection on the field of electro-therapeutic research.

Perhaps these modern "Rife" (TENS) units have some merit in killing certain types of pathogens. I've spoken with many people who were completely dissatisfied with their so-called "Rife" units, and I've spoken with two people who have *claimed* that they have killed infections such as foot rot and herpes. Maybe they do, but for all of the thousands of devices being put out — where is the documentation? Where is the proof? I have seen Crane's affidavits of the early 1960's, but have seen no medical studies from anyone, not even basic notes!!! There is obviously a very important bit of work to do in researching the effects of pulsed DC on the human body. TENS units kill pain, that has been clinically documented. The claims of the so-called "Rife" units are just that — claims, and unsubstantiated to boot. Until any substantial research work is done in this area I would recommend that people do not follow the mob hysteria which shrewd hucksters have instigated over Royal R. Rife's work.

Lakhovsky's story is similar. All the units being built today are based on Bob Beck's early 1960's interpretation of Lakhovsky's first patent (#1,962,565). After four years of looking at these devices and reading Lakhovsky's patents and books I've come to the conclusion that Bob was misled by the patent. From an electrical engineer's viewpoint Bob's units make sense. From the standpoint of understanding subtle energies within and surrounding the body the units are merely RF noise generators which have questionable effects on the body, and most likely interfere with natural energetic processes (chi flow, etc.). The Beck MWO is a variation of one of Tesla's electro-therapeutic devices, the variation being that Tesla went to great pains to make the antennas spark-proof, and Beck's antennas spark away. Lakhovsky's units didn't spark either!

What makes this more interesting is an article which appeared some months ago in the *Health Freedom News*, titled *Who Dunnit?* by Mike Brown. Mike gives a weak case for his view that Lakhovsky was inept, that his earlier units didn't work, and who needed Tesla to fix them up and make them work. Perhaps Mike didn't notice that Lakhovsky's

Secret Of Life, which he sells to promote his units (in the ad following the article), is based on the units he claims in the article didn't work! Mike refers readers to Tesla's article *High Frequency Oscillators For Electro-Therapeutic And Other Purposes* (Lectures, Patents, Articles, Nikola Tesla, Beograd, 1956), but fails to notice that Tesla's article contradicts what he is doing with his units. I wonder how that article got past the editors?

CORRECT DIRECTIONS

Lakhovsky was a brilliant scientist highly regarded on the European continent. His name comes up in many books, most recently I found him referenced in Lilly Kolisko's *Agriculture of Tomorrow*. If he and Tesla met, I'm sure it was for more than to fix poorly engineered units.

There are three types of units that I feel should be built for research into this area:

One is Tesla's oscillator circuit. The higher quality Beck MWO units, such as those built by Klark Kent, can be converted fairly easily. Use the unit's power supply as is, but for antennas use insulated copper plates (or spheres, as Tesla preferred for maximum effect) coated with heavy dielectric material such as beeswax. Eliminate the sparking! A necessary design change for future units will be to change the 1/4 wave coil to 1/2 wave.

The second is a reproduction of Lakhovsky's Tube MWO. I have been interacting with several people trying to get this together. It will take miniaturizing the Golden Ratio antennas that Eric Dollard designed for the MWO and inserting them into low-pressure rare gas bulbs, which will then be driven at high frequencies. It is my estimation that this is the best way to pursue Lakhovsky's high frequency researches. The mathematics for the antenna, along with further reference materials on log periodic antennas, are BSRF's *The Lakhovsky MWO Handbook*.

The third is a reproduction of Rife's original type of equipment being a rare gas bulb driven at high frequencies, modulated with musical tones. This will take RF broadcast equipment and a rare gas tube. No electrodes!

It is time that researchers in this area begin to go in the correct direction. Bob Beck made a noble effort in the early 1960's with his conception of the MWO, and gave people something to work with for 25 years. That phase is definitely over and a new one beginning.

The "Rife generator" craze should be stopped now before it takes people another 25 years to find they've been misled. Serious research into the effects of pulsed DC should be undertaken by those with the wherewithal.

