

# The Journal of Borderland Research

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- \* LEVITY  
Trevor James Constable [1]
- \* CONCEPT OF THE LEVITY FIELD  
Ernst Lehrs [2-3]
- \* WINDOWS INTO THE SPIRITUAL  
Donald Hosier, Archivist  
Rudolf Steiner Research Foundation [4-7]
- \* ELECTRICAL GHOSTS  
Vincent Gaddis  
with CQC by Tom Brown [8-10]
- \* HEALING PRACTICES OF THE BARDS  
Michael Riversong [11]
- \* HOLISM, A NECESSARY APPROACH TO HEALTH  
Kim Elia, B.A. [12-13]
- \* OBSERVATIONS ON JET-LAG  
Peter A. Lindemann [14-16]
- \* THE GOLDEN C CRYSTAL  
Haroldine [17-21]
- \* RADIO WAVES, SUNSPOTS AND PLANETS  
Saunder Harris [22-24]
  
- \* VIEW FROM THE BORDERLANDS by Tom Brown  
+ LEVITY 88! + CHANNEL ONE + MAGNETS, MOLECULES &  
GRAVITY + LIVING WEATHER + ELECTRICITY & WEATHER +  
+ WEATHER & EARTHQUAKES + COSMIC WEATHER REPORT +  
+ THE SUN - PROVIDER OF LIFE & DEATH + DIFFERENT  
VIEWS ON AIDS + SPIRITUAL SCIENCE LECTURES +  
+ COSMIC HUMANISM + BOOKS IN PROGRESS + CONTACTS +  
+ RESEARCH BOOKS + ASTROLOGY CHARTS.....[25-34]

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THE JOURNAL OF BORDERLAND RESEARCH is a Free-Thought Scientific Forum examining the Living Energy of Our Creator and probing the parameters of Body, Mind and Spirit. Current research is oriented toward verification of Etheric Energies and their relationship to Beneficial Technologies. Donations of pertinent material are accepted for publication in the Journal. By presenting your work you will be helping other Researchers into the Borderlands of Science and we all benefit.

BORDERLAND SCIENCES RESEARCH FOUNDATION, Inc. is a non-profit organization (California State Charter) of people who take an active interest in observation of their Physical, Mental and Spiritual environment Personally, Globally, and Universally. Subjects of inquiry on this Borderland between the Visible and Invisible Manifestations of Reality include: Archetypal Forms and Forces of Nature and the Use of the Imagination and Intuition to Perceive Them, Ether Physics, Light and Color, Radionics and Radiesthesia, Orgone Energy, Tesla & The True Wireless, Viktor Schauberger's Water Technology, Electricity & The Evolving Soul, Initiation Science, Dowsing, Hollow Earth Theories, Anomalies and Fortean Phenomenon, Hypnosis, Photography of the Invisible and Unidentified Flying Objects. The Directorship of BSRF is Thomas Joseph Brown, President. Peter A. Lindemann is Vice-President. Alison Davidson is Secretary-Treasurer.

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BORDERLAND SCIENCES RESEARCH FOUNDATION was founded by N. Meade Layne in February 1945 with the issuance of the first ROUND ROBIN, original title to The Journal of Borderland Research. The Foundation is Incorporated under California Law, May 21, 1951 and has been in continuous existence since then. Meade Layne directed BSRF from 1945 to 1959. Riley Hansard Crabb was Director from 1959 to 1985. Riley published a proliferation of material and is still actively researching, writing and lecturing in New Zealand.

THE MAIN FUNCTION of BSRF is to act as a clearinghouse for information. BSRF is chartered to accept donations to further Research into the Borderlands of Science. Active research is being carried out and results are published in The Journal of Borderland Research. The majority of available funds for BSRF expenses come from sales of Research Publications and Membership fees. The Journal does not accept paid advertising but will list worthwhile books and products for our members.

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## LEVITY

Trevor James Constable  
From THEY LIVE IN THE SKY, 1958

Levity is the natural force that exists as the polaric opposite of gravity. The universe is bi-polar in nature but most theories have sought to reconcile bi-polar electricity and magnetism with unipolar gravity. This force is evident in nature in thousands of different ways, but outside of the Goethean school of scientific thought and other advanced centers, has not been investigated by conventional science until just recently.

In general terms, the levity field can be considered for rough purposes to extend spherically into space for a certain distance (perhaps 125,000 miles?) and its periphery represents its point of maximum force. Gravity may be considered to be a similar sphere with the center of the earth as its point of maximum force. Earth humans live close to the center of the earth, or point of maximum gravitational force, in bodies designed to withstand it. One consequence of this is that our consciousness has been gravity bound. Our observations are gravity bound unless and until we learn to look for the equal and opposite levity force in nature's book.

In our atmosphere, untold millions of tons of water remain in suspension. What holds this water up there? Pressure, temperature or the wind system? No! The levity field! In the form of vapour the theory is that water's polarity is altered, so that in its new form it is repelled by the comparatively weak (at the earth's surface) levity field towards the point of maximum levity force, which is the periphery of the levity field out in space. As ice, water becomes gravity-polaric, i.e. heavy, and is pushed towards the center of the earth, or point of maximum force of the same polarity.

Apply heat to water, and its polarity is altered, and consequently it rises and falls in accordance with its polarity relative to these two opposing fields. Helium and hydrogen are substances that are strongly levity-polaric, and consequently we regard them as light to our gravity bound consciousness. In actual fact, these substances in balloons give a remarkable lesson in attraction and repulsion of the two fields, if we will but learn to read it.

Research into levity has already commenced in the United states, and perhaps those engaged in it would appreciate a hint from an unseen friend: "Levity and temperature are inseparably interlocked."

If our research can be made pro-levitational instead of anti-gravitational, we may find this to be one of the incredibly simple solutions to our difficulties.

In the fields of vibrations and levity there is much original work to be done.



## CONCEPT OF THE LEVITY FIELD

Ernst Lehrs

Extracts from MAN OR MATTER, (C) 1958

Compiled by BSRF Associate Bill Few II

It is essential to realise that the gravitational and electrical fields dealt with by physical science -- however much they differ otherwise -- have this one characteristic in common, that they have a centre where the field is at its highest intensity, diminishing as the distance from the centre increases. Motion in such a field naturally takes place from regions of lower to those of higher intensity. This accounts for the tendency of physical masses to arrive at the shortest possible distance between them.

It was natural for the modern mind to picture a dynamic condition of the kind just described, that is, one in which the centre and source, as it were, is a point round which the dynamic condition spreads with steadily diminishing strength as the distance from the point grows. For such is the condition of man's head-bound consciousness. The locus from which modern man watches the world is a point within the field of this consciousness, and the intensity with which the world acts on it diminishes with increasing spatial distance from this point. This is the reason why levity was banished from scientific inquiry, and why, when the field-concept was created by the genius of Faraday, it did not occur to anyone that with it the way was opened to comprehend field-types other than the centric one characteristic of gravity and kindred forces. To make use of the field concept in this other way is one of the tasks we have to undertake if we are to attain to a spiritual understanding of nature.

Regarding the distribution of land and water on the earth's surface, we may say that to an observer in cosmic space the earth would not look at all like a solid body. Rather would it appear as a gigantic 'drop' of water, its surface interspersed with solid formations, the continents and other land masses. Moreover, the evidence assembled ever since Professor W. Wegener's first researches suggests that the continents are clod-like formations which 'float' on an underlying viscous substance and are able to move (very slowly) in both the vertical and horizontal directions. The oceanic waters are in fact separated from the viscous substratum by no more than a thin layer of solid earth, a mere skin in comparison with the size of the planet. Further, this 'drop' of liquid which represents the earth is in constant communication with its environment through the perpetual evaporation from the ocean, as well as from every other body of water.

In order to obtain an idea of the liquid state of matter corresponding to reality, we must take into account yet another of its characteristics. When the heat becomes latent, it goes even further in contradicting gravity than by robbing matter of its own point of gravity and relating it to the earth's centre of gravity. This effect is shown in the well-known urge of all liquids to evaporate. Hence we must say that even where matter in a liquid state preserves its own surface, this does not by any means represent an absolute boundary. Above the surface here proceeds a continuous transition of substance into the next higher condition through evaporation. We see here the activity of heat going beyond the mere denial of gravity to a positive affirmation of levity.



With the help of this conception of the integration of the liquid state within the polarity of gravity and levity, we are now able to draw a picture of the earth which, once obtained, answers many a question left unanswered by current scientific notions among them the question why the earth's volcanic activity is confined to maritime regions.

This picture of the earth shows it lying under the twofold influence of the compressive force of gravity and the sucking force of levity. Wherever land meets sea, there levity tends to prevail over gravity. It is in maritime regions, accordingly, that the inner strata of the earth succumb most readily to those sudden changes in the gravity-levity tension wherein we have recognised the origin of seismic occurrences.

Turning to the gaseous condition, we realise that although even here matter retains traces of a connection with terrestrial gravity, levity is now the dominant factor. There are three characteristics of the gaseous condition which bring this out. One is the extreme readiness of gases to expand when heated; we see here how much easier than with solid substances it is for heat to overcome the influence of gravity. The second characteristic is the property of gases, peculiar to them, of expanding spontaneously, even when not heated. Here we find gaseous matter displaying a dynamic behaviour which at lower stages occurs only under the stimulus of heat. The third characteristic is shown by the fact that all gases, unlike solids or liquids, respond with the same increase of volume to a given rise of temperature, however diverse their other qualities may be. Once gases are mixed, therefore, they cannot be separated merely by raising or lowering the temperature. Here we find the unifying effect of the cosmic periphery prevailing over the differentiating effect of terrestrial gravity.

Considerations of this kind lead one to a picture in which the earth is seen to be surrounded and penetrated by a field of force which is in every respect the polar opposite of the earth's gravitational field. As the latter has its greatest intensity at its centre, which is identical with the centre of the earth's globe, so has the levitational field its greatest intensity at its circumference, which is somewhere in the width of the universe.

As the gravity-field decreases in strength with increasing distance from the centre of the field, that is, in the outward direction, so does the levity-field decrease in strength with increasing distance from its periphery, or in the inward direction. In both fields the direction of movement is from regions of lower to those of higher intensity. This is why things 'fall' under the influence of gravity and 'rise' under the influence of levity.

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Copyright 1958, reprinted with permission. MAN OR MATTER by Ernst Lehrs is published by the Rudolf Steiner Press, 38 Museum Street, London, England WC1A 1LP, and is distributed in the U.S.A. by The Anthroposophic Press, Bell's Pond, Star Route, Hudson NY 12534. This book is the fundamental text for those seeking supersensible pathways beyond the borderlands of perception unseen by the gravity-bound consciousness of our present world age. The writings of Ernst Lehrs are a valuable asset to any clear thinking and open minded spiritual scientific researcher.

WINDOWS INTO THE SPIRITUAL  
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OVERVIEW OF THE PROJECT

(No apology is made for the use of superlative terms in this document, knowing that everyone must discover and mold his own truth.)

WINDOWS INTO THE SPIRITUAL is the project name used by The Rudolf Steiner Research Foundation for the dissemination, on cassette tapes, of translations of certain German scientists, philosophers, and researchers not previously available in English.

The Rudolf Steiner Research Foundation is a nonprofit California corporation founded in 1956 by Rick Mansell, a brilliant British research scientist and physicist. It is important to note that this gentleman was first of all an academically accomplished and acknowledged intellectual who made significant contributions to the Allies during World War II by the development of camouflage materials and techniques. During his subsequent emigration to the United States of America, Mr. Mansell, while studying the works of the German scientist and philosopher Wolfgang von Goethe pertaining to pigmentation, light and color, came into contact with the work of Rudolf Steiner.

Rudolf Steiner, who died at Christmas in 1925, was the Austrian scientific genius put in charge of the great library at Weimar, West Germany, during the late nineteenth century when it was a major cultural and academic center of Europe. By the age of fourteen years, Rudolf Steiner had studied and was accomplished in all the natural sciences. A brief investigation of his work at Weimar will quickly reflect the genius of a human being having the widest view of human knowledge and history on the one hand and demonstrating the most profound perceptions of the world beyond the five human senses by his works and words.

