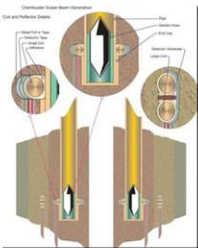Tourmaline, Natural Source of Negative Ions & Far-IR
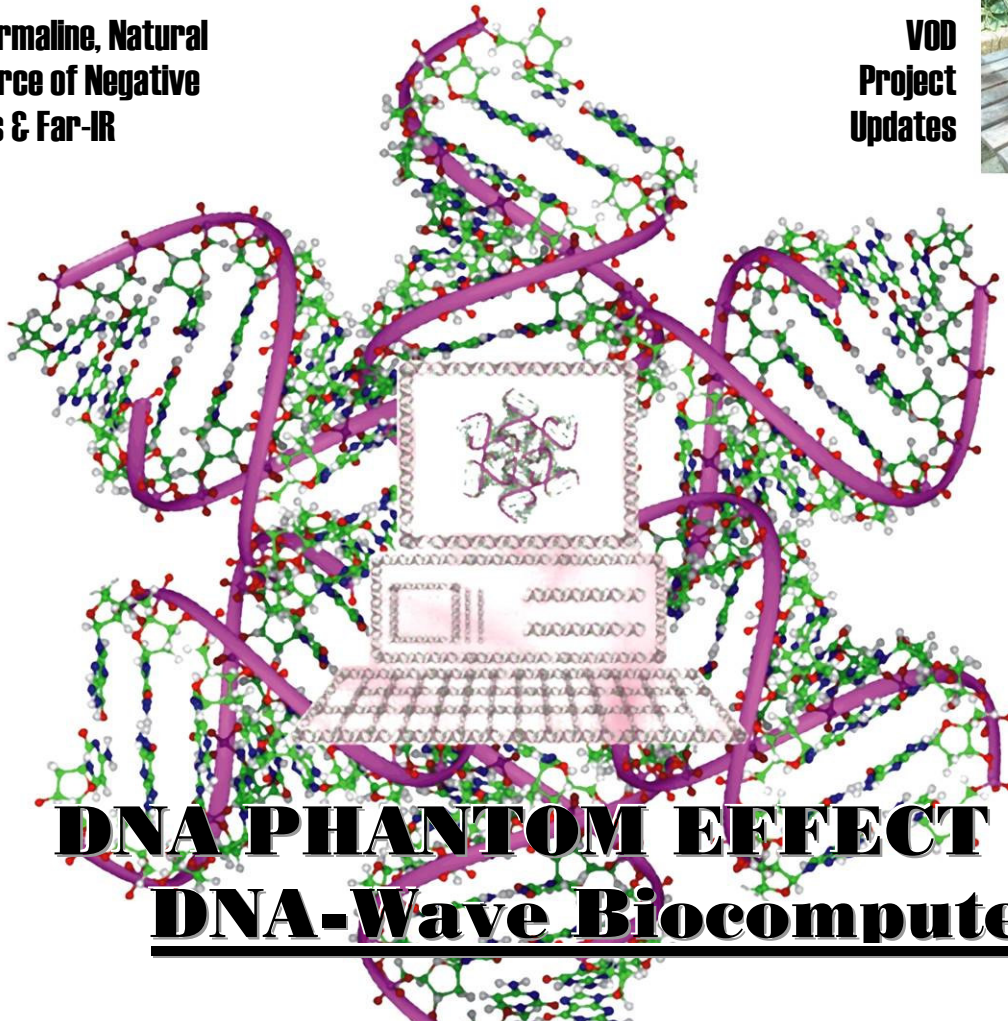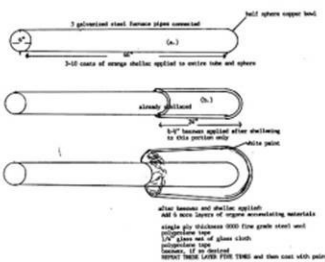
VOD Project Updates

Wilbert Smith Gravity Control

Scalar Beam Chembuster

Herman Meinke Orgone Devices

DNA PHANTOM EFFECT & DNA-Wave Biocomputer

PRELIMINARY STUDY OF LIFE-ENERGY" ASSOCIATED WITH ORGONITE AND ORMUS BY QUANTITATIVE DOWSING

Radionics theory – Sampling and Recording Quantum Data Structures

MRET PLANS – VLF FUNCTION GENERATOR – HHG TIPS – INTELLIGENT PULSARS – THE ARTICLE THAT STARTED THE (2ND) CHEMTRAIL DEBATE

Modern Orgone Electronic Magazine Issue # 5

©2005-2008 Wizzers Workshop / Wizzers Desk and contributing authors / photographers all rights reserved

Better Late Than Never

Tourmaline Gives Off Far-IR Light

Around 1986, it was found in a research station in Japan that, even though tourmaline was broken down in smaller pieces, a positive and a negative electrode existed on both end of the crystal, and the electrodes never disappeared unless tourmaline was boiled near 1000°C...In addition, when the positive and the negative electrodes of a tourmaline crystal were connected to each other, it was proven to show low electricity of 0.06mA.

DNA Phantom Effect

This new phenomenon—the DNA phantom effect—was first observed in Moscow at the Russian Academy of Sciences as a surprise effect during experiments measuring the vibrational modes of DNA in solution using a sophisticated and expensive "MALVERN" laser photon correlation spectrometer (LPCS) [5]. These effects were analyzed and interpreted by Gariaev and Poponin [6].

The new feature that makes this discovery distinctly different from many other previously undertaken attempts to measure and identify subtle energy fields [1] is that the field of the DNA phantom has the ability to be coupled to conventional electromagnetic fields of laser radiation and as a consequence, it can be reliably detected and positively identified using standard optical techniques.

The Quantum Data Structure

The Quantum Data Structure signal is the 'organizational data field employed in radionics', and known by several other names. Since the sciences of radionics, dowsing, homeopathy and psionics do not enjoy accreditation, most researchers and innovators have created their own names for the forces, energy forms and relationships involved. By any name, this signal is inherent to all material objects, events and energy forms perceivable from within a material reality.

Front Cover Art 'DNA Desktop' Copyright 2007 Jon Logan all rights reserved

Rear Cover Photo – 1 of 2 Albino Moose photographed near Bevaredell, B.C. Canada in February 2007

In This Issue *scroll down or click on title to read articles*

Cover Story – part 1

TWM

www.rialian.com/rnboyd/dna-phantom.htm

The DNA PHANTOM EFFECT: Direct Measurement of A New Field in the Vacuum Substructure

by Dr. Vladimir Poponin

INTRODUCTION

In this contribution I am going to describe some observations and interpretations of a recently discovered anomalous phenomenon which we are calling the DNA Phantom Effect in Vitro or the DNA Phantom for short. **We believe this discovery has tremendous significance for the explanation and deeper understandings of the mechanisms underlying subtle energy phenomena including many of the observed alternative healing phenomena** [1,2]. This data also supports the heart intelligence concept and model developed by Doc Lew Childre [3,4]. (See also contributions by Rollin McCraty and Glen Rein in this volume).
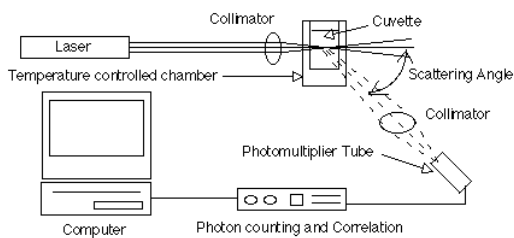
Figure 1. Illustrates a simplified block diagram of the laser photon correlation spectrometer used to detect the DNA phantom.

@ 1995 Institute of HeartMath, Boulder Creek, CA

(figure 1-
 http://www.rialian.com/rnboyd/dnafig1.gif - ed)

This new phenomenon—the DNA phantom effect—was first observed in Moscow at the Russian Academy of Sciences as a surprise effect during experiments measuring the vibrational modes of DNA in solution using a sophisticated and expensive "MALVERN" laser photon correlation spectrometer (LPCS) [5]. These effects were analyzed and interpreted by Gariaev and Poponin [6].

The new feature that makes this discovery distinctly different from many other previously undertaken attempts to measure and identify subtle energy fields [1] is that the field of the DNA phantom has the ability to be coupled to conventional electromagnetic fields of laser radiation and as a consequence, it can be reliably detected and positively identified using standard optical techniques.

Furthermore, it seems very plausible that the DNA phantom effect is an example of subtle energy manifestation in which direct human influence is not involved. These experimental data provide us not only quantitative data concerning the coupling constant between the DNA phantom field and the electromagnetic field of the laser light but also provides qualitative and quantitative information about the nonlinear dynamics of the phantom DNA fields. **Note that both types of data are crucial for the development of a new unified nonlinear quantum field theory which must include the physical theory of consciousness** and should be based on a precise quantitative background.

RESULTS

The background leading to the discovery of the DNA phantom and a description of the experimental set up and conditions will be helpful. A block diagram of the laser photon correlation spectrometer used in these experiments is presented in Figure 1.

In each set of experimental measurements with DNA samples, several double control measurements are performed. These measurements are performed prior to the DNA being placed in the scattering chamber. When the scattering chamber of the LPCS is void of physical DNA, and neither are there any phantom DNA fields present, the autocorrelation function of scattered light looks like the one shown in Figure 2a. This typical control plot represents only background random noise counts of the photomultiplier. Note that the intensity of the background noise counts is very small and the distribution of the number of counts per channel is close to random. Figure 2b demonstrates a typical time autocorrelation function when a physical DNA sample is placed in the scattering chamber, and typically has the shape of an oscillatory and slowly exponentially decaying function. When the DNA is removed from the scattering chamber, one anticipates that the autocorrelation function will be the same as before the DNA was placed in the scattering chamber. Surprisingly and counter-intuitively it turns out that the autocorrelation function measured just after the removal of the DNA from the scattering chamber looks distinctly different from the one obtained before the DNA was placed in the chamber. Two

examples of the autocorrelation functions measured just after the removal of the physical DNA are shown in Figures 2c and d. After duplicating this many times and checking the equipment in every conceivable way, we were forced to accept the working hypothesis that some new field structure is being excited from the physical vacuum. We termed this the DNA phantom in order to emphasize that its origin is related with the physical DNA. We have not yet observed this effect with other substances in the chamber. After the discovery of this effect we began a more rigorous and continuous study of this phenomena. We have found that, as long as the space in the scattering chamber is not disturbed, we are able to measure this effect for long periods of time. In several cases we have observed it for up to a month. It is important to emphasize that two conditions are necessary in order to observe the DNA phantoms. The first is the presence of the DNA molecule and the second is the exposure of the DNA to weak coherent laser radiation. This last condition has been shown to work with two different frequencies of laser radiation.

Perhaps the most important finding of these experiments is that they provide an opportunity to study the vacuum substructure on strictly scientific and quantitative grounds. This is possible due to the phantom field's intrinsic ability to couple with conventional electromagnetic fields. The value of the coupling constant between the DNA phantom field and the electromagnetic field of the laser radiation can be estimated from the intensity of scattered light. The first preliminary set of experiments carried out in Moscow and Stanford have allowed us to reliably detect the phantom effect; however, more measurements of the light scattering from the DNA phantom fields are necessary for a more precise determination of the value of the EMF-DNA phantom field coupling constant.

THEORY
It is fortunate that the experimental data provides us with qualitative and quantitative information about the nonlinear dynamical properties of the phantom DNA fields. Namely, these experimental data suggest that localized excitations of DNA phantom fields are long living and can exist in non-moving and slowly propagating states. This type of behavior is distinctly different from the behavior demonstrated by other well known nonlinear localized excitations such as solitons which are currently considered to be the best explanation of how vibrational energy propagates through the DNA.

It is a remarkable and striking coincidence that a new class of localized solutions to anharmonic Fermi-Pasta-Ulam lattice (FPU) - nonlinear localized excitations (NLE), which have been recently obtained [7], demonstrate very similar dynamical features to those of the DNA phantom. Nonlinear localized excitations predicted by the FPU model also have unusually long life-times. Furthermore, they can exist in both stationary or slowly propagating forms. In Figure 3 (image missing – ed.), one example of a NLE is shown which illustrates three stationary localized excitations generated by numerical simulation using the FPU model [7]. It is worthy to note that this NLE has a surprisingly long life-time. Here, we present only one of the many possible examples of the patterns for stationary excitations which are theoretically predicted. Slowly propagating and long lived NLE are also predicted by this theory. Note that the FPU model can successfully explain the diversity and main features of the DNA phantom dynamical patterns. This model is suggested as the basis for a more general nonlinear quantum theory which may explain many of the observed subtle energy phenomena and eventually could provide a physical theory of consciousness.

XTREMEMIND
http://www.xtrememind.com/

"Electric power is everywhere present in unlimited quantities and can drive the world's machinery without the need of coal, oil, gas, or any other of the common fuels."

- Nikola Tesla

"At any point and at any time, one can freely and inexpensively extract enormous EM energy flows directly from the active vacuum itself."

-Tom Bearden
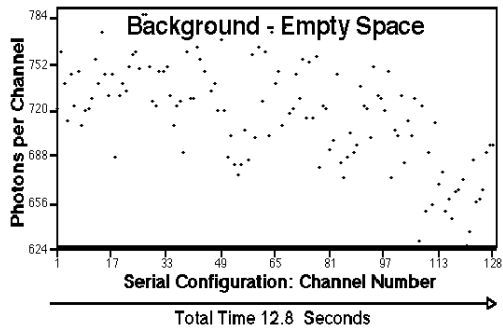
Background - Empty Space

Photons per Channel

Serial Configuration: Channel Number

Total Time 12.8 Seconds

Physical DNA In SSC Solution

Photons per Channel

Serial Configuration: Channel Number

Total Time 0.256 Seconds

Phantom DNA

Photons per Channel

Serial Configuration: Channel Number

Total Time 2.56 Seconds

Phantom DNA

Photons per Channel

Serial Configuration: Channel Number

Total Time 25.6 Seconds
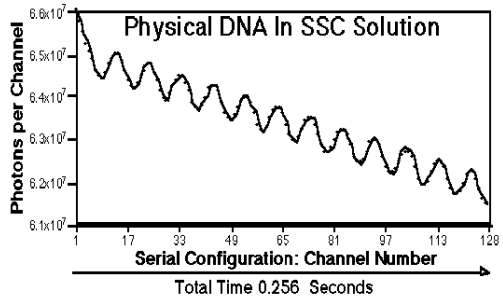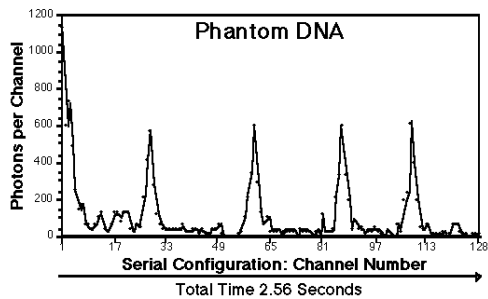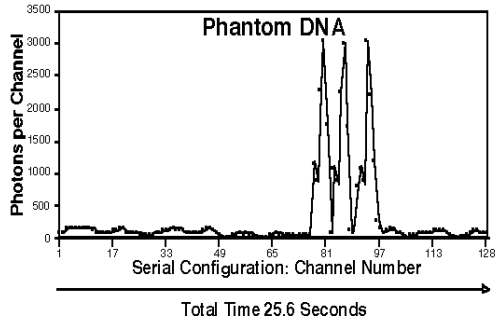
Figure 2. The top (a) plot illustrates a typical background or control when there is not any physical DNA or the presence of DNA phantom in the scattering chamber. The next plot (b) is typical when physical DNA is placed in the chamber and the bottom plots (c & d) show examples of the DNA phantom effect. Note that in these plots the cuvette containing the physical DNA has been removed from the scattering chamber.