And keep it uppermost in your mind that electricity is a sub-sensible force. In the borderland sciences one should look to the supersensible, such as Dr. Wilhelm Reich's orgone energy (which, by the way, reacts to electricity in such a way that makes it detrimental to the human body), and the human vital energy such as is utilized in Biocircuit research (as begun by L.E. Eeman).

B.S.R.F. BULLETIN BOARD

The B.S.R.F. Bulletin Board is a section for Letters, Reviews, Events, Contacts & other useful information for Borderland Members to aid in their researches. We encourage BSRF Members to submit contributions & information to B.S.R.F. Bulletin Board, PO Box 429, Garberville CA 95440. Letters should be addressed to LETTERS TO THE EDITOR, c/o the above address.

LETTERS

DESERT EXPEDITION

"Enjoyed the account of the Desert Expedition greatly. Hope you will be able to make another one soon. All the best,"

Amina Phillips,
Tujunga, California

We're glad you enjoyed our report. We received many calls and notes that this was an enjoyable depiction of our expedition. While at the recent BioDynamic conference there was mention of Rudolf Steiner's indications that the continents were vast animals in earlier stages of earth's development. This tied in closely with my feelings that I got from the rock formations themselves. We do hope to be able to make more such expeditions and hopefully develop a higher quality record on film.

NEUTRAL LINE

"I was surprised that Peter Lindemann didn't use the term 'Bolch Wall effect' in describing the discovery of the neutral or Laya point on a bar magnet in FIZIX KORNER, July-August 1989 JBR. An illustration from a Davis-Rawls book would also have helped the reader understand better what Peter was talking about."

Riley Crabb
Orewa, New Zealand

Glad to get the further input on the neutral line effect. The books by Albert Roy Davis and Walter C. Rawls, Jr. are available through the BSRF catalog, for those who are interested in research on the effects of magnetism on the living system. The illustration here is from *MAGNETISM and Its Effects On The Living System* by Davis & Rawls, (published by Acres, U.S.A., Kansas City, MO) and available through BSRF for \$13.95 plus P&H.

THAT BALL BEARING MOTOR AGAIN

"A few comments on my own operation of Peter Lin-

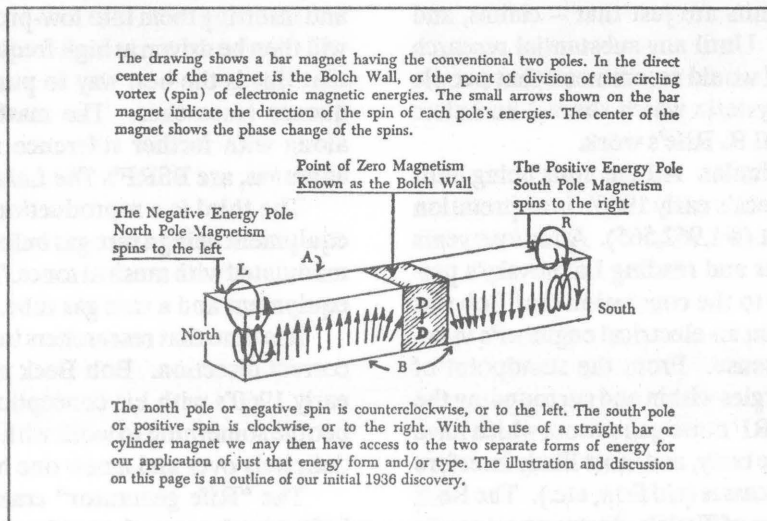
demann's ball bearing motor. Yes, my friends and I are truly amazed/aghast that it works at all. I found that once the 'motor' has been warmed up--which, as you note, happens rather quickly--the device then indeed does have enough starting torque to begin running again with no assist to the shaft. Also, I find that with repeated starts, the shaft arbitrarily begins turning in either direction, regardless of polarity.