Steiner wrote about forty books during his life and presented over six thousand lectures all over Europe. In addition, he established the science of anthroposophy (simply stated, the spiritual scientific study of the evolution of man). Steiner's work ranged a full gamut of subject matter from architecture to agriculture, anatomy, art, dance, education, evolution, history, health maintenance, mathematics, medicine and medical practice, psychology, religion, sociology, and zoology.

Countless teachers, doctors, farmers, scientists and artists have received significant impulses from his work. The tremendous impact of his original concepts of the effects of the shape and color of human living spaces can be observed in the work of Frank Lloyd Wright. Steiner's work in architecture is now an integral part of graduate study in that field.

Steiner substantially advanced the art of healing. His profound understanding of the relationship between man and nature provided new impetus for physicians in the development of therapeutic remedies and healing methods. His work in health and medicine has become integrated into the practice of modern medicine, especially psychiatry, as evidenced by the works of Carl G. Jung (his contemporary), and Edward Whitmont, M.D., professor of psychiatry at Columbia University School of Medicine and author of Psyche and Substance, the most insightful technical analyses of the most common and complex personality types seen in modern society.

Steiner's work in agriculture (even to the commercial level) is evident in the establishment of certification standards for domestic food and grain crops (such as wheat, pecans, cherries, potatoes, and herbs) grown according to Steiner's biodynamic agriculture methods, and the U.S. Department of Agriculture's appointment of the Demeter Institute, a nonprofit, tax exempt humanitarian organization founded upon and operated according to principles originally set forth by Rudolf Steiner, as the sole certifying authority for such products in America.

The German pharmaceutical botanical grower and manufacturer WALA-Heilmittel GMBH of Echwalden/Bad Boll, Federal Republic of Germany, grow their raw plant materials according to a quite sophisticated methodology based in the work of Wolfgang von Goethe, Rudolf Steiner, and Rudolf Hauschka (a prominent Steiner researcher).

However, the greatest legacy Steiner produced through his tireless life labor and penetrating insight was his work on the spiritual evolution of man. His book The Philosophy of Freedom Through Spiritual Activity provides profound and practical instruction especially for Western man in his search for understanding the relationship between his inner being and the events and influences of the physical world. The Anthroposophical Society, headquartered in Dornach, Switzerland, remains the world center for the further development of the spiritual impulse which continues to flow to us through Steiner and students of his work.

Rudolf Steiner himself embraced the Christ-being and considered the descent of the Christ spirit into the body of Jesus of Nazareth at the Jordan baptism by the prophet John to be the pivotal point of human history for this Earth cycle. He was conversant with the history of every major spiritual impulse in the world, as well as the progress of each human root race throughout the history of mankind. His discourses on the relations between Hinduism, Christianity, Buddhism, Mohammedanism, and Judaism provide rare and valuable information to the casual seeker as well as the most astute and devoted student of spiritual knowledge.

It seems accurate and reasonable to say that Rudolf Steiner was a Western equivalent of his contemporary Vivekananda (1863-1902), the eminent Hindu scholar and avatar whose lectures and writings made an indelible impression upon the West. Both he and Steiner were bridge builders of the highest magnitude, of inestimable stature in joining East and West. It is difficult to overestimate the value of Rudolf



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Steiner's work for all who thirst for knowledge, for deeper personal insight to enhance their earthly trek, and especially those who culture the spiritual life. Russell Davenport in his book The Dignity of Man wrote "Anyone who is willing to study Rudolf Steiner's vast work with an open mind will find himself faced with one of the greatest thinkers of all time, whose grasp of modern science is equalled only by his profound learning in the ancient ones. Steiner was no more of a mystic man than Einstein; he was a scientist, but a scientist who dared to enter into the mysteries of life."

Rick Mansell graduated as a Research Scientist (B.Sc. & A.R.C.Sc. & A.I.C. degrees) from the Imperial College of Science and Technology in London, England. He distinguished himself as a War Correspondent and lecturer. In the postwar years he emigrated to America and became so entirely engrossed in his study of Steinerian literature that he set aside a lucrative career and dedicated the last thirty years of his life to translating works of Rudolf Steiner from the old Teutonic German into English, an intimidating task avoided by German translators and scholars.

Rick Mansell brought a trained scientific attitude to his evaluation of the work in spiritual science by Rudolf Steiner. Until his death in 1984, Rick Mansell was a translator, researcher, lecturer, teacher and group leader in the Beverly Hills and South Bay areas of the Los Angeles area. His lectures were of particular value and interest to the so-called New Age people. He devoted time to the development of young adults in the community. Rick Mansell was a trained Shakespearean actor, and his presentations were always distinguished by the clarity of his thought and diction.

Although Rick Mansell translated nearly two thousand lectures by Steiner and others who have developed within individual fields, e.g. medicine, only about ten percent of these works are studied and enjoyed by the widest variety of people. The rest seem to appeal mostly to persons advanced in the field peculiar to the lecture topic, e.g., physics or medicine or comparative religion. Individuals interested in advanced study materials on topics of special interest are invited to contact the Foundation for personal study guidance service and a listing of available tapes.

Donald Hosier  
Archivist, R.S.R.F.

ELECTRICAL GHOSTS  
by Vincent Gaddis

Startling semi-materializations in electromagnetic fields.  
Reprinted from the January 1946 BSRA Round Robin

Phantom forms produced by electricity in magnetic fields! This amazing phenomenon has been witnessed in several large electrical plants. The general electric Company's research laboratory at Schenectady, New York, and an industrial research laboratory at Freiburg, Germany have issued reports on this strange occurrence.

In 1930 Chief Engineer Eastman, of the Rhodes Electrical Society in London, was working on some high-tension wires in a dark room when he saw a luminous blue sphere form about a revolving dynamo. In the center of this sphere a woman's hand suddenly appeared. Eastman asked his assistant, a Mr. Woodew, if he could see it, and he replied that he could. Both men watched the phenomenon, and they were able to ascertain every detail of the conditions causing it.

The two men spent four days trying to produce the occurrence again, and when they succeeded a human head, instead of a hand, appeared. Photographs were taken and they were published in several European journals in the summer of 1930.

A follow-up to the Rhodes observation was an article printed in the Revue Spirite (Paris), written by M. Henri Azam. M. Azam has obtained his material from an experimenter who desired to remain unknown except to the publication's editors. This unknown student was quoted as follows:

"In the pursuit of my specialized work in the occult and psychic fields I long desired to find out whether it was possible to reconstitute the astral form by means of sound vibrations. It was my belief that mediumistic phenomena, when they are serious in character, are exclusively the result of setting in action some force for which the medium is the condenser. It was my purpose, therefore, to reconstitute a sphere of synchronous vibrations analogous to those which emanate from the human entity, but to do so without the intervention of any medium..."

The following methods were used by the experimenter. Two machines of static electricity were arranged so that the plates would turn in opposite directions. The positions and distance between the plates were so arranged as to be susceptible to infinite variation. As a result there was a variable and sensitive magnetic [electrostatic - TJB] field formed. A membrane covered with lycopodium powder was placed at the variable point so that it vibrated according to the electric wave lengths employed. The vibrations were intensified by adding the factors of light, sound, and perfumes. A magic lantern was directed upon the variable point for light effects; an organ was used for sound effects.

"Under these conditions on several different occasions I was able to obtain the formation of human and animal forms, which appeared in the magnetic field. At first these were only partial, but twice I succeeded in obtaining complete forms. They always presented themselves in the sensitive field and near the variable point. Three photographic negatives, exceedingly clear and sharply defined, were obtained of these vibrational forms."

The conclusions of the experimenter are that he has been able to obtain responding vibrations of the astral or psychic world; that the results cannot be ascribed to imagination or hallucination; that the forms which appear are not spirits, but empty



and discarded etheric or astral bodies or shells; that it is therefore possible to obtain psychic phenomena without the aid of human mediums.

The importance of these observations is obvious. Once again we have apparently found a realm in which the physical and astral worlds merge. Additional research in this domain of phenomena would be physical, and would not require the services of a medium. Nevertheless the ability to form a window or vortex between two vibratory planes might result.

First of all, what are these forms? Are they abandoned etheric bodies or disintegrating though forms? Etheric bodies, which are regarded as links between the physical and astral bodies, are abandoned soon after physical death, according to the theory, and they slowly disintegrate in a vibratory plane known as the 'astral cemetery' which lies very close to the vibratory limits of our visible physical plane. It is also supposed that these empty etheric bodies remain close to the decaying physical bodies until they are dissolved into their original basic elements. Being held nearby by various subtle affinities, these etheric shells are said to be the cause of reported graveyard phantoms.

If this is true, the best place to set up an experimental electric magnetic field would be in a cemetery vault or in a building close to a cemetery. This is an experiment the writer plans to make when conditions permit. Positive results would indicate that these forms, if successfully obtained, are actually etheric bodies abandoned by progressing astral bodies.

One more thought should be presented; the possibility that natural electric phenomena may provide conditions for psychic phenomena should not be overlooked. There are many reports of phantoms observed during electrical storms. Apparent poltergeist are often displayed during intense electrical atmospheric stress. Ball lightning often exhibits the directions and actions of apparent intelligence. For example, the late Charles F. Talman, government meteorologist, in an article in Readers Digest, June 1935, tells of a ball of lightning entering an open window, travelling about the room as if exploring it, then finally departing by the window it has entered.

More amazing cases will be found in Flammarion's work, THE PRANKS OF LIGHTNING. In all of these occurrences tricks of a poltergeist nature were performed, under conditions indicating the possibility of a directing intelligence. The writer feels certain that in this phenomenon of electrical ghosts we may have a key that will unlock many mysteries of the psychic world.

(In a personal letter, circa 1946, to Meade Layne we find the further related remarks of Mr. Gaddis: "The relationship between storms and psychic observations is a vast field in itself. A neighbor of mine, recently deceased, once told me of seeing a number of phantoms during an electrical storm when he was caught in a local cemetery. They were simply white human-like forms hovering above the graves, glimpsed during flashes of lightning.")

[Vincent Gaddis resides near Garberville, California and is currently co-authoring a book with Nancy Bradley titled GOLD RUSH GHOSTS.]

#### Clips, Quotes & Comments by Tom Brown

This article of veteran Borderland researcher Vincent Gaddis has been an interest of mine for several years. The work of M. Azam certainly brings to mind the high-frequency mediumship of Carl Wickland with his huge electrostatic Whimshurst machine.

In working with Eric Dollard around various high-frequency electrical apparatus I have observed many organic and mysterious forms appearing in gas plasmas and in free space discharges. The plasmas have provided the most interesting views across the borderlands and we have observed human, animal and plant forms as well as microscopic (amoeba, etc.) and macroscopic (fireball/stars, galactic formations). From direct experience in the lab I have seen that in Vince's article resides an important key.

The eminent scientist and spiritualist Sir William Crookes studied the forms appearing in high frequency plasmas approximately a century ago. He felt that in this manner of experimentation one could find the true borderland between the physical and the spiritual. In Ernst Lehrs' MAN OR MATTER this matter is discussed in a quite lucid manner and one is brought to the understanding that there certainly is a "country" beyond the borderlands of this nature, but it is not the "country" we seek for a true spiritual understanding of the manifestation we are an integral part of. To quote:

"When William Crookes chose as one of the titles of his paper on the newly discovered properties of electricity, 'The Fourth State of Matter', it was to express his belief that he had found a state of matter, additional to the three known ones, which represented the 'borderland where matter and force seem to merge into one another, the shadowy realm between known and unknown' for which his soul had been longing ever since the death of his beloved brother. All that has followed from his discovery, down to the transformation of matter itself into freely working energy, shows that he was right in thinking he had reached some borderland of nature. Only the country into which this borderland leads is not the one he had really been looking for." Ernst Lehrs, MAN OR MATTER, (C) 1958, Rudolf Steiner Press, London.

