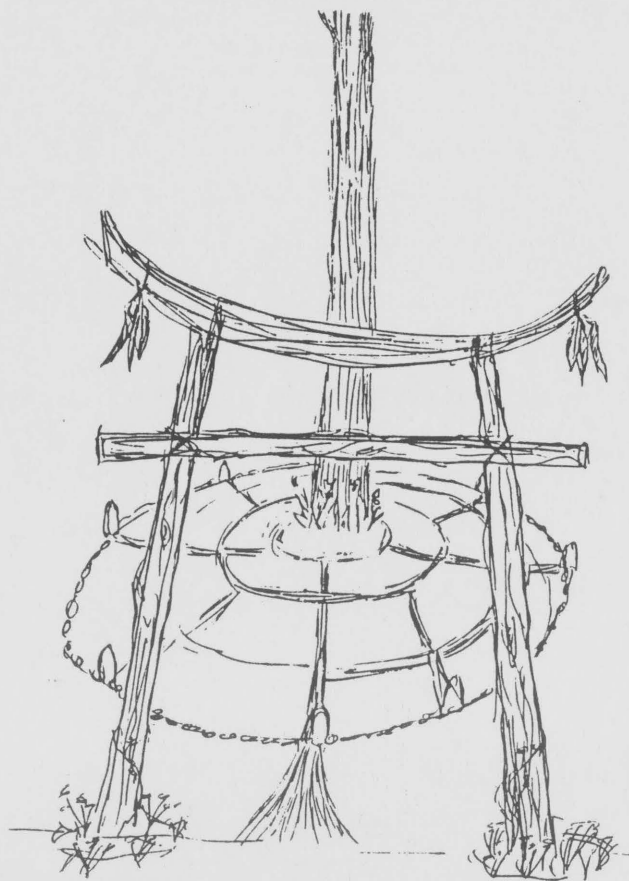


# The Journal of Borderland Research

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*THE BORDERLAND GARDEN*

# The Journal of Borderland Research

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# INTRODUCTION TO **BREAD FROM STONES**

By Dr. Raymond Bernard<sup>1</sup>

Dr. Julius Hensel was the greatest figure in the history of agricultural chemistry even if his powerful enemies, members of the octopus chemical fertilizer trust, have succeeded in suppressing his memory, destroying his books and getting his Stone Meal fertilizer off the market. But eventually the truth comes to the fore, and its enemies are vanquished. Julius Hensel's pioneer work in opposing the use of chemicals in agriculture, half a century later, found rebirth in the Organic Movement which has swept through the world. But Hensel is more modern than the most modern agricultural reformer, for he claimed, on the basis of theoretical chemical considerations, and supported by practical tests, that his Stone Meal can replace not only chemical fertilizers but all animal ones as well.

It was the German agricultural chemist Liebig who first put forward the phosphorus-potash-nitrogen theory of chemical fertilization. This false doctrine Hensel bitterly attacked and in so doing, won the ire of the financial interests behind the sale of chemical fertilizers, which used agricultural authorities and university professors to denounce poor Hensel as a charlatan and his Stone Meal as worthless.

Though his fight against chemical fertilizers was a losing battle and he died as a defeated hero, it took a generation for Hensel's efforts to bear fruit in the modern Organic Movement, which has not given its founder the credit due him.

The fight between Liebig, advocate of one-sided chemical fertilization, and Hensel, who advocated a more balanced form of plant nutrition, including the trace minerals which Liebig completely overlooked, was a battle between an opportunist, who sought to further the sale of chemical fertilizers, and a true scientist, interested in humanity's welfare. Though Liebig, with the Chemical Trust behind him, won the battle, Hensel's ideas finally triumphed long several decades after his passing.

Liebig claimed that plants require three main elements - nitrogen, phosphorus and potash - on the basis of which conception chemical fertilizers were manufactured that supplied these elements. On the other hand, Hensel claimed that plants need many more than these three major elements, stressing the importance of the trace minerals, which at that time were ignored. In place of chemical fertilizers, supplying only three elements in an unnatural, caustic form, Hensel recommended the bland minerals of pulverized rocks, especially granite, a primordial rock which contains the main trace minerals that meet all needs of plant nutrition. Hensel first made his discovery of powdered rock fertilization when he was a miller. One day, while

milling grain, he noticed that some stones were mixed with it and ground into a meal. He sprinkled this stone meal over the soil of his garden and was surprised to note how the vegetables took on a new, more vigorous growth. This led him to repeat the experiment by grinding more stones and applying the stone meal to fruit trees. Much to his surprise, apple trees that formerly bore wormy, imperfect fruit now produced fine quality fruit free from worms. Also vegetables fertilized by stone meal were free from insect pests and diseases. It seemed to be a complete plant food, which produced fine vegetables even in the poorest soil.

Encouraged by these results, Hensel put his "Stone Meal" on the market, and wrote extensively on its superiority over chemical fertilizers, while at the same time opposing the use of animal manure, and the nitrogen theory on which it is based, claiming that when plants are supplied with Stone Meal, plenty of water, air and sunshine they will grow healthfully even if the soil is poor in nitrogen, since it was his belief that plants derive their nitrogen from the air through their lives, and do not depend on the soil for this element.

In opposing the use of chemical fertilizer, Hensel awoke the ire of a powerful enemy, which resolved to liquidate him - the Chemical Trust. Through unfair competition, Hensel's "Stone Meal" business was destroyed and his product was taken off the market. However, the chief object of attack was his book, "Bread

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1. **BREAD FROM STONES: A New and Rational System of Land Fertilization and Physical Regeneration** was written by Julius Hensel in 1894. English excerpts published by Health Research, PO Box 70, Mokelumne Hill, CA 95429



from Stones," in which he expounded his new and revolutionary agricultural theories, opposing the doctrines of Liebig on which the chemical fertilizer business was based, as well as the "Liebig meat extract." (For Hensel advocated vegetarianism, just as he advocated natural farming without chemicals or manure.) Accordingly, his enemies succeeded in suppressing the further publication of this book and in removing it from libraries, until it became extremely rare and difficult to obtain. It is more fortunate that a surviving copy came into this writer's hands.

Dr. Julius Hensel was not only a student of agricultural chemistry, but also biochemistry and nutrition, and he related all these sciences, which he united into a composite science of life, which he called "Makrobiology". His theory was that the chemistry of life is basically determined by the chemistry of the soil, and that chemicals unbalance and pervert soil chemistry while powdered rocks help restore normal soil mineral balance, producing foods favorable to health and life. His discoveries concerning the value of powdered rocks as soil conditioners and plant foods, though rejected and ridiculed when he first proposed them, were adopted by agricultural science nearly a century later, when the application of powdered limestone, rock phosphate and other rocks became standard agricultural practice. Granite, which Hensel recommended as the most balanced of all rocks as a source of soil minerals, was first rejected as worthless, but later appreciated and used as a soil mineralizer.

During the course of his researches, Dr. Hensel found that in the primeval rocks, such as granite, lie a potentially inexhaustible supply of all minerals required for the feeding and regeneration of the soil, plants, animals and man. All that is required is to reduce them to a finely

pulverized form, so that their mineral elements may be made available to plants. Hensel wrote a book describing his discovery of a new method of creating more perfect fruits and vegetables, rich in all nutritional elements and immune to disease and insect pests, with the result that it produced worm-free fruit without the need of spraying. The foods so produced by rock-meal fertilization were true Organic Super Foods, far superior in flavor and value than those produced under the forcing action of manure or chemical fertilizers.

Hensel was the first to put up a fight against the then growing new chemical fertilizer industry - a struggle that was continued in the next century by Sir William Howard in England and J.I. Rodale in America. The use of chemical fertilizers, claimed Hensel, leads to the following evil consequences: (1) It poisons the soil, destroying beneficial soil bacteria, earthworms and humus, (2) It creates unhealthy, unbalanced, mineral-deficient plants, lacking resistance to disease and insect pests, thus leading to the spraying menace in an effort to preserve these defective specimens, (3) It leads to diseases among animals and men who feed on these abnormal plants and their products, (4) It leads to a tremendous expense to the farmer, because chemical fertilizers, being extremely soluble, are quickly washed from the soil by rainfall and need constant replacement. (Powdered rocks, on the other hand, being less soluble, are not so easily washed from the soil, but keep releasing minerals to it for many years.)

The use of various pulverized rocks, such as granite, limestone, rock phosphate, etc., in place of chemical fertilizers, will lead, claimed Hensel, to permanent restoration of even poor soils to the balanced mineral content of the best virgin soils; and the rock dust thus applied

will remain year after year and not be washed away by rains or irrigation water, as is the case with highly soluble chemical fertilizers. This will be an economic saving to the grower and enable him to sell foods at a lower price than when he must spend large sums on chemical fertilizers. Also, since foods thus mineralized are healthy and immune to plant diseases and insect pests (as Hensel experimentally demonstrated), there is no need for the expense and dangers of spraying.

Foods raised by Hensel's followers, including many German gardeners and farmers, who were enthusiastic in praise of his method, were found to possess firmer tissue and better shipping and keeping qualities than those raised with animal manure or chemicals and most important among the advantages of Hensel's agricultural discovery is that foods grown on mineralized soil are higher both in mineral and vitamin content and so produce better health and greater immunity to disease than those grown by the use of chemical fertilizers or sprays.

To kill insects by poisons applied to plants does not remove the cause of their infestation, and poisons both the insect as well as the human consumer of the sprayed plant. Only correct feeding of the soil, and consequently of plants and trees, by proper methods of fertilization, thereby keeping them well-nourished, vigorous and free from disease, will accomplish this, for insects do not seem to attack healthy plants. It appears that insects, like scavengers, attack chiefly unhealthy and demineralized plants, not healthy ones. Dr. Charles Northen has performed experiments in which he raised two tomato plants, intertwined with each other, in different pots, one being supplied with an abundance of trace minerals, derived from colloidal phosphate, and the other with chemical fertilizer alone. The



plant treated with chemical fertilizer was attacked by insects, while the one given trace minerals was not.

Hensel pointed out that animal manure and chemical fertilizers produce a forced, unnaturally rapid growth of large-sized products which fail to acquire the minerals normally secured during a slower, longer development. The result is the production of demineralized, unbalanced plants, which are weak and unhealthy, falling prey to disease and insect pests. This explains why, coincident with the increased use of chemical fertilizers, during the past century, insect pests steadily increased. So did cancerous conditions among plants, animals and humans, as shown by Keens, an English soil chemist, who presents statistics to show that the increased use of chemical fertilizers is a major cause of the greater incidence of cancer during the last hundred years.

The modern Organic Farming movement has accepted and propagated one of Hensel's theories - his opposition to chemical fertilizers and recommendation of powdered rocks in their place - but has failed to appreciate his other main doctrine - his opposition to the use of animal excrements as plant foods. In this respect, Hensel, though he lived in the last century, is far ahead of the Organic Movement and more modern than the most modern agricultural reformer.

Hensel had a great admirer and disciple in England - Sampson Morgan, who founded his "Clean Culture" doctrine on Hensel's philosophy of soil and biological regeneration by the avoidance of chemical or animal fertilizers. While Hensel was more of a theorist, Morgan was a practical farmer and agricultural experimenter, who proved the truth of Hensel's theories by winning the first prize at all agricultural exhibits at which his super-sized, super-quality, disease and blight-free rock dust fertilized fruits and vegetables were displayed. In Sampson Morgan's "Clean Culture", published by the publisher of this book, Morgan's views are presented. In reality they are Hensel's doctrines transplanted to the English soil. The reading of Morgan's book will be a valuable supplement to this, to give one a thorough understanding of the subject of Natural Agriculture (i.e., a system of soil culture definitely in advance of Organic Gardening by the compost method).

Practical experience with Hensel's Stone Meal and his non-animal method of soil regeneration, has proven the following:

1. That Stone Meal creates healthier, tastier, more vitaminized and mineralized foods.
2. That Stone Meal creates immunity to insect infestation, worms, fungi and plant diseases of all kinds.

3. That Stone Meal improves the keeping and shipping quality of foods, so that they keep a long time, in contrast to the rapid deterioration of foods given abundant animal manure.

4. That Stone Meal helps plants to resist drought and frost, enabling them to survive when those fed on manure and chemicals perish.

5. That Stone Meal produces larger crops which are more profitable because the farmer is saved the expense of buying chemical fertilizers which are rapidly leached from the soil by rainfall, whereas Stone Meal, being less soluble is gradually released during the course of years and remains in the soil, being the most economical of fertilizers.

6. That foods raised with Stone Meal are better for human health and the prevention of disease than those grown with chemicals or animal manure.

7. That use of Stone Meal, in place of chemical or animal fertilizers, helps to end the spraying menace (by removing its cause) is proven by the fact that plants and trees grown with Stone Meal are immune to pests and so require no spraying.



# NEW BREED AUTO-IMMUNE UPDATE

Donald C. Hosier

Rudolf Steiner Research Foundation

**RE:** *The preparation and dosing for nosodes as mentioned in the article NEW BREED AUTO-IMMUNE SYSTEM by Alan Nittler, November-December 1988 Journal of Borderland Research.*

Whereas Dr. Nittler has a considerable reputation in progressive and so-called unorthodox healing methods, and his article is based, no doubt, on some conclusions arrived at through his own clinical and practical work, his article leaves some undefined areas.

According to the Homeopathic Pharmacopoeia of the United States (HPUS), the class of drugs Dr. Nittler refers to as "personal antigens" are called nosodes whose source are "pathological organs or tissues, causative agents such as bacteria, fungi, ova, parasites, virus particles, yeast or disease products or excretions." Allersodes form another class of drugs "which under suitable conditions can induce the formation of antibodies" and include "most native proteins." The proper drug classification is not so important here as the preparation, handling and dosage of the prepared (homeopathic) drug, i.e., the "personal antigen."

(The HPUS is the official document established by the US Government for the classification and manufacture of homeopathic drugs. The HPUS is the equivalent of the United States Pharmacopoeia <USP> and the National Formulary <NF>.)

Urine is the easiest substance to collect for preparation of such a medicament, although blood can be collected quite simply by pricking the finger with a lancet (or perhaps a sterilized sewing needle), and saliva is obviously the easiest to collect. Dr. Nittler indicates the use of urine.

It must be pointed out that each individual responds differently to the use of these preparations. Some persons obtain a better result from blood, whereas others respond much better to a preparation from the urine.

Some dramatic (and temporarily unpleasant) reactions to the administration of this type of medicament should be mentioned: immediate onset of hot flashes (which can persist indefinitely but are usually limited to a few days after each dose), fever (of varying degrees and duration), lethargy (sluggishness, fatigue), somnolence (sleepiness), depression (albeit transient), inability to

concentrate or think beyond very simple functions like eating and bathing, a mentally detached state characterized by confusion and no sense of time. At the worst and rather rare, a complete anaphylactic reaction (allergic reaction) can occur during which the individual goes into shock and requires immediate emergency medical intervention to prevent death. It is usually a nosode prepared from blood which elicits this last type of reaction, i.e., shock and its sequelae.

On the other hand, most people experience no unpleasant symptoms and are generally restored to a condition of improved health. Although there are many cases of significant, even dramatic, health improvement, the use of nosodes alone usually does not restore the individual to a condition of normal good health, to homeostasis. The nosode therapy is a valuable adjunct to a complete homeopathic therapy administered under the watchful eye of a qualified primary healthcare practitioner (a licensed professional).