"One question on your data: if you were using a 12 volt car battery, how come you only measured 2.5 volts in operation? No doubt you were curious as I was to see the results of converting the 'motor' to a 'generator.' Did you also find that by driving the shaft--I used a belt & pulleys--nothing comes out of the bearing races? Too bad. It would be useful to do some serious testing on this motor to determine the outer parameters or limits of the performance envelope in terms of minimum/maximum voltage and amperage, bearing and shaft size, etc. Perhaps then one could correct the shameless inefficiency: and assess more realistically its potential to threaten the copper windings industry.

"I admit feeling a little confused after reading first an unfavorable followed by a favorable review on James DeMeo's written works (May-June and July-August 89 JBRs). It is sadly dismaying if DeMeo indeed dismisses Rudolf Steiner as a mere 'mystic.' Trevor Constable's work has been invaluable by juxtaposing Steiner's insights onto orthodox or-gonomy."

Viva Schauburger, Ron Stinnett
Santa Rosa, California

The ball-bearing motor article got many people working on actual models. It is truly an astounding effect. There is a voltage drop of about 2.5 volts across the circuit because of resistance due to the circuit being a dead short in the bearing system. 2.5 volts is the voltage drop across that amount of resistance. With a current source like a



battery hooked up across a dead short voltage will drop as current flows. It can't generate because of no magnetic field, so that it operates with no back torque. Even when the device is motoring it is not generating. The torque goes up as the diameter of the unit increases. For example try an inverted design. Take two shaft studs and put one in the end of each bearing & put a copper tube over the outside of the two bearing races (the bearings then rotate with the outside tube). Connect the current to the shaft studs. The same amount of voltage used in the first configuration produces more torque in the second.

Concerning Jim DeMeo's works, he has done an intensive job of investigating Reich's orgone physics. He is what you could call an "orthodox orgonomist." *PULSE OF THE PLANET* magazine was very well done. His research papers on cloudbusting are worth reading if you are researching this area. His *ORGONE ENERGY HANDBOOK* has been sold out and is being done into paperback. It is a very good book for those who wish to build orgone boxes, blankets, shooters, and want a straight story on the basics of orgone energy. Concerning his book *SO YOU WANT TO BUILD A CLOUDBUSTER* all I can say is that people should stay with what they know and not attack that which they are incapable of grasping.

AC DISK DYNAMO

"After viewing your *FREE ENERGY RESEARCH* video I decided to try to duplicate the rotary AC Disk Dynamo, but came across some difficulty.

"Are the magnets to be oriented on the disk up & down or out from the axis of rotation? Also, should the ends of the 'many turns of fine wire' that are wrapped around the disk and magnets be connected to the disk plate in any special manner or to each other? (just connected together) Lastly, I am using 3/16" aluminum for both disk plates, does the thickness matter? What if one of the disks is plexyglass?"

Bob Baird
Parma, Ohio

The magnets are mounted out from the axis of rotation with the result of four poles facing (touching) the plate from four magnets, arranged N-S-N-S. The poles of the magnets are in line with the axis of rotation. The wire around the magnets was used simply as a mechanical brace to keep the magnets from flinging into space. It is not part of the electrical circuitry. The original was built with copper plates. As far as aluminum goes -- give it a try and see if you detect any currents. The resistance of copper is lower than aluminum. Because the device is so low power, thickness is not a major issue until the plate gets somewhat thicker. The back plate could conceivably be plexyglass -- give it a try and see. As it mainly acts as a mechanical hold for the magnets on the front plate it could potentially be any material. You should even try using as a second conducting disc -- see if you get more power. The AC Disk

generator behavior strongly suggests that in spite of the disk being a complete short circuit during rotation each point on the disk appears to behave independently, as if it were not connected to the other points, with zero resistance between them, i.e. no voltage drop!

The AC Disk Dynamo needs further research to find out the quantity of output, effects of different magnetic configurations, cause of the energy effect, and other important parameters.

There are also mysteries of the short circuit to be probed in the ball bearing motor. Peter says that the short circuit effects are what have researchers excited about these types of motors and generators.

THE RIFE FREQUENCY GENERATOR

"I will appreciate in knowing if you offer for sale plans that describe how to build the Rife frequency generator, or something very similar to the Rife generator. If not, can you please inform where I may be able to purchase same.