The "country" which we seek across the Borderlands is the one which contains the cosmic archetypes from which all life springs. The high frequency researches of Eric Dollard have helped put electricity into a proper perspective with the etheric realms and we can see how science has mistakenly plunged into the subsensible realms rather than the supersensible which draws one to more refined levels of comprehension. Spirituality, following the general gravity-bound tendency of our materialistic society in general, has also mistakenly plunged into the subsensible realms through attachment to the egos of the channelled entities. How much better it would be for spiritual researchers to cross the borderlands to the supersensible through an awakened perception of nature and development of the intuition rather than by relying on mere belief in the words of discarnate entities.

I have found through studying Goethe's indications on the phenomenon of Light and Color in conjunction with Eric Dollard's high frequency researches that electricity is a reflection of the Light Ether. It is sufficient for present reference to say that Light has its two poles, red-yellow and blue-violet. The red-yellow pole in nature is longitudinal (direct rays from sun) and the blue-violet pole is a progressive type of transverse wave (rounded sky, Reich's KRW wave/blue orgone). Electricity has its two poles, electro-magnetism: red-yellow-hot, (retarded transverse); and dielectricity: blue-violet-cold (longitudinal). Hence, there are experimental indications that electricity truly is a reflection of the Light Ether.

With proper understanding and orientation of the etheric and electrical fields many workable concepts may emerge. For example the use of plasma detector tubes around a Lakhovsky Multiple Wave Oscillator will provide many clues to the etheric output of that device. The relationship of electricity to the evolving human soul is a prime area of interest at BSRF and is an open area of discussion in this Journal. Members are encouraged to send in their views on this most interesting subject.

## HEALING PRACTICES OF THE BARDS

By Michael Riversong

Bards have sometimes been known to accomplish rather astounding results when working with healing practices. A combination of general health knowledge with musical ability can create tremendous amounts of positive power.

Theories about illness and healing have abounded throughout every culture in history. Some outlooks have tended to be more successful than others, although successful healing has tended to occur in at least some cases no matter what theory is behind the practice.

One of the most prevalent theories about the nature of illness has been that these conditions are caused by various evil spirits. These spirits are generally considered to be resident in nature, and are sometimes used by criminals to strike back at enemies. Cultures scattered throughout the world have this idea, and in many, there exists a very similar technology of necromancy to invoke evil spirits. In almost all healing practices that have evolved from this viewpoint, music plays a vital role. Songs are usually sung by practitioners while doing movements or before performing shamanic techniques. These songs may be made just for the occasion (which is a general Bardic practice anyway), or they may be very ancient and considered to be extremely effective because of their use over countless centuries. Generally, the purpose of these songs is to bring in a power which resonates with forces that can heal a patient, and drive away any evil spirits.

Another theory of healing, which is generally confined to China and to some extent Southeast Asia, involves the idea of relative temperature. In this set of rules, the temperature of various body organs relative to each other and relative to normal parameters is considered vital in diagnosis and selection of treatments. Music plays a role in preparing a patient for treatment, and, if possible, may be played in the background during administration of such techniques as moxibustion, acupuncture, or herbal preparation. Generally, the Chinese practitioners do not play the music themselves, but may work with regular professional musicians who follow a doctor's instructions very closely.

Bards can work from either viewpoint, or from somewhere inbetween. Irish tradition credited Bards with occasionally bringing about a cure through music alone, but more often, Bards simply cooperated with priests or other therapists. Interestingly enough, ancient Irish medical traditions tended to combine elements of both tribal and Chinese viewpoints.

Now, as Bards again become more prevalent in modern society, we are participating in the evolution of methods of general healing practice. Because of the very large number of technologies now available throughout most of the world, Bards should rarely be the only therapist involved with a patient. This could be actually counter-productive in most cases. It is thus the obligation of a Bard to form business, social, and professional relationships with other therapists. Generally, the Bard should work under very close supervision and direction from a technically advanced therapist, and more loosely with counseling or religious therapists. Relationship is a key word here. Ideally, a Bard should be very well acquainted with a supervising therapist's methods and preferences.

It is, of course, fairly difficult to establish such relationships with therapists. This situation will eventually improve as our profession gains more respect and stature within our communities. Presently, every Bard must make it clear that the musical work alone is not being "sold" as a cure. With the abundance of healing technology being practiced, music should be considered as an adjunct or aid to a therapist's primary technology. In each relationship, a Bard should be open to research on proper blending of music with the technology of the supervising therapist. A willingness to change techniques and songs for individual cases and as new information is gathered is essential to success in our profession.



## HOLISM, A NECESSARY APPROACH TO HEALTH

By Kim Elia, B.A.

The primary and most fundamental objective of a health care practitioner is to re-establish health in a diseased individual or prevent disease in a healthy individual. This task requires creativity and awareness in the face of the widespread degeneration of health on the planet today. As valuable as conventional medicine is, it also has its inherent limitations. Allopathic medicine has been almost helpless when dealing with chronic disease and has mostly reduced its practice to the treatment of symptoms. In such a situation, the consumer of health care is faced with choosing between standard medical practice and one of the many holistic modalities available on the market. This article will outline the relationship between alternative therapies and orthodox medicine, providing comparisons of philosophy and methodology.

Allopathic medicine bases its philosophy and methodology on the principles of Newtonian physics which views the body as a machine with cause and effect actions and reactions of a strictly mechanical nature. This approach attempts to discover the origin of pathology as some microbial substance which interferes with the normal physiological function of the "human machine". In theory, the system attempts to uncover the disease process by reducing pathology to its basic physiochemical components.

In practice however, orthodox medical practice tends only to emphasize relief of symptoms. Even in theory, inconsistencies and limitations become immediately apparent. By focusing on "germs", the medical system overlooks the total individual's resistance to the invading organisms in the first place. This emphasis on "germs" and toximolecular methods for their destruction takes optimal health out of the hands of the individual and places it in ever more expensive and questionably effective bio-technology. The prevailing medical system has not explained the laws and principles governing health and disease nor even provided a definition for good health.

The author of this article defines health as the ability to lead a happy and creative life where ultimate happiness and creativity stem from the spiritual process of personal evolution and transcendence. With this definition, health both aids spiritual unfoldment and is its ultimate product.

In contrast to the allopathic system, the alternative therapies share certain principles which distinguish them from the reductionist approach of modern medicine. These health care systems, including Ayurveda, Chinese medicine, macrobiotics, classical homeopathy, energy medicine (radionics, flower essences and gem elixirs, psionic medicine and anthroposophy) all view the human body in holistic terms. "Holistic" is a new adjective derived from the word holism which the philosopher Jan Smuts used as a description of his belief that the fundamental principle of the universe is the creation of wholes, where each whole is a part of a larger one. For instance, whole cells make up whole organs which make up whole organ systems (endocrine, digestive, etc.) which make up whole bodies.

In all of these therapies, healing means being aware of the patient's inner and outer environment and treating the individual, not the disease. A clear example is Chinese medicine where all the information about a person is gathered until a pattern of disharmony becomes apparent. This pattern of disharmony then provides the framework for treatment. Each symptom is not viewed as a local problem but rather a manifestation of disorder existing in the whole person. The therapy attempts to bring the pattern of disharmony back into balance through acupuncture, herbal preparations, good medicines and lifestyle changes.

Another principle which unites the alternative therapies is the emphasis on the uniqueness of each individual. In the Ayurvedic science of health, determining a person's constitution allows the practitioner to tailor the treatment to the patient's specific needs. According to Ayurveda, the individual constitution is acquired at birth and remains constant throughout life. By determining that constitution, intelligent dietary and lifestyle choices can be made.

Perhaps the most important characteristic of these health care systems is recognition of a dynamic or energetic reality out of which the material world arises. These systems are concerned with intangible energies which maintain normal physiological function and regard all disease as derangement of this vital energy. An example is homeopathy, a system of medicine discovered by Samuel Hannhemann in the early 1800's. It has had a long history of safe and effective treatment for many health disorders by dealing directly with the dynamic plane.

If a physician only affects a change on the physical plane, the underlying dynamic (energetic) imbalance will re-manifest in a different way, often at a deeper level. An example is insulin therapy which prevents a coma in diabetics but does not actually stop the disease process allowing death from arteriosclerosis or some other diabetic associated health problem.

As health care practitioners, it is necessary to understand these differences in philosophy and methodology. The concepts of health and disease are a reflection of the general cultural patterns of a society, its state of consciousness and the development of its various sciences. As we enter into the era of planetary citizenship it will be necessary to tap into the entire great tradition of the Healing Arts. It is my belief that conventional medicine, the alternative therapies and significant lifestyle changes will create this new synthesis of therapeutics that will meet the future health care needs of our planet.

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Kim Elia is the director of the Nutrition Program at Heartwood Institute. The purpose of Heartwood Institute is to enhance the skills of successful therapists and healers as well as to provide entry level training for persons wishing to enter the natural healing profession. Courses include Polarity Therapy, Transformational Therapy, Nutrition, Therapeutic Massage, Hypnotherapy, and related fields. Interested people should inquire for a course catalog from: Heartwood Institute, 220 Harmony Lane, Garberville CA 95440.

OBSERVATIONS ON JET-LAG  
By Peter A. Lindemann

The following are a series of observations I have made concerning the phenomenon known as Jet-Lag. This is not presented as scientific findings, merely as the outgrowth of years of observation and meditation on the subject.

Jet-Lag is a very complex condition. Different sufferers experience a wide range of symptoms and degrees of discomfort. Therefore, an in depth discussion of what Jet-Lag looks like will not be attempted. My interest has been in discovering the source of the condition, not simply to catalog the way people experience it.

Jet-Lag is the body's response to specific stresses that it encounters during the flight. The time period after the flight is used by the body to overcome these stresses and to re-establish a state of balance. Healing is a natural process. The body controls it from beginning to end. The body prioritizes its use of available energy in accordance with the severity of the condition. With this in mind, we may assume that Jet-Lag is a relatively severe condition since many persons are disabled by it for a day or more.

The stresses that I have identified as contributing factors to the Jet-Lag condition are divided into the following six categories:

- 1) stresses derived from moving magnetic fields,
- 2) stresses derived from moving static-electric charges,
- 3) stresses derived from physical vibrations,
- 4) stresses derived from micro-movements detected by the inner ear,
- 5) stresses derived from time zone changes,
- 6) stresses derived from other psychological situations.

All of these conditions are encountered to one degree or another on long-distance air travel. Under many circumstances, the combined effect from all of these sources creates a condition that the body must correct before life may resume as "normal." My investigations suggest that the first four stresses listed above are the major contributors and that the last two are less involved in the majority of cases.

1) Stresses derived from moving fields.

High speed air travel subjects its beneficiaries to the most rapid movement through the magnetic field of the earth of any form of travel. Numerous informal surveys consistently reveal that Jet-Lag appears more severely from EAST to WEST and WEST to EAST flights when compared to flights NORTH or SOUTH. About 50% say that flying EAST is the worst and the other 50% say flying WEST is the worst. Everyone seems to agree that flying NORTH or SOUTH is easier than flying EAST or WEST. The fact that time zone changes are usually not encountered during NORTH-SOUTH flights should not blind the careful observer to the other fact that NORTH-SOUTH flights move generally PARALLEL to the lines of force in the earth's magnetic field whereas EAST-WEST flights generally CUT ACROSS THEM. It is not well understood just how the body is stressed by this situation, but healers and sensitives report a disruption in the outer layers of the human aura that directly



correspond to this condition. The biological response the very subtle magnetic fields has been well established in the international literature for over 40 years. It is high time that the international community begin looking seriously at the biological stress caused by moving through the earth's magnetic field at high speed.

2) Stresses derived from moving static-electric fields.

Airplanes are equipped with special devices on the wings and the tail to constantly rid the body of accumulated electro-static charges. This helps the plane be less susceptible to lightning strikes. However, it also establishes a constant movement of an electro-static field across the fuselage. This moving charge has corresponding lines of magnetic and di-electric flux which bathe all of the travellers for the duration of the flight. This is an "abnormal" environment and therefore stresses the body in some little understood way. Although this effect is present on all flights in all directions, it seems to be less biologically troublesome than stress caused by the earth's magnetic field.

3) Stresses derived from physical vibrations.

Travelling in a modern Jet is like travelling in a vibrator. The gigantic engines set up a variety of stresses on the nervous system which can be generally categorized as "noise" and "rhythmic movement." That a general background noise of 20 to 50 decibels for a period of a few hours is experienced as a stress should not be debated by too many people. This is usually encountered during air travel.