**A PERSONAL ANTIGEN NOSODE SHOULD NEVER BE USED BY ANYBODY OTHER THAN THE PERSON WHOSE URINE WAS USED TO PREPARE IT. ANY AND ALL PORTIONS OF THE PERSONAL ANTIGEN ALONG WITH THE CONTAINERS IN WHICH IT WAS PREPARED MUST BE CAREFULLY AND COMPLETELY DISPOSED OF, PREFERABLY BY INCINERATION (burning). THE GREATEST CARE AGAINST ANY POSSIBLE CONTAMINATION MUST BE OBSERVED. GENERALLY, FLUSHING DOWN A TOILET IS SUFFICIENT; BE SURE TO PUT LYSOL, CLOROX OR SOME OTHER SIMILAR COMMERCIAL CLEANER IN THE TOILET BOWL AFTER DISPOSING OF A PERSONAL ANTIGEN.**

As with most homeopathic drugs, there are two ratio scales for their preparation: the decimal scale (a ratio of 1:10) and the centesimal scale (ratio of 1:100), more commonly used in Europe than in America. The action of the equivalent drug strength used, whether decimal scale or the centesimal, is virtually identical. For instance, the action of Arnica montana 12X is identical to that of Arnica montana 6C; if there be any difference, it is so subtle as to defy observation. (The mathematical considerations of the decimal and centesimal scales

should be pursued by those desiring to completely apprehend knowledge of this entire process, which is no mystery whatsoever and is clearly presented in the HPUS). The substance from which the drug is being made is mixed first with 10 parts (if decimal scale preparation, or 100 parts if centesimal scale preparation) of a diluent. After the first dilution is made, 1 part of it is mixed with either 9 or 99 parts of diluent at each dilution. The diluent can be either pure grain alcohol (ethanol) or triple-distilled water, or a mixture of the two. Triple-distilled water is normally used; however, many drugs are made using 30% distilled water and 70% ethanol. The procedure varies according to the manufacturer (for entirely valid reasons, which need to be taken up in a treatise on homeopathic drug manufacturing processes).

The preparation of all homeopathic medicines is one of serial dilution, much like that used in the preparation of vaccines or in the quantitative analysis of blood serum titre levels in syphilis. However, a most significant factor in the manufacture of homeopathic medications is the requirement that rhythmic mechanical agitation of specific duration (shaking, officially termed succussion) must be done after every dilution. This process assures not only the uniform mixing of each dilution, but induces electromagnetic (and consequently molecular and atomic) changes in every dilution, measurable by several technologies including nuclear magnetic resonance.

This rhythmic mechanical agitation involves principles of thermodynamics, entropy, electricity and magnetism, indeed the uniform theory of matter with its four major forces: The strong nuclear force <ESF> (having short range and carried by gluons), the weak nuclear force <EWF> (having a very short range, in fact, limited to the nucleus, composed of protons and neutrons, carried by the very heavy weak bosons), gravity (having infinite range and carried by gravitons: gravity being the weakest of the four forces), and electromagnetism (having an infinite range and carried by photons). (EWF + electromagnetism=ELF)

Rhythmic mechanical agitation after each dilution invokes the light ether in such a way that the energetic blueprint (waveguide) of the original substance used in preparing the drug, e.g., the urine, is imprinted in the molecules of the diluent. With each successive dilution this energetic waveguide becomes more and more able to conduct and focus the anti-material (non-physical and energetic) "substance" (from which the urine has its origin and by which it comes into physical existence in the first place) to galvanize the human body's life energy (the chi, as the acupuncturists call it) and overwhelm the cause of the illness and restore normal good health.

Although Dr. Nittler has indicated the use of laboratory test tubes and they are probably the best containers for preparing the personal antigen, half-ounce or ounce size amber bottles may often be more available at the local pharmacy. Corks or screw-on tops are supplied only with special test tubes, whereas screw-on tops are almost always supplied with amber bottles (they are called actinic bottles in industry language). Medicine droppers are almost always available where amber medicine bottles are sold, and are needed to assure uniform drop dosing of the personal antigen.

According to Dr. Nittler's "administration of antigen" indications, the dosage begins with one drop, gradually ascending to 10 drop doses. According to his directions for "preparation of antigen," only 20 drops of personal antigen are prepared at any one time. It seems unclear as to when another "batch" should be prepared. Further his directions indicate "increase to daily dosages if indicated and desired after another couple of months or according to desired results" without defining or specifying what is "desired results" or "if indicated."

The rule-of thumb in many facets of life is "if it is working, don't fix it." In other words do not alter something that is operating properly. With homeopathic medicaments, the classical rule is to administer a single dose of the chosen medicine and permit it to exhaust its power before giving another dose, and dose again only if the disease symptoms begin to recur (that is, if healing apparently stops, indicating probably exhaustion of the energy of the dose). In practical terms, that means after taking the first dose of the personal antigen, carefully (and objectively as possible) observe (and write down) any and all changes which occur, and repeat the dose only when improvement ceases. However, clinical experimentation with "personal antigens" has consistently indicated the necessity for repeating the dose -- in ascending powers at specific intervals -- over a period of some months -- almost always in complement with another homeopathic drug (or drugs).

In general, the ideal response of an individual to a single dose of a homeopathic medicine is a very slight intensification of the disease symptoms followed in very short order (mere minutes in many cases) by a continuous improvement until homeostasis -- the condition of normal good health; the general lack of uncomfortable or abnormal physical sensations; a general physical, emotional, mental and spiritual buoyancy.

The dose should be repeated only when (1) the aggravation persists <generally indicating a significantly higher power of the same drug or its analogue or complement (antidote)> must be used, or (2) the improvement noted by the lessening (amelioration) of the dis-



ease symptoms stops, or (3) when the disease symptoms reappear <which generally indicates the incorrect drug was used>. In the case of the personal antigen, both clinical experimentation (on human subjects, incidentally) and repeated practical homeopathic medical experience, the "desired results" are attained (in most cases) according to the protocol similar to that Dr. Nittler has set forth in "Administration of Antigen."

The following is suggested as an alternative to Dr. Nittler's paradigm:

**PREPARING THE NOSODE:** Obtain the following supplies for personal nosode preparation:

15 sterile amber bottles with screw-on tops  
(as an alternative, 15 5ml test tubes & test tube rack)

at least one medicine dropper to fit the amber bottles

1 liter of distilled water (triple distilled water if available)

15 small adhesive labels (1 for each bottle).

Give yourself plenty of workspace. Prepare a label for each amber bottle as follows: 1C, 2C, 3C, 4C, 5C, 6C, 7C, 8C, 9C, 10C, 11C, 12C, 13C, 14C, 15C. Put one label on each sterile amber bottle, and place them in a row in front of you.

Now put 400 drops of distilled water into the bottle labeled "1C." Put 396 drops of distilled water into each one of the remaining 14 bottles.

In the sterile amber medicine bottle with the label "1C," (or a stoppered 5ml test tube), mix 4 drops of fresh mid-stream urine with the 400 drops of distilled water (already placed in each bottle). Put the top on the amber bottle and grasp it in one hand. Shake or firmly tap the side of the hand in which you hold the bottle against the palm of the other hand two hundred times. You have now finished preparing the 1C dilution of your personal antigen.

Unscrew the 1C amber bottle and carefully put 4 drops of it into the second amber bottle having the label "2C," already filled with 396 drops of distilled water. Carefully replace the 1C bottle cap and put it in its position, first in the line of bottles in front of you.

Now repeat the succussion process with the 2C bottle (shake or tap it 200 times as above.)

Repeat the steps as above with the 3C bottle and so forth until you have finished with the last bottle, labeled "15C." Be certain to succuss each dilution before going on to the next.

Place all the bottles in a dark, cool place. Be certain these preparations are entirely secured from any possible overt or accidental use by anyone other than the person from whose urine the personal antigen has been made. During the course of dosing, if you run out of the 12C (for example), you can use another 4 drops of the 11C dilution mixed with another 396 drops of distilled water, and succussed, to make more 12C dilution.

Be sure to dispose of all remaining dilutions of an existing personal antigen batch before making a new one. Boil all your amber bottles, (or test tubes), and steam sterilize them before making a new personal antigen. Be sure the utensils used for sterilization are not used for any other purpose whatsoever, and carefully dispose of them when you finish a course of nosode therapy, whether personally administered or directed by a physician.

Prepare a new personal antigen on a weekly basis. This amounts to creating a new drug each time a new batch is made, and is equivalent to taking a new (homeopathic) drug weekly.

#### THE DOSAGE PROTOCOL:

1st week	4C	5 drops morning & night - 1 week
2nd week	7C	5 drops morning & night - 1 week
3rd week	9C	5 drops morning & night - 1 week
4th week	12C	5 drops morning & night - 1 week
5th week	15C	5 drops morning & night - 1 week

**Take a break!** Do not dose for 1 week; then begin the cycle again with a new personal antigen preparation. After approximately 3-1/2 months, repetition or continuation of this therapy should be discontinued. As suggested above, nosode therapy should ideally be conducted under the care and supervision of a qualified licensed healthcare professional.

It must be emphasized that the above protocol has been successful for most cases. However, as with all homeopathic drugs, the drug, its power, and the repetition of the dose should be carefully individualized according to the condition (the symptom picture) and altered in consideration of the individual's response. Dr. Nittler's indications for the gradual increase in the number of drops per dose provide a realistic if rudimentary guide for the individual who dares to attempt this therapy on their own.

Nosode therapy generally applies to chronic disease syndromes. In the absence of a qualified licensed healthcare professional, perhaps individuals often have no other choice than to undertake their healthcare, however potentially hazardous.

# MEDITATION EDUCATION AS EFFICIENT MEANS OF SOLVING GLOBAL PROBLEMS

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Now, together with the wide spreading of feelings of social responsibility and global awareness there is also a growing perception of tremendous and ever increasing weight of manifold global problems. These problems, a large part of which are due to the activities of Humankind itself are endangering the very existence of Humankind and even Planet Earth. Our present world period of transition is characterized by specific configurations of Earth and Cosmic morphogenetic fields, which, like holographic lenses and/or multifaceted crystal mirrors of a psychotronic Karmic Examination Machine of global dimensions, reveal—magnifying and sharply focussing every detail—heretofore hidden memories and Karmic deposits, accumulated during millennia, effectuating this necessary—though sometimes very painful—process of Global Purification, preparing Planet Earth for Her future Cosmic Initiation.

Sometimes the dead weight of ancient evil Karmas seems too great to be fully recycled in this very limited time allotted by The Cosmic Schedule, and unavoidable clashes with New Age influences, which are increasing in strength, may create moments of real danger.

Thus, for example, the rapidly growing awareness of each human person of their inherent rights, of unique importance and necessity for their full Self Realization—the ultimate aim and purpose of Spiritual

Progress on our planet—shows that certain inalienable social and economic rights come in collision with the mechanical trends of the present-day outdated, and extremely ecologically dangerous, global industrial economic machine, keeping Humankind as its hostage, and until now effectively preventing any alternatives based on New Age approaches.

Looking at this problem more closely, it can clearly be seen that it is not this machine as such—which is a mere automaton—to blame, but rather the set of mental attitudes behind it, which created this vicious circle, wherein is trapped present-day civilization. The inexorable inner logic of technological development which has found its most perfect incarnation in the industrial robot—is mercilessly driving human beings out and away from the process of material production. So, in order to keep employment—and thus social stability—on a more or less tolerable level society has to expand production in extensive ways. This brings with it the very real risk of an irreparable breakdown of our limited planetary resources.

(Although the abovesaid is especially timely for developing Third World countries, problems exist also in those countries which already have entered the Technotronic Age. They are developing information-oriented, rather than energy and material resources—consuming Oil Age technologies. Healthy balanced development of such a sensitive and

delicate global entity as Infosphere,—first step to Noosphere—maintaining at the same time Social Peace and protecting opportunities of Inner Progress, needs some noble goal, the spirit of New Frontiers—and Old Age mentality just cannot offer anything better than an increase of already excessive material consumption,—or, still worse, achievement of military superiority, which now has lost any sense altogether).

No decision-making body in any country can now avoid close confrontation with this very serious and difficult problem, which may be regarded as one of the basic Koans of Global Zen Training, carried out by Nature Herself: The greatest teacher of all—being pushed, from one side, by ceaseless insistence of social pressure, tremendously increased because of a “hope revolution”—at the same time being keenly aware, if competent enough, of the ever present possibility of a silent, yet absolutely inexorable veto of Nature on all human activity—including the very process of human existence—which may now come without further warnings. There have been enough of them for those who cared to note. This problem is apparently insolvable from the viewpoint of a mechanistic and materialistic Old Age social paradigm, whose range of vision is limited to the Realm of Effects only, recognizing only gross material production consumption as possessing any real value.

If left to its own destiny, the present-day economic/industrial machine can only continue to go along the same course—until there is no fuel left—and then it will inexorably collapse, pulling down a sinking galley, drowning its chained slaves, leaving a polluted and disfigured planet, which will be hardly able to give rise to a new civilization before the expiration of entire geological epochs. Yet even in this seemingly hopeless situation those minds, which are not totally hypnotized by evil spells of black magic of old negative thinking, can see glimpses of hope along the pathways of New Age approaches. Numerous experiments with mass TV audiences have proven beyond any reasonable doubt the real existence of a morphic resonance phenomena: direct transference of information-carrying structures and function patterns of natural objects and processes across barriers of Time and Space—as well as the existence of human ability to create—individually and/or collectively—morphogenetic fields of special structure: metaprogram blueprints “of new perfected forms.” The most advanced modern information-processing communication technologies—this flower of the technosphere—seems to be so perfectly suited to the needs of this emerging Inner Space creative technology, that it cannot, perhaps, be explained away by mere chance or coincidence.

Nationwide and intercontinental computer and communication networks, spreading over the entire globe, connecting the greatest focal points of civilization, are forming tender electronic tissues of Global Brain, awaiting to be ensouled by Noospheric Mind.

Perhaps, the most important single

step in this Global Ensoulment Process—an act which may definitely help the advancement of a New Age paradigm, a little step over personal psychological barriers, which will be a tremendous leap of entire Humankind over imprisoning walls of Old Mentality—will be a social recognition of meditation as an honourable and useful productive job: creative work in Inner Space.

Actually, such recognition will be the remembering of a profound timeless truth. We well know that all stable civilizations had special—and very highly respected—classes of people: priests and monks. Their official function was Inner Space work: maintenance in order (for the most gifted—research exploration of new perspectives) of tribal and national (global even, if we are to believe in the real existence of a great global Atlantean civilization) morphogenetic biofield standards—not only on purely intellectual and/or emotional levels, but also—as was the case in classical Hindu and Tibetan civilizations—safeguarding those Metaprogram Banks of the Causal Realm which contain patterns of optimal performance of such basic Life Rituals as Conception, Birth, Death, and others, which necessitated synergetic activity of an entire hierarchy of organismic fields and collective interactions of many organisms, of course, up to the conscious reincarnation of entire civilizations on other planets.

Wide acceptance of such an attitude will help our civilization to resolve in an absolutely non-violent, yet ultimately efficient way, many grave problems threatening its very foundations, for example: the problem of unemployment, and especially, the problem of the grow-

ing debt of Third World countries.

If both the spiritual and social value of meditation will be duly recognized, then no person can ever be regarded as superfluous. Everybody's efforts can be critically necessary in the tremendous work of building the Majestic Grandiose Temple of Future Humanity.

Everyone can manifest, in this noble—and ennobling—work, his or her special, often quite unexpected heretofore, talents or abilities, working in accordance with the Divine Plan—yet never losing one's personal identity, achieving through this Inner Work a full as possible realization of one's true place in The World Design: the place of greatest personal power, forming together with other Living Crystals the multi-coloured dynamic patterns of The Global Mosaic.

Also, being raised on the next turn of the Evolutionary Spiral—tremendously gaining in efficiency and scope—with the help of modern science and industry, meditation technology can be returned with gratitude to such countries as India, which originally gave this priceless gift to our world.

The practical realization of a Global Meditation Education program—which can be only worldwide, including spiritual and intellectual leaders of all countries and nations, representing all colours and hues of our Global Picture—will facilitate true international cooperation, bringing together—both in Outer and Inner Space—the best minds and spirits of entire Humankind, creating thus a critical mass of New Age awareness-energy, which is necessary for the next qualitative jump in human evolution.





# THE POWER OF THOUGHT TO INFLUENCE THE SUN

## *Turning Point for Humanity?*

The Academy for Peace Research

A four year study has just been completed by the Academy for Peace Research to test whether or not humans can alter solar and geomagnetic activity by meditating, visualizing, or praying.