"Thank you."

Leonard Annunziato
Waterbury, Conn.

We have received many dozens of letters and phone calls concerning this subject. We rejected these plans for publication over a year ago for one simple reason -- Rife never built any equipment like the pulsed DC generators with electrodes being sold today with his name on them. Don't be misled by errors of history. See *VIEW FROM THE BORDERLANDS* this issue for more information. If you want to build a real Rife generator get a high frequency RF generator that can be modulated with audio signals, a rare gas bulb and start researching. If you want to study the effects of pulsed DC on the system and are looking to build equipment then get an electronic design handbook. You can build for less than \$100 what people are selling for \$1800 and more.

RECEIVED

This is a list of materials received for review. BSRF members who would like to do longer reviews of books listed can contact BSRF for more information.

* **THE PLENUM**, Vol. 1, No. 2, a publication of Vanguard Sciences, PO Box 1031, Mesquite, Texas 75150. This is a new publication and a lot of diverse subjects are covered: A report on the 2nd Int. Keely Symposium, AIDS updates; Disease in the Body (Bechamp's theories); Orgone Experiment; Air Powered Autos; the Polarograph, a "new" diagnostic tool; Notes on the Keely Airship (demonstrated to the US War Department in 1896); the Eskeli Thermodynamic Engine; and various contacts. Vanguard Sciences has also begun the KeelyNet (computer) Bulletin Board 1-214-324-3501, operating at 300, 1200 and 2400 BAUD. The primary function of which is the distribution of text files. The categories for the KeelyNet include Biology,

Free Energy, Gravity, UFOs, KeelyNotes, Contacts, and general information.

* **PHOTON DEFINED SPECIAL RELATIVITY REFUTED ELECTRON SELF-FIELD STABILIZED**, A Treatise by John Frank Johnson, published by Royal Publishing Co., 137 Campbell Avenue, Roanoke, VA 24011. This one was a bit above my head, but looks like a book that serious energy researchers should look into. We'll be passing our copy on to someone who can read pages of equations and hopefully get an English language report in return. \$50

* **PsychoEnergetics Fitness Cards**, from Psycho Physics Labs, c/o Buryl Payne, 848 Walnut Ave, Santa Cruz, CA 95060, phone (408) 423-8151. This is a deck of unnumbered cards where each card has a special energizing exercise. Each day you draw four cards and do the exercises. This is a most interesting concept as it combines divination with the involvement of your physical being. These cards will add to your daily exercises and meditation and will also make a great gift. \$15.95 + \$2.50 P&H. Psycho Physics Labs also publishes *BioMeditation - The Scientific Way to Use the Energy of Your Mind* by Buryl Payne, a book on biofeedback and meditation. Buryl has written *THE BODY MAGNETIC* which is currently being reprinted, and he has been sending us his materials on planetary positions and sunspots. Buryl is also doing a one day workshop Saturday Dec 2, 1989 on the physics of astrology at the above address, cost is \$50. Write or call for more information.

* **AFU Newsletter** from Archives for UFO Research, PO Box 11027, S-600 11 Norrköping, SWEDEN. Borderland has been exchanging publications with this group for many years. It is mostly in Swedish (naturally), but has several articles each issue in English. Issue #33 has an expose of the famous Swedish contact case of 1959. This is a case wherein two young men claimed to have seen a saucer parked on a roadside that tried to suck them in using some sort of force field. This was reported in the US in the *APRO Bulletin*, *FATE*, and *Saucerian Bulletin*. Thorough research has shown it to have been a manufactured story.

* **KEELY'S SECRETS** with Photographs, compiled by Dale Pond, published by Delta Spectrum Research, 1309 N. Chestnut, Colorado Springs, CO 80905, (719) 473-8852. This book contains the writings of Clara Bloomfield-Moore, Laurence Oliphant, Nikola Tesla, R. Harte, Louise Off, and John Keely. An interesting and coherent book on the Keely enigma. \$11.95 + \$2 P&H. Also send \$2 for DSR's latest catalog of materials. Dale Pond has done a very good job of compiling books and data on Keely's work, and also publishes the newsletter *Sympathetic Vibratory Physics*, devoted to the investigation, study, and practical application of natural and spiritual laws. Subscriptions are US\$24, foreign US\$32.