There is also the non-sound vibrations which are transferred from the engines to the passenger's seat. This is also experienced as another type of stress because it is recognized by the body as an "abnormal" condition encountered only during the flight. The subtle physical shaking of every cell of the body for a few hours is definitely a stress! Also, the body has a way of "remembering" its experiences which I call the "cellular memory." Many people feel like their body is "buzzing" after the flight. This is the cells remembering the experience of the vibrations encountered on the flight. The body is no longer being shaken, but it still is shaking. It takes a while for the cells to "forget" this stressful experience, letting go of the internalized vibrations. It takes time and energy for the body to overcome this condition under normal circumstances.

4) Stresses derived from micro-movements detected by the inner ear.

The body has two separate systems to determine and maintain its sense of balance; the eyes and the inner ear. The brain is constantly comparing the information it receives from these two sources. When a person is standing on the ground, the two messages are very much the same.

During Jet travel however, a subtle difference is interjected. The eye, as it looks down the cabin of the plane, registers a relative stillness. The inner ear, however, continues to recognize every small movement that the airplane makes. Since the air is a fluid medium, the plane is constantly making movements up, down and sideways that correspond to less than 0.25% of its forward velocity. The inner ear

can easily detect a movement up, down or sideways of as little as one foot per second. The plane's forward velocity of over 750 ft/sec is not perfectly forward. There are constant movements which the inner ear detects which are not SEEN by the eyes. The brain is assaulted by this disharmonious information for the duration of the flight. This is definitely one of the largest stresses the body must endure during air travel. Since this is one of the only times the body ever encounters a discrepancy in its basic balance system information, the body is particularly disturbed by it. It registers the experience almost as if it is being lied to. Since on the plane flight, stillness is movement, it takes awhile for it to believe that stillness is stillness and movement is movement like it is on the ground.

When the flight experience is repeated frequently, the body eventually loses its trust in the continuity of sensory information at a very subtle level and enters a state of CONSTANT STRESS. This condition I call ACCUMULATED JET-LAG SYNDROME and is suffered by all long time professional flight personnel. At this point, only extended periods of time on the ground can re-establish the body's trust that it is receiving harmonious information between the eye and inner ear mechanisms. This situation can be likened to a child being told that it is loved while it is being beaten only on a much subtler level. The child learns to fear being loved or beaten. Likewise, the pilot's body learns to distrust ALL the signals, both harmonious and disharmonious ones, that enter his nervous system from the eye or inner ear which correspond to this subtle balance referencing. The body can take just so much of this before major health disturbances begin occurring.

#### 5) Stresses derived from time zone changes.

This topic has been given considerable attention by other authors and is generally over-rated in its actual significance in regards to its causative relationship to Jet-Lag. From my studies, I have determined that time zone changes account for less than 5% of the stress in most cases, including flights of long duration.

#### 6) Stresses derived from other psychological situations.

Sometimes people are leaving a place that they really love and are going somewhere less desirable. This situation, although purely psychological, can be stressful and can contribute to the Jet-Lag experience. The reverse circumstance can also minimize Jet-Lag or contribute to its reduction.

This discussion of the phenomena of Jet-Lag is by no means exhaustive. Other authors have focussed on diet and other factors as important. Jet-Lag is a complex condition and only long study will reveal its true nature. I hope that these observations will interest someone in performing the conclusive scientific studies.

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Peter Lindemann is the Director of Lindemann Labs, Santa Barbara, California and is the Vice-President of Borderland Sciences Research Foundation. Peter is an active researcher into natural healing, subtle energies, radionics, free energy, and related fields.

THE GOLDEN C CRYSTAL  
- (lithium/beryllium/gallium) -

By Haroldine

Work has been done with the GOLDEN C crystal which has given excellent aligning and body balancing results to almost everyone who uses it. The crystal was found to align all seven major chakras in the human body within twenty-four hours or less. (A researcher in France reports that a high Tibetan Lama has indicated to him that the action of this crystal on the Chakras is very complicated. He suggests that as an alternative to saying "alignment" one could say "balancing the energy of the Chakras".) It completes the work of several individual lithium crystals at a more rapid rate, as if one had an antenna tuned into higher dimensions, bringing the attuned energies into the body as radiant light. When work was first initiated with the GOLDEN C crystal, affects were so surprising that the story retelling reads as if a fairy tale; though truth often is stranger than fiction.

The crystals were purchased from an estate sale; the two grandchildren both in the mid-seventies wished to complete the final inheritance division equally by turning the remaining properties into cash. In July 1982 at the time of purchase, I believed I was buying a specimen of some type of kunzite for use in the Lithium Research Project; I was very new to the crystal world. These crystals had been mined late 1800 and been stored away in the large bottom drawer of an old office desk. The crystals came from a freak deposit of nature; too pretty to discard and yet served of no value to demand at that time.

Many of the crystals were colorless with inclusions of yellowish/orange materials; when viewed in sunshine, they appeared as specks of gold. Some of the crystals contained varying shades of violet which were kunzite; yet, all the crystals contained the golden specks.

I cleaned and sunbathed the crystals soon after purchase. A mineral expert came to examine the recent purchase and exclaimed "pewter, pure junk"!!! I was the brunt of many jokes for the next few months "having wasted money on the purchase" spoke the mineral expert. The crystals stayed covered up in a box behind the front door in the hall for another year. In 1983 some of the crystal specimens were sent to an associate researcher who lived in San Anselmo, California (North of San Francisco). It was she who first discovered many of the values of the GOLDEN C crystal, primarily named because of the golden harmonic light ray it gave off. I now lovingly refer to her as "The Golden Crystal Lady."

Another associate researcher in Arkansas who I feel is the finest agricultural radionic researcher that I know, was given some GOLDEN C crystals in early 1984. He became very excited by the materials and called it "Youth Energy". He analyzed the crystals radionically; his analysis of the GOLDEN C crystal:

(Li) Lithium	35%
(Be) Beryllium	61%
(Ga) Gallium	4%

The unusual combination of Li, Be, and Ga with the ratio of percentages creating a type of energy frequency which I refer to as calcium 44. Ca44 is the king pin of all the calciums for the human



body. It provides a frequency I liken to a giant reservoir from which any other form of necessary calcium can be transmuted. According to Professor Kervran's biological transmutation, Ca44 is the only type of calcium that can be transmuted back and forth in the body from magnesium (Mg). Ca44 is stored in the body as magnesium which becomes reversible when body requires calcium. The integrity of the cell wall is guaranteed when adequate Ca44 is available for transmutation. It is essential that the integrity of each cell wall be preserved for the DNA rootlets are threaded into the walls of the cell; that blueprint contains full genetic coding for a healthy cell to reproduce itself. When the cell wall remains strong, no miscoding can occur by the RNA and body cell balance is optimally maintained. (Cancer is perfect example of a condition where cell wall integrity has been violated and lost.) Research was conducted at a commercial turkey farm in Pennsylvania where leg breakages of young turkeys was approximately 23%. Force feeding to the young birds created abnormal growth to the turkey's body and the young legs were not able to keep pace with the growth to support the weight. Radionic broadcasts of Ca44 frequency with other reagents brought the leg breakage to less than 3% within a 3 month period, as the leg bones of the young birds were strengthened.

Doing research with the GOLDEN C crystal, a homeopathic doctor in Oregon presented his theory for the discovery of the homeopathic 13th cell salt (Li/Be) in Spring of 1985. The Lithium/Beryllium cell salt is the umbrella cap which ties the other 12 together.

In March 1987, an associate researcher living in Pasadena, California, sent me a copy of the book "The Miracle Nutrient: Coenzyme Q10" just published in January. While reading along in the book mental bells kept ringing how very similar CoQ10 and the GOLDEN C Crystal were in creating similar positive effects for the body. For reader's comparison, analysis of the two:

<u>Golden C Crystal</u>			<u>Twin Labs 10 mg CoQ10 Capsule</u>		
(Li)	lithium	35%	(Li)	lithium	23%
(Be)	beryllium	61%	(Be)	beryllium	65%
(Ga)	gallium	4%	(Ga)	gallium	2%
			(Ca44)	calcium44	10%

Very little is yet fully understood about trace minerals and how they may benefit the body's balance. I feel gallium makes possible super conductivity within the human frame.

(For the reader, a newspaper clipping received in 1982 from San Jose, California, about gallium.)

"Question: There is a new company called Gigabit Logic that is into something they call gallium chips, that is supposed to be over 100 times as fast and efficient as the silicon chips used in computers. This technology sounds fascinating to me and I would like to know more about gallium and Gigabit Logic. What can you tell me about this? Answer: Gigabit Logic at this writing is not yet a public corporation. It was formed about a year ago by a small group of executives formerly with Rockwell International. You can write the president, Mr. Frederick Blum at his office in Culver City, Calif. A gigabit by the way, equals one billion bits of information. Gallium is a very rare substance. It is neither metal nor non-metal and is a byproduct of aluminum and copper smelting. It is so rare that a three-inch wafer costs about \$300 compared to \$5 for a slice of silicon. The secret of

Gallium's speed is what chemists call its "high electron mobility." At a given voltage, gallium's electrons move seven times faster than those of silicon. At its highest speed gallium chips don't overheat or self-destruct as silicon chips do. Importantly, gallium chips only require one percent of the power that is required by a silicon chip."

The CoQ10 break-thru discovery speaks that it is an essential nutrient for healthy body cells; life cannot exist without CoQ10. It is an integral part of the mitochondria, the battery or "power house" of every cell in the body. Disease/imbalance occurs when CoQ10 levels fall 25% below normal. At 75% CoQ10 body deficiency, death occurs. What a coincidence that the energy frequency of the GOLDEN C crystal and the miracle nutrient CoQ10 are so very similar. Application of either assist to center one's being and a greater mental clarity for viewing as Observer is one of the results.

Occasionally, I would set up a force field with 4 piles of GOLDEN C crystals in a diamond shaped pattern with N magnetic alignment for a minimum of two hours in advance before a student would come for a crystal clearing. The student would sit mid-center in the force field also facing N. I shared information, what to expect and stated the moment the student started to feel uncomfortable any place in the body or experienced excess heat to stand up immediately and walk out of the force field. Time periods varied from individual to individual; eight minutes to thirty-one minutes was the variation in time requirements for individuals. (I am not a crystal healer, I merely set up the conditions for a student to do her/his own healing work with the GOLDEN C crystals.) An accelerated growth of consciousness, memory flashbacks of past life, loss of feelings of heaviness and feelings of joy and lightness, triggering of new ideas and greater release of creativity were some of the feedback reports. There were no reports of harmful side affects other than slight tiredness by two people the day following the crystal clearing. This same type of crystal clearing can be equally accomplished with four photographs of the GOLDEN C crystal as long as the diamond pattern is followed, the force field activated ahead of time and the individual positioned in the center of the force field facing N. Since a photograph carries the same energy as a physical crystal, the same instructions to walk immediately out of the force field when the body experiences discomfort or experiences excess feelings of heat must be followed.

(W)

(S)

X

(Magnetic) (N)

(E)

The following feedback list was shared by volunteer researchers who carry a single GOLDEN C crystal in the pocket or wore the crystal as pendant or in a pouch around the neck:

- balanced and cleansed the aura of excess positions
- aligned the 7 major chakras

- discharged "uninvited guests" (possessive entities) and sent them into the Light.
- kept the individual more clear headed and centered
- it allowed one to keep his own energy aligned and not be drained by energy leeches sometimes called psychic vampires
- brought much more beneficial radiant light into the body which further acted as a balancing agent for the physiological well being
- tension and stress were released as body became quickly aligned with nature's energies
- aligned the body meridians (when the electrical system of the body becomes aligned, it automatically aligns the magnetic system)
- felt a greater sense of general well being
- the GOLDEN C frequency passes through the astral and enters higher levels to which the student was able to connect which I call the golden spiral or higher mind
- people acted more cheerful and pleasant when entering the aura of student carrying a GOLDEN C crystal
- deflects harmful microwaves from entering the aura

The above list is just some of the information reported. The surfacing of applications of this crystal with its unusual frequency has hardly been tapped; there are many more benefits to come forth than yet noted. One does not have to rush out and buy a GOLDEN C crystal nor GOLDEN C photo; always remember it is but a tool to aid your return to Higher Mind use. By writing the name "GOLDEN C CRYSTAL" with black ink on white paper, you will be able to bring the energy frequency of the GOLDEN C crystal into your space. You can close your eyes and feel that frequency pulsating in your aura. The letters of the word carry equal energy as the physical crystal. Believe you can do it and you will!