Preliminary analysis of the data indicates that this is possible. If so, the implications are awesome!

Why influence Sun? Research by Professor Raymond Wheeler (deceased) at the University of Kansas uncovered the fact that international battles wax and wane at nearly regular intervals of about 11 years. Wheeler's data extended back 2,500 years and was extensively analyzed by Edward Dewey, who founded the Foundation for the Study of Cycles now located at University of California, Irvine. Buryl Payne, a physicist/psychologist who directs the Academy for Peace Research, was able to correlate the onset of international battles with sunspot peaks for the past 200 years. Prior to that, sunspot data is not available, but presumably humans have been responding to this influence indefinitely into the past.

Crimes, riots, accidents, psychotic episodes, many types of illness, and just plain grouchiness have all been found to increase at times of solar activity and/or geomagnetic disturbances. This is not a theory; diverse studies by many researchers in different countries over many years have supported the same general conclusion.

The link appears to be: Solar flare—> solar winds (sprays of electrons and protons) —> disturbances to Earth's magnetic field —> hormone changes—> mood changes.

Men may be more affected than women, since warring behavior appears to be a male activity and Buryl hypothesizes (no experimental evidence as yet) that testosterone production in males increases at times of certain types of

magnetic disturbances. Increased production of testosterone in males under 40 is known to produce irritability and aggressiveness. Buryl calls this: MMS or Male Macho Syndrome and suggests that warring behavior be considered a new type of social disease.

When people learned of this research they proposed that peace meditations could have a beneficial and calming effect on solar activity. Edgar Cayce had said this would be possible many years ago. The hypothesis was formalized in the design of an experiment called: **THE GLOBAL MEDITATION PROJECT**. People were invited to meditate at six dates each year (the Solstices, Equinoxes, etc.). A 3-1/2 year study culminated in June 1988 with the alignment of six planets close to the Galactic Center. Normally such an alignment would have been expected to trigger a large increase in solar activity, and an increase in international battles. Although there was an increase in solar activity there was actually a dip around the time of the largest peace meditations. (There were few world upsets and a number of positive international steps taken towards peace in June, a wonderful turning point may have occurred.) Such dips were also observed during the first two years of the experiment, the only times that the data has been analyzed so far. On the average the effects of several million people meditating appears to have resulted in a decrease in solar activity of 30% for a period of 7 to 10 days following the meditations.

This remarkable result, if it proves to have occurred during the other times of the meditations, and can be shown to stand up under careful mathematical analysis, will help unify science and religion and perhaps provide a humankind with a new way to maintain peaceful conditions.

How people can possibly influence the magnetic field of Earth or the Sun is a big scientific mystery. However, one possible link might be related to a biological energy field which Buryl discovered how to detect and measure. This energy field, which has been discovered and rediscovered in the past, is not magnetic, but it varies with variations in Earth's field. It could be considered a type of spin force and if it were magnetic it would be more than one million times as large as the body's intrinsic magnetic field and about 100 times as large as the Earth's magnetic field strength. When people calm down, this field also quiets. Perhaps when enough people meditate they quiet down Earth's field by some unknown resonance mechanism. The Earth in turn, could be in resonance with the Sun and hence a quiet Earth could result in a quieter Sun.

The device which detects and measures this field is inexpensive and easy to build. Details as well as research data, have been published in a book by Buryl Payne called "THE BODY MAGNETIC". The book is \$10 and may be purchased from the Academy for Peace Research.

The Academy for Peace Research, directed by Buryl Payne, Ph.D., a physicist and psychologist, has exhausted its financial resources carrying out this project. People who would like to help can do so by becoming supporting members of the Academy for \$25. Members will receive full copies of the report and other materials from the Academy.

The implications of the possibility that humans can influence the Sun are tremendous and suggest a number of other international peace projects that could be developed in the new few years. Readers are invited to send in their suggestions or membership applications to the A.P.R. Box 697, Hanalei, HI 96714.

# PRECISION IN MEDICINE

By Wallace Finne MacNaughton, M.D.

From THE THEOSOPHIST

March and April, 1955

(Adyar, Madras, India)

The correlating of several systems of thought, in the light of Theosophy, gives a preview of the "method of the future" to be used as an aid to diagnosis and therapy, especially for the detection of obscure conditions not ordinarily identified by the usual procedures.

The various systems include some knowledge of:

- (a) The physical plane and its sub-planes;
- (b) Spectroscopy;
- (c) Radiesthesia instruments;
- (d) Spectro-chrome, by Dinshah;
- (e) Homeopathic medicine.

## *The Physical Plane - Sub-Planes - Energy Oscillations*

The physical plane is divided into sub-planes which differ from each other in one fundamental, namely, vibration, which is characteristic of the density of the matter of each sub-plane. The sub-planes are designated as (1) solids, (2) liquids, (3) gases, and (4) ethers of four different grades. The matter of the higher or finer levels interpenetrates those of the lower. Consequently all physical objects, made up as they are of solids, liquids and gases, also have an etheric counterpart. This etheric counterpart, which all objects have regardless of size, plays an important role in diagnosis and therapy.

Modern as well as occult science yields the information that all physical matter is in a state of vibration. Science also provides us with a scale of energy oscillations. Energy is measured in octaves, indicating the number of oscillations per second, and the medium through which such octaves are transported. The oscillations range from the first octave of two pentillion oscillations per second, known as the X-rays.

The first classification of energy is sound, extending from the fourth octave and the lowest audible note at 16 oscillations per second, to the fifteenth octave at 32,768 oscillations per second - the limit of human audibility. The medium through which this energy of "sound" travels may be solid, liquid or gaseous, and the propaga-

tion is performed by waves of condensation and rarefaction. Beyond the fifteenth octave, as audibility disappears, a range of oscillation comes into existence whose operations are defined as being in the "ultra gaseous" medium. This prevails up to the thirty-fifth octave and produces a form of energy known as "etheric sound".

From this position, slowly all sound begins to change as much higher oscillations are approached, and on the fourth-fifth octave the bombarding energy transforms and becomes manifest as "radiant energy," "heat," or "dark light". The travelling medium of this potency is known as the lowest or first "ether" and the character of its propagation is wave motion with molecular clash.

Pushing the oscillatory frequency per second further, at the forty-ninth octave the first visible appeal occurs as red color. Our sense of sight enables us to appreciate the energy at this point, but although the organs of sight are the most highly specialized organs of the body and the most closely associated with the central nervous system, their capacity is limited to a range of this one octave only.

As the analysis of the phenomena of light shows that the energy of this range of the oscillatory scale is transmitted by the medium of "ether", and unlike sound is independent even of the medium of gas. A Radiometer (an instrument having vanes mounted on a pivot in an airless chamber) shows rotation under its influence and the speed of its rotation is determined by the intensity of the light and the quality of its color. This experiment proves conclusively that Light is a force and a highly potent one, being able to register its effects across a vacuous space.

The source of all life and energy on the earth is of course the Sun, and its energy is conveyed to the earth by means of waves of light. Sunlight on analysis is shown to be a compound and composed of seven major prismatic colors, which always appear in the following order: Red, Orange, Yellow, Green, Blue, Indigo, Violet. These colors differ from each other in two ways, (1) the wave-

length, which decrease from red to violet, and (2) the oscillatory frequency, which increases from red to violet.

For growth, all vegetable, animal and human bodies are dependent on sunlight for energy, which they are absorbing continually in the form of light and which they are radiating continually, though the manifestation is different. This takes place through the radio-active and radio-emanative organism or etheric counterpart of the dense physical body.

### *Spectroscopy :*

#### *Elements and Their Color Wave Preponderance*

Spectroscopy has shown that every element of the earth (over 92 now known) exhibits a preponderance of one or more of the prismatic colors and that the potency of an element depends on the potency of its color waves. It was found that substances when burnt in a flame have the power of causing characteristic bright lines to appear in the spectrum; and that particular substances always cause the same lines to appear and always at the same location of the spectrum, regardless of the compound in which the metals were used or the great variety of chemical reactions in the various flames, or the immense difference in temperature of these flames.

This was true of the spectra obtained by a spark passing between electrodes made of these metals, and spectra obtained by a spark passing through tubes containing elements in a gaseous or attenuated condition. It was therefore unquestionably established that the bright lines of the spectrum are beams of light refracted to definite points in the graduated scale and are proof positive of the presence of the metals or elements in consideration. Each set of bright lines or refracted beams of light thus obtained represents the aggregation of wave-lengths, or in other words, the oscillatory rhythm associated with the composition or quality of that particular metal or element.

In the analysis of various elements it was found that, although some had many bright lines and others few, all showed one or more lines predominant and usually one markedly so. The intensity of the lines and their concentration in a given position of the spectrum are the factors which determine the potency of an element and the range of wave-lengths on which it is most highly effective.

A metal or element heated thus before a spectroscope has had its molecular, atomic and electronic constituents so expanded that the oscillatory rhythm, being inherent in the element, can be appreciated visually by having it stepped up, by heat, to the forty-ninth octave. However, because of this integrity in the rhythm of the constituents of the metal, these oscillatory frequencies are detectable in octaves lower than the forty-ninth by

instruments properly adapted for this purpose.

#### *Radiesthesia Instruments - Pathoclast - Electro-Biometer, Etc.*

By means of a specially adapted electric circuit, containing a bank of radio tubes, condensers, a resistance unit, etc., the oscillatory rhythm of the elements can be detected and their potency measured. This is especially significant when it is recalled that all foods and medicines as well as the human body are composed of definite element combinations, and therefore act in conformity with such color wave potencies, the aggregate of which gives each its characteristic oscillatory rhythm.

Using the above radio tube circuit, foods and medicines can be analyzed and identified as carrying potencies of color corresponding to definite portions of the spectrum. This is the key to Precision Therapy as will be seen later.

The human body is composed of elements, of which the principal ones are: Oxygen, Carbon, Hydrogen, Nitrogen, Calcium, Phosphorus, Sulphur, Iodine, Chlorine, Fluorine, Potassium, Iron, Magnesium, Silicon, and Sodium.

These constituents, already shown to have distinctive and characteristic spectral bright lines of wave-lengths of light, would thus be representatives of the balance of energy existing in the body as light. The body, therefore, has certain oscillatory frequencies normally within it, each with a potency in direct ratio to the amount of the corresponding element present.

That this is another important fact is apparent when it is known that, with the above electric circuit, the potency of these frequencies in the body can be measured and the excess or deficiency of the corresponding elements determined with accuracy. This is the key to Precision Diagnosis as will be seen later.

Different organs and tissues of the body having different chemical element preponderances, oscillate at different color wave potencies. In other words, the chemical activity in each organ or tissue, due to its normal characteristic element content, produces particular oscillatory frequencies which are maintained throughout health.

**Electro-biological Radiations** is the term by which these frequencies are known to part of the profession and is synonymous with the term **Oscillatory Rhythm**. Any disproportion of the chemical elements of an organ or tissue, from whatever cause, would therefore have a marked effect on the balance of light energy in the organ. This would result in a changed oscillatory rhythm or electro-biological radiation from the organ.

A given disease condition that causes a particular



disproportion of the chemical elements of an organ or tissue, with a particular disturbance of the balance of light, produces, as a natural consequence, an oscillatory rhythm or electro-biological radiation from the organ which is characteristic and indicative of that disease.

Different disease conditions are associated with definite and characteristic tissue changes, macroscopical and microscopical. Coincidental and progressive chemical changes, registering as electro-biological radiations on the radio tube circuit, are equally characteristic and measurable.

Because of these facts the physician is able to detect disease in its incipiency and even in the etheric stage before macroscopic changes have proceeded to the point where symptoms are produced. This, of course, is of great importance in the field of preventive medicine.

The important features of the circuit are as follows: a diagnostic well, from which the energy of the patient or of a specimen from the patient is conducted through two condensers, which are meshed in such a way that number 1 acts as a principal; and number 2 acts as a selector on number 1; the energy then passes through a resistance dial into a plate that is stroked by the operator.

The condensers have pointers attached which sweep a scale of zero to 100. The number at which the pointer of dial 1 is set indicates the disease in question; and the number on which the pointer of dial 2 is set indicates the organ, area, or tissue in which the disease has more or less concentration.

The hyphenated combination of these two settings is known to the profession as a "rate". The potential or virulence of the energy on a disease rate is determined by the amount of resistance it overcomes in order to get into the plate, where it is "felt" by the operator as a "change" in the friction factor produced by stroking the plate.

Certain of the dial 1 numbers have come to be associated with definite disease conditions through years of research by many investigators. The procedure consisted in taking specimens of each known disease tissue and finding the "position" on dial 2 which yielded the highest potential, when used in conjunction with the number on dial 1 for that disease.

Some points of special interest about these rates are in order. It is well known that all disease conditions of whatever infectious agent have at least one thing in common, namely, congestion or inflammation. If the condition is acute the cardinal symptoms of heat, redness, pain and swelling, are evident. If the condition is sub-acute or chronic, these symptoms are much less evident by none the less present.

This underlying condition of disease shows electro-biological radiations of its own that are separate and

distinct from that of the particular infection associated with it. The number on dial 1 for congestion is 40, and the organ, area, or tissue in which the congestion is present is indicated by a number on dial 2. For example:

- (1) 40-52 is the rate which gives a "general picture" of the whole body.
- (2) 40-82) gives a "general picture" of the abdominal contents.
- (3) 40-93 gives a "general picture" of the thoracic contents, with the exception of the ribs and pleura.
- (4) 40-91 gives a "general picture" of the periphery, including the ribs and pleura, spinal column, spinal cord extremities, head, neck, mammary glands, male gonads, skin and nails.

Similarly other organs or areas have their designating rates, and the character of the congestion is determined by the rates for particular infections.

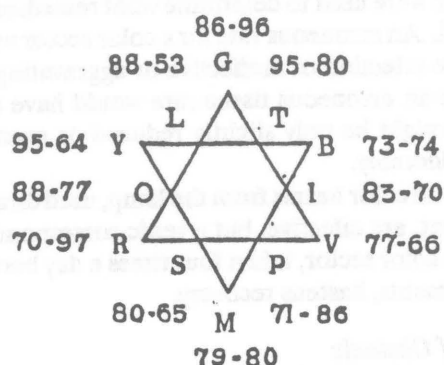
A point of interest is that owing to the anatomy of the large bowel, especially the Sigmoid portion, and also due to faulty elimination, the accumulation of toxins usually begins here, reaches the highest potential, and persists longer than in other parts of the body, because there is ample area for extension and storage without production of symptoms due to pressure, irritation of nerves, etc.

Another important set of rates is the organ vitality rates. They furnish diagnostic information of a corroborative nature, inasmuch as the concentration of infection in the organ or in its vicinity causes an excitation or depression of the organ and a corresponding change in its vitality potential.

Over a period of years it became established that the vitality of organs decreased definitely with advancing years as follows:

AGE	VITALITY POTENTIAL
0 to 5 years	20
5 to 10 years	19
10 to 15 years	18
15 to 20 years	17
20 to 30 years	16
30 to 40 years	15
40 to 50 years	14
50 to 60 years	12
60 to 65 years	11
65 to 70 years	10
70 to 75 years	9
75 to 80 years	8
80 to 85 years	7
85 to 90 years	6

*Spectro-Chrome - by Dinshah*



The letters on the diagram signify the following colors: red, orange, yellow, lemon, green, turquoise, blue, indigo, violet, purple, magenta and scarlet.

The "rates" for the colors were obtained from a spectro-chrome lamp according to the technique previously described for known specimens, by shining each color beam, separately, into the diagnostic well of the radiesthetic instrument in a darkened room. Care was taken to prevent any other energy from getting into the diagnostic well, even that of the operator.

These color rates have been in constant use and have been dependable during a period of over twenty years. Using these rates to analyze the energies or the patient's specimen, it is quickly determined which color energies are deficient. Then the problem is to prescribe the remedial measures that will bring up these deficient energies, so that the two sides of the diagram are in balance.