* **CHRYSTECH VORTENNA** from Chrystech, Box 410, Oracle AZ 85623. This is an interesting printed circuit antenna which has a Mogen David consisting of many lines. It is used in subtle energy research in "creating, balancing, and amplifying vortexes." It also has electrical hookups for putting current through it. Price is \$25. Send for more info. This brings to mind the *Hiranya* experiments from Japan, wherein the six sided star pattern was shown to have the similar effects as a pyramid, such as preventing milk from curdling.

* **IMPOSSIBLE HUMAN CENTER NEWSLETTER**, PO Box 5271, Ft. Lauderdale, FL 33310. An interesting newsletter, the latest issues cover Biodynamic Farming, Biogas Digesters, Electromagnetic Therapy, Wireless Power, Electromagnetic Pulse, Amazon Herbal Therapy, Hypnosis, Reptile Farming, and more. Six issues for \$12.

* **TUNING IN**, c/o Free Energy Connection, PO Box 255, Ivanhoe, Vic. 3079, AUSTRALIA. This is a new newsletter which contains some interesting information. There is a story of the editor's quest for an Australian car that runs on hydrogen -- he finds it and finds that the inventor can't get the product to the public due to external circumstances. A major portion of the issue is devoted to *The New Electromagnetics & Secrets of Electrical Free Energy* by T.E. Bearden. When this information first came out in the US a few years back it created quite a stir. Years later serious researchers are quite disillusioned with this type of material. It really amounts to nothing more than speculation combined with off-center political propaganda in areas that divert attention from Tesla's real work. It certainly does not contain any free energy secrets. However this newsletter is young and the editor may see the light in the long run -- he is looking for active researchers to contribute. We wish him the best on his new project! 12 issues in Australia are A\$25, foreign A\$45.

CONTACTS

This is the section where researchers may contact those of like mind or seek out sources of information. We also list various mailers received. Please be kind and considerate and send a buck or two when writing for information.

* **CALL FOR PAPERS** for the 1990 Tesla Symposium, July 26-29, 1990, Colorado Springs, CO. Contact the International Tesla Society, 330-A West Uintah, Suite 215, Colorado Springs, Colorado, (719) 392-6404.

* **ATLANTIS RISING, 29096 Franklin Hills, #211, Southfield, MI 48034**, presents *GENESIS... A Seventeen Day Journey to Egypt* with Doug Benjamin, April 6-22, 1990. Sites of interest include the Great Pyramid, Sphinx, Solar Boat, Step Pyramid, Egyptian Museum of Antiquities, Sun Temple of Akhenaten, The Temples of Aswan, Karnak & Luxor, Tutankamen's Tomb, and more.

* **UFO AWARENESS SOCIETY**, 1082 E. El Camino Real, Suite 5-385, Sunnyvale CA 94087, (415) 359-9764.

We just received a copy of their new UFO Directory listing publishers, newsletters, books, videos, etc. Good source-book, cost \$3.

* **BULLETIN OF LATERAL THOUGHT (BoLT)**, is a new venture that provides a forum for the presentation of research being performed in non-traditional fields of thought. For info contact Ms. Alison Sorti, Editor, PO Box 1578, Candler, NC 28715

* **ROSEMARY'S GARDEN**, PO Box 1940, Redway, CA 95560. A source for herbal products such as herbs, teas, cosmetics, oils, shampoos, soaps, culinary blends, candles, incense, books and more. Comprehensive catalog for \$1.

* **EDMUND SCIENTIFIC**, 101 E. Gloucester Pike, Barrington NJ 08007-1380, phone (609) 547-8880. A source for research equipment of all types. We get many requests for this address and here it is. Send \$3 for current catalog.