According to our current hypothesis, the DNA phantom effect may be interpreted as a manifestation of a new physical vacuum substructure which has been previously overlooked. It appears that this substructure can be excited from the physical vacuum in a range of energies close to zero energy provided certain specific conditions are fulfilled which are specified above.

Furthermore, one can suggest that the DNA phantom effect is a specific example of a more general category of electromagnetic phantom effects [8]. This suggests that **the electromagnetic phantom effect is a more fundamental phenomenon which can be used to explain other observed phantom effects including the phantom leaf effect and the phantom limb** [9].

Dr. Poponin *is a quantum physicist who is recognized world wide as a leading expert in quantum biology, including the nonlinear dynamics of DNA and the interactions of weak electromagnetic fields with biological systems. He is the Senior Research Scientist at the Institute of Biochemical Physics of the Russian Academy of Sciences and is currently working with the Institute of HeartMath in a collaborative research project between IHM and the RAS. He can be contacted at Institute of HeartMath, Research Division, 14700 West Park Ave. Boulder Creek, CA 95006. Phone 408-338-8700, Fax 408-338-1182.*

References
1. W.A. Tiller. What Are Subtle Energies? Journal of Scientific Exploration. Vol.7, p.293-304 (1993).
2. G. Rein and R. McCraty. Structural Changes in Water and DNA Associated with New Physiologically Measured States. Journal of Scientific Exploration. Vol.8, 3 p.438 (1994).
3. D.L. Childre. Self Empowerment. Boulder Creek: Planetary Publications, 1992.
4. S. Paddison. The Hidden Power of the Heart. Boulder Creek: Planetary Publications, 1992.
5. P.P. Gariaev, K.V. Grigor'ev, A.A. Vasil'ev, V.P. Poponin and V.A. Shcheglov. Investigation of the Fluctuation Dynamics of DNA Solutions by Laser Correlation Spectroscopy. Bulletin of the Lebedev Physics Institute, n. 11-12, p. 23-30 (1992).
6. P.P. Gariaev and V.P. Poponin. Vacuum DNA phantom effect in vitro and its possible rational explanation. Nanobiology 1995 (in press).
7. V.P. Poponin. Modeling of NLE dynamics in one dimensional anharmonic FPU-lattice. Physics Letters A. (in press). 8. V. Tatur. The secrets of new thinking. Progress Publisher, Moscow, 1990, 200 p. (Russian).
9. J. K. Chouldhury et al., J. Inst. Eng. (India). 1979, v. 60, Pt EL3, p. 61-73.

www.rialian.com/rnboyd/dna-phantom.htm

Cover Story – part 2 TOC

The DNA-wave Biocomputer

Peter P. Gariaev*, Boris I. Birshtein*, Alexander M. Iarochenko*, Peter J. Marcer**,

George G. Tertishny*, Katherine A. Leonova*, Uwe Kaempf ***.

Institute Control of Sciences Russian Academy of Sciences, Moscow, Russia gariaev@aha.ru *,* http://www.aha.ru/~gariaev *, and*

Wave Genetics Inc. 87 Scollard Street, Toronto, Ontario, Canada, M5R 1G4,

gariaev@wavegenetics.com *,*

**53 Old Vicarage Green, Keynsham, Bristol, BS31 2DH, UK,

petermarcer@aikido.freeserve.co.uk *,*

http://www.bcs.org.uk/cybergroup.htm *. .*

*** Institut f. Klinische, Diagnostische und Differentielle Psychologie-Am Falkenbrunnen - D-01062 Dresden TU, Dresden, Germany, uwe@psy1.psych.tu-dresden.de

Abstract

This paper reports experimental work carried out in Moscow at the Institute of Control Sciences, Wave Genetics Inc. and theoretical work from several sources. This work changes the notion about the genetic code essentially. It asserts: -

1) That the evolution of biosystems has created genetic "texts", similar to natural context dependent texts in human languages, shaping the text of these speech-like patterns.
2) That the chromosome apparatus acts simultaneously both as a source and receiver of these genetic texts, respectively decoding and encoding them, and
3) That the chromosome continuum of multicellular organisms is analogous to a static-dynamical multiplex time-space holographic grating, which comprises the space-time of an organism in a convoluted form.

That is to say, the DNA action, theory predicts and which experiment confirms,

i) is that of a "gene-sign" laser and its solitonic electro-acoustic fields, such that the gene-biocomputer "reads and understands" these texts in a manner similar to human thinking, but at its own genomic level of "reasoning". It asserts that natural human texts (irrespectively of the language used), and genetic "texts" have similar mathematical-linguistic and entropic-statistic characteristics, where these concern the fractality of the distribution of the character frequency density in the natural and genetic texts, and where in case of genetic "texts", the characters are identified with the nucleotides, and ii) that DNA molecules, conceived as a gene-sign continuum of any biosystem, are able to form holographic pre-images of biostructures and of the organism as a whole as a registry of dynamical "wave copies" or "matrixes", succeeding each other. This continuum is the measuring, calibrating field for constructing its biosystem.

Keywords: DNA, wave-biocomputer, genetic code, human language, quantum holography.

1. What Theory Predicts.
1.1 Introduction.

How did this new theory take shape? The principle problem of the creation of the genetic code, as seen in all the approaches [Gariaev 1994; Fatmi et al. 1990; Perez 1991: Clement et al. 1993; Marcer, Schempp 1996; Patel, 2000] was to explain the mechanism by means of which a third nucleotide in an encoding triplet, is selected. To understand, what kind of mechanism resolves this typically linguistic problem of removing homonym indefiniteness, it is necessary firstly to postulate a mechanism for the context-wave orientations of ribosomes in order to resolve the problem of a precise selection of amino acid during protein synthesis [Maslow, Gariaev 1994]. This requires that some general informational intermediator function with a very small capacity, within the process of convolution versus development of sign regulative patterns of the genome-biocomputer endogenous physical fields. It lead to the conceptualization of the genome's associative-holographic memory and its quantum nonlocality. These assumptions produce a chromosome apparatus and fast wave genetic information channels connecting the chromosomes of the separate cells of an organism into a holistic continuum, working as the biocomputer, where one of the field types produced by the chromosomes, are their radiations. This postulated capability of such "laser radiations" from chromosomes and DNA, as will be shown, has already been demonstrated experimentally in Moscow, by the Gariaev Group. Thus it seems the accepted notions about the genetic code must change fundamentally, and in doing so it will be not only be possible to create and understand DNA as a wave biocomputer, but to gain from nature a more fundamental understanding of what information [Marcer in press] really is! For the Gariaev Group's experiments in Moscow and Toronto say that the current understanding of genomic information i.e. the genetic code, is only half the story [Marcer this volume].

1.2 What experiment confirms, part one.

These wave approaches all require that the fundamental property of the chromosome apparatus is the nonlocality of the genetic information. In particular, quantum nonlocality/teleportation within the framework of concepts introduced by Einstein, Podolsky and Rosen (EPR) [Sudbery 1997; Bouwmeester et al.1997]. This quantum nonlocality has now, by the experimental work of the Gariaev Group, been directly related (i) to laser radiations from chromosomes, (ii) to the ability of the chromosome to gyrate the polarization plane of its own radiated and occluded photons and (iii) to the suspected ability of chromosomes, to transform their own genetic-sign laser radiations into broadband genetic-sign radio waves. In the latter case, the polarizations of chromosome laser photons are connected nonlocally and coherently to polarizations of radio waves. Partially, this was proved during experiments in vitro, when the DNA preparations interplaying with a laser beam (λ =632.8 nm), organized in a certain way, polarize and convert the beam simultaneously into a radio-frequency range. In these experiments, another extremely relevant phenomenon was detected: photons, modulated within their polarization by molecules of the DNA preparation. These are found to be localized (or "recorded") in the form of a system of laser mirrors' heterogeneities. Further, this signal can "be read out" without any essential loss of the information (as theory predicts [Gariaev 1994; Marcer, Schempp 1996]), in the form of isomorphously (in relation to photons) polarized radio waves. Both the theoretical and experimental research on the convoluted condition of localized photons therefore testifies in favour of these propositions.

These independently research approaches also lead to the postulate, that the liquid crystal phases of the chromosome apparatus (the laser mirror analogues) can be considered as a fractal environment to store the localized photons, so as to create a coherent continuum of quantum-nonlocally distributed polarized radio wave genomic information. To a certain extent, this corresponds with the idea of the genome's quantum-nonlocality, postulated earlier, or to be precise, with a variation of it.

This variation says that the genetic wave information from DNA, recorded within the polarizations of connected photons, being quantum-nonlocal, constitutes a broadband radio wave spectrum correlated - by means of polarizations - with the photons. Here, the main information channel, at least in regard to DNA, is the parameter of polarization, which is nonlocal and is the same for both photons and the radio waves. A characteristic feature is, that the Fourier-image of the radio spectra is dynamic, depending essentially on the type of matter interrogated. It can therefore be asserted, that this phenomenon concerns a new type of a computer (and biocomputer) memory, and also a new type of EPR spectroscopy, namely one featuring photon-laser-radiowave polarization spectroscopy. The fundamental notion is, that the photon-laser-radiowave features of different objects (i.e. the Fourier-spectra of the radiowaves of crystals, water, metals, DNA, etc) are stored for definite but varying times by means of laser mirrors, such that the "mirror spectra" concern chaotic attractors with a complex dynamic fractal dynamics, recurring in time. The Gariaev Group experiments are therefore not only unique in themselves, they are a first example, that a novel static storage/recording environment (laser mirrors) exists, capable of directly recording the space-time atomic/molecular rotary dynamical behaviour of objects. Further the phenomena, detected by these experiments described in part two, establish the existence of an essentially new type of radio signal, where the information is encoded by polarizations of electromagnetic vectors. This will be the basis of a new type of video recording, and will create a new form of cinema as well.

Further experimental research has revealed the high biological (genetic) activity of such radio waves, when generated under the right conditions by DNA. For example, by means of such artificially produced DNA radiations, the super fast growth of potatoes (up to 1 cm per day) has been achieved, together with dramatic changes of morphogenesis resulting in the formation of small tubers not on rootstocks but on stalks. The same radiations also turned out to be able to cause a statistically authentic "resuscitation" of dead seeds of the plant Arabidopsis thaliana, which were taken from the Chernobyl area in 1987. By contrast, the monitoring of irradiations by polarized radio waves, which do not carry information from the DNA, is observed to be biologically inactive. In this sequence of experiments, additional evidence was also obtained in favour of the possibility of the existence of the genetic information in form of the polarization of a radio wave physical field. This supports the supposition that the main information channel in these experiments is the biosign modulations of polarizations mediated by some version of quantum nonlocality. A well known fact can therefore be seen in new light, namely, that the

information biomacromolecules - DNA, RNA and proteins - have an outspoken capacity to optical rotatory dispersion of visible light and of circular dichroism. Similarly, the low molecular components of biosystems, such as saccharides, nucleotides, amino acids, porphyrins and other biosubstances have the same capacity; a capacity, which until now made little biological sense. Now, however, it supports, the contention that this newly detected phenomenon of quantized optical activity can be considered as the means by which the organism obtains unlimited information on its own metabolism. That is, such information is read by endogenous laser radiations of chromosomes, which, in their turn, produce the regulative ("semantic") radio emission of the genome biocomputer. Furthermore, the apparent inconsistency between the wavelengths of such radiations and the sizes of organisms, cells and subcell structures is abrogated, since the semantic resonances in the biosystems' space are realized not at the wavelength level, but at the level of frequencies and angles of twist of the polarization modes. This mechanism is the basis for the artificial laser-radio-wave vitro-in vivo scanning of the organism and its components.

However, chromosome quantum nonlocality as a phenomenon of the genetic information is seen as particularly important in multicellular organisms and as applying on various levels.

The 1-st level is that the organism as a whole. Here nonlocality is reflected in the capacity for regeneration, such that any part of the body recreates the whole organism, as, for example, in case of the worm Planaria. That is to say, any local limiting of the genetic information to any part of a biosystem is totally absent. The same concerns the vegetative reproduction of plants.

The 2nd level is the cellular level. Here it is possible to grow a whole organism out of a single cell. However with highly evolved animal biosystems, this will be a complex matter.

The 3rd level is the cellular-nuclear level. The enucleation of nuclei from somatic and sexual cells and the subsequent introduction into them of other nuclei does not impede the development of a normal organism. Cloning of this kind has already been carried out on higher biosystems, for example, sheep.

The 4th level is the molecular level: here, the ribosome "would read" mRNA not only on the separate codons, but also on the whole and in consideration of context.

The 5th level is the chromosome-holographic: at this level, a gene has a holographic memory, which is typically distributed, associative, and nonlocal, where the holograms "are read" by electromagnetic or acoustic fields. These carry the gene-wave information out beyond the limits of the chromosome structure. Thus, at this and subsequent levels, the nonlocality takes on its dualistic material-wave nature, as may also be true for the holographic memory of the cerebral cortex [Pribram 1991; Schempp 1992; 1993; Marcer, Schempp 1997; 1998]

The 6th level concerns the genome's quantum nonlocality. Up to the 6th level, the nonlocality of bio-information is realized within the space of an organism. The 6th level has, however, a special nature; not only because it is realized at a quantum level, but also because it works both throughout the space of a biosystem and in a biosystems own time frame. The billions of an organism's cells therefore "know" about each other instantaneously, allowing the cell set is to regulate and coordinate its metabolism and its own functions. Thus, nonlocality can be postulated to be the key factor explaining the astonishing evolutionary achievement of multicellular biosystems. This factor says that bioinformatic events, can be instantaneously coordinated, taking place "here and there simultaneously", and that in such situations the concept of "cause and effect" loses any sense. This is of a great importance! The intercellular diffusion of signal substances and of the nervous processes is far too inertial for this purpose. Even if it is conceded that intercellular transmissions take place electro-magnetically at light speeds, this would still be insufficient to explain how highly evolved, highly complex biosystems work in real time [Gariaev 1994; Ho 1993]. The apparatus of quantum nonlocality and holography is in authors' view, indispensable to a proper explanation of such real time working. The 6th level therefore says, the genes can act as quantum objects, and that, it is the phenomenon of quantum non-locality/teleportation, that ensures the organism's super coherency, information super redundancy, super knowledge, cohesion and, as a totality or whole, the organism's integrity (viability).