"Between the cup and the lip there is many a slip." Often the gap between diagnosis and therapy is beset with pitfalls. These are avoided when the two departments of medicine are directly meshed with a factor common to both. This common denominator is the energy supplied by the most dependable of standards: the sun.

Recapitulation: All vegetable, animal and human growths are dependent on sunlight for energy, which they are absorbing continually in the form of light and which they are radiating continually though the manifestation is different.

This takes place through a radio-active and radio-emanative organism or the etheric counterpart of the dense physical body.

Every element of the world exhibits a preponderance of one or more of the prismatic colors of sunlight, and the potency of the element depends on the potency of its color waves.

Foods and medicines being composed of definite elements, likewise act in conformity with such color wave potencies.

Likewise different organs of the body having different chemical element preponderances, oscillate to different color wave potencies.

Any condition of disease is associated with a disproportion of the chemical elements of the body, with the attending disturbance of the color wave balance.

*Remedies - Homoeopathic, "wonder drugs," and color correspondence*

During the past 150 years or more, homeopathic students organized a list of remedies that were classified (1) as to the capacity to counteract disease, and (2) as to affinity for stimulating particular organs or tissue of the body. In selecting remedies by the radiesthetic method, it was found that these tinctures and tablets not only coincided with the foregoing classifications but fell into groups corresponding to certain colors of the spectro-chrome diagram. Likewise, the more modern so-called "wonder drugs" also could be allocated to definite color positions on the diagram.

Knowing the color correspondences of the remedies simplifies the matter of prescribing so that the balance of light energy in the body may be restored. In selecting the remedies, the one or more which could be expected to yield the maximum benefit to the patient would be those which when matched against the patient's specimen would reduce the congestion and infection potentials to zero and simultaneously raise the vitality potentials of the depressed organs to normal. Some of the remedies with their color correspondences are as follows:

Red	Capsicum.
Orange	Alfalfa, Ipecacuanha, Spongia tosta, Crataegus Oxy.
Yellow	Calendula, Trifolium pratense, Hydro-chloric acid 2%.
Lemon	Gelsemium, Echinacea, Nux vomica.
Green	Eupatorium perfect, Chimafilia umb., Berberis vulgata, Iris vers.
Turquoise	Cimicifuga, Hydrangea, Artemesia absinth, Sulfa (triple).
Blue	Bryonia, Colocynthis, Verbascum thapsus.
Indigo	Ignatia amara, Veratrum veride, Conium Mac.
Violet	Baptisia, Fagopyrum.
Purple	Apis mellifica, Hamamelis.
Magenta	Pareira brava, Passiflora incarnata, Yohimbin.
Scarlet	Hypericum, Viscum album, Rhus tox.
Infra-green	Stimulating and alterative.
Ultra-green	Antipyretic and sedative.

A point to be stressed is the *prime importance of timing*.

Owing to the influence of a variety of factors, the status of the patient is "subject to change without notice," especially in acute conditions. A remedy selected on Monday may not be the one which would give maximum benefit on Friday. For example, a patient showing, on a certain day, lymphatic stasis (due to a deficiency of minerals in the yellow sector) would get maximum benefit from a tonic containing: Calendula, Trifolium pratense and Hydrochloric acid 2%; while if a few days later, he should have temperature, the tonic of maximum benefit should contain: Cimicifuga and Artemisia absinth or Bryonic and Colcyn, this depending on the severity and location of the infection.

The remedy, even of maximum benefit, when administered to the patient accomplishes changes by degrees only. With each tonic a certain percentage of the disease energy is neutralized and toxins eliminated. With subsequent check-ups new tonics are selected to fit the status existing at the time.

The road back to normal calls for a reversal of the tendencies which brought about the condition as well as the neutralization of the infection. The accomplishment of this objective requires the use of the principles of reinforcement or excitation at certain times and that of interference, retardation or impedance at other times. The important thing is to know when to use which. This is determined (referring to the diagram) by checking the infra-green group and the ultra-green group of colors to see which are deficient, and which are in excess. While supplying the energy that reinforces the deficiencies and brings them to normal, the excess energies are simultaneously counter-balanced by interference or impedance.

The procedure is progressive and check-ups at intervals of a few days show the degree of progress, as well as indicating the "follow-up" remedy to meet the changed condition. Intermittent check-ups are essential because the effectiveness of the remedy, in tending to re-establish a balanced status, results in the patient out-growing it. In other words, these remedies of proven therapeutic value, prescribed according to this method of selection, mesh with the needs of the patient in a manner (1) to promote elimination of toxins, (2) to restore vitality to organs and tissues, and (3) to re-establish gradually the balance of light energies in the body.

In doing this, they not only verify their very definite therapeutic value but establish the veracity of the rates which were used to determine what remedies were indicated. An erroneous rate for a color sector would result in the selection of ineffective or aggravating remedies, while an erroneous tissue rate would have a potential that might be only slightly reduced or even increased considerably.

The color beams from the lamp, used directly on the patient, are effective, but a tonic corresponding to the same color sector, taken four times a day between lamp treatments, hastens recovery.

### *Chief Obstacle*

When a patient is under treatment and receiving frequent check-ups, to gauge progress and select new remedies, it is important to check the potential of the rate for connective tissue. This factor is developed by Nature to wall off areas of trouble as a means of protecting the rest of the body from general involvement. While it is a benefit in the first place, it is an obstacle in the last place, inasmuch as it tends to exclude the blood from the area and thereby prevent the elimination of the sealed-up toxins.

To reduce this hindrance requires complementary measures such as light, short wave, diathermy, electric current, diet, etc., especially when adhesions, post-operative or otherwise, are prevalent. Another obstacle to the restoration of normal functions is a displacement of vertebra or vertebral disc. This hindrance is corrected by an "adjustment," as indicated by checking on the proper rate, along with the application of one of the foregoing measures to reduce the associated connective tissue excess.

### *Infection*

A point of interest as regards the various infections is that while they are often composed of more than one kind of bacteria, the one most often complicating the picture is a virus. It is relatively more persistent than the bacterial infection, which melts away sooner under treatment, and is probably more etheric as it causes less destruction, although tending to deplete the system of vitamins and minerals, the timely replacement of which is an important part of the treatment.





# COSMIC WEATHER REPORT

By Tom Brown and Alison Davidson

Activity for Cycle 22 continues to increase with some magnificent moments. This cycle now has the potential for greater activity than Cycle 19 which produced the highest activity on record, shortly after the atmospheric hydrogen bomb tests of the mid 1950s. The activity between March 6-20, 1989, the highest on record in over 20 years, was so intense that the National Oceanic and Atmospheric Administration (NOAA) is issuing a special report for that period.

1989 began with a rise to the highest daily solar flux reading of C22 so far, that of 299 s.f.u. (solar flux units) on January 16th. The activity slowly declined to a low of 175 s.f.u. on 2 Feb, then rising to 281 on 11 Feb with X-class flaring (on an ascending scale of C, M, & X-class) on the 9th and 10th. The next low was 167 s.f.u. on 28 Feb with a slow rise to 5 March. On 6 March, a day before the solar eclipse, the activity jumped to 212 s.f.u. and the sun produced a X15 x-ray flare. This was accompanied by a coronal mass ejection. From the 6th to the 20th the solar activity was very high with many X-class flares.

On and around 13 March there was a complete short-wave fade on all bands accompanying a geomagnetic A-index of 169, a severe magnetic storm condition. The average A-index for the previous two weeks to that storm was around 20, and for the two weeks previous to that it was around 10, so this was a period of major electrical and magnetic interference with human activity. The geomagnetic field remained severely disturbed for the next week and a X6.5 flare on the 17th aided in keeping the earth's energy environment in an uproar.

The 10 meter amateur radio band, which propagates furthest when the ionosphere is charged after solar flares, has had many good windows for worldwide com-

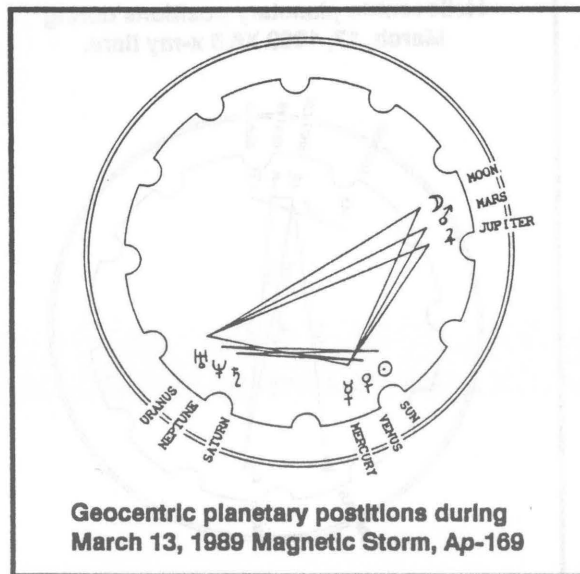
munications. The radio waves bounce off the daylight layer of the ionosphere. Under these same conditions the 11 meter band, also known in the US as the Citizens Band (CB), easily broadcasts beyond its legal short range limits.

After the March highlight period the solar flux dropped to 158 on 28 & 29 March then began slowly rising during the first weeks of April. If the X15 flare of 6 March is any indication of further activity of C22 then these reports should remain interesting for the next two years or so.

Our lives on earth are connected to the activities of the cosmos. The Sun provides us with life, chemical activity, light and warmth. The energy from any source will naturally change character as it goes through cyclic activity. Evidence indicates that the current 11-year cycle is not a cosmic maxim so there is always the possibility of unexpected activity. To quote:

"Recent evidence suggests that the Sun has not always been so well behaved with respect to 11-, 22-, or even 180-yr cycles; within the past 1000 yr there have been three times at which the cyclic variation evidently ceased altogether. In a Herculean effort based on ancient manuscripts, old literature, modern data and interpretations, and indirect inferences, Eddy (1976) extended sunspot records back to about 1100 A.D. From direct reports of solar observations, old auroral records, and, notably, carbon 14 (C<sup>14</sup>) analyses of tree rings, he showed that two prolonged deep minima and one major pro-

longed maximum in sunspot activity must have occurred. In these three apparently aperiodic events, no 11-yr variation in sunspot activity was discernible. The '12th Century Grand Maximum' in sunspot activity spanned the years 1100-1250 A.D. A gradual decline then ensued until 1520, interrupted only by a relatively brief minor maximum centered at about 1400. The first deep prolonged minimum centered at 1520, labeled by



Eddy the 'Spörer Minimum' after the German scientist who first noted it in 1887, covered the years 1460-1550. Finally the 'Maunder minimum,' named after the British astronomer who first called attention to it in 1890, occurred during the years 1645-1715." Source: *Sun, Weather, and Climate* by John Herman & Richard Goldberg, NASA, Washington DC, 1978.

Our civilization is nearing a necessary turning point. If, as many believe, the flow of our civilization is directly tied in with the solar activity we may see some interesting changes in our lifetimes.

In our last report we commented on the planetary aspects occurring during the high solar activity in December and January, and provided examples of these angular relationships from a heliocentric viewpoint. We noted that the most intense flaring coincided with Jupiter coming into an exact 150 degree aspect (quincunx) with Saturn, and subsided as Jupiter moved out of this configuration. Mars was also in a powerful conjunction with Jupiter during this same period.

As this data coincided with John H. Nelson's research into solar activity in relation to planetary positions carried out back in the 1950s, we were curious to see what was happening 'out there' during the major flaring of March.

Now, Saturn is moving very slowly towards Neptune, and these two bodies will conjunct exactly sometime in July. Meanwhile the giant planet Jupiter, having shifted its alliance from Saturn as we noted above, proceeded to move into the same 150 degree aspect with Neptune. At the time of the massive X15 flare on 6 March, the aspect was exact. Interestingly Mars has also been prominent during this high activity opposing Uranus, then Saturn and Neptune. Mercury and Venus have also been precisely involved in this configuration as the example charts show.

It's too early to form any conclusions about specific

planetary dynamics causing solar flares - these events will need to be plotted carefully and consistently over a long period - but already there are indications that the planetary children of the solar system, just like kids everywhere, are keeping old Ra hopping.

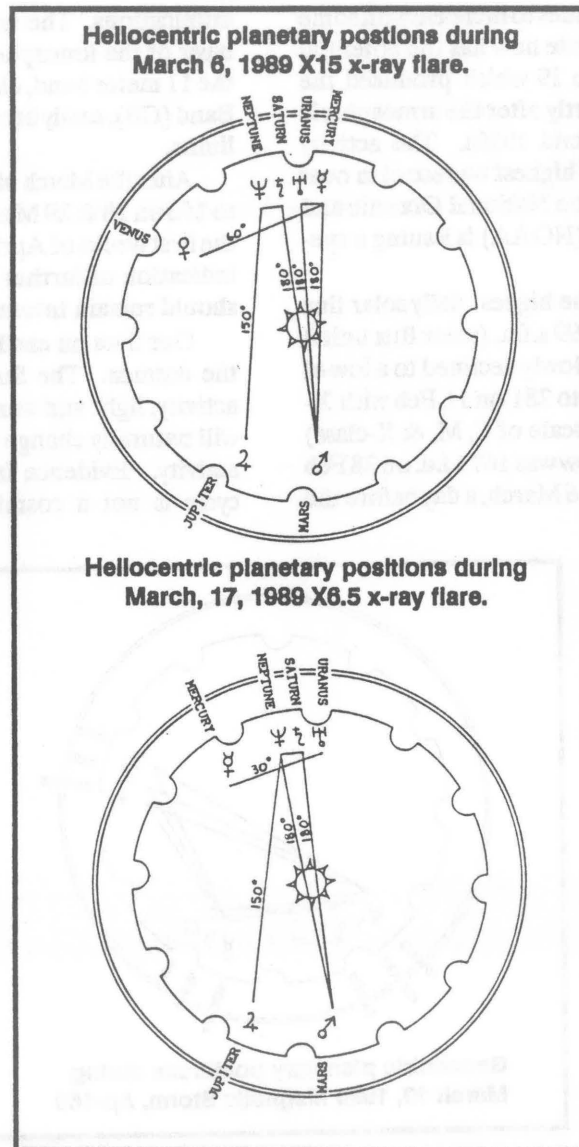
Returning to the geocentric sphere, the chart we ran of the severe magnetic storm of 13 March is quite interesting with nine planets forming three clusters of three planets at 60 and 90 degree angles to each other. Major geomagnetic activity is common and expected several days after a major flare due to particle bombardment, but this came a full week later than the big flare.

Astrologically we are in a very interesting phase with the slow moving outer planets Saturn and Neptune forming exact conjunctions three times this year - an event which occurs only every 36 years. Such aspects between these slower-moving bodies have been shown to exert a marked effect (sometimes subtle and sometimes dramatic) upon the affairs of humans on earth, tending to work in a generalized, generational sense (that is, through the collective unconscious of the human race). They could be likened to a lens through which the cosmic energies are focussed.

Saturn and Neptune could be regarded almost as polar opposites of each other. Where the principle of Saturn is structure and consolidation, ruling the teeth and bones of the body, and occupations dealing with building, banking, finance and government and corporate structure; Neptune is the principle of universal love and the perfection of values. Neptune

rules the pineal gland, inspires the artist and musician, and is associated with clairvoyance, healing, psychic work, films, drugs, oils and the ocean.

With this conjunction then, it is not surprising to see these widely divergent energies manifesting with greater intensity as the 90s draw near, both negatively as well as positively.



On the negative side of Saturn we see increased bureaucratic control and an emphasis on material possessions and temporal power—the realm of yuppies and tyrants—increased power of the world banks and multinational corporations exploiting and putting the screws on ‘third world’ countries to repay their massive debts. We also see new political structures forming, such as the European Community, with its goal of standardizing the monetary and legal systems of individual European countries.