An associate researcher in Denver, Colorado, has been utilizing the GOLDEN C crystal in a most fascinating way and obtaining marvelous results. She "charges" water with the energy frequency of the GOLDEN C crystal. She places a GOLDEN C crystal in a jug of water and removes the jug to a dark place for 24 hours. Presto--one jug of water available for use with identical frequency as the GOLDEN C crystal!!! (One may also place one gallon of distilled water on top of a GOLDEN C photograph or on a piece of white paper with the words "GOLDEN C CRYSTAL" printed in black ink. Let the gallon of distilled water sit in dark or covered with white towel for 24 hours--all 3 methods work equally well--if you BELIEVE.)

The Denver researcher uses the GOLDEN C water in varying ways by spray misting and shared:

- freshens linens by spraying on bedding
- sprayed in room, recycles energy and neutralizes negative thought forms
- cleanses the aura when sprayed over the head
- acts like a giant negative-ion generator in rooms
- clears and cleanses most crystals instantly
- deodorizes rooms, breath, refrigerators
- replaces under arm deodorants

Some people in So. California are drinking GOLDEN C water stating it greatly enhances their vitality. One woman uses the GOLDEN C water as a mouth wash/gargle and shared it has softened the plaque collection



on her teeth so she does not have to go to the dentist as often for cleaning appointments. Others use the GOLDEN C water homeopathically, by use of a pendulum they determine how many drops to add to an 8 oz. glass of drinking water and drink two or three glasses each day.

It has been noted that the charged GOLDEN C water contains many properties similar to AQUALITHIA (natural mineral water) and Willard water (a man-made catalyst altered water). The GOLDEN C water does not have the ability to reconstitute that the above mentioned waters do. (1 oz of AQUALITHIA will create 480 gallons of equally potent energy as the original one ounce. 1 oz of the Willard water makes 1 gallon of equal energy potent water.)

For those of you familiar with the B-Cell matrix that is used to "charge" water; GOLDEN C water has a slightly greater energy frequency and identical application abilities with similar results. (Later changed to D-Cell by new manufacturer when the original founder John Brown died.)

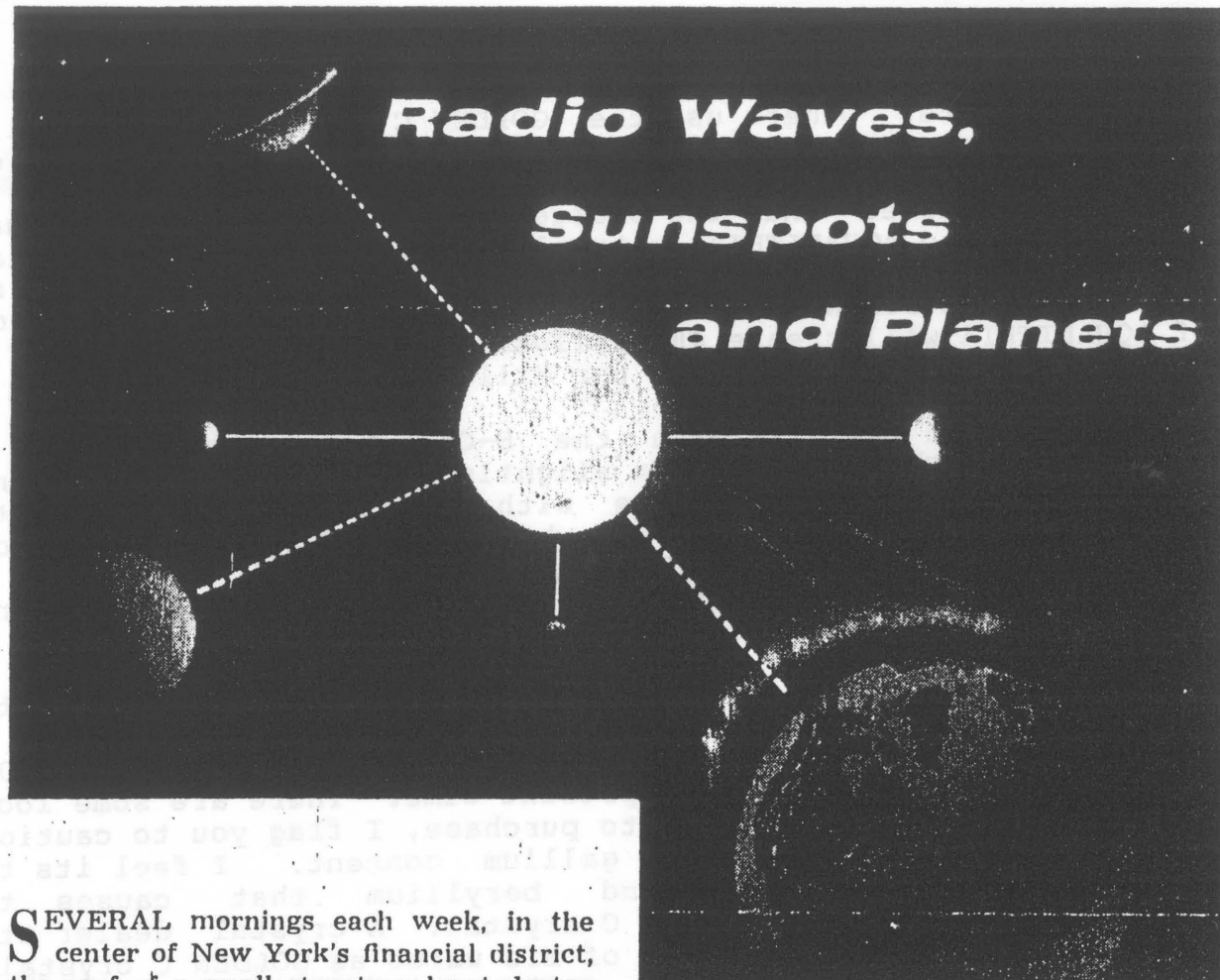
With radiesthesia method using the Holy Water from Lourdes, France as comparison base of 156,000 angstroms, the GOLDEN C water tested at 250,000 angstroms or units of radiant light. GOLDEN C charged water is a remarkable substance and must be experienced to fully appreciate. Since the GOLDEN C crystal(s) originated from a freak deposit of nature, there aren't that many available - perhaps 12,000 - 14,000 total crystals on the planet at the present time. There are some look-alike crystals; for anyone desiring to purchase, I flag you to caution. The look alike crystals lack the gallium content. I feel its the gallium mixed with the lithium and beryllium that causes the superconductor ability of the GOLDEN C crystal. A crystal dealer at a conference in Chicago 1986 sold some of his wares as GOLDEN C crystals, when the material was checked and analyzed it contained no gallium. Buyer, Beware!!!

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Researchers who wish to get authentic Golden C crystals may order them through BSRF. In conjunction with Lithium Labs Limited (PO Box 96, San Luis Rey, CA 92068) those ordering them through BSRF will get free postage and handling. The crystals are in two sizes \$20 (approximately 12 carats) and \$35 (approximately 20 carats). No discount on this special offer. Offer good until December 31, 1988. Due to its popularity we have extended our offer on AQUALITHIA water (1/2 oz for \$22 postpaid) until December 31, 1988. Californians add state sales tax.

LITHIUM and Lithium Crystals by Haroldine is the record of the Lithium Project of Lithium Laboratories Limited. It contains the widest range of information in print available on lithium, the first solid element. Contents include: What is Lithium?; The Ultimate Compound; The Ugly Duckling or Cinderella Chemical - Lithium Salts; Various Uses of Lithium; Crystal Structure - The Key to an Instrument That Heals; Minerals (extensive chapter on lithium crystals); Toward Human Perfection; Water = Liquid Crystals; Systemic Stabilization; with an addendum and bibliography. ISBN 0-945685-02-5, 126 pp, \$9.95. Publication date is July 31, 1988. Borderland members may purchase this book at the prepublication price of \$7 on all orders postmarked before Sept 1, 1988. Add \$2 P&H, Californians add sales tax.

# Radio Waves, Sunspots and Planets



SEVERAL mornings each week, in the center of New York's financial district, the roof of a small structure located atop the RCA Communications building swings open. A hovering helicopter could then see Mr. John H. Nelson, a serious-looking man with thinning hair, assume his place behind a six-inch refracting telescope. Mr. Nelson, an expert in electronics and astronomy, has one of the most specialized and unusual jobs in the world; he is a propagation analyst.

What, exactly, does a propagation analyst do? Well, Mr. Nelson forecasts the radio weather, or, in more scientific terms, he predicts the magnetic condition of the ionosphere, a major factor in the propagation of radio waves over long distances. To demonstrate the practical value of knowing what the radio weather will be, let's take a typical example.

**Transatlantic Message.** Suppose we want to send a message from New York to London. Normally, this message would be transmitted from the RCA station at Rocky Point, N. Y., directly to London. But today, let's say, Mr. Nelson has predicted that conditions will be bad over the direct New York - London route.

So, after consulting one of Mr. Nelson's charts, we decide to reroute the message

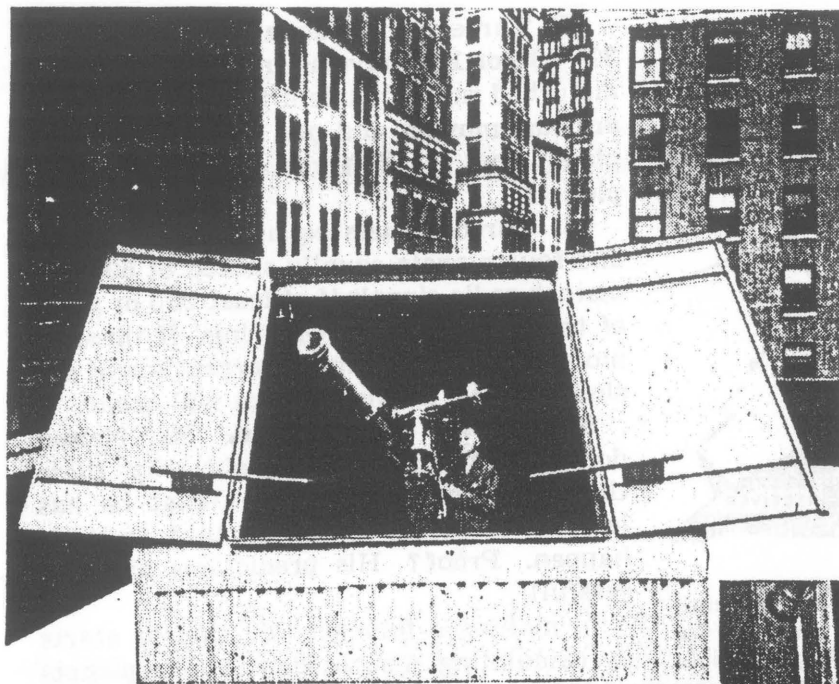
## New techniques aid in predicting radio weather

By SAUNDER HARRIS  
WINXL

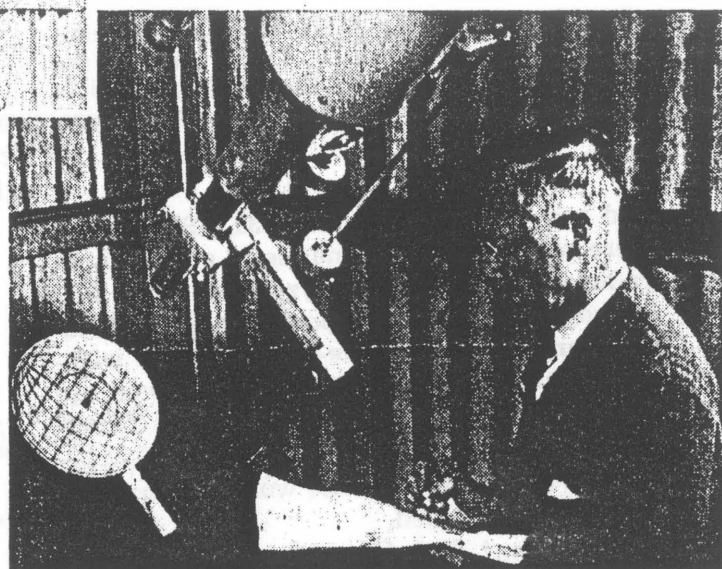
over an alternate path which is free of ionospheric disturbances. Instead of taking the direct route, we send the message through traffic relay points at Paramaribo on the northern coast of South America, or at Tangier in North Africa. From these points the message is relayed to its destination in London.