Indeed it can be said that this new understanding of biocomputers, constitutes a further step in a development of computer technology in general. An understanding that will bring about a total

change of the constituent basis of that technology, in the history of analogue > to > digital > to > now, the figurative semantic (nonlocal) wave computer or biocomputer. This biocomputer will be based on new understanding of the higher forms of the DNA memory, and the chromosome apparatus, as the recording, storaging, transducing and transmitting system for genetic information, that must be considered simultaneously both at the level of matter and at the level of physical fields. The latter fields, having been just studied, as showed experimentally in this research, are carriers of genetic and general regulative information, operating on a continuum of genetic molecules (DNA, RNA, proteins, etc). Here, previously unknown types of memory (soliton, holographic, polarization) and also the DNA molecule, work both as biolasers and as a recording environment for these laser signals. The genetic code, considered from such a point of view, will be essentially different from today's generally accepted but incomplete model. This, the wave-biocomputer model asserts, only begins to explain the apparatus of protein biosynthesis of living organisms, providing an important interpretation for the initial stages within this new proposed composite hierarchic chain of material and field, sign, holographic, semiotic-semantic and, in the general case, of figurative encoding and deciphering chromosome functions. Here the DNA molecules, conceived as a gene-sign continuum of any biosystem, are able to form pre-images of biostructures and of the organism as a whole as a registry of dynamical "wave copies" or "matrixes", succeeding each other. This continuum is the measuring, calibrating field for constructing any biosystem.

1.3   Features of the Wave Model

Adleman [1994], for example, has used the mechanism for fast and precise mutual recognition between the DNA anti-parallels half-chains to solve the "the travelling salesman's problem". However in the wave model of biosystems, this is only one aspect of the self-organization taking place. For here, as the experimental evidence now confirms, the mutual recognition of one DNA anti parallel half chain (+) by the other (-) concerns special super persistent/resonant acoustic-electromagnetic waves or solitons. Such DNA solitons have two connected types of memory. The first is typical of the phenomenon discovered by Fermi-Pasta-Ulam (FPU) [Fermi, 1972]. It concerns the capability of non-linear systems to remember initial modes of energisation and to periodically repeat them

[Dubois 1992]. The DNA liquid crystals within the chromosome structure form such a non-linear system. The second is that of the DNA-continuum in an organism. Such memory is an aspect of the genome's nonlocality. It is quasi-holographic/fractal, and relates, as is the case for any hologram or fractal, to the fundamental property of biosystems i.e. to their ability to restore the whole out of a part. This property is well known (grafting of plants, regeneration of a lizard's tail, regeneration of a whole organism from the oocyte). And a higher form of such a biological memory would be a holographic (associative) memory of the brain cortex, i.e. of its neural network [Pribram 1991; Schempp 1992; Marcer Schempp 1997, 1998; Sutherland 1999]. Such wave sign encoding/decoding therefore, like DNA's ability to resolve "the travelling salesman's problem", is, it can be hypothesized, an integral part of DNA's computational biofunctionality. Indeed DNA solitary waves (solitons), and in particular, the nucleotide waves of oscillatory rotation, "read" the genome's sign patterns, so that such sign vibratory dynamics may be considered as one of many genomic non-linear dynamic semiotic processes. The expression "DNA's texts", borrowed earlier as a metaphor from the linguists, is it turns out therefore related directly to actual human speech. For as mathematical-linguistic research into DNA and human speech textual patterns, shows [Maslow, Gariaev 1994] the key parameter of both such patterns is fractality. It can therefore be hypothesized that the grammar of genetic texts is a special case of the general grammar of all human languages.

Returning however to DNA computation based on matter-wave sign functions with a view to realizing its wave coding capabilities, as distinct those used by Adleman, which might be termed its matter capabilities. Such true wave control capabilities of the DNA or chromosomes are, we hypothesize, those conditions that apply inside the living cell, i.e. in an aqueous solution but which correspond to a liquid-crystal condition as well. For under such conditions, in the unique circumstances of cell division, the living cell has the ability to replicate itself, and has the property of what in relation to a self replicating automaton, von Neumann [1966] called "universal computer construction" so that we may say that the living cell is such a computer based on DNA [Marcer Schempp 1997a]. And while the artificial cloning of a single cell is not yet feasible, what we have been able to do, is to record the DNA-wave information appropriate to these wave sign conditions of the DNA in a cell on laser

mirrors, and to use, for example, the recorded DNA-wave information from living seeds in the form of radio waves to resuscitate the corresponding "dead" seeds damaged by radioactivity.

The next step forward is therefore to bring into general use, such wave information and memory as now newly identified in relation to DNA and gene structure. Such applications could be on the basis of, for example,
i) The FPU-recurrence phenomenon, and/or,
ii) The ability to record holograms, as well as,
iii) The recording the polarization-wave DNA's information onto localized photons.

Regarding volume and speed, such memory could exceed many times over the now available magnetic and optical disks, as well as current classical holographic systems. But in particular, such applications may employ the principles of quantum nonlocality. For DNA and the genome have now been identified as active "laser-like" environments, where, as experimentally shown, chromosome preparations may act as a memory and as "lasers", with the abilities i), ii) and iii) above. And finally there are the quasi-speech features of the DNA, as these concern both natural gene texts, and artificial (synthesized) sign sequences of polynucleotides, which emulate natural quasi-speech gene programs. However, we believe this maybe a rather dangerous path, where a regulatory system of prohibitions on artificial wave genes is indispensable. The reason is that such an approach to DNA-wave biocomputation means entering new semiotic areas of the human genome and the biosphere in general; areas, which are used by the Nature to create humankind. This thought follows from the theoretical studies on a collective symmetry of the genetic code as carried out by the Eigen's laboratory [Scherbak, 1988] at the Max Planck Institute in Germany. This research shows, that the key part of the information, already recorded and still being recorded as quasi-speech in the chromosomes of all organisms on our planet, may concern semantic exobiological influences, since in regard to DNA-wave biocomputation, DNA acts as a kind of aerial open to the reception of not only the internal influences and changes within the organism but to those outside it as well. Indeed we regard this as one of our primary findings, which in view of quantum nonlocality of organisms extends not only to the organism's local environment, but also beyond it to the extent of the entire universe.

With reference to what we have said already, it is possible to offer the following perspectives on the sign manipulations with gene structures.

1. Creation of artificial memory on genetic molecules, which will indeed possess both fantastic volume and speed.

2. Creation of biocomputers, based on these totally new principles of DNA-wave biocomputation, which use quantum teleportation [Sudbury 1997] and can be compared to the human brain regarding methods of data processing and functional capabilities.

3. The implementation of a remote monitoring of key information processes inside biosystems by means of such artificial biocomputers, resulting in treatments for cancer, AIDS, genetic deformities, control over socio-genetic processes and eventually prolongation of the human life time.

4. Active protection against destructive wave effects, thanks to wave-information channel detectors.

5. Establishing exobiological contacts.

2. What Experiment Confirms, part two, the Experiments

Some of the experiments and computer simulations carried out in Moscow are now described. They set out in more detail how the understanding in sections 1. was arrived at. These descriptions concern the specific apparatus used and results obtained, together with computer simulations carried out to validate specific aspects of the developing understanding,
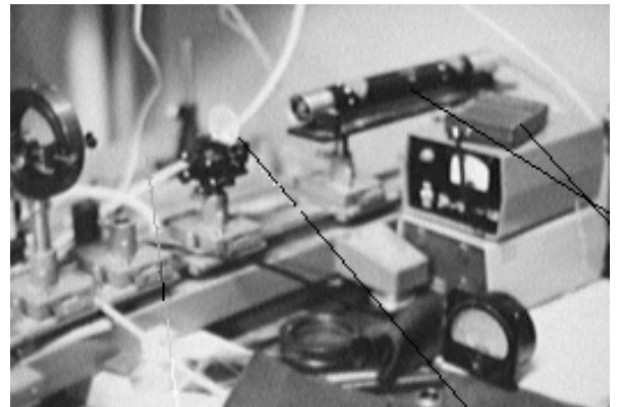
(above –ed.) Photograph 1. This first picture shows a photograph of the experimental apparatus. The principal elements are a laser, the light of which is

directed through a lens system and a DNA sandwich sample as shown diagrammatically below.

(below –ed.) Diagram 1. Illustrates the workings of the experiment which employs a dynamic light scattering system of the type Malvern.
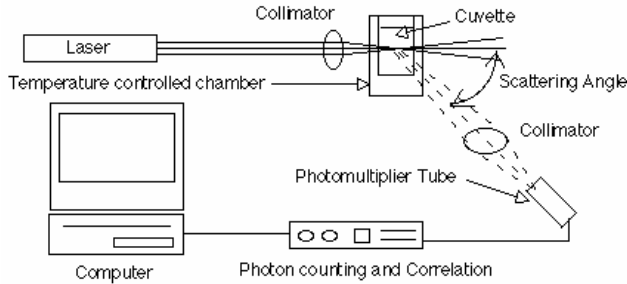
This understanding is then compared in section 3 with an entirely independently researched prospective obtained by Marcer, and Schempp [1996].

This shows the scattering by the DNA sample of the laser light, which is then guided through another lens system into the type Malvern analysing device, which counts the photons registered in different serial channels.The results of two experiments are shown at end of paper: the first entitled "Background - Empty Space", done without a DNA sample, and the second, with it in place, entitled "Physical DNA in SSC Solution".

The latter has the typical form of a periodically reoccurring pattern, which is of the same functional type as found in an autocorrelation. Such regularly occurring periodic patterns have an interpretation in terms of the phenomenon of so-called Fermi-Pasta-Ulam recurrence, which concerns solitonic waves. That is to say, this interpretation says that roughly speaking, the DNA, considered as a liquid-crystal gel-like state, acts on the incoming light in the manner of a solitonic Fermi-Pasta-Ulam lattice, as illustrated here:
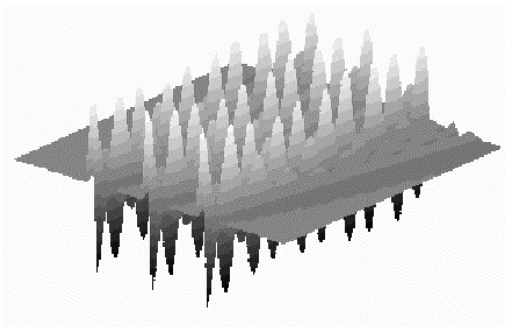
Figure: Synonymy versus Homonymy

The leading question, if this is the case, is what could such action achieve? The starting idea was that it must be concerned with the reading of the genetic texts encoded in the DNA, where however this language metaphor is now applied directly to these texts. That is to say, rather than the usual analogy taking such texts as a digital computer language or symbolic instruction code, such texts are considered instead as having the semantic and generative grammatical features of a spoken or written context dependent human language. That is, we conceived of the DNA acting in the same way as the human would, when presented with a text from a good book on a fascinating theme, which, as it is read, invokes actual 3 dimensional pictures/images in the mind's eye.

The reason for this choice concerned the problem in DNA coding raised by the question of synonymy and homonymy as it applies to the third element/codon of the codon triplets. For while, see figure below, synonymy even seems to provide a kind of redundancy, homonymy constitutes a serious difficulty under the often proposed postulate that only the first two elements of the DNA codon triplet (standing for a particular protein- the picture in the mind's eye, so to speak) are the significant ones. That is to say, how does the reading ribosome know which protein has to be generated, if the third nucleotide in codon's triplet does not of itself provide the answer with total certainty? The proposed answer was, that this ambiguity might be resolved by some kind of context dependent reading similar to that inherent in human speech and language understanding.
Satisfyingly, this need to explain how such context-dependent reading might be implemented in the DNA reduplication/reading process, as will be shown, led back to the experimental evidence as presented above, for it supports the postulate that such context dependent reading of the DNA is indeed best understood in the framework of a biosolitonic process model.

A soliton is an ultra stable wave train often with a seemly simple closed shape, which can arise in the context of non-linear wave oscillations. It actually consists of a rather complexly interrelated assembly of sub wave structures, which keep the whole solitonic process in a stationary state over a comparatively long time. In the literature, a soliton is often described as an entity, which is neither a particle nor a wave in much the same way as is a quantum, for it, too has wave/particle duality. It can also be a means to carry information. Solitonic processing in DNA, would therefore, it was hypothesized, relate, in one of its aspects, the reading of the codons, to quantum computing [Patel 2000], and this could therefore concern the soliton viewed as the travelling "window", that opens in the double helix structure as the reading takes place, as is illustrated below:
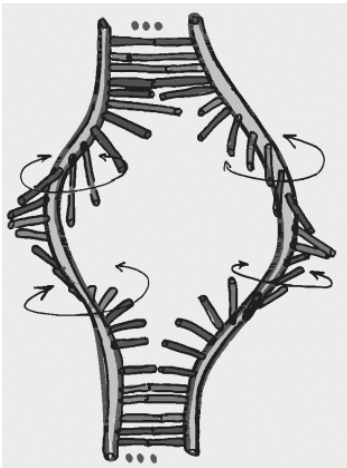
It was therefore decided to model this reading process as a complex mechanical oscillator [Gariaev 1994], capable of producing solitonic wave transmissions, which takes the form of a system of rotary pendulums, like those in a certain type of pendulum clock, as illustrated,
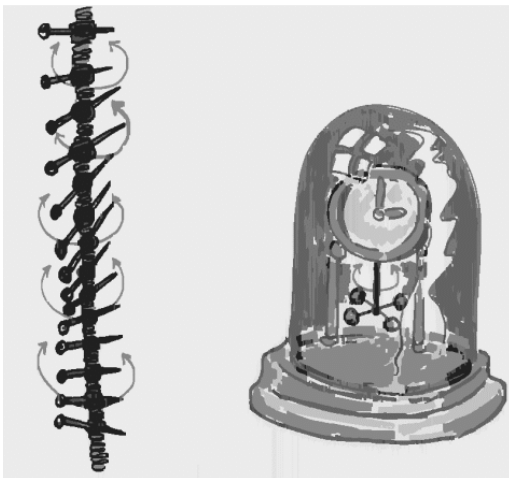
to see if the computer simulations could shed more light on just what might be happening in the DNA. In the basic model, illustrated and shown below, each of the oscillatory movements of each element of the linked chain of oscillators depends heavily on the motion of its neighbours, and on the differences in the specific weights of the elements. Imagine now that the DNA forms such a kind of pendulum, whilst the intertwined helices/chains are opened at one particular section to provide the travelling window, as in the previous figure. That is to say, the model to be simulated is a chain of non-linear oscillators, the four types of which can be identified with the Adenine (A), Cytosine (C), Guanine (G), and Thymine (T) or Uracil (C) components DNA, all having different spatial structures and masses, and where there is a travelling window opened in the double helix. Such a model allows a rather complex pattern of oscillation in the DNA chain of elements, depending on the actual layout of the elements as specified by the actual genetic code sequence involved. The window as it travels, is therefore highly context dependent.