* **PINKERTON SCIENTIFIC**, PO Box 27, Petrolia, CA 95558, (707) 629-3527. Specializing in high quality, low cost scientific research equipment, prisms, weather instruments, scales, stethoscopes, scales, hot air balloons, gyroscopes, and much more.

* **MOUNTAIN ARK TRADING COMPANY**, South East Avenue, Fayetteville, Arkansas 72601, (800) 643-8909. Specializing in Macrobiotic, Organic Foods, Cookware, Water Filters, Books, Rock Dust, and more.

* **LITHODOMES**, PO Box 3439, West Sedona, Arizona 86340, (602) 282-4448. These are low cost, superstrength, lightweight concrete shells which have incredible potential for habitation and other building uses.

* **TECHNICIANS OF THE SACRED**, Suite 310, 1317 N. San Fernando Blvd, Burbank, CA 91504. Dedicated to the practice and preservation of Voudoun and other Neo-African religious systems. Publishes *Société Journal of Neo-African Religions*, and is a source for African religious & magical supplies. Comprehensive catalog of supplies, books, oils, music, esoteric tapes, temple & church goods, holy cards and more for \$7.50

* **LUCIDITY LETTER**, Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50614-0505. Source for research information on the experience of consciousness during sleep. Articles range from personal experiences with dream lucidity to scholarly reports of the latest scientific experiments on consciousness in sleep. Yearly subscriptions are \$25 US, \$30 foreign (surface).

* **SAN FRANCISCO MEDICAL RESEARCH FOUNDATION**, 49 Summit Street, San Anselmo, CA 94960, (415) 258-9734. A non-profit educational research foundation dedicated to researching and demonstrating the reversibility of degenerative diseases upon the human organism. It is the philosophy of the SFMRF that aging and degeneration are processes which through knowledge may be understood, controlled and reversed.

PYRAMID GUIDES

In cooperation with Life Understanding Foundation, recently moved from Santa Barbara, California to the state of Washington (new address when we get it), BSRF has available 50 full sets (9 years worth) of the *Pyramid Guide*, edited by Bill Cox. The *Pyramid Guide* covered an extremely wide range of borderland subjects and are a valuable source of information. Retail price is \$55 per set, they are available to Borderland members at 40% discount --> \$33/set + \$3 postage and handling. Don't miss this opportunity to get this valuable research resource.

PUBLICATION ANNOUNCEMENT

A tentative publication date of March 21, 1990 has been set for the release of the new edition of *THE COSMIC PULSE OF LIFE* by Trevor James Constable. Through agreement with the author and the original publisher, Merlin Press, this book will be issued under the BSRF imprint. This classic, first published in 1976, is now a sought after treasure for the borderland researcher. All of us at BSRF are pleased to be making this book more readily available for the earnest seeker of knowledge.

1st INTERNATIONAL BORDERLAND SCIENCES CONGRESS

Mark you calendars for June 14-17, 1990 and plan on being in Santa Barbara for the 1st International Borderland Sciences Congress. It will be held at the Miramar Hotel on the beautiful Pacific Ocean.

Trevor James Constable will be the keynote speaker! We are working to bring a wide range of Borderland topics together in one event. Other confirmed speakers at this point are Leslie Patten, BioCircuits - Amazing New Tools For Energy Health; Donald Hosier, New Insights Into Homeopathy; Alison Davidson, The Working of the Stars in Earthly Substances; Peter Lindemann, to be announced; Tom Brown, A New Scientific Impulse; Walter & Rhett Baumgartner, Vortex Research; and, Jorge Resines, to be announced. We are in contact with many other speakers but have not confirmed them at present. The intent is to get speakers who are doing actual research and have new and useful information to report on.

If you are interested in obtaining a display booth then contact Peter Lindemann, 3463 State #264, Santa Barbara, 93105, (805) 966-5058.

The cost of the convention to BSRF members will be \$175 which includes the Saturday night banquet and keynote speech. A \$50 deposit will be taken to reserve your place. Early sign-up fee is \$150 when paid in full by February 28, 1990. A \$20 surcharge will be added for non-members who want to attend but do not wish to join.

The reservation number for those staying at the Miramar Hotel is 1-800-322-6985. Next issue we will have further data on other area hotels and motels.