This rerouting takes advantage of normally ideal north and south transmitting conditions. Thus, rather than being chopped up and garbled because of unfavorable ionospheric conditions, thanks to Mr. Nelson's advance warning, our message gets to London clearly, accurately, and on time.

**Radio Propagation.** To appreciate the importance of knowing the condition of the ionosphere in predicting radio weather, it



**Propagation analyst** John H. Nelson is shown at his observatory (above) in the heart of New York City's financial district. In photo at right, Mr. Nelson uses solar map to study sunspot activity.



Illustrations courtesy of RCA Communications

is necessary to understand how a radio wave is propagated through space and what part the ionosphere plays in this process. The ionosphere extends from about 40 to 200 miles above the Earth and is composed of a fantastic number of "free" electrons which have been knocked loose from their atoms by ultraviolet rays, cosmic rays, and solar radiation. This gigantic electron sea floats high in our atmosphere, and, like its watery counterparts on Earth, it has tides, storms, and currents.

If conditions within the ionosphere are right, when a radio wave from a transmitter strikes it, the wave will be bounced back in much the same manner that light rays are reflected by a mirror. Thus, the radio wave can be returned to the Earth at a considerable distance from its point of origin (see Fig. 1). Long-distance radio communication would be impossible without this reflecting action of the ionosphere.

The next question is: how does a propagation analyst know when the ionosphere is going to reflect the radio wave properly?

**Charting the Planets.** Amazing as it may seem, Mr. Nelson predicts the condition of the ionosphere, and thus, the radio weather, by charting the positions of the planets. He first began to study radio wave

propagation in 1946, at which time he was able to achieve 80% accuracy on 24-hour forecasts by basing predictions on sunspot observation. In spite of the apparent success of the sunspot prediction method, however, he felt that the condition of the ionosphere was determined *not only* by sunspots, but also by the relative positions of the planets as they circle around the sun.

Later investigation proved this theory to be correct. As a result of studying planetary positions in addition to sunspot activity, Mr. Nelson's forecasts are now 90% accurate for 30-hour periods. His long-range forecasts, covering periods of 36 days, are 80% accurate.

Pluto's angular relationship with the other planets is exceptionally significant in its effect on the radio weather, according to Mr. Nelson. During the International Geophysical Year, which began on July 1, 1957,



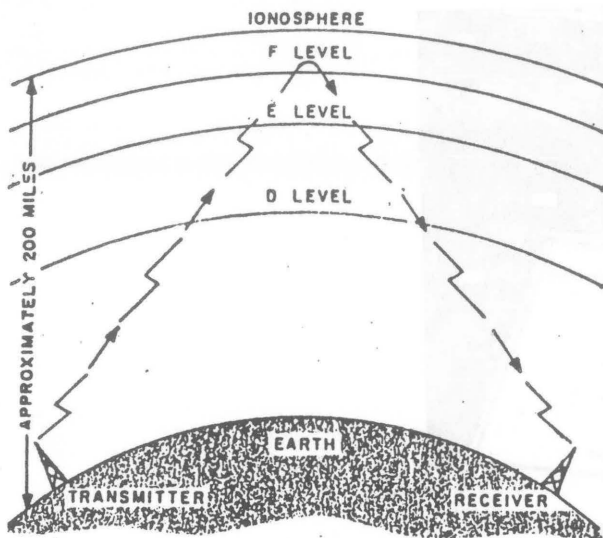


Fig. 1. Radio waves are reflected back to Earth by the action of the ionosphere, thus making possible long-distance radio communications.

and ran through December 31, 1958, there were six very severe magnetic storms and radio disturbances. Analyzing his data, Mr. Nelson found that the positioning of Pluto at a critical zero angle—three times with Venus and once with Mercury—showed up on four of the six disturbances. Since Pluto's mean distance from the sun is 3,671,000,000 miles, its influence would seem to be far-reaching indeed.

**Important Relationships.** The results of Mr. Nelson's plottings of the planetary positions over more than ten years of research have brought to light six important facts about the relationships of the planets and radio conditions on Earth. These are the significant relationships which he uses in making forecasts, and may be summed up as follows:

(1) Best radio reception periods occur when Saturn and Jupiter are  $120^\circ$  apart.

(2) The most severe disturbances occur when Mars, Venus, Mercury and the Earth are in critical relationship near points of the Saturn-Jupiter configuration.

(3) When two or more planets are at right angles to each other, or in line on the same side of the Sun, or in line with the Sun between them, magnetic disturbances occur more frequently on the Earth's surface. (See Fig. 2.)

(4) When the planets have moved away from their critical relationship, there is a corresponding decline in the severity of the magnetic weather.

(5) Three planets equally spaced at  $15^\circ$ ,  $30^\circ$ ,  $60^\circ$ , or  $120^\circ$  have a tendency to produce disturbed radio signals if two of the planets are fast-moving and one is a slow-moving planet, or if all three are fast-moving planets.

(6) Three planets equally spaced at  $60^\circ$  and four planets equally spaced at  $60^\circ$  will disturb radio signals if at least two or more of the planets are fast-moving. If three or more of the planets in this arrangement are slow planets, no disturbance will occur.

**Successful Predictions.** Mr. Nelson does not attempt to explain *why* these things happen as they do. What he has learned from his study is that they *do* happen. Proof? His predictions are successful!

In making a forecast, Mr. Nelson starts by calculating the positions of the planets with respect to each other. When a significant combination of angles is indicated, he then calculates the positions to plus or

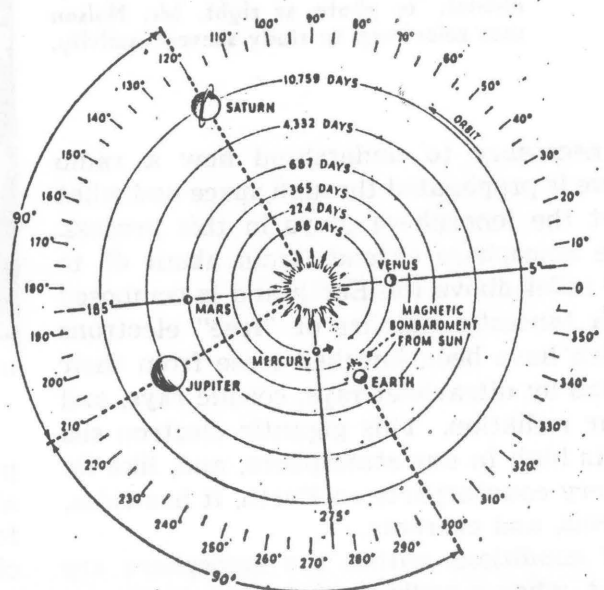


Fig. 2. When Saturn, Jupiter, and the Earth are at  $90^\circ$  to each other, magnetic storms appear on Earth and radio reception is poor. Drawing on page 45 is artist's conception of this relationship.

minus 6 minutes of arc for each hour of the day. It is this data which allows him to make the forecast.

The implications of John Nelson's work with the planets and radio waves leaves one with the impression that planetary positions might be important in other phases of our lives. Perhaps the ancients' superstitious study of the heavens deserves re-evaluation by those of us interested in modern science.

# view from the **BORDERLANDS**

By Tom Brown

LEVITY 88! - The world is dying, they announced it on the "news"!! (CBS Evening News, June 26, 1988) It only got a few minutes of consideration at the end of the telecast. The fish are gone, the forests are dying, the air is bad, big droughts, the weather has gone crazy. But of course, like everything else on the "news", there were major errors in reporting. They tell of record high temperatures and serious drought, and say that this is a sure sign of the "greenhouse effect". They failed to mention the record low temperatures that are also appearing, and the giant rainfalls in some areas, which cause flooding because of root system destruction. Completely ignored in all this is nature's inherent healing ability if we would but give her a chance. Earth will outlast the madness of our civilization.

To come to grips with the changes that are now upon us major revisions of thought are necessary NOW! We need to understand the "other side" of reality--life and levity rather than death (masquerading under the name of life) and gravity.

LEVITY is a simple concept. The levity fields are the life fields. It is important that people begin to understand the cosmic polarity of gravity and levity. The one-sided gravity bound consciousness of present society has ravaged the earth without thought for future generations. Perhaps if we bring more levity into our lives we can overcome the gravity of the situation.

The concept of the levity field is one of the most important tools in the cogitative workshop of people interested in understanding their environment through increased awareness developed through observation. 1988 is the year for the levity field to enter into serious consideration in our pursuit across the borderlands of perception. New ideas are available now.

Gravity-bound consciousness has given us gravity, electromagnetism and molecules. Astute and clear thinking researchers can now add the polar opposites of these concepts to their work: levity, dielectricity, and the qualitative peripheral forces of which all elemental substances are representative of. Pursuit of Goethe's method of training the mind will allow one to grasp these natural ideas. Lighten up with LEVITY 88!

CHANNEL ONE - Television... one of the most corruptive forces tearing at the human soul in our current age. The glammers of materialism are being deeply ingrained into the consciousness principles of a dulled and unsuspecting peoples (not to mention the artificial and devitalized foods clogging the supermarkets). It is a shame that the marvelous technology developed in part by Philo Taylor Farnsworth II, a technology that should be spreading an incredible wealth of information, has degenerated to the sad state of retardation and mayhem available today at the flick of a switch.

Eric Dollard has told me of an idea of his with which I wholeheartedly agree. He calls it CHANNEL ONE. 24 hours a day one could turn on the TV and see the earth from space. The patterns of the weather fronts as they move across the planet could be studied. People would think more about their place in the universe once they could get a full grasp of the wholeness of their home planet. This concept already exists in part on a satellite TV channel called The Weather Channel. CHANNEL ONE would also provide photos of the sun, positions of the planets, geomagnetic field information, and related cosmic happenings.

CHANNEL ONE would be technology dedicated to natural science and made available to all people on earth with a television receiver. The use of technology in a beneficial manner, instead of the brainless trash cluttering the airwaves today and programming a generation of nitwits and idiots subservient to the destructive and decaying patterns manifest in our material society. CHANNEL ONE would provide us an alternative to those scientists who are driven to spend billions on bigger atom smashers in their bizarre efforts to understand the universe by smashing things to pieces.

But CHANNEL ONE would not just be a TV channel, it is available to us NOW if we will but open our eyes and minds with new ideas and fresh concepts as provided by the study of spiritual science in harmony with the directly observable patterns and properties of nature.

MAGNETS, MOLECULES & GRAVITY - Isaac Newton saw an apple fall from a tree, and the result is that our present day society and its component religions and sciences are all based on gravity bound consciousness. If only Newton had wondered how the apple got up in the first place... But, he merely exhibited a symptom of the weakening of the levity fields and the trend towards the materialism we find our present world immersed within.

The concept of the center oriented view of matter relates to the inorganic level of consciousness. This inorganic level of consciousness has become the driving force of the "status quo" of society's science and religion.

I recently went with Eric Dollard to a Johann Sebastian Bach organ concert at Grace Cathedral in San Fransisco. Grace Cathedral is an excellent old building built in the old European style. On the roof of the building, directly over the main altar, there is a huge copper cone antenna with various forms protruding in regular patterns. Seems as though someone in the past had an incredible knowledge of radionics. Grace Cathedral is a huge radionic healing device with the energy focused on the altar, which is obviously a platform for someone to lay on to receive the healing energy. The problem is that the one thing that you CAN'T do in church is lay on the altar. The healing power is there, but forbidden by major blockages in the flows of natural energies inherent in the basic philosophies presented in entrenched religious concepts.