Starting at the following sequence:

(5'□ начало) ⟹ GGC CTA TGT GGA GAG GAT GAA CTA CGT GCA CCG AGA CCT GCG GGC GGC CAA CAT CCT GGT GGG GGA GAA CCT GGT GTG CAA GGT GGC TGA CTT TGG GCT GGC ACG CCT CAT CGA GGA CAA CGA GTA CAC AGC ACG GCA AGG TGC AAG TTC CCC ATC AAG TGG AGA GCC CCC GAG GCA GCC CTC TAT GGC CGG TTC ACC ATC AAG TCG GAT GTC TGG TCC TTC GGC ATC CTG CTG ACT GAG CTG ACC ACC AAG GGC CGG GTG CCA TAC CCA GGG ATG GGC AAC GGG GAG GTG CTG GAC CGG GTG GAG AGG GGC TAC CGC ATG CCC TGC CCG CCC GAG TGC CCC GAG TCG CTG CAT GAC CTT ATG TGC CAG TGC TGG CGG AGG GAC CCT GGA GGA GCG GCC CAC TTT TCG AGC TAC CTG CAG GCC CAG CTG CTC CCT GCT TGT GTG TTG GAG GTC GCT GAG TAG TGC GCG AGT AAA ATT TAA GCT ACA ACA AGG CAA GGC TTG ACC GAC AAT TGC ATG AAG AAT CTG CTT AGG GTT AGG CGT TTT GCG CTG CTT CGC GAT GTA CGG GCC AGA TAT ACG CGT ATC TGA GGG GAC TAG GGT GTG TTT AGG CGA AAA GCG GGG CTT CGG TTG TAC GCG GTT AGG AGT CCC CTC AGG ATA TAG TAG TTT CGC TTT TGC ATA GGG AGG GGG AAA TGT AGT CTT ATG CAA TAC TCT TGT AGT CTT GCA ACA TGG TAA CGA TGA GTT AGC AAC ATA CCT TAC AAG GAG AGA AAA AGC ACC GTG CAT GCC GAT TGG TGG AAG TAA GGT GTA CGA TCG TGC CTT ATT AGG AAG GCA ACA GAC CGG GTC TGA CAT GGA TTG GAC GAA CCA CTG AAT TCC GCA TCG CAG AGA TAT TGT ATT TAA GTG CCT AGC TCG ATA CAA TAA ACG CCA TTT GAC CAT TCA CCA CAT TGG TGT GCA CCT GGG TTG ATG GCT GGA CCG TCG ATT CCC TAA CGA TTG CGA ACA CCT GAA TGA AGC AGA AGG CTT CAT ⟸ 1020 (3'-конец)

the figures, which follow, are those of the computer simulation of this process of the travelling window, carried out in relation to a particular fragment of viral DNA. The first two figures with respect to the simulation, where the vertical is the time axis, show what would happen, in case of a context dependent

reading beginning from two different nucleotides of the DNA chain, namely the 400th and the 450th respectively. In both cases these concern activity in the form of a "kink", which runs through the chain of nucleotides, A, C, G, T. The second two figures show even more sophisticated types of context dependent effects. These concern the complex dynamic patterns, which arise when also taking into account the non-linear covalent connections between the nucleotides.

ii) That, as a liquid crystal, the DNA could influence the polarization of the weak light emission known to exist in cells, the so called "biophotons". This kind of emitted light in cells was first discovered by the Russian investigator Alexander Gurwitsch [1923], who called it the "mitogenic radiation". Today it is known from the work of Fritz Albert Popp [Popp, 2000], that such biophotonic or mitogenic light, while being ultraweak, is however on the other hand, highly coherent, so that it has an inherent laser-like light quality.

The experimental setting and the resulting simulations therefore say that:-

iii) The experimental laser beam is simply a substitute for the endogenous intracellular coherent light emitted by the DNA molecule itself, and that

iv) The superimposed coherent waves of different

Thus subject to the assumption that DNA is a certain kind of liquid crystal structure with dynamic properties, where the interrelated solitonic activities are linked, as may be supposed, together to form

a highly coherent wave structure, then:-

i) The masses of the nucleotides and other parameters show that these oscillatory activities should be located somewhere together in the "acoustic" wave domain, and

types in the cells are interacting to form diffraction patterns, firstly in the "acoustic" domain, and secondly in the electromagnetic domain. Furthermore such diffraction patterns are by definition (and as is known for example from magnetic resonance imaging (MRI) [Binz, Schempp 2000a,b] a kind of quantum hologram.

14

Thus, it seems that our original picture is confirmed and that the considered interaction between solitonic oscillations in the liquid crystal structure of DNA, and the polarization vector of the ultraweak biophotonic highly coherent light, could indeed be hypothetically understood as a mechanism of translation between holograms in the "acoustic" frequency domain, which concerns rather short range effects and those in the electromagnetic domain and vice versa.

The basis of such an hypothetical mechanism as a translation process, between acoustic and optical holograms, can be easily illustrated in the laboratory, where, as shown below, there is a fish illuminated in water by means of the acoustic radiation, in such a way that on the surface of the water an interference pattern or hologram forms, such that when this interference pattern is illuminated from above in the right way, by light of a high laser quality, a virtual visual image of the fish appears above the water. It shows that the hologram in question acts as a holographic transducer between the acoustic and electromagnetic domains.
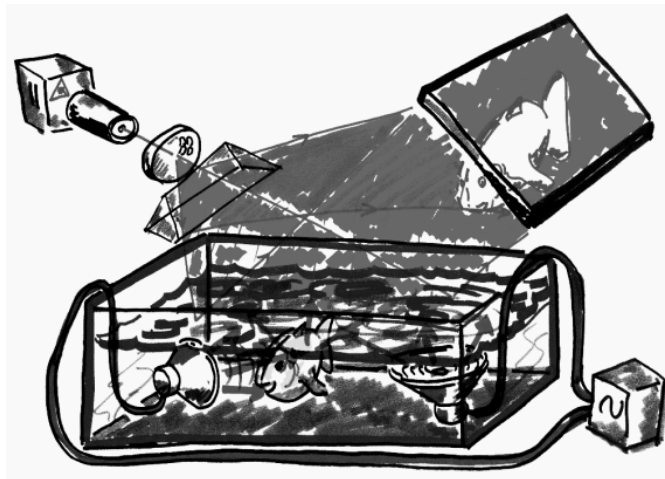
Laboratory illustration of a holographic transducer between the acoustic and electromagnetic domains.

This illustrated transduction when described in terms of the formalization of Huygens' principle of secondary sources [Jessel 1954], has been used as the basis of a new topological computing principle [Fatmi, Resconi 1988] which defines entire classes of non-commutative control structures, Fatmi et al

[1990]. It was applied to DNA. and more recently to the brain [Clement et al. 1999].

3. Another Theoretical but Experimentally Validated Perspective - Quantum Holography

Sections 1 and 2 are in excellent agreement with the independently researched model of DNA produced by Marcer and Schempp [1996]. This explains the workings of the DNA-wave biocomputer in terms of a quantum mechanical theory called quantum holography [Schempp 1992] used by Schempp [1998] and Binz and Schempp [2000a,b; 1999] to correctly predict the workings of MRI. These two DNA-wave biocomputer models are also, as cited, in good agreement with qubit model explanation of DNA more recently published by Patel [2000], and earlier independent researched models by Clement et al [1993] and Perez [1991].

The quantum holographic DNA-wave biocomputer model describes the morphology and dynamics of DNA, as a self-calibrating antenna working by phase conjugate adaptive resonance capable of both receiving and transmitting quantum holographic information stored in the form of diffraction patterns (which in MRI can be shown to be quantum holograms). The model describes how during the development of the embryo of the DNA's organism, these holographic patterns carry the essential holographic information necessary for that development. This would explain the almost miraculous way the multiplying assembly of individual cells is coordinated across the entire organism throughout every stage of its development - in complete agreement with the explanation arrived at in Moscow by Gariaev and his co-workers.

The quantum holographic theory requires that the DNA consists of two antiparallel (phase conjugate) helices, between which (in conformity with DNA's known structure, ie the planes on which the base pairing takes place) the theory says, are located hologram planes/holographic gratings, where the necessary 3 spatial dimensional holographic image data of the organism is stored in agreement with the Gariaev group's hypothesis. It says, as described in relation to laser illumination of a DNA sample, that such illumination can be expected to turn the DNA into a series of active adaptive phase conjugate mirrors (see figure below)/holographic transducers (see figure of laboratory illustration earlier), from which would resonantly emerge a beam of

radiation, on which is carried the holographic information as encoded in the DNA. As indeed is the case in the Gariaev group experiments already described. These experiments thus confirm the quantum holographic prediction that DNA functions an antenna capable of both encoding and decoding holographic information. This functionality is also in good agreement with the findings of Schempp [1986] that quantum holography is capable of modelling antennae such as synthetic aperture radars, and that this mathematical description of radar can be applied [Marcer and Schempp 1997] to a model, working by quantum holography, of the neuron. This model is in good accord with the biological neuron's information processing morphology and signal dynamics. As indeed are the quantum holographic models of the brain as a conscious system, and of the prokaryote cell [Marcer, Schempp 1996, 1997a]. It is a viewpoint originally voiced by de Broglie, who presciently pictured the electron as being guided by its own pilot wave or radar! These examples including MRI all demonstrate that quantum holography does indeed incorporate signal theory into quantum physics and it can be hypothesized biocomputation.
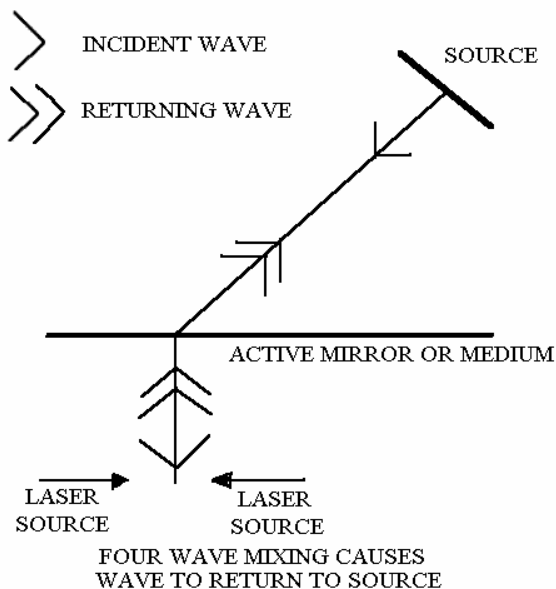
Phase conjugate mechanism or mirror in the laboratory. Action of an active adaptive phase conjugate mirror.

Furthermore, quantum holography predicts that the planes, in which the base pairing takes place, constitute a "paged" associative holographic memory and filter bank (carrying holograms which can be written and read) and which has no cross talk between the pages. The orthogonality of the holograms encoded on these pages, arises as the result of the sharp frequency adaptive coupling conditions (1), which specify very narrow spectral windows, i.e. the "pages".

(1) $<Hv(a,b; x,y)| Hv(c,d ; x,y)> = 0$ when frequency v is not equal v'

$<Hv(a,b; x,y)| Hv(c,d ; x,y)> = <aOb | cOd>$ when v = v'

for non-degenerate four wavelet mixing where a,b,c,d are the corresponding wave functions of the mixing; Hv(a,b; x,y) is the holographic transform which in quantum holography defines the probability of detecting a wave quantum frequency v within a unit area attached to the point (x,y) of the hologram plane, where the wavelet mixing aOb takes place and is described in terms of a tensor multiplication O. The orthogonality condition (1) can be seen therefore as specifying a set of diagonal elements or trace Tr in a unit matrix in the frequency domain. It implies, as can be shown, that the Shannon encoding schema employed in DNA is optimally efficient, which following a billion or more years of evolution, in DNA could be expected to be the case.

The conditions (1) are therefore in excellent agreement with Gariaev group's conclusion. It confirms that the planes on which the base pairing takes places, concerns two quantum holograms, ie the wavelet mixings aOb and cOd, where each specifies a "context", one for the other. Further quantum holography predicts, based on the symmetries of the 3 dimensional representation of the Heisenberg Lie group G, that in relation to the quantum hologram defined by a wavelet mixing aOb, the coherent wavelet packet densities a(t)dt and b(t')dt' are indistinguishable by means of relative time and phase corrections applied to the respective wavelet pathways (x,y) in the hologram plane. That is, to say, the tensor operation O, in the case of quantum holography, describes a quantum entanglement, even though aOb defines a quantum hologram, from which quantum holography shows and MRI proves, holographic information can be both written/encoded and read/decoded.

Thus, mathematically, DNA can on the basis of quantum holography be thought of represented quantum mechanically very simply by the trace
Tr < a,b | c,d >
such that when the double helix is opened, in accordance with the Gariaev description above, this corresponds to the representation
< a,b | >< | c,d >

The process of completed duplication of DNA can therefore represented as

$$Tr\langle a,b \,|\, c,d \rangle \langle a,b \,|\, c,d \rangle$$

because as it is crucial to understand in the case of DNA, the two strands of the double helix are, quantum holography shows, not the same but phase conjugate, ie what biologists call complementary/antiparallel, and so must be represented within the context of DNA itself by a,b and c,d respectively. These pairs differ quantum holography shows, constituting covariant and contragredient representations, which are essentially topologically cohomologous [Marcer 2000]. It could explain why to quote de Duve [1984], just the two elementary base-pairing {A,U/T} and {G,C} of respectively the nucleotides Adenine and Uracil/Thymine together with Guanine and Cytosine, are needed, to "govern through the two relatively fragile structures they embody, the whole of information transfer throughout the biosphere". That is to say, in DNA, these two nucleotide base pairings are the universal chemical mechanisms producing the wavelet mixing O on the hologram planes (which they also define) such that DNA can then be given a shorthand description in terms of context dependent genetic texts written in the four letters A,T,G,C.

The topological differentiation referred to above follows from the fact that, while in quantum mechanics, a wave function is only determined up to an arbitrary phase, phase difference is of physical significance (as in holography), because there exists a class of quantum observables, which are the gauge invariant geometric phases of the state vector or wave function [Resta 1997; Schempp 1992; Anandan 1992]. These observables must therefore be distinguished from those which are the eigenvalues of some operator, usually the Hamiltonian or energy function. Such a state vector description (with gauge invariant phases) by means of which each DNA molecule can clearly be expected to be described, would explain the difference between the nature of quantum interference and quantum self interference, which DNA from its double helical structure can thus be recognized to concern.