More details will be in the Jan-Feb 1990 JBR.



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BSRF PAPERBACK BOOKS

MY SEARCH FOR RADIONIC TRUTHS by R. Murray Denning. This book covers Murray's recovery from an "incurable" ailment through contact with healers practicing the radionic arts. This led him on a search for the underlying reality from which radionics partakes. In this book you will meet some of the well known and some of the lesser known adherents of radionics and closely related fields. Albert Abrams, Ruth Drown, Mary M. Leigh, Georges Lakhovsky, Darrell Butcher, Dinshah Ghadiali, George Crile, S.W. Tromp, etc. This book presents a unique view by an active participant of many years in England. In this enlightening treatise on the subtle energy healing art of Radionics the author describes his 25 year search into the works of eminent Radionic scholars and pioneers of the past, and presents the 'lost' knowledge he has preserved. Contains historic photos and descriptions of rare and unique Radionic equipment and also encompasses many related fields such as dowsing, color therapy, numerology, yoga and alchemy. 120 pp, paperback. ISBN 0-945685-01-7 \$9.95

LITHIUM & Lithium Crystals - Nature in Harmony by Haroldine. This is the record of the Lithium Project of Lithium Laboratories, Ltd. It contains the widest range of information in print on Lithium, the first solid element. Contents include: What is Lithium?; The Ultimate Compound; The Ugly Duckling or Cinderella Chemical - Lithium Salts; Various Uses of Lithium; Crystal Structure - the Key to an Instrument that Heals; Minerals (extensive chapter on the many Lithium Crystals and Compounds found worldwide); Toward Human Perfection; Water = Liquid Crystals; Systemic Stabilization; with an Addendum and Bibliography. This is a most thorough and enlightening book and also includes radionic rates for Lithium minerals. 130 pp, paperback. ISBN 0-945685-02-5 \$9.95

THE LAKHOVSKY MULTIPLE WAVE OSCILLATOR HANDBOOK BSRF Director Tom Brown has compiled and edited the Borderland MWO file, spanning over 50 years of documentation, into the most complete document available on Lakhovsky's work and its offshoots. Contents: Researches of Borderland Associates reported in the *Journal of Borderland Research* (1963 to 1987) with comments by Riley Crabb & Tom Brown; *The Russian Rejuvenation Machine* by Bob Beck; *Regenerating Oscillating Circuits* by Mark Clement; *Tesla's Giant Oscillator*; Updates on the Beck Circuits by Klark Kent & others; Notes on the original Lakhovsky Oscillator by Eric Dollard; Comments on the relationship between the MWO & Orgone Accumulators by Trevor Constable; The Lakhovsky MWO in India by Dr. A.K. Battacharya; High Powered & Transistorized MWO Circuitry; Lakhovsky's Vibratory Circle; *Radiations & Waves* by Lakhovsky; Lakhovsky's US Patents (MWO, Tube MWO, & Microphone/Speaker Assembly); *High Frequency Oscillators for Electro-Therapeutic & Other Purposes* by Nikola Tesla; The Magnetic Arc Instrument of S.S. Night; Upgrading Cellular Activity With Electro-Magnetism; and information on Shortwaves in Medicine & Log Periodic Antennas. 160 pp, perfectbound. ISBN 0-945685-03-3 \$16.95

THE EYE OF REVELATION: The Original Five Tibetan Rites of Rejuvenation by Peter Kelder. The Five Rites of Rejuvenation outlined and explained in this book have been known and used in Himalayan monasteries for thousands of years. They are a necessary part of the strengthening and alignment of the physical and etheric bodies in preparation for the strenuous spiritual work of a dedicated Server and Initiate. The intelligent and regular use of these Rites does stem the tide of premature old age because they stimulate the flow of human vital energy, the long sought after "Fountain of Youth". If Ponce de Leon had learned of these Rites in Europe, and used them regularly, it would have saved him a fruitless trip to Florida. Discover for yourself the secrets within! saddle binding. ISBN 0-945685-04-1 \$3.95

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