Science has turned to the subsensible realms of nature in a grand but confusing attempt to understand nature itself, and in the process has nearly destroyed it. The methods of Goethe provide us with a science based on observation of natural phenomena. But how can one observe the ethereal forces purported to exist? By very definition they are not in the material realm, so how do we perceive them? We perceive the ethers by direct observation of natural phenomenon over time (plant and animal growth and behavior, weather patterns and cloud modifications, etc.), clear comprehension, and an understanding that with the particle must go the field. With the quantity goes the quality. This is the basis of homeopathy. Through the rhythm involved in making a homeopathic remedy the quantity of the substance is removed leaving the quality. There is an interchange between space and counterspace. Electromagnetism is a spatial function while dielectricity is a counterspatial function.

We are not against atomic models, the etheric atom of Edwin Babbitt is a most interesting model and a worthy subject of research. Carl Frederick Krafft worked on an ether-vortex model of the atom with the concept that any "building block" of nature would follow natural laws, and that solid matter would be solid, as it appears, and not composed of mere vibrations of distantly spaced minute particles as is insinuated by modern particle physics. It is important to understand that the atom forms in the field. The smallest particle and the largest field provide the cosmic polarities which our plane of existence is balanced between.

The books, research papers and articles provided by Borderland Sciences Research Foundation are tools that one may choose to use in orienting the awareness to the



living side of the universe and provide a solid grounding from which to perceive the spiritual nature of all reality. But eventually one must put away the books, turn off the TV, and get out into the creative forces of nature.

Gravity bound consciousness is a controlling factor in today's searches for the answers to the questions of life through external means such as channelling and subatomic cloud chambers. Perhaps good material does come through some mediums, that is neither our point or concern here; and the mirror realm of the cloud chamber is interesting, entertaining and stimulating, but clearly unnatural with no direct connection to the cosmic archetypes, only distorted patterns.

To advance spiritually on this plane at this point in time one needs to comprehend the living patterns (what's left of them) in our external manifestation and find how they reflect the inner manifestation of humanity. Development of the imagination and intuition will allow these patterns to manifest within and one may thereby be led to their point of contact with the creator, be it through art, music, writing, or just being the best at whatever talents and abilities you possess.

LIVING WEATHER - In the writings of various orgonomists in the 1950's (Orgone Energy and Weather, Charles R. Kelly, CORE Vol VII, Nos 1-2; Wind Flow and Orgone Flow, Werner and Doreen Grossmann, CORE Vol VII, Nos. 3-4, 1955) one can find some very important indications of how the weather functions. Temperature, pressure, etc. are seen as secondary phenomenon subservient to the primary phenomena of orgone flow. The flows around high pressure (low orgonotic potential) areas are clockwise, around lows (high orgonotic potential) counterclockwise. Satellite pictures provide us with data on the planetary orgone status if we can but learn to read the patterns. Orgone (as well as all living energy) flows from low to high. In conjunction with the proper technology, in the hands of clear thinkers, (rather than deep thinkers), the weather of the earth could be brought into balance and the deserts could begin to be healed. Further conceptual research is being done and in conjunction with continued observations more complete ideas will be presented in future Journals. The Journal is open for articles and letters on this subject.

Earth's weather is seriously out of balance due to the ravages of civilization on the life-levity (orgone) fields surrounding our planet. Continued detonation of A-bombs, poor agricultural methods, massive deforestation, extraction and manipulation of vital juices (oil, water, etc.), corruptive manipulation of mineral veins, all contribute to the draining of the life force of the earth and the acceleration of desertification. The big news these days is the massive droughts around the world. We are experiencing the reality of the Desert Makers.

ELECTRICITY AND THE WEATHER - The myriad of electrical and radio signals smothering this planet are certainly not a help. Our file on the dangers of various electric and radio frequency fields is constantly expanding. There exists popular literature blaming bad weather on the so-called "Russian Woodpecker" which is a shortwave signal (my guess is a longitudinal cryptographic signal for worldwide communications) heard lately between the 40 and 15 meter amateur radio bands, a range from 7 to 21 megacycles, searching for the maximum usable frequency (MUF) of the day.

All of the radio and electric signals surrounding the planet are a major problem and potentially could interfere with the weather, but to single out one mysterious radio signal and blame the ravages of civilization on just that shows a lack of clear insight into all the facts and facets of our current world condition. There are even more mysterious signals like the "sweeper" that sweeps quickly through the shortwave bands. If you aren't aware of it you won't notice it.

WEATHER AND EARTHQUAKES - In the May 7, 1988 SCIENCE NEWS there is an article titled "When winds blow, does the earth quake?" To quote: "Unusual air pressure patterns off the coast of California may trigger some of the numerous moderate-size earthquakes in this state, according to a controversial report by a meteorologist who

has been studying West Coast weather for several decades. If true, this finding may help seismologists predict months in advance the likelihood of earthquakes during certain atmospheric conditions.

"As evidence for the pressure-earthquake connection, Jerome Namias of the Scripps Institution of Oceanography in La Jolla, Calif., has found that California earthquakes are often preceded months in advance by persistent patterns of air pressure several hundred miles off the coast."

The article goes on to tell of how "Namias lacks a theory to explain how pressure patterns might indirectly trigger the release of stress built up along faults." May I suggest that researchers interested in this look into the indications of Wilhelm Reich that the orgone envelope of the earth penetrates into the crust. The "unusual" high pressures associated with quakes could very easily be the reaction of the orgone envelope to the continued atomic blasting under the nearby Nevada desert. Another possibility is that the tremendous character armoring of the Southern California atmosphere is disturbing the normal flows during certain unknown conditions. The earth is alive, a quake is more than just a bunch of moving rocks.

COSMIC WEATHER REPORT - Solar activity has picked up with a few days of intense activity. On May 17 there were 2 M-class flares (M-class on a scale of B, C, M, and X, with B the lowest and X the highest). The solar flux on that day was 101. The planetary geomagnetic index was 41. Solar Flux rose rapidly to 165 on June 9. There were severe unseasonable Pacific storms which hit the Northern California coast during this rise. This is the opposite of an observed North Pacific winter cycle we reported on last issue, where the storms come in on a rapid drop of the 10.7 cm wavelength solar flux, after climbing to a peak. On June 10 the solar flux dropped 20 units and continued to drop until the New Moon on June 14. During this period we had clear skies and no rain. The New Moon acted as a pivot point and the solar flux began to rise again with a return to the clouds and potential rainy weather. However the pattern became indeterminate with small variations and our local weather did not follow the pattern with a return to the blue skies. The solar flux is on its way up again. There were M and X-Class flares on June 23 and 24 including an X5. No major geomagnetic storms seemed to follow this burst of activity which is interesting because they usually occur after major flares.

On June 14 at the New Moon the solar flux bottomed out (at 108 SF units) and turned back up. Now, as I go to the final printout on this Journal, the solar flux has hit a new high for Cycle 22. The activity became very high on June 29 (183 SF Units), during the Full Moon, with a M6 (or maybe X-class) flare occurring, (and 193 SF units on June 30). The prediction is for it to head back down. The next rise should be even higher. Solar Cycle 22 is well on its way. Why is it following the lunar cycle? Or is it just coincidence that it bottomed out at the New Moon and hit the latest high at the Full Moon? Something to watch as we progress.

I have noticed over the years how plane crashes and other accidents seemingly happen around the time of major earthquakes. Eric Dollard has pointed out to me that the controlling factor in these is the geomagnetic storm. After the June 24th flares we had the crash of the European Air Bus in Paris, followed by a Paris train crash the next day. There were also many earthquakes, including one in San Francisco, which was the biggest since the beginning of the century. These happenings are usually indicative of geomagnetic storming, which didn't happen this time. That is one of the curiosities of Solar Cycle 22--the geomagnetic indices are not registering while other indications of activity (like bizarre clouds) are occurring.

Just before the X5 flare two A-bombs were detonated at once (the more the merrier?). There was also an intense period of solar activity following the atmospheric H-bombs in the mid-1950s, but it fit the current 11 year cycle, (which started in the 1700s), and there were incredible storms and earthquakes around the same time. This is when the earth's weather started getting out of phase. The seasonal flows are no longer in alignment with the calendar days. There must be some

connection to all this, perhaps just synchronicity, but I wonder....

These weather patterns may not be connected to the solar patterns. The solar patterns may not be connected to the lunar patterns. However, we are keeping an open eye on natural phenomenon in a search for patterns beyond just yearly up and down graphs. It is becoming apparent that understanding the status of the solar and earthly energetic fields in conjunction with the operation of the weather is like wrestling a mental octopus. There are no conclusions from this camp, only indications of where we should be directing our consciousness at this point in time.

THE SUN - PROVIDER OF LIFE AND DEATH - We think of the sun as the giver of life, but it is truly an organ of balance in the universe. It also provides us with death. There is quite a bit of evidence that diseases follow solar cycles and geomagnetic activities. And a study of history will show that the patterns of civilization follow the effects of plagues and epidemics.

We all know that we receive living energy from the sun, but it is becoming apparent that we also receive disease waves from the sun also. Here are a few charts taken from the article THE EPIDEMIC PROCESS AS A FUNCTION OF SOLAR ACTIVITY by V.N. Yagodinskii, Z.P. Konovalenko, and I.P. Druzhinin, taken from the book EFFECTS OF SOLAR ACTIVITY ON THE EARTH'S ATMOSPHERE AND BIOSPHERE, translated from the Russian. We will let the charts speak for themselves.

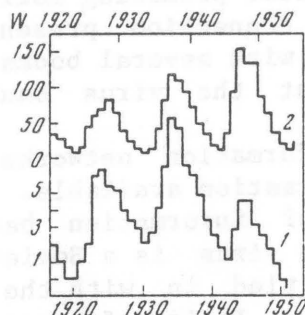


FIGURE 10. Dynamics of malaria in USSR (after Sergiev et al.) and solar activity:

1) number of patients, millions; 2) Wolf numbers; curves are shifted in phase by 3 years

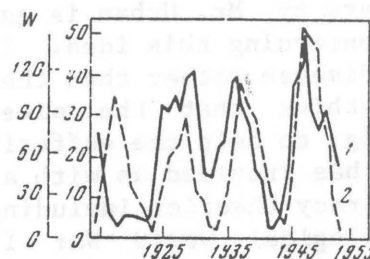


FIGURE 5. Dynamics of morbidity (1:10,000 pop.) with scarlet fever in Leningrad (1), after Ioffe et al. /31/, and curve of solar activity (2)

The sizes of viruses are in the range above the ultraviolet and through the X-rays on the linear picture of the so-called "electromagnetic" spectrum. It is interesting that when the sun erupts with X-ray activity waves of 'flu', or similar diseases blamed on viral causes, erupt at various points on this planet. It seems as though a virus is just a symptom of the 'disease waves', (though it can be a carrier once formed), which may be inspired by the sun or other environmental interferences with the natural fields, and not a primary cause as conjectured by particle oriented medicine. Here's an open area of research for those willing to break new ground.

DIFFERENT VIEWS ON AIDS - "All but a tiny minority of scientists accept as fact that an organism called the human immunodeficiency virus (HIV) is the cause of AIDS. This fact is hallowed and defended as vigorously as the facts of evolution, the Big Bang, and continental drift. Extremely nasty things are being said about a handful of heretics who attack this position.

"One leading dissident, UC Berkeley molecular biologist Peter H. Duesberg, believes that HIV is not the cause of AIDS--at least not the sole cause.

"He thinks the virus may be an opportunistic organism that found a willing host



in the AIDS patient who became sick from something else. That is, he believes HIV is the result of the disease, not the cause. Duesberg thinks the cause of AIDS has more to do with the life style of most of the AIDS patients, but he admits that he doesn't know exactly what.'

"Duesberg points out that three things must be true before a microorganism can be blamed for causing a disease. These are called Koch's Postulates, after R. Koch, who formulated them a century ago:

1. Every patient who has the disease must also harbor the suspected microorganism. Some AIDS sufferers do not have the AIDS virus, although it is debated whether as many as half don't or very few don't.