In the above means of representing DNA therefore, | >< | represents by the quantum correspondence principle, the quantum soliton control [see also, Denschlag et al, 2000] or wavepacket activity rather than its classical soliton counterpart, which was the subject of the Moscow computer simulations. These all confirm the Gariaev group's conclusions reached as a result of their experiments, that DNA

functions as a quantum coherent system/assembly (of now quantum oscillators) or whole, by means of quantum entanglement. A whole, where as (1) shows, this may be decomposed into an orthogonal family of holographically encoded 3 spatial dimensional images in line with the usual description of a quantum mechanical diagonalization. It also says in line with the Gariaev group's findings that DNA can be described as an "autocorrelation", where as shown here, this is an optimally efficient decomposition into a decorrelated family of holographic code primitives /holograms, and that this, as Schempp[1992] shows, follows from the fact a quantum mechanical harmonic oscillator (in this case the highly complex DNA molecule itself) is equivalent to an assembly of bosons each having one polarization state. The latter substantiates the Gariaev group conclusion that they have indeed discovered an entirely new form of electromagnetic vector by means of which holographic images are carried in the form of a polarization state, suitable for a new form of cinema, video and computer.

Quantum holography says that DNA satisfies the principle of computer construction [Von Neumann, 1966], since it carries a copy of itself, and is

(a)   its own blueprint written in the genetic texts, where the mechanism engineering the DNA replication is the biophotonic electromagnetic field, while the "letters" of the genetic texts A, G, C, U are held invariant, but where,

(b)   in the case of the replication of the organism, for which DNA is the blueprint written in the holographic information, the reverse is the case. That is, it is the "acoustic field" in this case, which mechanically constructs/engineers the organism out of the available matter, in accordance with the information held in the electromagnetic field holograms (these being held invariant in this case). This must therefore mean that Adenine, Uracil, Guanine, and Cytosine are invariants structures/weightings in both the acoustic and electromagnetic field domains. These mechanisms therefore correspond with the know basic features of quantum communication/information transfer known as quantum teleportation, which consists of two inseparable signal processes one classical, one quantum. The latter is instantaneous transmission from X to Y (unlimited in principle as to distance), but which cannot be used without the other, which is transmission from X to Y by conventional means at the speed of light or lower. In the case of DNA, therefore, it is the existence of the genetic text of

the organism itself which constitutes the classical signal process of quantum teleportation, able to facilitate the quantum mechanical signal processes of both the copying of the DNA as its own blueprint, and of the construction of the organism (for which DNA is the blueprint) in a massively parallel way by the means of quantum teleportation.

Remarkably too, quantum holography also confirms and is confirmed by another astonishing experimental finding. This is the so-called "DNA-Phantom-Effect" [Gariaev, Junin, 1989; Gariaev et al, 1991; Gariaev, 1994], a very intriguing phenomenon, widely discussed, when it was first found by Peter Gariaev. Later similar phenomenon termed "mimicking the effect of dust" [Allison et al, 1990]. was detected by group of R.Pecora. This is the discovery that the pattern below, found in the first experiment described, when a laser illuminated DNA, does not immediately disappear if the DNA samples are removed from the apparatus. It continues in different form for sometime. An explanation would be that quantum holography defines an admitter/absorber quantum vacuum model of quantum mechanics in terms of annihilation/creation operators [Schempp 1993], implying that DNA does indeed behave like a single quantum, which induces a "hole" temporarily in the vacuum by its removal.

DIVINE COSMOS

http://www.divinecosmos.com/

"I distrust those people who know so well what God wants them to do because I notice it always coincides with their own desires"

- Susan B Anthony.

"See, in my line of work you got to keep repeating things over and over and over again for the truth to sink in, to kind of catapult the propaganda."

- George W. Bush - 43rd US President
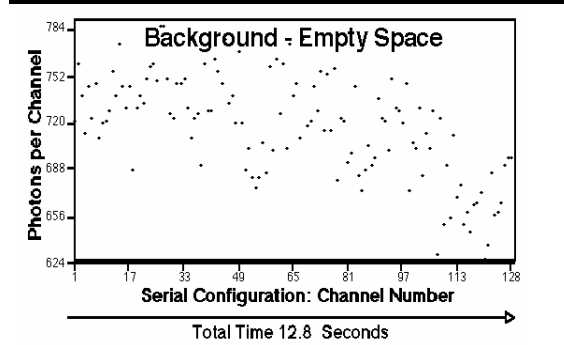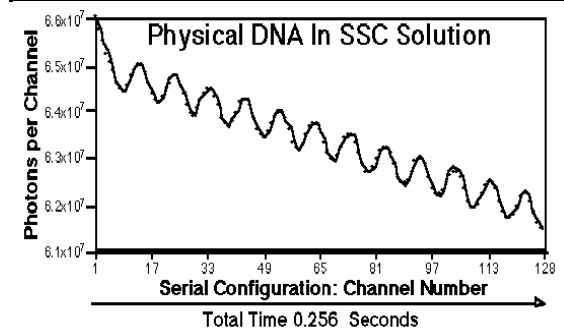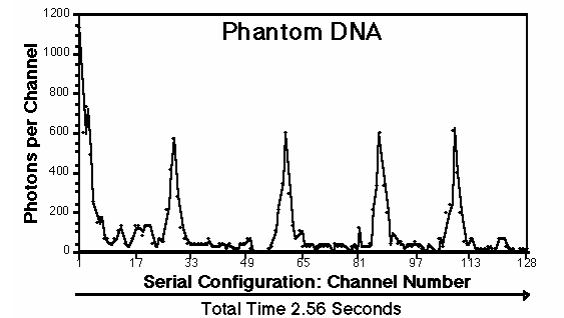
Graphs (a),(b) and (c): "Background - Empty Space", Physical DNA in SSC Solution" and "Phantom DNA" respectively .

http://www.rialian.com/rnboyd/dna-wave.doc

References
Adleman L.M. 1994, Molecular Computation of Solutions to Combinatorial Problems, Science, 266, 11th November 1021-1024.
Allison S.A., Sorlie S., Pecora R., 1990, Macromolecules, v.23, 1110-1118.
Anandan J. 1992, The geometric phase, Nature, 360, 26, 307-313
Binz E. Schempp W. 2000a Creating Magnetic Resonance Images, Proceedings CASYS'99, International Journal of Computing Anticipatory Systems, 7, 223-232.
Binz E. Schempp W. 2000b, A Unitary Parallel Filter Bank Approach to Magnetic Resonance Tomography, American Institute of Physics Proceedings 517 of the 3rd International Conference on Computing Anticipatory System, editor Dubois D. August 9-14, 1999, Liege, Belgium, 406-416.

Binz E., Schempp W. 1999, *Quantum Teleportation and Spin Echo, Unitary Symplectic Spinor Approach. In. Aspects of Complex Analysis, Differential Geometry, Mathematical Physics and Applications, Dimiev S. Sekigawa K. editors, World Scientific, 314-365.*

Bouwmeester D. et al., 1997, Experimental Quantum Teleportation, Nature, 390, 11th December 575-579

Clement B.E.P. Coveney P.V. Marcer P. 1993, Surreal numbers and optimal encodings for universal computation as a physical process: an interpretation of the genetic code. CCAI Journal, 10, ½, 149-164.

Clement B.E.P. Coveney P.V, Jessel M. and Marcer P. 1999, The Brain as a Huygens' Machine. Informatica 23, 389-398.

Denschlag J. et al, 2000, Generating Solitons by Phase Engineering of a Bose-Einstein Condensate, Science, 287, 7th January, 97-101

Dubois D., 1992, The Fractal Machine, Liege University Press, Liege.

de Duve C. 1984 A Guide Tour of the Living Cell, volume two, Scientific American Library,

Fatmi H.A. and Resconi G. 1988, A New Computing Principle, Il Nuovo Cimento, 101B, 2, 239-242.

Fatmi H.A., Jessel M., Marcer P.and Resconi G. 1990, Theory of Cybernetic and Intelligent Machine based on Lie Commutator. International Journal of General Systems, 16, 123-164.

Fermi E., 1972, Proceedings. Moscow. Science. v.11.

Gariaev P.P., Junin A.M., 1989, Energy, no10, 46-52. [in Russian]

Gariaev P.P., Chudin V.I., Komissarov G.G., Berezin A.A., Vasiliev A.A., 1991, Proc. SPIE, v.1621, 280-291.

Gariaev P.P, 1994, Wave genome, Public Profit. Moscow. 279 pages [in Russian].

Gurwitsch A., 1923, Versuch einer synthetishen Biologie. Schaxels Abh. Z. theor. Biol. H. 17.

Ho M-W, 1993, The Rainbow and the Worm: The Physics of Organisms, World Scientific, Singapore.

Jessel M. 1954, Une formulation analytique du principe de Huygens, Comptes Rendus, 239, 1599-1601.

Marcer P. 1992, Designing New Intelligent Machines - The Huygens' Machine, CCAI

Journal for the Integrated Study of Artificial Intelligence and Applied Epistemology, 9,4, 373-392. 4, 373-392.

Marcer P. 2000, Hypercomputation, Third International Conference on Computing Anticipatory Systems, CASYS '99, Liege, Symposium 9 on Quantum Neural Information Processing, Journal of Computing Anticipatory Systems, ed. Dubois D., vol. 7, 288-312.

Marcer P. this volume, Quantum Millennium, Quantum Universe, Quantum Biosphere, Quantum Man.

Marcer P. (in press) Anticipation and Meaning, CASYS 2000, International Conference on Computing Anticipatory Systems, AIP Conference Proceedings, ed Dubois D.

Marcer P. and Schempp W., 1996, A Mathematically Specified Template For DNA And The Genetic Code, In Terms Of The Physically Realizable Processes Of Quantum Holography, Proceedings of the Greenwich Symposium on Living Computers, editors Fedorec A. and Marcer P., 45-62.

Marcer P., Schempp W. 1997, Model of the Neuron working by Quantum Holography, Informatica 21, 5 19-534.

Marcer P and Schempp W., 1997a, The Model of the Prokaryote cell as an Anticipatory System Working by Quantum Holography, Proceedings of CASYS 97, 11-15, August, HEC-Liege, Belgium, International Journal of Computing Anticipatory Systems, v.2, 307-315.

Marcer P., Schempp W. 1998, The brain as a conscious system, International Journal of General Systems, 27, 1/3, 231-248.

Maslow M.U., Gariaev P.P., Fractal Presentation of Natural Language Texts and Genetic Code, 2nd International Conference on Quantitative Linguistics", QUALICO '94, Moscow, September 20-24, 193-194, 1994

Patel A. 2000, Quantum Algorithms and the Genetic Code, Proceedings of the Winter Institute of Quantum Theory and Quantum Optics, 1-13 January, S.N. Bose National Centre for Basic Sciences, Calcutta, India.

Perez J-C, 1991, De l'ordre et du chaos dans l'ADN, Science et Technology, April, 36, 40-47.

Pribram K.H. 1991, Brain and Perception; Holonomy and Structure in Figural Processing, Lawrence Eribaum Associates, New Jersey.

Popp F.A., 2000, Some features of biophotons and their interpretation in terms of coherent states. Biophotonics and Coherent Systems. Proc. 2nd A.Gurwitsch Conference and Additional Contributions. Moscow University Press. Ed. L.Beloussov et al., 117-133.

Resta R., 1997, Polarization as a Berry Phase,(The Berry Phase), Europhysics News, 28,19

Rice S.A. 1992, New Ideas for Guiding the Evolution of a Quantum System, Science, 258, 16th October, 412-413.

Schempp W. 1986, Harmonic Analysis on the Heisenberg Group with Applications in Signal Theory, Pitman Notes in Mathematics Series, 14, Longman Scientific and Technical, London.

Schempp W. 1992, Quantum holography and Neurocomputer Architectures, Journal of Mathematical Imaging and Vision, 2, 279-326.

Schempp W., 1993, Bohr's Indeterminacy Principle In Quantum Holography, Self-adaptive Neural Network Architectures, Cortical Self-organization, Molecular Computers, Magnetic Resonance Imaging and Solitonic Nanotechnology, Nanobiology 2, 109-164.

Schempp W. 1998, Magnetic Resonance Imaging, Mathematical Foundations and Applications, John Wiley, New York.

Scherbak V.I., 1988, J. Theor. Biol., v.132, 121-124.

Schleich W.P. 1999, Sculpting a Wavepacket, Nature, 397, 21st January, 207-208.

Sudbery T. 1997, The Fastest Way from A to B., Nature, 390, 11th December,551-552

Sutherland J. 1999, Holographic/Quantum Neural Technology, Systems and Applications, an ANDCorporation documented plenary presentation for the 3rd International Conference on Computing Anticipatory Systems, 8-14 August, HEC Liege, Belgium. International Journal of Computing Anticipatory System, 2000, 7, 313-334, sutherland@andcorporation.com. and http://www.andcorporation.com.

Von Neumann J. 1966, Theory of A Self-reproducing Automaton, University of Illinois Press, Urbana and London.

http://www.rialian.com/rnboyd/dna-wave.doc

Peter P. Gariaev*, Boris I. Birshtein*, Alexander M. Iarochenko*, Peter J. Marcer**,

George G. Tertishny*, Katherine A. Leonova*, Uwe Kaempf ***.

Institute Control of Sciences Russian Academy of Sciences, Moscow, Russia gariaev@aha.ru , http://www.aha.ru/~gariaev *, and*

Wave Genetics Inc. 87 Scollard Street, Toronto, Ontario, Canada, M5R 1G4, gariaev@wavegenetics.com ,

**53 Old Vicarage Green, Keynsham, Bristol, BS31 2DH, UK, petermarcer@aikido.freeserve.co.uk ,
http://www.bcs.org.uk/cybergroup.htm. .

*** Institut f. Klinische, Diagnostische und Differentielle Psychologie-Am Falkenbrunnen - D-01062 Dresden TU, Dresden, Germany, uwe@psy1.psych.tu-dresden.de

DNA IS CREATED BY A WAVE TOC

From © Divine Cosmos.com
Forward courtesy Sean Sands

Not only does this field create all the physical matter we now see around us, it is the very root from which life itself springs, already built to order. It is the chicken AND the egg.

The DNA molecule is a visible, measurable, 'solid' form of the waves that constantly ripple through this energy field — throughout the entire Universe. These waves, loaded with information, surround

you right now as you read these words — just like radio, satellite TV and cell-phone signals.

When water runs down the side of a mountain, it captures all the loose rocks and rolls them into the bottom of a stream. Similarly, the waves in the Field gather up whatever atoms and molecules they find in a given area — on any planet in the Universe where the right conditions exist, such as liquid water — and immediately push and nudge those little pieces into forming DNA molecules.

The structure of DNA is obviously a lot more complicated than the rocks at the bottom of a stream, but the principle is the same. We can prove scientifically that the Field is doing this. These subtle pressures have been measured and studied in a laboratory.

Little living critters have already been generated spontaneously, in an utterly sterilized environment, from nothing more than distilled water, simple molecules and a little zap of electricity to excite the waves in the Field. All this growth occurs in perfectly sealed environments that had been super-heated to white-hot levels, where no living thing could possibly have survived — at least not within any conventional scientific models.

DNA DO-SI-DO
The waves in this field not only create DNA by gathering molecules together — they can also re-arrange a DNA molecule.

Russian scientists have already proven that plants, animals and amphibians can be completely re-arranged into other species — particularly if you catch them in embryonic form. This has nothing to do with cloning or gene splicing. All they do is zap the DNA in the embryo with a beam of light. The light beam carries the 'wave' of another organism in it.