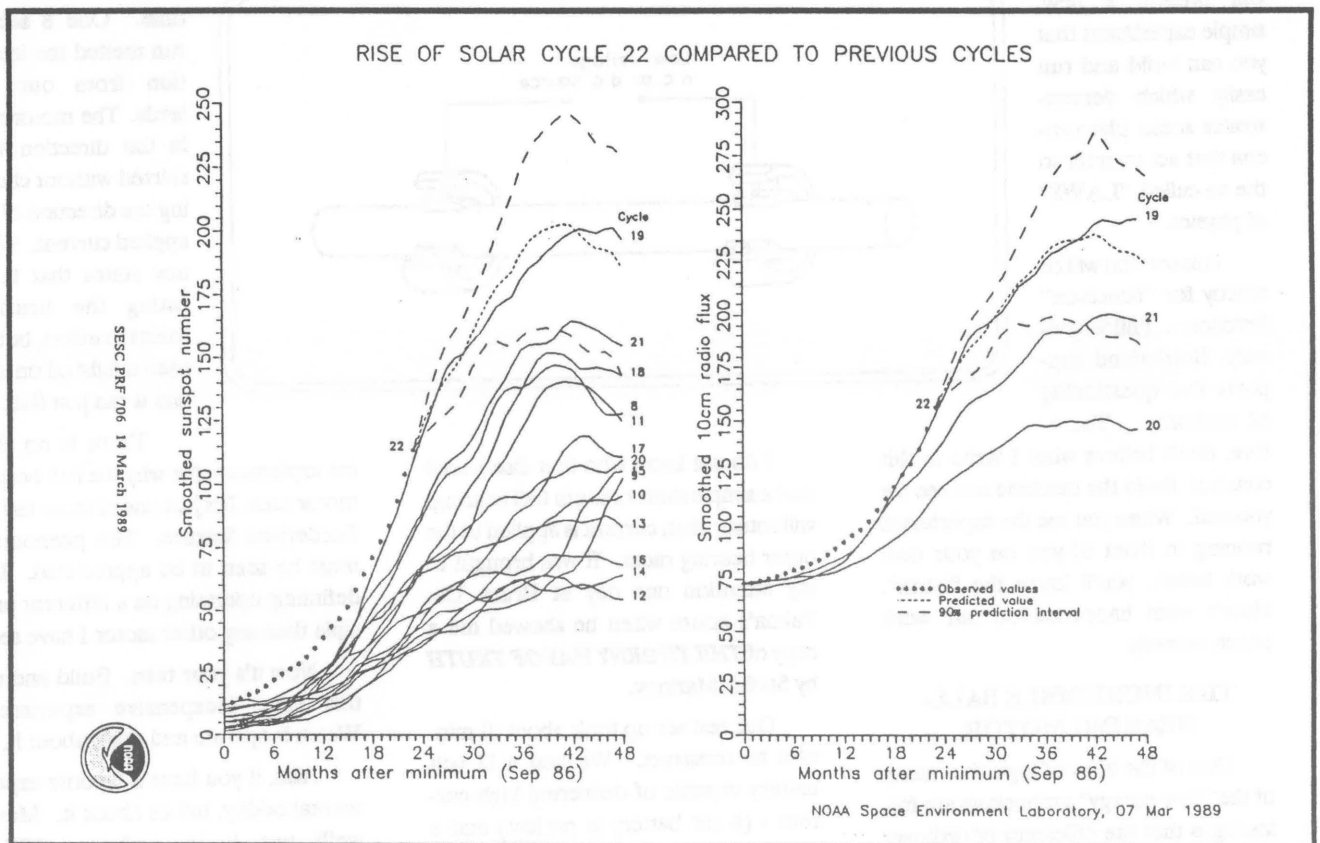
On the negative side of Neptune we have the ‘drug problem’ as people seek to escape the intensity of Saturn’s limitations, also the unnecessary secretiveness and deception practised by the governing authorities, disinformation disseminated through the media, as well as the illusions constantly projected through film and television. We are also witnessing an upsurge in fundamentalist type religions seeking to impose their structured belief systems on the world, and at the other extreme, the mass appeal of psychic channellers with their too often clichéd, delusory and unchallenged messages.

Another example of this inverted Neptunian vibration was graphically illustrated in the recent tragic oil spill in Alaska, with both oil and the ocean being under Neptune’s rule, and the desire for monetary gain (Saturn) over-riding any concern for the safety of the envi-

ronment.

However on the positive side of this powerful conjunction, discerned through the clouds of confusion and chaos, we are seeing the spiritual qualities of Neptune working subtly to dissolve the grip of rigid economic structures, such as the stock market and our entire monetary system (look out for the coming depression); and political structures, especially in eastern bloc countries, central America etc. There is a desire to break through existing circumstances to manifest our dreams in the physical world. The forces of inspiration are finding ways to crystallize (Saturn) through people to the Earth, and in the many fields of borderland science, especially those concerning health and energy, truly humanitarian groups are taking on definite form to impart a new/old knowledge based on spiritual rather than material principles.

After all Saturn is the teacher who provides the pattern for growth, and the “bridge” between the forces of universal consciousness (including Neptune) and the forces of material existence and the personal Self. With the discipline and endurance of Saturn coupled in harmony with the inspiration and unselfish love of Neptune, we can ride happily through even the toughest times facing us.





# FIZIX KORNER

With Peter Lindemann

This is the first of, hopefully, a continuous series of articles for the journal to keep you back yard experimenters out of the deadening University physics departments and in your shops where at least you've got a chance of learning something. Except for this opening statement, I promise to keep the political diatribe to a minimum and the facts of Borderland Science to a maximum. Your editor, Tom Brown, has repeatedly asked me to contribute articles for the journal on a regular basis. This then is the beginning of my answer to his pleadings.

As many of you know, I have been interested in the possibility of "FREE ENERGY" for 15 years. Each journal, I will present a new, simple experiment that you can build and run easily which demonstrates some phenomena that act counter to the so-called "LAWS" of physics.

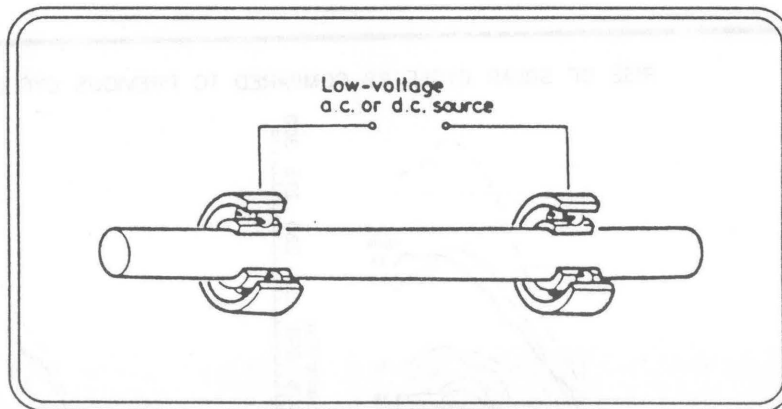
This column will be strictly for "hands-on" heretics. Philosophically, Borderland supports the questioning of authority. Therefore, don't believe what I write in this column! Build the machine and see for yourself. When you see the experiment running in front of you on your own work bench, you'll know the "truth". Here's what happened on our work bench recently.

## THE INCREDIBLE BALL-BEARING MOTOR

One of the lines of logic that many of the "free energy" enthusiasts are following is that the efficiency of ordinary

motors and generators is related, not to the supposed "LAW OF THE CONSERVATION OF ENERGY," but to the particular geometry of the device. Enough tests have been run to say without hesitation that 746 watts only equals 1 horsepower in standard devices. The latest N-MACHINE style generator of Paramahansa Tewari is clearly generating over 1500 watts per horsepower.

It is, therefore, very worthwhile to experiment with any configuration of materials that creates either generating or monitoring effects that is not passing a current carrying wire in front of a magnet which, of course, is the standard configuration.



I do not know who first discovered that a simple shaft riding in ball bearings will rotate when current is applied to the outer bearing races. It was brought to my attention one day at Bruce DePalma's house when he showed me a copy of *THE THORNY WAY OF TRUTH* by Stefan Marinov.

Our test set up took about 10 minutes to construct. We had a 12 volt battery capable of delivering high current - (a car battery is perfect) and a couple of clip leads and a shaft sitting in

two bearings placed on a table. An ammeter capable of measuring high currents was placed on one of the battery cables. A multi-meter was clipped across the bearing races to measure the voltage drop across the "motor". When the circuit is completed, about 85 amperes registered on our ammeter and the bearings smoked but the shaft did not rotate. As predicted, the device has ZERO starting torque.

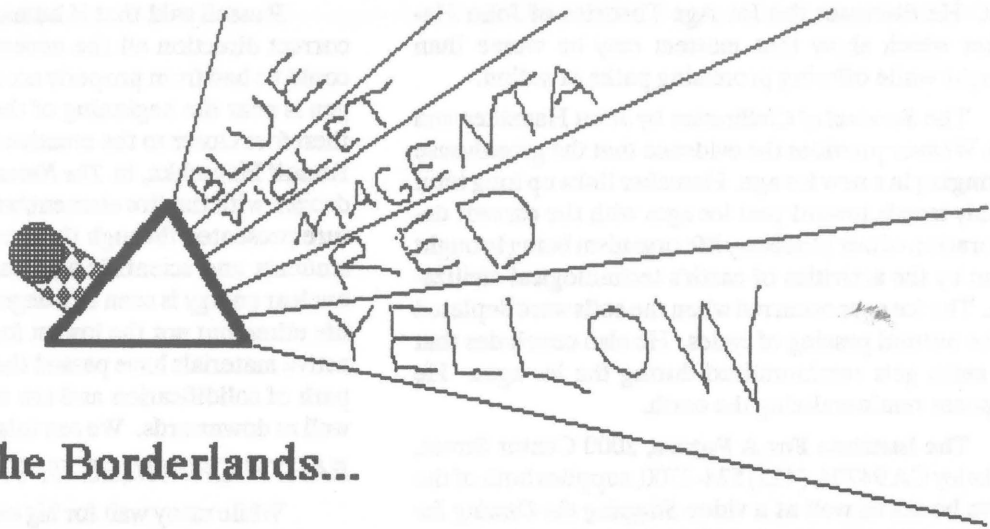
Next, someone spun the shaft by hand and before it stopped, the current was applied again. This time the shaft accelerated to high speed, drawing 85 amperes across 2.5 watts, for a power consumption of 212.5 watts. We ran the

unit multiple times for about 5 seconds at a time. One 8 second run melted the insulation from our clip leads. The motor runs in the direction it is started without changing the direction of the applied current. Marinov states that lubricating the bearings fouls the effect, but we used a light oil on ours and it ran just fine.

There is no clear cut explanation for why the ball bearing motor runs. It's just one of those facts of Borderland Science. This phenomena must be seen to be appreciated. It is definitely operating on a different principle than any other motor I have seen.

Now it's your turn. Build and run this easy, inexpensive experiment. Watch it operate and think about it.

Also, if you have a favorite experimental oddity, tell us about it. Maybe we'll put it in a future FIZIX KORNER.



## VIEW From The Borderlands...

By Tom Brown

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### THE WORLD

I sometimes wonder what the future will bring. The skin is being ripped off the earth. Many species of animals are dying. Farmers are being run off their land as 'modern' agricultural methods coupled with drought conditions are cutting off our food supply, and many areas' water supply. The pollution thickens. There is still a lot of love and life on this planet and though times are intense there is still much room for optimism. Changes must be made, but based on as good a view of the situation as possible.

### SQUARE WAVE WEATHER

Take for example the weather. This winter we have had several "freak" snowstorms in an area that rarely sees the crystalline form of water. A big freeze in early February hit many places around the world including the Garberville area where we were snowed in for a week with frozen pumps. Then a series of Pacific storms hit the west coast of America in early spring dumping many inches of rain. As soon as the rains ended it was summer, overnight, with searing heat for one day. Then it was warm late spring weather.

For the last couple of decades the weather has been getting harsher. The gentle cycle of the seasons is losing its moorings, probably due to nuclear fission and deforestation. Record cold winters have been occurring along with record hot summers. Record snow covers have blanketed the earth in recent winters. There have been droughts and there have been floods.

The press has been presenting us with woeful stories on the coming 'greenhouse effect' which is to heat the earth, raise the sea levels, and bring drought, etc.

Maybe something else is happening?!?

The greenhouse effect is the opinion of certain scientists starting with Roger Revelle, of the Scripps Institute of Oceanography in 1957, and is based on certain data. Calculations of the average overall global temperature may indicate a graph with the trend toward warmer times, but this is one way to represent the data and is but a one-dimensional view of a multi-dimensional phenomena. An intelligent person can see what is really happening while the media tells us of the generalized warming trend, and they fail to mention a 1974 CIA report concluding a trend toward global cooling and the fact that a year later the National Academy of Sciences concurred. So despite the facts the hot greenhouse is the official line.

What appears to me to be happening is a global desertification, bringing wild swings in ambient temperature over various regions. Astrosonics pioneer Michael Heleus has termed this phenomena "square wave weather" which catches the feeling quite well.

Deserts have wide swings of temperature due to lack of lush plant life to smooth the cycles of the nature organism. The desert is harsh, but it is a place of strength and purification. It cannot support a large population.

It appears that Nature has been released from her moorings and wilder times are yet to come.

### ICE

There is the theory that the greenhouse is producing global warming and cooling. Larry Ephron, author of *The End: The Imminent Ice Age and How We Can Stop It* (Celestial Arts), says that those who promote the greenhouse warming are doing a grave disservice and diverting attention from the serious situation we are facing

now. He discusses the Ice Age Theories of John Hamaker which show that matters may be worse than thought while offering promising paths of action.

The *Survival of Civilization* by John Hamaker and Don Weaver provides the evidence that the greenhouse is bringing in a new ice age. Hamaker links up long term earthly trends toward past ice ages with the current deterioration of our planetary life organism being brought about by the activities of earth's technological civilization. The ice ages occurred when the soils were depleted by the natural passing of cycles. He also concludes that the earth gets remineralized during the ice ages. He proposes remineralizing the earth.

The Institute For A Future, 2000 Center Street, Berkeley CA 94704, (415) 524-2700, supplies both of the above books as well as a video *Stopping the Coming Ice Age*. What they propose is: 1. Stop the clearcutting/burning of the world's forests which is creating excess carbon dioxide. 2. Plant vast quantities of new, fast-growing trees to consume some of the excess carbon dioxide we now have. 3. Revitalize the forests by remineralizing their depleted soils with finely ground gravel dust, which will increase growth rates by 300-500%, as the glaciers do during the ice age. 4. Take a short two- or three-year vacation from burning large quantities of "fossil" fuels, to give the revitalized and expanded forests a chance to consume enough carbon dioxide to bring us back from the brink of holocaust. 5. Switch to cleaner natural gas and some solar energy for essentials, and in a few years start using some of the newly planted trees to make clean-burning methane and methanol. Sounds like its worth a try, and definitely more optimistic than the pictures we are fed by officialdom.

## **NUCLEAR SUICIDE**

We have already heard some rumblings that perhaps nuclear power is not so bad because all the "fossil" fuel pollutes the air adding to the global problems. But in reality it is the nuclear orientation which helps bring the desertification about much faster. Walter Russell warned that the proliferation of nuclear fission would bring about the rapid death of life on our planet.

Radioactive substances are decaying and belong in the ground—just as a rotting corpse belongs in the ground—transforming into life again. Russell claimed that the radioactive materials created the soil and the air while under the ground, providing life, but when brought above ground could only bring death. Just as Saturn has thrown off rings, Russell said that all death takes place by throwing off rings of energy. Nuclear fission would begin destroying the atmosphere as the energy bands are thrown off. Now the ozone is disappearing and scientists are wondering at its cause. If we dig up a half rotted corpse or vegetable it can make us quite sick if we eat it.

Russell said that if humanity would orient in the correct direction all the necessary fuel for civilization could be had from properly accessing hydrogen. Hydrogen is near the beginning of the chain of matter, and is therefore closer to the creative energies of the universe. Rudolf Hauschka, in *The Nature of Substance*, links hydrogen with the fire element/warmth ether in the structure presented through the work of Rudolf Steiner, his students and scientific associates. In this framework nuclear energy is seen as a degenerate expression of the life ether, but not the lowest force yet possible. Radioactive materials have passed the point of gravity in their path of solidification and are now moving outwards as well as downwards. We see this as radioactive particles.