2. The microorganism must cause the disease when injected into research animals--primates for example. The AIDS virus does not; although some other diseases, such as smallpox, do not affect other animals either.

3. The suspect microorganism must be isolated from the patient and grown in a culture.

"Duesberg claims that HIV definitely fails the first two Koch tests. (Shurkin, Joel N.; "The AIDS Debate: Another View," Los Angeles Times, January 18, 1988.)" From SCIENCE FRONTIERS (No. 57, May-Jun 88) edited by William R. Corliss, published by The Sourcebook Project, PO Box 107, Glen Arm, MD 21057.

This information which came out at the same time as the REFLECTIONS ON THE PLAGUE YEARS article by Michael Urban in the last JBR shows that the high-gear shriek of media scare tactics concerning AIDS is based more on fear-promoting motivations than on clear observation of the real facts. The syphilis connection presented to Borderland readers by Mr. Urban is gaining further support with several books coming on the market concerning this idea. It seems possible that the virus could be a symptom of the disease rather than the cause.

One would think that the alternative health and information networks would respond by trying to help the suffering with the best information available. Sadly, the AIDS crisis has provided us with a continuing string of information based on political conspiracy theories including claims that the AIDS virus is a Soviet first strike in a biological World War III and is somehow tied in with the Soviet Woodpecker signal in an all out assault on anti-communists. It is unfortunate that such non-functional material has been deeply accepted into the alternative networks, but it is presented in such a manner that people believe it. Fear is a well-honed propaganda weapon, and its use is a clear sign of improperly motivated individuals and groups. It has no place in the borderland fields of research. We are interested in material that helps people, makes people feel good, and gives them hope that the world isn't really like it appears on TV.

British researcher Simon Martin has sent us a copy of the JOURNAL OF ALTERNATIVE MEDICINE, April 1986, from during the period when he was the editor. There is an interesting report of a study on the acquisition of AIDS. The resultant opinion from the study of the close family members and relatives of AIDS patients, (who kissed, hugged, shook hands, shared beds, etc.) is that it is extremely difficult to acquire AIDS from close (non-sexual) contact, and only one person out of 101 in the study actually got the disease. "The study concludes that household contacts who are not sexual partners of, or born to, patients with AIDS, are at minimal risk, or no risk, of infection with HTLV 111/LAV (AIDS)." (New Engl Journal of Medicine 1986:314,344-9)

Does all this sound a bit different from what you've been hearing on the "news"? It sure does to me. Borderland is a clearing house for unusual information and we present this material to keep alternative ideas available for clear thinking individuals, and not for any medical reasons whatsoever. We do not wish to create any false hopes, and we are not qualified to give medical advice. However, dis-ease is a true borderland phenomenon and we certainly are interested in the healing arts and the flow of living energy from the cosmos to the earth and those on it. Don't believe us (or anyone else for that matter), but certainly consider the realities we present. We do hope our ideas are of help.

SPIRITUAL SCIENCE LECTURES - In cooperation with the WINDOWS INTO THE SPIRITUAL project of the Rudolf Steiner Research Foundation many of the scientific lecture tapes translated and recorded by Rick Mansell are being released through the BSR Foundation. Trevor Constable, who directed me to these tapes several years ago, has indicated that this is the finest scientific material available to the true borderland researcher. After a year or so of listening to various lectures I find myself in complete concordance with his estimation of this material (though I certainly haven't agreed with everything I've heard on the tapes). We thank the Steiner Foundation for the opportunity to make this valuable information available.

The following tapes are lectures of Rudolf Steiner:

PATHS TO SUPERSENSIBLE KNOWLEDGE; TRUE NATURE OF SUBSTANCE; METALS & PLANETS - THE SCIENCE OF HEALING; NEW INSIGHTS INTO THE MYSTERY OF COLOR; THE LIGHT COURSE (1st Natural Science Course), 12 tapes, \$50.00; COLOR EFFECTS IN EARTH SUBSTANCES AND ON COSMIC BODIES; MAN'S RELATION TO WISDOM IN THE AGE OF ELECTRICITY, 2 tapes, \$12; MORAL LIGHT VS IMMORAL ELECTRICITY; WEATHER & ITS CAUSES; SECRETS OF WEATHER PHENOMENA; VOLCANOES & EARTHQUAKES - EARTH & THE MOON;

The following lecture tapes are by various anthroposophical researchers:

PLASMA, ETHERIC SCIENCE & THE ATOM, Schiller; HOW ANTHROPOSOLOGY BALANCES MODERN PHYSICS, Gebert; ANTHROPOSOLOGY, THE NEW PHYSICS & THE NEW GEOMETRY, George Adams; POTENTIALIZATION & PERIPHERY FORCES, George Adams; TRUE NATURE OF HYDROGEN, Adams & Hauschka; BIODYNAMICS - MYSTERY OF SUBSTANCE, Rudolf Hauschka; BIODYNAMIC AGRICULTURE, Storl; SOIL & SOUL, Mathew Kolisko; MAN & MYSTERIES OF COLOR, Gladys Mayer; ETHERIC FORCES & HIERARCHIES, Watermann; ANTHROPOSOPTIC THERAPY, Rick Mansell; ANTHROPOSOPTIC MEDICINE, Ita Wegman; BIOENERGETICS, Lowen, 2 tapes, \$12.

Orders are being taken now and we will ship A.S.A. Ready. Add \$1.50 for the first tape & \$.60 each additional. Californians add 6% sales tax. Overseas add \$3.00 for the first tape and \$1 each additional, Airmail.

COSMIC HUMANISM - Borderland Associate Stephen Patascher has a small quantity (about 30) of the out of print book COSMIC HUMANISM by Oliver L. Reiser for sale. This book is an extensive "review of the role of philosophy in the modern world of fragmented culture". Chapters include: The Battle of Man; From Primitive Magic to Modern Science; The Evolution of Cosmologies; The Structure of Modern Knowledge; The Nature of Matter, Space and Time; The Role of Field Forces in Physical and Mental Synthesis; Cosmic Evolution as Harmonic Integration; Music, Mathematics, and Cosmology; Astrobiology, Cybernetics, and Divine Knowledge; The Cosmic Christ and Archetypal Man; Cosmic Biology and the Spiral of Life; The Radiation Belts of Thought; The Cosmos Has a Plan and So Has Man; Cosmic Humanism: The Great Experiment. COSMIC HUMANISM is hardbound with 576 pages and is well illustrated with charts and diagrams. This book has sold for \$100 on the used market, and Stephen would like to get \$33 + \$3.50 P&H per copy. For each book sold he will donate \$8 to Borderland Sciences. He is also looking for a new publisher if anyone has any ideas. This is a book with far ranging and stimulating ideas and we thank Mr. Patascher for his kind offer.

Stephen Patascher also works with diabetics and is interested in new and useful information in this field as well as the general field of life extension. His address is Stephen Patascher, Ph.D., 3202 N. 67th Place, Scottsdale, Arizona 85251.

BOOKS IN PROGRESS - The following are some of the 20 or so publications in various stages of progress which will be released as completed: ROYAL R. RIFE REPORT (including all verifiable info in the BSRF files); THE HENDERSHOT MOTOR (including the late Jerry Gallimore's previously unreleased research papers); THE ABRAMS METHOD and THE ELECTRON THEORY by William F. Hudgings; INTRO TO ELECTRONIC THERAPY by Thomas

Colson; RAYS OF POSITIVE ELECTRICITY by Sir J.J. Thomson; LIES AND FALLACIES OF THE ENCYCLOPEDIA BRITANNICA by Joseph McCabe; PSYCHIC LIFE OF MICRO-ORGANISMS by Alfred Binet (1888); THE CELLULAR COSMOGONY -THE EARTH A CONCAVE SPHERE by Koresh; RADIONICS - NEW AGE SCIENCE by Riley Crabb, revised edition in progress including further documentation and circuitry; REPORT ON L.E. EEMAN & THE BALANCING CIRCUITS; THE AMAZING SECRETS OF THE MASTERS OF THE FAR EAST by Victor Perara; BENZOIC ACID THERAPY IN CANCER by Walter B. Guy, M.D.; EASY STRETCHING POSTURES by Randolf Stone, D.C.; ASTROLOGY & BIOCHEMISTRY by Vanda Sawtell; SELF HEALING BY THOUGHT FORCE by William Walker Atkinson; QUESTIONS AND ANSWERS ABOUT ELECTRICITY edited by E.T. Bubier (1986); and THE GREAT LAW by Hamish MacHuisdean, among others. These are all interesting and important books that will soon be available to borderland researchers. We will also soon be issuing a several page update/correction on our Ruth Drown rate atlas (THE DROWN HOMO-VIBRA RAY & RADIO-VISION INSTRUMENTS, \$20).

CONTACTS - Your bulletin board for events and contacting hard to find researchers and sources of information. Please be considerate when replying.

\* INTERNATIONAL RIO DE JANEIRO UFO CONGRESS - IV CIUFO, Sept 3-6, 1988. UFOLOGY and HUMANITY - The New Connection, speakers include Eric Von Daniken, Jacques Vallee, Colman vonKevizky, Leo Sprinkle, William Moore and others. Contact the executive secretariat ADAM CONGRESSOS E EVENTOS LTDA., Av. Almte. Barroso, 63 - Grupos 1413/1414, 20031 - Rio de Janeiro - RJ - BRAZIL, Tel (021) 220-1856 and 220-2781.

\* THE ORIGINAL BALANCING PROGRAM, PO Box 421, Cortaro AZ 85652, (602) 744-3016. The Balancing Program is a daily 15 minute period of concentration focusing on three geometric forms. The background of the programs is based on the measurement of brain radiation ala Brunler, Bovis and Long. An Emotional Coefficient is added to provide a balanced reading. Most interesting material!

\* FRY'S INCREDIBLE INQUIRIES, 9237 Craver, Morongo Valley, CA 92256. Al Fry has sent us a copy of his video COMING WORLD CATAclysms. This is a most interesting and entertaining tape. I can't go along with Al's helpful idea of melting the polar caps with lasers in space to stop the earth from wobbling, but there is some good information on the subject and the entertainment value is high. This and many other videos are available for rent or purchase. There is also a listing of many books ranging from "Triple Your Intelligence" and "How to Retire Without Money" to "Strange Moon Ruins" and "Suppressed Inventions". Incredible Inquiry Catalog \$1, refundable.

\* WORLD RESEARCH FOUNDATION, 15300 Ventura Blvd. #405, Sherman Oaks, CA 91403 (818) 707-5483, is holding its second World Congress on Health October 21-23, 1988 in Las Vegas. The theme: "The Puzzle of Health..Gathering the Pieces from Around the World."

#### RESEARCH BOOKS AVAILABLE FROM BORDERLAND SCIENCES

MY SEARCH FOR RADIONIC TRUTHS, R. Murray Denning \$9.95; MAN OR MATTER, Ernst Lehrs \$24.00; THE NATURE OF SUBSTANCE, Rudolf Hauschka \$14.50; THE FOUR ETHERS, Ernst Marti \$7.95; The TESLA COIL, George Trinkaus \$4.95; TESLA - THE LOST INVENTIONS \$5.95; FORM, SOUND, COLOR & HEALING, Theo Gimbel \$20.00; THE SIRIUS MYSTERY, Robert Temple \$12.95; TOXEMIA EXPLAINED, J.H. Tilden \$4.50; THE SECRET LIFE OF PLANTS, Thompkins & Bird \$9.95; SUNSPOTS, DUST AND RAINFALL, George Newhall \$16.00; ORGONE ACCUMULATOR HANDBOOK, James DeMeo \$8.00; GLIMPSES OF THE UNSEEN WORLD, Carl F. Krafft \$5.00; CENTER OF THE VORTEX, William F. Hamilton III \$10.00. New catalog in mail soon.

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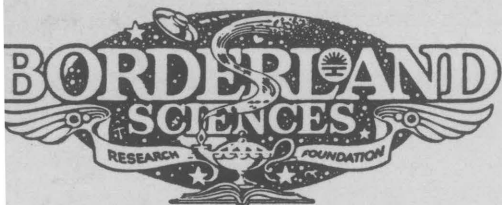
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