In one example we will present, a frog embryo was completely re-arranged, with nothing more than a beam of light, into a salamander. The salamander grew to full adulthood and showed no signs of ever having started as a frog. When it had babies they were salamanders, not frogs. Our little friend never got sick or died prematurely like normal clones would.

How could a solid, real DNA molecule shift around enough to create the codes to build an entirely different body? We are certainly not used to thinking of our DNA as being filled with many

little free agents who can play "Musical Chairs" and move around as the 'music' — the wave of life — changes.

Here's the key: DNA is not a fixed, hard structure. There are indeed many small 'pieces' that can break off from one part of a DNA molecule and move around to another part. Scientists call these little pieces 'retrotransposons.' When they move around, the code changes.

If you 'energize' a creature like a salamander with a beam of light (or other forms of energy), and then re-direct the beam into the embryo of a frog, the 'wave' will re-arrange the frog's DNA to create a salamander.

The little 'retrotransposons' in the frog's DNA move themselves around to fit the new wave from the salamander. This is similar to how rocks will gather in a new area if the stream of water shifts on its way down the mountainside.

This mechanism drives life to evolve on Earth spontaneously, in very short periods of time. All the clues to explain this process already exist in the fossil record and in groundbreaking Russian laboratory experiments with DNA.

Darwin was wrong. Evolution is not random. Evolution is part of an Intelligent Design, and we have not seen the end of the story on Earth yet by any means.

GALACTIC ENERGY FIELDS
In this groundbreaking broadcast, we will lay out comprehensive evidence that each galaxy is naturally divided up into regions with different levels of energy "charge", and our entire Solar System is now moving into a more energetic area. We can visibly measure this change by what is already happening throughout the entire Solar System.

Multiple 'whistleblowers' have said the Soviet and American governments knew about this since at least the 1950s, and decided not to share it with the public in order to avoid panic.

Just like the frog embryo is zapped by the laser beam that has the 'salamander' code in it, each planet and moon in our Solar System is now being zapped with a higher intensity of energy that is creating measurable changes in temperature, brightness, magnetic field strength, storms and even the speed of rotation in the case of Saturn.

All the evidence to prove this already exists in NASA studies — it just has never been put together under one roof until now. It explains, for example, why Pluto is getting hotter and hotter even as it drifts farther and farther away from the Sun. We have gathered well over 100 different mainstream scientific references to make the case.

'Global Warming' on Earth certainly is being made worse by our widespread industrial pollution — but there are greater energetic causes at work that are creating "global warming" on the Earth AND on all the other planets, where no SUVs exist.

This same instreaming energy is also affecting — and changing — our DNA, as it has in many other periods of Earth's history. This can be measured in the fossil record. This new energetic influence is awakening dormant brain potentials and abilities we would never have dreamed of — including the "Law of Attraction".

Real scientific evidence shows that all of this is building up to a stunning conclusion in the year 2012 — as the Mayan Calendar and other sources predicted.

THE SCIENCE OF 2012

For many years now we have been quietly, carefully building this new model. We have leaked bits and pieces of it on this website, DivineCosmos.com, over the years. Now we will give a full public disclosure of scientific evidence that our level of consciousness, and even the quality and structure of our DNA, are already being 'energetically' changed for positive purposes — and the best is yet to come.

We will argue that December 2012 is the focal point for this change in DNA and consciousness — which may very well lead to a spontaneous increase in our ESP abilities, making the 'miracles' of high masters, yogis and lamas as common as breathing. The terrifying problems we have on Earth now can be seen as part of a giant 'initiation,' by the very forces of Nature themselves, to prepare us for this sudden, unexpected evolution.

Older forms of life suddenly disappear from the fossil record in certain moments of Earth's history, many of which occur in even cycles of time that span millions of years in length.

The reason why the older lifeforms suddenly cease to exist is not some horrific worldwide death — it is that all their DNA has been changed. Embryos in the mothers' wombs are the most sensitive to the new 'waves' that come in. The mothers then give birth to children that have rapidly evolved into the new, 'upgraded' design. Within as little as two or three generations the transition is complete.

All of this is the product of intelligent energy in the Galaxy that has created the 'blueprint' for life as we know it, and is consistently seeking to promote growth and evolution. This is not strictly biological in nature either — it is also a spiritual evolution into a greater level of love, wisdom and sentience.

Many New Agers talk about 'energy' but only have a vague idea of what they are speaking of. Ancient traditions refer to concepts like "prana," "chi," "ki," the "Holy Spirit," et cetera — but again, science has been divorced from these concepts ever since its creation during the Renaissance.

© *Divine Cosmos.com*
Forward courtesy Sean Sands

Courtesy Keelynet **TOC**
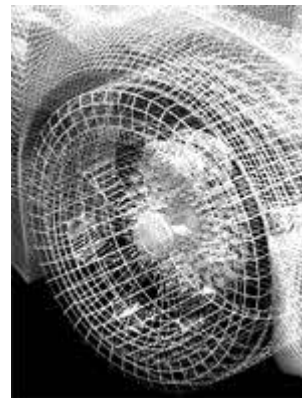
12/19/06 - OSCAR - the Open Source Car Design free of patents The open source movement responsible for software like Linux and the browser Firefox is proving contagious. Now a German entrepreneur is applying the same approach to designing a car. Former BMW employee Markus Merz, who now owns an automobile consulting firm in Dingolfing, Germany, calls his project Oscar, shorthand for Open Source Car.The idea behind open source development is to allow anyone to copy, modify and redistribute ordinarily secret information about a technology without paying royalties to the original developers. The hope is that, unrestrained by patents and other conventional restrictions such as profit margin, marketing and technology, a community of experts will come up with fresh solutions. the car will be about 4 metres long and 2 metres wide, and will have four doors. It will be powered by electricity and have a maximum speed of about 150 kilometres per hour. Participants discuss their ideas on online forums organised into four main topics: integration, which includes design, package and distribution; modules, which includes discussion of the body, engine and

safety systems; tools, which includes conversations about computer-aided design tools and simulations; and network, where participants discuss potential partnerships. A group of technicians heads each forum to ensure that the best ideas are moved forward to computer modelling and testing. From there, anyone, including car manufacturers, will be encouraged to build the car. There will be no patents, and no proprietary data.
Courtesy Keelynet

Courtesy Keelynet **TOC**

12/19/06 - Ornithopter (flapping wings) takes flight
Professor Emeritus James DeLaurier and a team of students at the University of Toronto Institute for Aerospace Studies achieved sustained flight by a piloted ornithopter – an airplane with flapping wings that are mechanically operated – something dreamed of by Leonardo da Vinci, among others. The concept of an ornithopter differs from standard fixed-wing aircraft because when flying its wings flap up and down in a manner similar to that of birds in flight. "It's an ancient dream, achieving flight with flapping wings," said DeLaurier, a professor of aerospace engineering at U of T since 1974, who retired this summer. With the help of his current research team of four students, test pilot Jack Sanderson and a few other volunteers, DeLaurier achieved his lifelong dream of flying a full-scale ornithopter July 8 at Downsview Park. Equipped with a 24-horsepower engine and a model airplane turbo booster, the ornithopter flew for 14 seconds at an average speed of 88 km/h, in the process travelling a third of a kilometre. "It was sustained flight; no one can question that. It received help from the booster jet but the majority of the thrust was from the flapping wings," DeLaurier said. "When it did fly we were pretty happy. I was just hollering with joy." The flight ended due to a stress-related failure in one section of the left wing. The ornithopter's nose and front wheel were damaged during landing.
Courtesy Keelynet

Modern Orgone Technology

Sampling and Recording of Quantum Data Structures- The Basics TOC
By Jon Logan © 2007
Note: in this document the terms 'Quantum Data Structure' and its abbreviation "QDS" refer to a complex signal. These terms are used interchangeably with the term 'radionic sample' in previous articles I have written.

Since it involves a method of data storage inherent to the material universe which stores information in the supposedly random orientations of material structure and energy field interference patterns, I think that the use of the word 'Quantum" is warranted.

Quantum theory states that changes in energy state happen to matter (on a very fine level) not in a smooth curve but in discreet steps. These steps are called Quanta.

I (differing somewhat from currently accepted quantum mechanics theory) contend that quanta are fractal (there may be smaller quanta-like divisions inside of quanta, and that quanta may functionally link together in groups to form larger quanta-like volumes.

It would seem that the 'cogging' action produced by matter changing state in very small but discreet steps, in combination with the relative orientation of and interference between particles of matter serves as a method of data storage. The data is stored in the matter itself, and emitted from the matter as a multispectral signal. The data describes, on a fundamental level, the matter itself.

Though various material substances have vastly differing properties, typically there is enough 'room' for additional data to be stored, over and above the basic data that describes the matter and thus organizes the energy composing the matter – into matter.

The article describes practical physical methods and minimal related theory for working with this complex, multispectral signal. The methods and theory here should be considered experimental and / or hypothetical.

The Quantum Data Structure
The Quantum Data Structure signal is the 'organizational data field employed in radionics',

and known by several other names. Since the sciences of radionics, dowsing, homeopathy and psionics do not enjoy accreditation, most researchers and innovators have created their own names for the forces, energy forms and relationships involved. By any name, this signal is inherent to all material objects, events and energy forms perceivable from within a material reality.

The informational signal derives from the fact that an arbitrarily selected atom will contain not only the energy required to maintain the existence of said atom, but also the information required to describe said atom. The energy composing the atom is in motion. The exact paths taken by many small volumes of energy in motion (subatomic particles and orbitals) correspond to the type of atom. The fact of each subatomic particle being in motion causes it to emit waves, and the exact way in which many subatomic particles move in relation to each other creates a characteristic signal to be carried on the waves.

Therefore, a given atom will 'contain' at least the amount of energy required to maintain that atom in existence, and the information required to describe that atom.

'Matter' is actually energy moving in a characteristic pattern that corresponds to a given material entity, and produces an emission spectrum carrying a complex signal. That signal, the Quantum Data Structure, is inherent to material reality.

This applies not only to matter at the atomic level, but also to all material constructs (things built out of atoms) and to the main energy forms that we perceive from within a material environment (light, sound, heat, electromagnetic waves, and other things we typically do not think of as being 'material').

Most material constructs are capable of having more than one state; their QDS may also contain information concerning their state. This means the same object in a slightly different state would have a slightly different QDS.

It also means, in short, that an organism may have a QDS describing not only that organism, but also containing information on the state in which that organism exists.

Therefore, it is also possible for a QDS to contain data about specific experiences, biological or emotional or mental states, abstract thoughts, or archetypical experiences which an organism may have. All of these are examples of a material entity in different states. The more complex the material entity, the more possible states the material entity may have (as a rule of thumb).

Since events, which may occur in a material environment are played out by material constructs, they also have a QDS.

QDS Effects:
Since the basis of material reality is electromagnetic attraction and repulsion effects, all objects, events and states of objects produce a constant emission.

This emission interferes with and causes a change to other objects which are subjected to the emission.

This effect is usually more pronounced on objects which are close to each other in some important way. The objects may be 'close' in a geographical sense, or they may be close as in locked in resonant relationship with each other, regardless of geographical distance. They may be close in the sense of there being a significant flow of energy (of virtually any type) between them.

Possessing a same or similar QDS forms a close resonant relationship between two or more material constructs.

Resonance effects, working in both commonly and not-commonly known ways, produce the result of two-way interaction, via the QDS, between a material construct and the immediate environment around it (as well as to any remote object with which it shares a sufficiently similar QDS).

The material world around us is awash in a sea of background radiation. This radiation is multispectral and non-homogenous. There are many different types of radiation, in a broad spectral range.

This background energy forms a matrix. It is organized in a mutlifractal pattern – ie. There is more than one fractal organizational pattern to be found within it. There is a system of fractal matrices that form a grid. The lines of the grid are energy-probability vectors. The 'lines of the grid have the 'highest' probability that energy in motion will move along them. The 'spaces' between the lines of the grid have the 'lowest' probability that

energy in motion will move there. The result is a grid which organizes energy-motion. The most obvious example of a part of this grid would be the relatively stable orbital and interference patterns for subatomic particles we call 'matter'.

For the rest of this document, a material construct will be referred to as an Entity, with the understanding that all 'things' in the world which we can perceive are entities. Persons, places, things, forces, events, specific thoughts and specific times can be defined as Entities. In short, an entity is 'anything that has a footprint in the grid'. Therefore, for the purposes of metaphysics, Entity is a purposefully broad term.

Also for the purpose of this document, the 'Astral" plane and other, higher spectrum stable energy-motion bandwidths / environments are also considered to be material.

The matter composing the next stable region in the multiverse upwards in spectrum from this one is less dense than that which composes the physical world, but it is still matter, ie. It is energy organized into a stable, characteristic pattern and in enough variety to form a complex environment which entities and forces may inhabit and in which events may occur.

Anything capable of producing or being affected by a QDS is an entity, and every QDS requires an entity in order to exist. Every entity requires a QDS in order to exist.

The nature of the QDS, in that it exists at all levels of the 'reality grid', and in all regions of the 'reality grid', is such that all known energy forms carry QDS data. Therefore, all known energy forms may used to transmit or receive QDS data. All known energy forms are inherently modulated at least some QDS data. That said, some energy forms are more efficient than others. Light and Scalar Waves are more efficient than EM Waves and Audio Waves, though all are efficient enough to be workable as a basis for or component in a QDS transmitter, recorder, receiver, etc. The combination of multiple forms of energy tends be more efficient than the use of a single form alone.

QDS Communication between entities
It is possible for an entity to exist in one region or level of the reality grid and not in another, though existence in one region causes an effect in all regions of the reality matrix. The effect to the rest of the grid caused by an entity is highly variable. In some places it is an easily observable effect, in others the effect is as small as to be 'theoretical'.

The degree of effects caused by an entity in the realty grid is defined by the way that the entity interacts with other entities and the grid (ie. The state of the entity and the state of its environment), and differ depending on the 'closeness' of the entities to each other. An entity has an effect most strongly on the immediate environment and on the entities closest to it.

This closeness may be due to a similar QDS between 2 entities, or it may be due to geographical closeness within the grid itself.

As an analogy, we can think in terms of being able to communicate with another person. We can do this several ways – for example by speaking, or by shouting, which require physical proximity. To suit our purposes, we can cheat and use a long pipe like they did in early naval vessels, which has the advantage of making our voices go farther (minimally) and sending our voices exactly where we want them to go (more effectively).

We can go a step further and use a long wire and convert our voice into a different type of energy (from audio oscillations to electrical voltage oscillations) at one end of the wire and back again at the other end. A step further yet and we can cut the wire, add an amplifier, tune the circuit and use it to send the oscillations as radio waves, reversing the process on the other end.

The (multispectral) energy field of an entity causes a change to, and is changed by, the energy field of another entity which it encounters. The type of change depends on what the two entities are, and what states they are in, and what the state of their shared environment is.