## **EARTH CHANGES IN THE RECENT PAST**

While many wait for big expected dramatic changes in our earthly environment, a view into the historical past will show that perhaps we are deeply in the midst of the changes. Several California Indian tribes have legends of the central valley of California being a large lake, which drained a few hundred years back through the San Francisco "Golden Gate". (Source: TRIBES OF CALIFORNIA by Stephen Powers, University of California Press)

Early Spanish explorers thought that Southern California was an island because they could bring their ships up on both sides of what is now known as San Diego County. Evidence shows that the inland Salton Sea in the Imperial Valley may have been the northern tip of the Gulf of California. (Source: UNKNOWN EARTH: A Handbook of Geological Enigmas by William R. Corliss, Sourcebook Project) There are legends of a lost Spanish galleon either under the Salton Sea or buried in the sands of its shore. There is also a curious Seri Indian legend of a Viking ship visiting Tiburon Island in the Gulf of California, perhaps around 900-1100 A.D. A ship which may have been theirs was sighted in the hills near Aqua Caliente Springs California in the 1930s, but was then buried under an earthquake stimulated landslide. (Source: MYSTERIOUS CALIFORNIA by Mike Marinacci, Panpipes Press)

These stories are not so hard to imagine when one looks at the town of Napier in New Zealand. A large earthquake in 1931 lifted a large section (3650 hectares) from the sea. The airport and many nice seafront homes are on land that was under the domain of Neptune a bit over half a century ago. How much land has risen and sunk during recent centuries in areas that have been off the beaten path?

## **TO BENEFIT THE EARTH**

There are ways that individuals can begin to make a difference in all this. The intuition of upcoming disaster is firmly imbedded in our present consciousness



and that alone may be at the source of our problems. Polar flips, greenhouse effects, UFOs—good or bad, the Second Coming and the advent of Biblical prophecy, etc., are all symptoms of this thought pattern. Perhaps the earth is headed for some sort of upheaval which may very well end our current world civilization, but it also may not! We must wait and see and do something to benefit the earth in the meantime. If major disasters change the surface of our planet and smite large segments of the population in the next 10-20 years then of what use is any effort in the right direction?

It is the belief and teaching of many cultures, who still are or once were in close contact with the natural forces and cycles, that there is a component of consciousness-spirit that survives after the physical body ceases functioning. My personal experiences in this animated physical body have given me indications that this aspect of reality is far more than intellectual speculation.

The Tibetan science of reincarnation describes five *skandas*, or aggregates of consciousness, relating to the four elements and the all-pervading ether. These then relate to the five main chakras of the Tibetan system (broken into seven in other systems), which relate to the glandular functioning of the physical body. The purpose of initiation is to link these centers together so that they may survive and grow stronger from incarnation to incarnation. (*Gurdjieff had the concept of earning the soul!*) If one does not have these centers linked through spiritual experience then upon death they can dissipate and return to their element. Thus re-incarnation of your present consciousness aggregate is not a sure thing but depends upon many varying and complex factors. Following this line of thought we can see the utmost importance of Good Thoughts, Good Words, Good Deeds, in our path through space and time.

In regards to the status of the earth in our present materialistic age we must strive to seek the archetypes from which natural patterns emerge and follow them in our lives. The preparation and imbibition of good food is of the essence in all this and a global desert will not support a viable large-scale agriculture.

### **PLANETARY DESERTIFICATION**

Dr. Wilhelm Reich caught early wind of the global desertification which he attributed to the "character armoring" of humanity. Through the use of his "cloud-buster" he was able to bring greening to the desert by removing DOR (Deadly Orgone Radiation) being spewed from what he suspected were detrimental UFOs. Reich's indications that these craft were using primary *ETHERIC* energy were profoundly insightful. His fine work was stopped when he refused to allow the U.S. justice system to decide the status of his science. He was ahead

of his time and favored new dimensions of human endeavor backed by his discovery of the living orgone energy. "No [one] on this earth has the knowledge or power to decide what will be the knowledge of tomorrow" said he.

Trevor Constable has provided profound outgrowths of Reich's basic research in his Primary Energy Weather Engineering. As a man who goes by the saying "only results count," Trevor has shown that rainfall can be predicted in advance and delivered. The techniques for this do exist, but they are certainly not for everyone to try for themselves and we don't recommend weather engineering as a backyard project. A thorough knowledge of meteorology is of the utmost importance, and we are not talking about standard theories. One must grasp the etheric forces which drive the weather organisms. There are those whose true will can manifest in this field, and it is an important task for those few with the necessary physical, mental and spiritual acumen.

### **BREAD FROM STONES**

One of the first impulses to stop the flow of desertification came from Germany in the late 1800s. A gentleman by name of Julius Hensel began working with crushed stones, such as granite, as fertilizer. We have reprinted the introduction to the English edition of his book in this Journal to cover his basic ideas. Hensel said that if people started using chemical fertilizers then the next generations would have many illnesses, rotten teeth, decline of intelligence, etc. He was against direct manuring of the soil also. According to the ice age theories of Hamacker the glacial action crushes stones and spreads the dust worldwide to remineralize the earth. Hensel was the first of our modern times to begin taking steps in allowing humanity to maintain a livable, vibrant world.

### **THE ANCIENT METHODS**

Viktor Schauberger, known for his research into water flows and natural energy, also contributed valuable insights that will aid in bringing agriculture back to its harmonious position within a healthy society. He developed the 'noble' compost heap that would strengthen the ability of the environment to produce healthy plants. He also recorded ancient Germanic methods of farming, which included the stirring of loamy soil in earthenware containers. The stirring would be done in one direction until a good vortex was created and then the stirring would be reversed. The farmer would sing into the water as he stirred to combine his exhaled carbonic acid with the minerals in the water mixture. The tones would go up the scale during counterclockwise rotation of the liquid and down during clockwise. This liquid would then be sprayed on the soil and would produce minute crystals that strengthened the energy of the environment, and would allow healthy plants to grow. Schauberger

also promoted the use of copper tools because iron agricultural tools cut the earth's magnetic lines and allow detrimental activities to take place such as the loss of soil vitality and the lowering of the aquifers.

## **BIODYNAMICS**

Rudolf Steiner's intuitive insights given to farmers and scientists has provided for the development of what is now known as Bio-Dynamic agriculture which has already reaped millions of acres of vibrant farm land, much of it from desert. Steiner's input to agriculture is oriented toward force over substance, quality over quantity, and is basically a scientific rendering of the ancient methods which Schauburger was aware of.

While Hensel was against manuring, the BD method is based on proper composting of manure and organic field waste, as well as treatment of the soil and plants with potentized solutions of mineral and organic substances.

In one BD preparation cow manure is buried in a cow horn for six months. When dug up it is stirred into water in a container, preferably earthenware, in one direction until a vortex is formed and then the other, to and fro, for one hour. This is then sprayed on the field before planting in spring, or after harvest in the fall. A similar mixture is made from powdered quartz and this is sprayed on the leaves of growing plants. Other compost starters, various herbs & plant matter prepared to specific stages of decomposition, are inserted into compost piles and act as organs in the compost organism to create a neutral humus for the soil.

The Bio-Dynamic movement has been gaining momentum since the late 1920s and there are groups all over the world utilizing these principles. Some of the sources for this information are listed in the BSRF Bulletin Board - *Contacts* section of this Journal.

Important outgrowths of Steiner's indications can be found in the works of: Dr. Ehrenfried Pfeiffer, who worked with the BD compost starters and with the crystallization of soil to test for life forces; Rudolf Hauschka, who scientifically exhibited the fact that ponderable matter in the plant comes from the cosmos as well as the soil; and Eugen and Lilly Kolisko, whose experiments with the crystallization of metallic salts during different solar, lunar and planetary alignments provides a basis for comprehending the workings of the etheric forces in elemental substances. They all demonstrated, through physical scientific experiments, that there are definite formative forces at work in plant life. A thumbnail sketch of these scientist's works is beyond this edition of this column. Suffice to say that a review of their experiments will show that there is definite and definitive cosmic interaction in earthly activity.

## **SOIL AND SOUL**

So what does agriculture have to do with Borderland Sciences? The purpose of Borderland is to peer into the unseen world, to understand the forces beyond our five senses. Agriculture and meteorology are the most direct approach in which to observe the etheric forces in action. The motions of planets control the structure of plants. This has been shown clearly in the book **PLANETARY INFLUENCES UPON PLANTS** by Ernst Michael Kranich, (Anthroposophic Press). In that book one is led to an understanding of plant structure in relationship to the manifold motions of the cosmos. The illustrations and concepts are profound and can be easily seen and understood.

Lilly Kolisko, one of the many brilliant minds who worked with Steiner, did many series of experiments to show the interplay of cosmic forces with material substance. In her book **SPIRIT IN MATTER** she shows the different crystallizing activity of silver nitrate solution (1%) on blotter paper, during both day and night. The dramatic results showed that during the day the silver nitrate solution would form a definite linear boundary as it rose up the paper placed in the solution. At night a wavy boundary, actually looking like waves on a body of water, would appear. This was one of the more simple of a series of increasingly complex experiments using mixtures of metallic salts in solution during various cosmic events; the Equinoxes, Solar Eclipses, planetary alignments, moon phases.

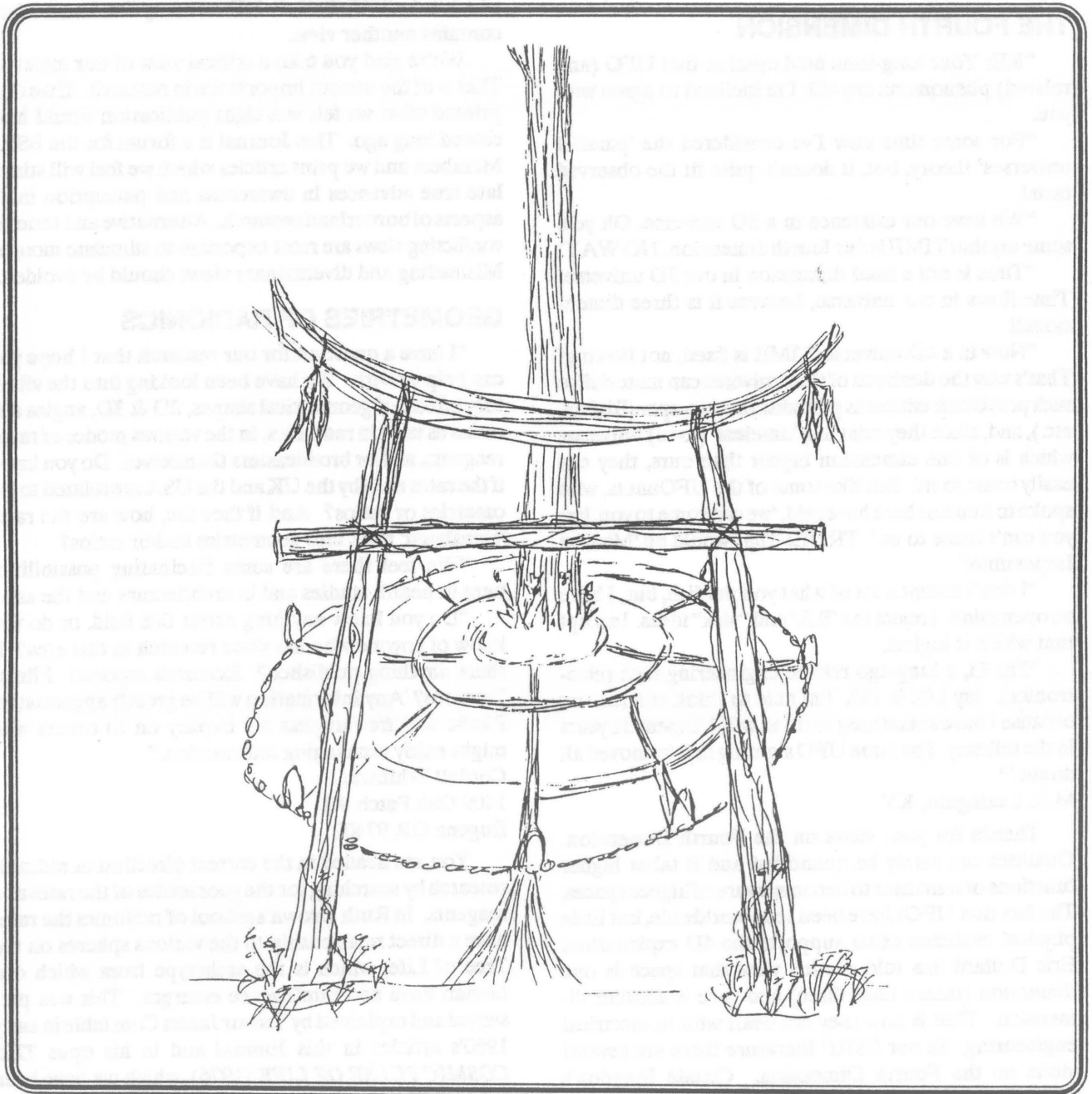
Growing plants is one way that we all can participate in the health of our planet, even if only on your windowsill. You can see the etheric forces in action. They hold the plant up. When the suctional forces are gone we see the solid elements of the plant fall to the ground and transform, through decay, to the elemental state. Reich's Orgone Accumulators, layers of organic (absorbing) and reflecting (inorganic) substances, can be utilized to increase the growth rate of sprouting plants and for many other aspects of dealing with living organisms, animal or vegetable. Experimentation with methods presented by Hensel, Schauburger, Reich, Russell, and Steiner & company will aid one in gaining true contact with the natural forces.

In other books by the above mentioned scientists one can find many experiments utilizing plant life to understand the etheric formative forces. In future columns I hope to elaborate, this is but an overview. These experiments can all be reproduced, and the data remains for the true scientist. This is the practical side of the Borderland Sciences and the path for a world that wants to survive. The borders of our present conceptions of reality can be crossed quite easily once the way is shown. The answers reside within us. Who will answer the call?

## THE BORDERLAND GARDEN

Gardening in the remains of the redwood forests of northern California is a real challenge. For the last two years Alison has been working away on our garden herewith minor success. We are in a valley, on the north slope of a hill with acidic soil. Not the greatest spot for farming. This year I have joined in and we are working away, trying many new ideas. We are working to instill the biodynamic impulse into the land with the compost starters and sprays, and are working to make the acidic soil more balanced and full of the life forces that will aid

in vegetable growth. A large stoneware container has been acquired which allows the formation of excellent vortices in stirred water. We are looking for a source of, or a methodology for, crushed gravel dust to try Hensel's ideas. We are working the garden with handmade wooden tools, and are looking for some sheet copper to bring the oak spade in line with Schauberger's line of thought. It remains to be seen how our third year will go, but it gives us great pleasure to actively participate in the activities of the living skin of our planet. Plus, it feels great to stick my hands in the earth after a day at the computer.





# 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.

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## LETTERS

### THE FOURTH DIMENSION

"RE: Your long-time held opinion that UFO (and related) phenomena are 4D: I'm inclined to agree with you.

"For some time now I've considered the 'parallel universes' theory, but, it doesn't quite fit the observed facts!

"We have our existence in a 3D universe. Oh yeh, some say that TIME is our fourth dimension. NO WAY!

"Time is not a fixed dimension in our 3D universe! Time flows in our universe, because it is three dimensional!

"Now in a 4D universe, TIME is fixed, not flowing! That's why the denizens of that universe can materialize such prehistoric critters as pterodactyls, man-apes (Bigfoot, etc.), and, since they exist in a 'timeless' (to us) universe, which is of one dimension higher than ours, they can easily come to us! But like some of the UFOonauts, who spoke to humans here have said, 'we can come to you, but you can't come to us.' TRUE! That would be 'Mission Impossible!'

"I don't accept a lot of what you publish, but, I have an open mind. I reject the 'B.S.' and "sick" ideas. I accept that which is logical.