The degree of change depends on how well they can 'hear' each other. This is what is referred to by 'closeness' in this document, and the closeness of two entities may be derived from their literal proximity or it may be artificially induced by mixing two QDS signals and / or causing a flow of energy to pass between the two entities. The flow of energy (analogous to the pipe or wire) and the QDS (analogous to the audio waves if we shout or the radio waves if we use a radio) act like a telephone wire between them, and allow communication to pass between them.

If the QDS of two differing entities are artificially mixed, then the QDS will also act like a telephone wire between them. This phenomenon forms the basis of radionics, psionics, and homeopathy.

The effects of mixing two identical QDS values are constructive, for the most part. Though phase relationships do apply there is a tendency for two same or similar QDS values to 'sync' and / or 'entrain' with each other on their own, unless the phase difference is very different. It would appear that there are several phase relationships which two identical QDS signal will naturally fall into, and they will fall into the nearest stable phase relationship. So, if we combine them at 5 degrees phase difference, they will drift towards 0 degrees phase difference. If we combine them at 175 degrees phase, they will drift toward 180. The effects of mixing two identical QDS values in causal engineering tend to be constructive and are less often dramatic than when two differing values are mixed. This is based primarily on experience with radionic tuning circuits.

I hypothesize that if you take a gold atom and broadcast the QDS of gold to it, it should have a higher energy state but probably will not undertake any dramatic transformations unless a lot of power is supplied through the QDS link, enough power to cause the gold atom to undergo a dramatic change. (Note: power is equivalent to work over time. Work is to cause a change in reality.)

From conventional wave theory we can evidently gain the basic idea that when two identical waves are mixed, they can either combine to make exactly the same signal just slightly louder (0 degrees phase difference), or can cancel each other out (180 degrees phase difference), creating silence, or combine to create many more harmonics (say at 45 degrees phase difference). When they are perfectly aligned, there is no dramatic change to the signal other than that the amplitude raises.

QDS are complex structures and not simple waves, but many of the same concepts apply.

When we mix two different waves together, they interfere in different ways, depending on how we mix them and what waves we choose to mix together. In any case, they will cause a much greater degree of change to each other than would two identical waves.

The same applies to QDS mixing, combining two differing QDS values has been the basic technique employed by radionics practitioners for apx. a century in western countries, and this is only in its current western incarnation as radionics psionics / homeopathy. One of the most common examples would be to mix the QDS of a medicine with the QDS of a patient.

Mixing QDS signals
Since any known energy form may be used to carry QDS data, a simple and effective means of mixing 2 QDS values is to send a stream of energy (any known energy form) from point A to point B, and place the two QDS samples to be mixed at points A and B.

The Abrams-architecture radionics machines use the method of sending a stream (a transmission) of energy from A to B (or setting up a loop of energy between them; letting it go back to A again), and they allow you to place a sample on either end of the stream, or to place on sample at the origin point of the steam and to 'point' the stream at the other sample or patient.

Omitting the funky scalar fields for the sake of clear illustration, you could (and in early models they did) set up a simple circuit which dumps electrical current from a battery to a ground (or the battery negative) across 2 bare metal plates. If you put the A and B samples on the 2 metal contact plates, then you are mixing the QDS values. You can exercise some control over how the two samples are mixed by choosing which sample to place on which plate, ie you can send the QDS of sample A to the entity corresponding to sample B, or vice versa.

Most of the electrical energy will simply pass through the circuit to ground, but the 'telephone line' effect of the QDS will still cause an effect on the entity which the sample reflects. A typical example would be to place a sample of an organism on one plate, and a sample of a chemical substance on the other plate, in order to remotely subject the organism to some of the effects of the chemical substance.

This process is made much more effective by 'tuning' the circuit on some way, altering the characteristics of the circuit until the circuit 'best fits' the signal currently in use. In early radionics circuits, this was a potentiometer or series of potentiometers which could adjust the inductance and capacitance of the circuit according to what was then current electrodynamics at that time.

In other machines, different means may be employed to adjust the circuit characteristics. With radionics machines of a traditional design, the sensor is the operator and the circuits must be adjusted by a trained operator since biofeedback is used to determine when the circuit is correctly adjusted. While this is a less than perfect method, it demonstrably works enough of the time to be useable, and has the advantage of being able to get at least some 'signal locking' for many things not currently measurable with laboratory equipment (like abstract thoughts and emotional states).

Conditions for getting a QDS sample
The energy field emitted by any entity is multispectral, even if we only consider the 'known' energy forms. The energy field of a person, for example, has a thermal component, an optical component, an electromagnetic component and an acoustic component, all of which have scalar components. Oversimplifying somewhat for the sake of ease, we can think of it's scalar field as being the totality of all the field components, and the QDS as a perfect fractal map of the resulting 'multispectral' field, which 'map' is constantly emitted from the field, and updated in real-time as is changes in response to impinging energy.

The QDS is similar to DNA, or to a holograph plate, in that it is fractal in nature. Each part of the whole contains information about the whole. And since the field emitted by the entity changes the QDS, and the QDS changes the entity, we could say that an entity and its QDS are in a resonant feedback loop. They are also 'in step' to some degree with all the other entities that have a similar QDS.

The field components will update to try and sync with the QDS, and the QDS will update to try and sync with the field components. Bear in mind that physical matter is essentially energy fields. The subtle biomagnetic field of a complex organism is more easily moved and more dramatically changed by an external QDS than the physical matter composing the organism, but both respond to external QDS signals. Changes to the QDS of an organism precipitate and / or reflect changes in the biomagnetic field of the organism. In turn, changes in the biomagnetic field of an organism precipitate and / or reflect changes in the (physical) biochemistry of the organism.

The biomagnetic field around an organism is largely defined by the material substance characteristics in the body of the organism. The characteristics of material substances are largely defined by the properties of atoms. The properties of atoms are defined by the properties of subatomic particles. The contention that quantum effects cannot possibly produce any effects at the macro level is absurd; the effects are just indirect and more subtle than at the quantum level. Characteristics of entities at the macro level are defined by the characteristics of entities at the quantum level.

Since each part contains information about the whole, we need not obtain a perfect emission spectrum image of all the field components in order to get a sample of the entities QDS. Likewise, we need not get a tissue sample of every tissue type in an organism's body in order to get a DNA sample of the organism.

The QDS will be in ANY physical sample or conventional emission recording that we get. It will be in any tissue sample, audio recording of, photograph of, drawing or mathematical representation of, or written words describing- the subject. The more direct the sample is, the 'louder' or 'brighter' the QDS will be in that sample. The more complex the recording media, the 'higher resolution' the sample will be.

Using photography as a metaphor, we need not obtain a perfectly accurate IR-Visible-UV broad-spectrum photograph in order to get a useable picture. It can be a black and white picture and still be useable. The better lighting and film, the better the picture. Even if the picture is fuzzy, it may still capture enough information to suit our purposes, depending on what information we are looking for.
We can enhance or diminish various aspects of the subject of the photograph by controlling the lighting. We can, as a general rule of thumb, say that the better the lighting the more accurate the photograph will be, and the film is a secondary consideration. It is easier to get a good shot with economical film if the lighting and composition are good (and suited to the film being used), than it is to get a good shot when the frame and lighting are wrong, regardless of how good the film or camera are. Film quality enhances the photograph but does not substitute for proper lighting and composition of the shot.

In obtaining a QDS sample for radionics, homeopathy, causal engineering or the like, we can think of the field components as the 'lighting'. If we 'light up' the subject with one or more compatible field components, then the image is

more readily transferred to our 'film'. We can effect this by placing the sample of the subject in the focal point of an energy field, or in a stream of energy. Sound, heat, light, scalar and radio waves are all useful for this purpose and easily accessible to most (with the possible exception of scalar waves).

A desktop computer, sound card and monitor are capable of producing a combined acoustic / photonic / RF emission. The monitor emits RF waves (so does the whole computer) and emits light. The sound card makes sound waves when powering speakers. The sound card may also be used to drive scalar wave generators, or EM wave coils. It has the capacity to record, edit, mix, and play back electronic signals through its sound card. The computer is a useful tool in 'backlighting' to produce QDS samples, in broadcasting the finished signals, and in mixing QDS signals which have been embedded in electronic files.

Methods of and basis for QDS sampling

Contact Sampling
Contact sampling is the most direct and accurate method of sampling, and is effected by physical contact with the subject entity on the recording media, or on a suitable contact point in a running circuit which routes energy to the recording media. An example would be to have the subject entity touch a metal plate connected to the input of an audio amplifier and mix the resultant signal into white noise, recording the results. An enhancement would be to 'improve the lighting' y bathing the contact point (or the whole subject) in a scalar field, and take steps to reduce the 60HZ hum you will get when doing this.

Another example would be to have the subject hold a glass of water for several minutes, and the sample is recorded to changes to the randomness of the water molecule alignment in the water, and in changes to the photonic refraction randomness of the glass.

If the subject is for example a mineral or chemical rather than an organism, a sample of the material may be placed in a glass vial for repeated use as a contact sample.

Dedicated sealed glass vessels are the preferred method for storing original samples made this way since the glass protects the water from being 're-written' to some degree.

Glyphic Sampling
Glyphic sampling is the second most direct and accurate sampling method and relies on the fractal nature of the QDS. A photograph is an example of glyphic sampling, as are the Om symbol and reiki symbols in general. The photograph is a near-perfect glyph of the optical component. Some Reiki (and other) symbols are glyphs corresponding to the fundamental structure of the QDS of certain abstract thoughts, forces or emotional states.

Glyphic samples are 2-dimensional images corresponding loosely to the 'actual shape' of one or more of the field components of an entity, or of a repeating fractal pattern inherent to the QDS of the entity.

When written or drawn by a human, the 2-dimensional images are also modulated with the state of mind of the human, and this modulation shows up in changes to the randomness of the ink lines, and also in changes to the randomness of the alignment of the ink molecules while the ink dries. The QDS is also reflected in changes to the dielectric field internal fluctuations of the paper where it was creased during the writing.

Even though the actual QDS is a shape in more than 3 dimensions, can we take a 2-dimesnional slice of it? If we could, it would not look like English writing, but it may look sort of like a Tibetan mandala - sometimes. Ergo the superiority of glyphic sampling to archetype sampling. While the strength of glyphic sampling is in accuracy, the limitation of glyphic sampling is that one must know the correct glyph to draw, which may look nothing at all like one's written language for the same thought concept.

Archetype Sampling
Archetype sampling is the next most accurate and direct method of sampling, and written samples are the most common example of it. It works via the resonance effects of the reality grid. Each entity has a QDS, and while a person has a QDS, so does an abstract concept. For example, that concept and related emotional state referenced by the word 'happy'. That which is most resonant to a written word is that which writes the word. Next most resonant is the archetype of the concept represented by the written word.

As an example: Since the beginning of time, billions of billions of entities have had their own variant of the experience of 'happiness', lived their lives, and left their mark on the universe by

changing it (the universe) in the act of living their lives. The emergent average of their individual QDS while experiencing happiness is the archetypical QDS of happiness, and is that referenced by the written word 'happy'.

However, the QDS linking of a written word is not direct and includes information on the entity writing the word , state of entity while writing, connotation of word assigned while writing, archetype of language word is written in, and likely a lot of other things too.

A clear mind or a focused mind will enhance the writing or drawing of samples. If it is difficult to have a clear mind, the words may be written by a machine and thereby take a more direct route to the archetypical concept, at the loss of the individual occasion-specific connotation.

Machines may also be used to 'write' a word hundreds, thousands, or millions of times in a compact space. We may use contact sampling to get an original QDS sample, and then copy it onto a written format, and allow a machine to 'repeat' it many times in order make it more defined through constructive self-similarity resonance.

Despite its inherent limitations, archetypical sampling in written form has the significant advantage of being able to get at least some QDS linking to entities of which we have no other possible sample.

Bearing in mind the effects of mixing QDS values, we can enhance the accuracy of written samples by writing more than one word, though the less the better. Short sentences work better than long paragraphs, as a rule of thumb. We can also use synonyms to correct for extraneous QDS data introduced during the writing process.

We can use external factors (for example, playing our favorite piece of music) to reinforce our state of mind while writing the sample and ensure a better sample.

New clean paper should be used for written samples, and using conductive India ink is a minor improvement over ballpoint pens. Use smooth, non-tentative strokes of the brush or pen and take care to maintain the desired mental focus (or energy bombardment if running a machine) while the ink dries.

If symbols are used instead of words, the same applies.

If photographs are used instead of symbols, then the state of mind captured by the photograph and evoked by the photograph is of more importance that the aesthetic value of the photograph. Also, the age of the photograph is something of a consideration, especially for causal engineering.

For biological effects, microscopic photographs of material substances in some cases serve almost as well as samples of the substances themselves.

So, for causal engineering, the state of mind is a key determinator in any sample. For biological effects, it is best to have an actual sample of 'vitamin X', and next best is a machine-taken microscope photo of 'vitamin x' least efficient would be the word 'vitamin x' written on a slip of paper.

But hey, if you are dying of vitamin x deficiency and have none, the QDS of vitamin x ought to be accessible in some limited way by just writing it on a slip of paper and using a radionics device. Theoretically, a small effect could be gotten by just writing it on a slip of paper, taping the slip to the side of a clear glass of water and shining some light on it for a while.

How? Well, if every atom in existence has a QDS, therefore everything made of atoms has a QDS, then 3 things pop up:
1 –   The archetypical molecular form of vitamin x has a QDS
2 –   The paper you are writing on has a QDS
3 –   Every word in the English language has a QDS (see above (the emergent average of the QDS of every instance of a given word's appearance in the reality grid)

So, when you write 'vitamin x' on a piece of paper, you are mixing the QDS of the paper with the QDS of the concept that the word points to. Of all the slips of paper in all of reality, yours will be most similar to (and thus have the most constructively harmonic resonant relationship with via the QDS) all the other slips of paper in the entire universe with the same thing written on them, and the archetype of that which is referred to in the writing. The emergent average of all of those thoughts in the minds of all the people who wrote the same thing on their paper will be most similar to the archetypical molecular form of 'vitamin x' (as

opposed to all the other archetypical molecular forms).

Realistically, geometric symbols tend to produce better results than the method described above; the above is expressed to show the underlying theoretical premise which IMO accounts for the demonstrable changes to viscosity, taste, specific gravity, crystalline alignment and other subtle (but measurable) properties of water in response to written words (see Masaru Emoto on the web for example).

Also, as stated earlier it would be far better bombard the water with a more powerful energy flow or field, one which carried a more direct sample of the QDS of 'vitamin x'.

The above should not be taken as medical advice and is not designed to substitute for the presence of vitamins where vitamins are available. IMO vitamins are best used by ingestion but in recent times the security of the supply of vitamins is in jeopardy, and basic radionics technique may IMO be likely used to offset some of the resultant lack, if need be.

Random Interference sampling

All off the above methods employ random interference sampling, so the underlying concept is brought into a little closer focus here. For the purposes of random interference sampling, the QDS behaves like an arrangement of energy-probability vectors.