"I'm 73, a long-ago retired engineering tech (electronics). My I.Q. is 183. I'm able to think and reason, because I have something to think with! I spent 31 years in the military. I had one UFO sighting that 'removed all doubt.'"

M.R. Lexington, KY

Thanks for your views on the Fourth Dimension. Qualities can rarely be quantified and it takes higher functions of sentience to become aware of higher spaces. The fact that UFOs have been seen worldwide, but little physical evidence exists supports the 4D explanation. Eric Dollard has told me his view that space is one dimension (rather than three) and time is another dimension. That is how they are dealt with in electrical engineering. In our BSRF literature there are several views on the Fourth Dimension. Claude Bragdon's PRIMER OF HIGHER SPACE is one interesting view,

and the essay GOETHE'S CONCEPTION OF SPACE which is in THE FOUR ETHERS by Dr. Ernst Marti contains another view.

We're glad you take a critical view of our material. That is of the utmost importance in research. If we only printed what we felt was right publication would have ceased long ago. This Journal is a forum for the BSRF Members and we print articles which we feel will stimulate true advances in awareness and perception in all aspects of borderland research. Alternative and rational conflicting views are most important to stimulate thought. Misleading and diversionary views should be avoided.

### GEOMETRIES OF RADIONICS

"I have a question for our research that I hope you can help us with. We have been looking into the vibratory effects of geometrical shapes, 2D & 3D, angles and ratios as used in radionics, in the various modes of rates, reagents, and/or broadcasters themselves. Do you know if the rates used by the UK and the USA are related to geometries or ratios? And if they are, how are the rates 'translated' back into geometrics and/or ratios?

"We feel there are some fascinating possibilities here in health studies and in architecture and the arts.

"Do you know anything about this field, or do you know of anyone who has done research in this area? Is there anything published? Research reports? Films? Lectures? Any information will be greatly appreciated. Please feel free to pass my inquiry on to others who might enjoy exchanging information."

Cordell Whitaker  
1409 Oak Patch #3  
Eugene OR 97402

You are headed in the correct direction in radionic research by searching for the geometries of the rates and reagents. In Ruth Drown's school of radionics the rates have a direct relationship to the various spheres on the Tree of Life, which is the archetype from which our human form and intelligence emerges. This was presented and explained by Trevor James Constable in early 1960's articles in this Journal and in his opus *THE COSMIC PULSE OF LIFE* (1976), which we have been informed by Trevor is currently undergoing updating

and reprinting. The structure of the instrument creates a vibration in the ether and each rate creates its own structure, just as different forms take shape in sand on metal plates vibrated with differing tones. Dr. Hans Jenny's CYMATICS work dramatically demonstrates this principle, and the Chladny plates and the Eidophone voice figures add further corroboration. Dr. Peter Guy Manners has carried the CYMATICS work into practical healing with sound. They discovered that five concurrent tones would create a three dimensional structure in sand, lycopodium powder, or similar substances. He has been able to discern the audio tones, or 'rates' if you will, that can aid in rejuvenating internal organs that are in a degenerate condition.

It is important to understand that any true radionic system will function on the life structures of the etheric. Computerized 'radionic' equipment is not radionic at all, but psychotronic (e.i. psychokinetic), and has helped blur the understanding of these two diverse fields. A computer instrument simply flashes numbers on the screen. Ruth Drown's, as well as most of the early radionic equipment, consists of a meaningful structure in space. Drown's students were admonished not to let their thought patterns interfere with the true radionic process. Psychotronic explanations infer that it is only the belief system of the person that matters whether or not the equipment will work. There is a clear difference.

Perhaps some BSRF Members can answer your questions better than I. I would like to know a bit more on the relationship between the US and the UK rates. COSMIC PULSE will be in print again in the near future. The work of Dr. Hans Jenny and Dr. Peter Guy Manners is available on video format (*CYMATICS*) and we hear in published form also.

## DIA- & PARA- MAGNETISM

"In your publications on Viktor Schauberger's work I see references to diamagnetism. I've also heard the term paramagnetism. Can you define these terms for us common folk readers?"

B.N., New York, NY

To answer you question I'm going to quote directly from *QUESTIONS AND ANSWERS ABOUT ELECTRICITY*, Edited by E.T. Bubier, 1896, republished by BSRF in 1989 (\$7.50 + P&H).

**Q: What is Meant by Magnetic and Diamagnetic Bodies?**

A: A magnetic, paramagnetic, or ferromagnetic body is one which is attracted by the magnet, which, if suspended in the neighborhood of a magnet tends to stretch from pole to pole thereof; which has a high affinity for magnetic lines of force, and through which lines of force (the elements of a field of force) pass more readily than they do through air. A diamagnetic body is exactly the re-

verse of the above. Suspended in the neighborhood of a magnet it tends to place its longest axis across the line connecting the poles, it has less affinity for lines of force than has air and tends to be repelled by a magnet."

## EFFICIENT CARBURETORS

"While looking through old copies of the Journal for 1979 I again noticed the interest in gas saving carburetors. Back in about 1935 I built one that worked well but before I tell you how I'll tell you why."

"Internal combustion engines blow about 80% of the fuel out the exhaust stack because the fuel is not broken into small enough particles. Only the outside of the drops of fuel are exposed to oxygen. Air is only about 23% oxygen so it is difficult to get every molecule of fuel close enough to the oxygen for all of it to be combined. Most of the droplets are still burning as they go out the exhaust valve. In so doing they heat the valve. Modern practice dictates that to keep the valve from becoming overheated and thus ruined, the mixture must be enriched. The liquid gasoline strikes the valve and boils off. The heat of vaporization thus cools the valve. However, if there were no burning drops to heat the valves in the first place the valves would not have to be cooled and the 80% of the fuel that is wasted could be put to useful work. So the goal is to vaporize the fuel completely so that it will mix well and burn completely.

"Most such devices heat the air which reduces its density. In other words volumetric efficiency is reduced. So the air should be kept cool but the fuel must be heated to make it into a true vapor.

"Back in about 1935 the price of gasoline was 16¢ a gallon. A laborer's wage was about the same per hour, and even that wage was difficult for many to earn. Stove oil sold for 6¢ a gallon so I decided to run my 1928 Chevy on stove oil. Normally it got about 20 miles per gallon. After it was converted to run on stove oil it got near 70 miles per gallon, and the fuel cost only a third as much.

"The engine was started in the usual mode then when the exhaust manifold got hot all I had to do to switch over to stove oil was step on another foot accelerator pedal. You see I had two gas pedals. One for gasoline and the other for oil. I had to have two fuel tanks and two vacuum tanks as in that car there was no fuel pump. Then the fuel oil was metered by a Chevy downdraft carburetor before it went to the heater and then to a side draft carburetor which had the second throttle which was operated by the second pedal.

"By this arrangement the fuel only was heated then mixed with the air. The side draft carburetor was one made by Holley for Model T Fords. They called it their Hot Spot carburetor. I didn't use their hot spot but just the part that metered the fuel. It was called a flutter valve carburetor because it had a weighted valve to induce a partial vacuum to pull in the heated fuel.

"If I were to build one today for a big V8 engine I'd use a propane conversion unit. That is I'd use the heater and the carburetor that sits on the top of the gasoline carburetor. They are usually built right into an air filter. I'd use diesel fuel because it is of about the same calorific value and readily available. The diesel fuel would be heated in the propane heater and then handled just like propane.

"The engine would have to be started on gasoline just like I did the old Chevy. Instead of having two foot pedals a solenoid valve would be used to switch fuels. Diesel would take a little more heat to vaporize it so a thermostat of higher rating should be used and maybe a higher pressure in the radiator obtained with a pressure cap. If the radiator was kept hotter the automatic transmission should have an oil cooler. Because a reduction of 20° F of the transmission oil will about double the life of the transmission.

"All the components are readily available over the counter at auto supply stores. Sure I could make up some drawings and sell them mailorder and make a few dollars. That is the trouble with most inventors, they are greedy. I have other ideas that I'd rather develop. Have fun!

"Here is a sketch of the old Chevy"  
Your friend, C.A.  
Molko, Nampa, Idaho

Thank you for your information on this which comes at a time of rising gas prices. The large automakers have shown their utter contempt of the public by never delivering cars that really save on fuel. The burden for the excess pollution from autos is then put on the customer, rather than on the cause--the greedy auto monopolies. This project is probably a bit too much work for most of our readers, but there are a few who can put this info to work, and we'd like to hear of any results.

## RECEIVED

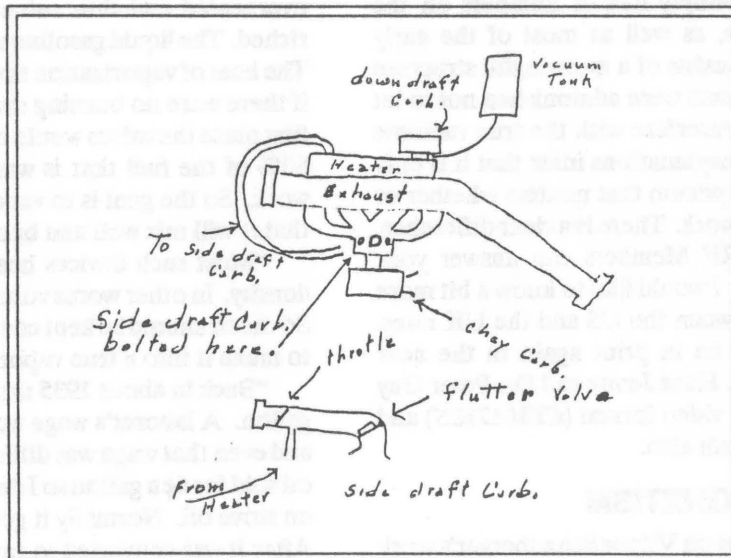
*This section is a listing of incoming materials. BSRF Members are encouraged to further research on these materials and submit the data to this Journal.*

\* **Syphilis in the Pathogenesis of Acquired Immunodeficiency Syndrome (AIDS) Complex** by Michael J. Ur-

ban, Ph.D. This is a reprint of an article published in the International Journal of Biosocial Research, PO Box 1174, Tacoma WA 98401-1174. A reprint is \$3. A shorter version of this paper was published in the May-June 1988 JBR as **Reflections on the Plague Years**. The basic premise is that the HTVL-III virus is not the cause of AIDS, but is a co-factor which confuses the issue. Michael covers some excellent ground. We get an overview of the conspiracy and God's wrath stories which have little to do with helping the situation. Then Michael presents the well backed hypothesis that tertiary syphilis may be the primary culprit in AIDS. An important piece of the AIDS puzzle and well worth reading.

\* **UFOS AT THE TURNING POINT** From Shock Value/RAD Productions, 8306 Wilshire Blvd. #972, Beverly Hills CA 90211. This is an interesting and informative video containing pertinent excerpts from recent lectures

by William Moore, Budd Hopkins, and Stanton Friedman. Bill Moore covers the current status of UFOlogy with the necessary attitude of an open-minded skeptic. His diligent research has overturned a few strongly held beliefs in the UFO field, and he herein puts several misconceptions to rest. He has uncovered more questions and he asks them. He discusses the MJ-12 group that was formed by President Truman to assess and manage the



UFO situation. Budd Hopkins shows a series of slides providing physical evidence of UFO abduction cases. The facts are there, he poses some haunting questions through his presentation. Stanton Friedman has valiantly worked through the courts and archives systems of the FBI, CIA, etc. in search of UFO files. He has uncovered definite evidence of a government cover-up, though he, like most of us, still doesn't know exactly what our government is up to in this field. His report on research into the authenticity of the MJ-12 documents adds further evidence to their reality vs. disinformation. Overall this is a most stimulating video, mainly because the lecturers focus on facts, though they speculate (and call it that) where gaps must be filled. We are adding this to the BSRF catalog listings. (\$39.95 + \$3 P&H, Californians add sales tax)



\* **SPECTRO-VIBRATORY IMAGING**, Donald R. Beans, 482 Electric Ave., Bigfork MT 59911. This is an informative and interesting VHS video-tape which is a follow-up of the article of the same title which we ran in the Jan-Feb 89 JBR. Donald has come up with a truly innovative advance in producing witnesses of substances to be used in radionic instruments. He uses a spectral photograph of the substance and then inserts it into the instrument which he has designed and built. Donald shows how to do it, and gives the addresses on where to buy the parts to fit on your camera, etc. His instrument setup is similar to the Malcolm Rae instrumentation, but rather than using a geometric symbol, a spectral photo is used. This technique can be used within the framework that Donald proposes and uses it, and can also be incorporated into any type of radionic setup. Donald has made an important radionic discovery that should be checked into by researchers. The tape costs \$40 and is well worth the price to see the work that he is doing.

\* **CATASTROPHISM AND THE OLD TESTAMENT: The Mars-Earth Conflicts** by Donald Wesley Patten, from Pacific Meridian Publishing Company, 13540 Lake City Way NE, Seattle Washington 98125. This looks like a well thought out and documented work which attempts to explain many of the currently unexplained mysteries of geological, astronomical and human history. Donald proposes a model for cyclic catastrophism which concurs with observed facts and recorded history. This looks interesting and we hope to run a longer review in an upcoming Journal.

\* **SO YOU WANT TO BUILD A CLOUDBUSTER?** by Dr. James DeMeo, Orgone Biophysical Research Labs, Box 1395, El Cerrito, CA 94530. As the title suggests the author has an attitude about cloudbusting in which he considers himself a superior authority. 90% of this book consists of a well oriented paradigm. James covers the "Overview of the Global Atmospheric Problem" and the reasons that people want to build a cloudbuster to help bring more rain to drought. I share the author's concern about random and misguided usage of Dr. Reich's invention. Everyone should agree with that. However, this book lapses into a poorly thought out emotional attack on anyone who operated a cloudbuster outside of official "orgonomic" circles. There is an ignorant and uneducated attempt to belittle Rudolf Steiner, who being labeled as a "mystic" is considered of no consequence to DeMeo. Trevor James Constable comes in for the same treatment. His originality in Primary Energy Weather Engineering, which has advanced beyond Reich's preliminary experiments, is something that "orgonomy" has not yet been able to come to grips with. Trevor is not mentioned by name, but it is quite obvious who is being spoken of by the misrepresented, and out-of-context,

references given. Its easy to throw stones from behind the bushes and that is what DeMeo unfortunately lapses into. That 10% of the book should never have been publicly released and makes the author look much worse than those upon whom he unleashes his biopathic attack. This book belongs in the compost heap. If I could have just one person read it that person would be the late Dr. Reich himself to see how his name is being used as a weapon to stop the progress of knowledge. This book, which tells you nothing about building cloudbusters (we agree with that), refers those who want to build one to read thoroughly through Reich's writings, a fine body of work well worth researching but having little to do with the weather. Nowhere does it mention even the basic understandings of meteorology or some direction on where to gain such knowledge. Your Director personally sent Dr. DeMeo copies of *ESSAY ON THE MODIFICATION OF CLOUDS* by Luke Howard, an excellent primer for understanding the atmospheric energies, and *WEATHER: Soul Life of the Earth* by Dennis Klocek, a view of the weather organism, in hopes of getting reviews for the Journal from one who has worked with the weather. DeMeo's response was that he couldn't understand what the authors were getting at! So, do you want him to build a cloudbuster? Not me!

## 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.*

\* **THE BIODYNAMIC FARMING AND GARDENING ASSOCIATION**, PO Box 550, Kimberton PA 19442, (215) 935-7797. A source for BioDynamic compost starters and many publications including the magazine *BIODYNAMICS* which published its 50th anniversary issue this spring. Top flight materials including the works of Eugen and Lilly Kolisko. We highly recommend that our members acquire these materials.

\* **THE PFEIFFER FOUNDATION**, Threefold Farm, Spring Valley NY 10977. A source for BioDynamic compost starters and information. Dr. Ehrenfreid E. Pfeiffer was one of the pioneers of BD farming both in Europe and the U.S.

\* **ANGELIC MERCANTILE**, Box 207, Mill Valley CA 94942, (415) 388-3965. We listed these folks in the March-April Journal as a source of gem and crystal candles. We gave out the wrong phone number and apologize if any problems arose from that. We also found out that they only wholesale the candles they produce, so ask your favorite store to order some of their great products.

\* **11th International Huna Seminar**, Los Angeles, CA July 7-9, 1989. Sponsored by Huna Research Institute this seminar will have many speakers and workshops. For more information contact the Huna Center (314) 334-3478; Steven Varro (403) 246-1080; or John Bainbridge (213) 463-1430.

\* **2nd International Keely Symposium**, May 19-21, 1989 in Colorado Springs, sponsored by Delta Spectrum Research, 4810 Airport Rd., Colorado Springs, CO (719) 591-6611. The work of John Ernst Worrell Keely continues to maintain a strong interest. Some of the speakers include: Dale Pond, Editor of Sympathetic Vibratory Physics, Jerry Decker of Vanguard Sciences, Ben Iverson, author of Pythagoras and the Quantum World, W.C. Wright, discoverer of Gravity is a Push!, Pamela Hughes, musician and lecturer on healing with sound, Walter Baumgartner, publisher of Causes magazine, and others. The registration fee also includes a one years subscription to Sympathetic Vibratory Physics.

\* **VANGARD SCIENCES**, PO Box 1031, Mesquite Texas 75150, (214) 288-9676. The Vanguard Sciences Group is a Dallas based organization formed for the scientific study of phenomena associated with field energies such as magnetism, electricity, frequency/phase relationships, acoustic and spectral phenomena, and their interests include aspects of biology, wholistic therapies, chemistry, electronics, faster than light travel, the aggregation-dissolution-transmutation-transference of matter, physics and other areas of current and futuristic science.

\* **MAGIC GARDEN SUPPLY**, PO Box 68, Redway CA 95560. This is a catalog supplying many types of organic fertilizers and water-powered water pumps, drip irrigation systems, and also gardening tips and growing information. Good catalog, free on request.

\* **PROJECT VISUAL (Volunteer Investigators that Study Unidentified Airborne Lights)**, 50 Euclid Ave, Ludlow, KY 41016. Project visual is a new nation wide clearing house that records, investigates and publishes UFO sightings and encounters. They are also producing a magazine and are looking for input.

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## RESEARCH RESOURCES FROM BSRF

**HEART LECTURES** by Ehrenfried Pfeiffer. The relationship of form and substance through motion; the heart as an etheric organ, as a sun within; expansion and contraction in the human being and the cosmos; etherization of the blood; dying and becoming; manifestations of different mystery streams in ancient cultures. 36pp \$3.50

**PHYSICAL AND ETHERIAL SPACES** by George Adams. An essay putting forward an initial statement of a theory of forces in living nature based on the mathematical conception of space and morphology derived from modern projective geometry. An understanding of counterspace, the space of the etheric forces. Illustrated, 71 pp, paperback. \$6.00

**RADIANT MATTER: Decay and Consecration** by Georg Blattmann. The material structure of the world gives evidence of an awe-inspiring order. Chemical elements fall into distinct groupings that represent the last stages of creative wisdom. The author makes us aware that the radioactive elements are in a state of decay slipping out of the ordering of the past. Opposite this decay stands a wisdom creating into the future which consecrates matter, allowing it to become spiritually radiant. 36pp, softbound \$3.25

**SPIRITUAL SCIENCE AND THE NEW NATURE FORCES** by George Unger. The nuclear dilemma is discussed along with a grasping of the reasons for the existence of the sub-forces of nature and how to encounter them properly in our evolving society. 27pp, saddle. \$2.95

**ETHERIC VISION: Its Development & Use** by H. Desmond Thorp. The author became aware of higher spaces and energies through awareness expanding personal experiences. He tells his story as it happened and gives his insights into extradimensional happenings which are accessible to this plane with an extension of vision. The ethers must be perceived to be grasped. 158pp \$5.00

**THE EIDOPHONE VOICE FIGURES** by Margaret Watts Hughes. Geometrical and Natural Forms Produced by Vibrations of the Human Voice; Photos of Various Geometric Forms Created by Singing notes and tones into a device which translates them into actual living forms. This is an important book for anyone who wishes to study and understand the archetypal forms existing in the etheric realms. 47pp \$5.50

**THE WARMTH COURSE** by Rudolf Steiner. A course that strives to extend modern ideas of physics through the understandings achieved by spiritual science. Discusses the nature of warmth, its relationship to the four states of matter, to light, to color, and to the sub-earthly and super-earthly realms. 206pp \$20.00

**THE ALPHABET** by Rudolf Steiner. The loss of the primordial word in abstraction; vowels and consonants in relation to the etheric and physical bodies; the Zodiac and the planetary movements expressed in the consonants and vowels; the ancient alphabet as the wisdom of astronomy. 16pp \$3.00

**THE NATURE OF SUBSTANCE** by Rudolf Hauschka. The author's many years of research provides a new perspective on the nature of matter and suggests a new orientation of the sciences. A revitalized scientific practice can grow from a change in the way phenomena are observed: actively *thinking into* things, not merely recording measure, weight, and number. In Hauschka's presentation both cosmic and terrestrial spheres are considered in a study of the basic elements and minerals. The basic elements are given as Earth=Carbon, Water=Oxygen, Air=Nitrogen, Fire=Hydrogen, and are referenced to their cosmic position in the Zodiac. This is backed up with years of scientific experiments. Hauschka also explores the mirror realm of coal tar chemistry as a reflection of the living chemistry of the plant world. Top flight research! 235pp. \$14.50

U.S. P&H: Add \$2.25/first book, 65¢/additional. Overseas P&H: Double the U.S. rate/surface.  
Californians add 6% state sales tax.

# The Agriculture of Tomorrow--Today!

**BREAD FROM STONES - A New and Rational System of Land Fertilization and Physical Regeneration** by Julius Hensel, 1893, Forward by Raymond Bernard Agricultural Chemist. Julius Hensel was a pioneer, circa 1890s, in promoting "Stone Meal" (rock dust) fertilizer and was an ardent crusader against chemical fertilization which he said would lead to the proliferation of degenerate diseases in the future. This amazing book will introduce you to stone dust fertilization which the author claims will: "Turn stones into bread and make barren regions fruitful; Feed the hungry; Cause healty cereals and provendere to be harvested and thus prevent epidemics among men and diseases among animals; Make agriculture again profitable and save great sums of money which are now expended for fertilizers that in part are injurious and in part useless; and Turn the unemployed to country life by revealing the inexhaustible nutritive forces which, hitherto unrecognized, are stored up on the rocks, the air and the water." This is the path to healing our planet and regenerating our damaged agricultural resources. The real answers are always the simplest! 51pp, stapled. \$4.00

**GROW A GARDEN AND BE SELF-SUFFICIENT** by Ehrenfried Pfeiffer & Erika Reise. This book is an introduction to biodynamic gardening, and is filled with practical suggestions for the biodynamic gardner, whether a beginner or an experienced gardner. Contains information on proper composting and how to mix plants for quality produce. One of the most important books for your future! 128pp with garden map \$8.50

#### **BIO-DYNAMIC AGRICULTURE:**

**An Introduction** by Herbert Koepf, Bo D. Pettersson. A thorough, practical, and up-to-date introduction to Bio-Dynamic Agriculture. The book begins by distinguishing organic, natural, and BioDynamic approaches. It discusses in scientific detail the farm organism and landscape, plant life, soils, fertilizing, the Bio-Dynamic preparations, companion plants, crop rotation, weed control, animal husbandry and feed production, animal diseases, application to gardens, orchards, and vineyards, Bio-Dynamic tests and quality maintenance through use of earthly and cosmic growth and form forces. Includes extensive bibliography and index. and Wolfgang Schaumann 448pp, paperback \$20.00

**THE BIO-DYNAMIC BOOK OF MOONS** by Dennis Klocek. This artistic presentation of Bio-Dynamic gardening discusses the alchemical salt, mercury, and sulfur processes in the earth's body in relation to potash, nitrogen, and phosphorus; limestone and silica; the four elements; and finally as they work in plant life. Cosmic and earthly annual rhythms in relation to the zodiac signs are described in verse with many diagrams and with woodcuts by the author. This is a beautiful and insightful book that will allow you to integrate the concepts of cosmic forces into your everyday agricultural practice. 128pp, paper \$15.00

**NATURE EVER NEW: Essays on the Renewal of Agriculture** by George Adams. A number of essays on various topics connected with the application of the wisdom contained in the Agriculture Course lectures by Rudolf Steiner. Contains many insights into Plant Metamorphosis; Goethe's Theory of Color; the Relationship of Plant to Crystal; Plant Chemistry; and more. Includes **NATURE** by Goethe, and a forward by Olive Whicher. Edited by Olive Whicher 45pp, softbound \$6.50

**PLANETARY INFLUENCES UPON PLANTS: Cosmological Botany** by Ernst Michel Kranich. This book carefully traces the relationship of the form language of plants to the planets. Many examples and drawings are included illustrating the connections between the orbital paths of planets and shapes found in various plants. 184pp \$12.50



**THE METAMORPHOSIS OF PLANTS** by Johann Wolfgang von Goethe. Here is the well illustrated classic on the actions of plants during the span of their lives from seed to fruit and flower. Modern science studies plant life by dissecting it and studying the genetic patterns via interfering manipulation. Goethe studied the plants in their natural state and developed the groundwork for a living natural science. An important work with an introduction by Rudolf Steiner on the Origin of the Theory of Metamorphosis. 56pp, paper \$3.50

**THE SECRET LIFE OF PLANTS** by Peter Tompkins and Christopher Bird. A fascinating account of the physical, emotional, and spiritual relations between plants and man. Exploring the world of plants and their relation to mankind as re-

vealed by the latest discoveries of scientists, this book includes remarkable information about plants as lie detectors and plants as ecological sentinels; it describes their ability to adapt to human wishes, their response to music, their curative powers, and their ability to communicate with man. The authors suggest that the most far-reaching revolution of the twentieth century - one that could save or destroy the planet - may come from the bottom of your garden. 402pp, index, paperback. \$9.95

**EARTH AND MAN** by Karl Konig. These lectures to farmers in England treat insect-plant relations, domestic animals, "meteorological organs," and especially the sheath materials for the bio-dynamic preparations. 350pp \$20.00

**CHROMATOGRAPHY APPLIED TO QUALITY TESTING** by Ehrenfried E. Pfeiffer. This work introduces the method of circular chromatography developed by Pfeiffer as a convenient visual tool for the average gardener or farmer to use in testing food and soil for "quality" or life forces. Pfeiffer provides step by step instructions for making the chromatograms and discusses examples of interpreting their various radial rings on 8 color plates, illustrating numerous tests of soil, compost, vitamins, wheat seed, yeast, and bread. 44pp, paper. \$8.00



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## ***BORDERLAND VITALITY RESEARCH REPORTS***

**NEW LIGHT ON THERAPEUTIC ENERGIES** by Mark L. Gallert. The wisdom and experience of many pioneers in the healing arts is presented in simplified and practical form. Theory, equipment and instructions for use in research are all included for most of the methods presented. Contents include: Natural Energies from Earth and Sun, Cosmo-Electric Culture, Dr. George Starr White; Energies of Selected Frequencies of Visible Light, Chromo-Therapy, Dinshah Ghadiali; Energies Below the Visible Light Spectrum, Ultra-Red Therapy, Dr. George Starr White; Invisible Ultra-Violet Life Frequencies Made Visible, Royal Raymond Rife; Energies Concentrated from the Atmosphere, Orgone, Dr. Wilhelm Reich; Classical Homeopathy, Hahnemann; The 12 Tissue Salts, Dr. Schussler; Vitalized Tissue Salts, Dr. Chas. W. Littlefield; Electrical Life Energy From Foods, Dr. George A. Wilson; The Use of Energies Radiated from Living Organisms, L.E. Eeman; Facilitation of the Flow of Neuro-Electric Life Energies in the Body, Chiropractic, Dr. George A. Wilson; Negative Galvanism, Dr. W.E. Keesy; Short-Wave use in Endogenous Endocrinopathy, Dr. Juse Samuels; Multi-Wave Oscillation: Electro-Static - Lakhovksy, Magnetic Arc - S.S. Knight. 256 pp, velobound. \$28.00

**VIBRATIONAL MEDICINE** by Richard Gerber. This is the most definitive and intelligent book available on the subject of energetic medicine, covering the fields of homeopathic remedies, acupuncture, radionics, electrotherapy, herbal medicine, psychic healing, crystals, chakras, therapeutic radiology, and planetary evolution. The author, a physician, discusses these areas not only with respect to their practice, but with respect to their theology, history, and spiritual philosophy. paperback \$16.95

**HOMEOPATHY - Medicine for the 21st Century** by Dana Ullman. Forward by Dr. Ronald W. Davey, Physician to Queen Elizabeth II. Covers: The Science and Art of Homeopathic Medicine; a Condensed History of Homeopathy; Scientific Verification of Homeopathic Medicine; The Scope of Homeopathic Medicine; Pregnancy and Labor; Pediatrics - don't drug our kids; Women's Health; Infectious Disease - Effective Alternative to Antibiotics; Homeopathic Treatment of AIDS; Allergic Conditions; Chronic Disease; Sports Medicine; Psychological Problems - Treating Mind and Body; Homeopathic Dentistry; 21st Century Health Care; Homeopathic resources: Schools, Sources, Organizations, Information. 271 pp, paperback \$12.95

**THE BASIS OF POTENTIZATION RESEARCH** by Theodor Schwenk. Presents the theoretical, spiritual-scientific basis of the working of potentized remedies and also summarizes and discusses many of the important experimental verifications of the effects of potentized substances. An important reference for those who want to be informed about how homeopathic remedies work, and to discover the reality of etherial forces. 93pp, paper \$10.00

**ROYAL R. RIFE REPORT** by various authors, compiled. Rife developed a microscope that could see beyond the optical wavelengths of light to the sub-realm of viruses and bacteria. He also developed a radiant gas broadcast unit that could kill pathogenic viruses in an animal host. This file is the available historical record of Rife's long suppressed work. Contents: The Wondrous Rife Microscope, Bill Cox; Invisible Ultra-Violet Life Frequencies Made Visible, Mark Gallert; Electron Therapy Research, John Crane; The Rife Microscope, or "Facts & Their Fate"; The New Microscopes, R.E. Seidel & M. Elizabeth Winter, Franklin Institute, 1944; Filterable Bodies Seen With The Rife Microscope; The Cure For Cancer Covered Up; What Has Become of the Rife Microscope?, Christopher Bird; Photo Gallery of Rife's equipment; Miscellaneous letters, documents, etc. 86pp, staples. \$11.00

**SENSITIVE CRYSTALIZATION PROCESSES: A Demonstration of Formative Forces in the Blood** by Ehrenfried Pfeiffer. Pfeiffer developed a revolutionary crystalization process to make visible the natural formative forces in the human being and nature not previously discernible by physical and chemical means. Using 77 photographs, he describes the process of producing crystals from different solutions and shows how this technique can be used as a diagnostic tool, especially in the early detection of cancer. 59 pp, photos, saddle \$16.00

**SUB-NATURE & SUPER-NATURE: The True Foundations of Nutrition** by Ehrenfried Pfeiffer. Explores the essential nature of nourishment, different types of metabolism, the significance of enzymes in digestion, the importance of breathing for digestion, and more. 28pp, paper \$3.50

**YOUR ELECTRONIC BODY & ELECTRONIC POTENTIALS OF FOOD** by Brown Landone. Contents include: What Energies break down Foods during Digestion; Your Two Physical Bodies; Sex, Electronic Power, & Your Heart; Transforming Your Body; Menus for Balance; Electronic Muscle Batteries; Electronics of Acid & Alkaline Foods; Fat Foods, Life Values in Uncooked Foods; Positive Minerals; Enzymes with Divine Power; Mystery of Combinations of Minerals & Vitamins; Virility of Positive Potentials; Your Rhythmic Electronic Body & Brain; etc. 249pp, spirals. \$15.00

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