This probability-influence aspect of the QDS is a factor in allowing the field components of an entity to sync with the QDS. How do a bucket of water molecules align to form geometric crystal shapes when contact-sampling the archetypical sample of the abstract concept of love (see Masaru Emoto's work)?

There is not enough of any type of known energy field at work to force water molecules to realign, but there is a probability field associated with the QDS of the written sample, and I contend the probability field influences and harnesses the supposedly random Brownian motion in such a way as to produce an arrangement of water molecules that most closely syncs with the QDS of the written sample. The water responds to the arrangement of energy-probability vectors by assuming the orientation on the molecular level which is its lowest energy state. In short, it is 'easier' for the water molecules to line up with the energy-

probability vector patterns than to line up opposing the energy-probability vectors.

The more energy hitting the water which carries that QDS data, the more rapidly the water picks it up. Shine a bright light on the written sample so it passes through the written sample and then into the water, and the effects are speeded. Water is the substance which does this most readily, more on getting other materials to do this below.

Basics of relative randomness

Think this sounds like impossibly esoteric stuff? The extent of the effects of even the 'known' energy forms is still being discovered. For example, recently, some researchers claimed to have found an example of analog audio data impressed on an ancient pottery shard (IMO, one part of the QDS). Since then, it has been claimed that it was an April Fool's joke. I leave the mention of it included in this article because I would contend that even if this recent Belgian claim was a hoax, the theory is still sound. If one could get the correct scan speed, filtering and sensors, one could theoretically play the ridges on a piece of pottery and get some information. Why would acoustic waves in the air NOT produce very fine ridges in soft clay being spun on a potter's wheel? Even if you couldn't get it to play audio data, one would (if willing to reason) agree that there would at least be ridge patterns directly related to the vibrations induced while the pot was made, and that the conditions of the pot's manufacture would have an effect on the vibrations induced during the pot's being made. For example, an electrically spun potter's wheel run indoors would probably make different patterns in the clay than a manually-powered wheel being used outdoors.

The controversy on this subject goes on and it is largely dismissed (the Belgian attempt). However, the idea has supposedly been around since the 60s. Below is a quote from one blogger who commented on the issue:
http://tenser.typepad.com/tenser_said_the_tensor/2006/02/pottery_recordi.html
(quote from 'Tensor' at above link, visit the link for more)

"So, you're thinking, it's nothing but science fiction, right? Slow down. Below, I've transcribed the text of a letter published in the Proceedings of the IEEE (August 1969, pp. 1465-6) that I saw mentioned a couple of times when I was googling around researching this post:

Acoustic Recordings from Antiquity

Abstract—Pioneering experiments establishing the principles of recalling ancient sounds from antiquity are reported.

Widespread research on recalling from the past actual sounds, voices, music, etc., adventitiously recorded by ancient peoples (or events) upon the "surface" or within the substance of a wide variety of objects and artifacts crafted (or evolved) from "plastic" media warrants intensified efforts at the present time, because of recent developments in electronic signal analysis which can ferret out "signals" buried in "noise".

This letter is primarily intended to call attention to the potentials of Acoustic Archaeology and to record the early experiments which established the principle.

Two areas of the author's investigation, which began in 1961, will be of interest: 1) the recording of sound on wheel-thrown clay pots, and 2) the recording of sound in paint strokes applied to canvas.

The sound-reproducing system used consisted of a crystal cartridge (Asiatic Corp., Model 2) such as is used in phono pickups. The cartridge was connected directly to a set of inexpensive earphones (Trimm "Acme." 2000 ohms). The chuck of cartridge could be fitted with "needles" of any suitable material, length, shape, etc. In all instances the cartridge was held in the fingers and could be positioned against a revolving pot mounted on a phono turntable (adjustable speed) or "stroked" along a paint stroke, etc.

Sound Recorded on Pottery
First Example
This consisted of a pot of fine clay, hand thrown on a potter's wheel. The wheel in this example was an old, student-made wheel, constructed of an automobile crankshaft and flywheel mounted in a (too) light wooden frame. Persistently out of alignment, the wheel had a noisy vibration almost amounting to a chatter. The pot produced on this wheel was fired at low temperatures.

When the pot was suitably mounted on the phono turntable and against the side of the revolving pot was held the phono cartridge (fitted, in this instance, with a "needle"

consisting of a flat-ended sliver of wood three-quarters of an inch long) the low-frequency chatter could be heard in the earphones.
Second Example
This was similar to the first example except it was a commercial pot which had been hand thrown on a motor-driven potter's wheel. The 60 Hz motor was mounted directly on the frame supporting the wheel to which it imparted a loud hum. Using the phono cartridge as above with a similar needle, areas could be found on the surface of the revolving pot where the hum could be picked up.

In both examples, it should be noted, the last act of the potter, prior to removing the pot from the wheel, was to "smooth" the surface of the pot using the "sharp" edge of a thin rib of wood.

Sound Recorded in Paint Strokes
This is of particular interest as it introduces the possibility of actually recalling and hearing the voices and words of eminent personages as recorded in the paint of their portraits or of famous artists in their pictures.

First Example
A canvas affixed to a small, square wooden frame was so stationed as to be able to vibrate freely. This it would do when "spoken to" or where subjected to music from a nearby phonograph—as determined by touching it to the "needle" (wooded sliver) of the crystal cartridge and listening in the earphones.

With an artist's brush, paint strokes were applied to the surface of the canvas using "oil" paints involving a variety of plasticities, thicknesses, layers, etc., while martial music was played on the nearby phonograph. Visual examination at low magnification showed that certain strokes had the expected transverse striated appearance. When such strokes, after drying, were gently stroked by the "needle" (small, wooden, spade-like) of the crystal cartridge, at as close to the original stroke speed as possible, short snatches of the original music could be identified.

Second Example
This is to record the finding of a spoken word in an oil portrait. The word was "blue" and was located in a blue paint stroke—as if the artist was talking to himself or to the subject. Parenthetically, the search was long and

tedious. The principle, however, was established.

Many situations leading to the possibility of adventitious acoustic recording in past times have been given consideration. These, for example, might consist of scratches, markings, engravings, grooves, chasings, smears, etc., on or in "plastic" materials encompassing metal, wax, wood, bone, mud, paints, crystal, and many others. Artifacts could include objects of personal adornment, sword blades, arrow shafts, pots, engraving plates, paintings, and various items of calligraphic interest.
It is believed that this is the first public disclosure in this interesting field.

Richard G. Woodbridge, III
Box 111
Princeton Junction, N. J. 08550

I don't know what to think about this. It could be engineer humor, though it wasn't published in the April issue. "
http://tenser.typepad.com/tenser_said_the_ten sor/2006/02/pottery_recordi.html
(end quote from 'Tensor' at above link, visit the link for more – ed.)

The basic idea is to estimate the speed at which the pot would have been spun on the potters wheel, and scan a laser across it a that speed, analyzing the reflected light patterns on a computer. Another technique is to drag a light mechanical stylus like a bit of straw or a wooden sliver across it at about the speed used to spin the pot. They said the surface of the pottery was audio modulated by ambient sounds, using the potters hand as the stylus. The same thing has been postulated about paint strokes. Regardless of the veracity of the Belgian claim, the concept illustrates how an orderly pattern can be created and held within a pocket of 'relative randomness'.

For the purposes of its use as a pot, the microscopic surface texture ridges on the pottery are so small as to appear smooth, and therefore we consider them to be only random fluctuations because they are below the 'zoom' level we are looking at. But if we 'zoom' in and actually look at them they are not truly random. They in fact carry data.
Data = Organization.

All randomness is relative, in that it is only random within parameters. Let us imagine we have a 1 foot square box full of ping pong balls. Each ping pong

ball has a mark somewhere on its surface. So we fill up the box with the ping pong balls and shake it well. The balls should be arranged randomly, right? The marks should point in all different random directions, Right?

Right, but only from one 'zoom' level of perception. They are only 'so' random. The placement of balls is not truly random. They are only random within parameters. What parameters? Dump the box on the floor.

Are they randomly placed now? Nope, they will still, by their order, show you where they hit the floor and from what angle, and how hard. But they are a lot more randomly placed than when they were in the box. Of course, they are still in the larger box formed by the room in which the floor exists. Then in the box formed by the building, etc on up the scale.

Getting a random interference sample is like filling a box with ping pong balls, so that we have a box of randomness, which we can work with in an orderly fashion. Write the word love on the side of it and shake it again. The balls will assume a pattern that most easily syncs with the QDS we introduced through our archetypical sample – more or less.

In order to get a really good sample, we want lots and lots of 'ping pong balls', and we want them to fit into a conveniently small package. We also need a method of reading the memory, other than carefully touching the side of the box so as to not disturb it.

Maybe we could mix a bunch of glue into the pig pong balls before we shake it, and then let the glue set. Now, our sample will stay the same (relatively) and we can pick it up and carry it around without destroying the data.

This same concept applies to the arrangement of atoms and / or molecules in physical matter, as it does to larger material bodies.

All we need to do is get a sufficient quantity of a material which is finely divided, composed of many small parts, and subject it to the energy signature that we want to capture while changing it in some way.

This type of sampling essentially uses the probability influencing of the QDS to create a glyphic sample, using the ping pong balls / molecules / crystals / atoms in a material sample.

Though it may be incomprehensibly complex, the possible alignment combinations of water molecules in a bucket of water is finite. It is a very high number, but not as high as the possible alignment of all water molecules in a swimming pool, for example.

And because of the laws of conservation of energy / a system wanting to 'right itself'… the alignment that the water molecules assume when disturbed will be that which is 'easiest' for them to maintain, and that will be defined by the ambient energy conditions which the water experiences (and those ambient conditions in turn are , I contend, influenced by the QDS).

Water is a passive write material in that it does not generally require a large amount of energy other than the QDS to pick up a sample. It will (metaphorically) take a 'photograph' in very low 'lighting conditions', but the 'photographs' fade rapidly unless the water is insulated in some way from outside influences.

This same tendency of water to easily pick up a QDS means that it is also easily corrupted over time. Water samples should be stored in glass, since the glass allows the QDS to pass through but insulates the water somewhat from outside energies. I can best describe the dynamics of shielding the water QDS data with glass as being similar to the trick of boiling water in a paper cup. Water samples should be stored in a cool dark quiet place or a secure box with thick walls.

Virtually any material will act as a passive write QDS recording media, but only a few materials like water have a broad response range in that will adapt easily to almost any QDS. For recording long, complex, abstract sequences of thought, a good method is to use water as the primary recording media, and then transfer the final sample from the water to a more permanent media to be used in a read only mode when broadcasting.

Metamorphic QDS sampling

Metamorphic sampling is one of the methods which I use most, and have spent considerable time developing. Metamorphic sampling has the advantages of adapting easily to nearly any QDS, being non-rewritable and thus much less prone to degrading over time, and allowing one to impress a QDS on a material compound that would not ordinarily be compatible with the QDS in a passive write mode. It allows you to permanently impress a

'blue' QDS on a 'red' material, metaphorically speaking.

The basic concept in metamorphic sampling is similar to the known and conventional method of determining the condition of the earth's magnetic field in the past by examining the molecular structure of rocks, so a brief description follows.
The earth's magnetic field exerts a subtle influence on the internal (supposedly random) structure of some types of rock, while the rock is forming or solidifying. Once the rock has formed and solidified, the internal structure remains much as it was, though the earth's magnetic field changes in the intervening years. The rocks can tell scientists about the condition of the earth's magnetic field when the rocks formed because the imprint which the earth's magnetic field left on the rock remains in the rock, though the field is now different than when the rocks formed. The rocks have in this case acted as metamorphic recording media for data concerning the earth's magnetic field. At one point in their history, the rocks were susceptible to the earth's magnetic field. Then, they went through a metamorphosis – they changed fundamentally and irreversibly into a different kind of rock, one which is not as susceptible to the earth's magnetic field. So, the impression that the earth's magnetic field left on the rocks was 'frozen' in time, and here for us to look at today.

In this document, we are dealing with Quantum Data Structures and probability fields, but the mechanics is similar.

Metamorphic QDS sampling through reduction

Imagine that you have a glass, and you smash it with a hammer, and then grind it down with a mortar and pestle into powder. What is the QDS of the glass now, and how does it differ from the QDS of the glass before it was reduced to powder? It differs in that where there was one glass, now there are many glasses. Where the original glass had a distinctive shape, the shape of the glass fragments is 'random'.

But if we look at the fragments, we will see two types of order, at least- one which is easy to see in conventional scientific fashion with appropriate equipment I am sure, and it is an order which tells us about the material characteristics of the glass itself. The particles will not be truly random in size; they will have a general shape which is determined by the physical properties of the glass specimen. They will tend to be sharp edged elongated splinters, elliptical chips, or broken fragments

thereof. They will all be unique variations on those themes, but they will for the most part fit that description. So they are not fully random.

The second and more esoteric order which emerges is that the QDS of the ambient surroundings when the glass was crushed will be reflected subtly in the supposedly random variant contours of the glass fragments, since the QDS acts as a probability field which influences the minute chance events occurring when the glass is fractured, forming tinier patterns on the edges of the already tiny splinters, influencing the exact surface contours of the chips … in the manner that relieves the most 'probability stress' and makes it 'easiest' for the glass to sync with the ambient energy field conditions in it's new form.

The third and more subtle QDS will be data concerning the history of the glass before it was crushed, unless the glass was annealed prior to crushing, and this QDS will be 'quieter' that the QDS of the conditions when the glass was broken. In all of reality, there is only one collection of glass fragments that exactly matches this one, and there is only one set of ambient conditions which occurred when this exact individual glass was reduced to powder. Even allowing for alternate worlds, there is still only one instance of this glass and these ambient conditions in all of reality, and so the closest QDS link from the glass will be to the rest of the fragments from the same batch, and then the ambient conditions the glass experienced when it was crushed.

If we divide the collection of glass fragments in half and separate them geographically, the QDS they share will allow us to use them like a QDS 'walkie talkie'. This is the basic concept employed in many 'remote link' modules sold for radionics devices. The glass in such a case may instead be a quartz specimen and it may be a few large pieces instead of a crushed powder, but the concept is the same.

If you play an acoustic sound while reducing the glass to powder, you capture the QDS sample of the sound in the glass. If you focus your thoughts and emotions into a specific state while working the mortar and pestle, the QDS of you, the archetypes of the thoughts you are thinking, etc are captured on the glass. This is a good method of capturing long sequences of abstract thought in non-verbal form, as using a mortar and pestle is suitable repetitive to be conducive to meditation.

Since the write media is the fracture lines in the glass, the sample is a permanent one, though each chip is a small piece of solid glass. Solid glass is normally a slowly-rewritable QDS media, but the fracture lines constantly write to the glass, each time it is stimulated by outside energy the energy will carry the QDS held in the glass fracture lines, and update the QDS of the solid glass fragments with the QDS stored in the fracture lines. This applies especially with small or very small fragments.

Even if instead of breaking the glass, we just sand the outside of it under appropriate conditions (running apparatus generating sample to be copied, contact with sample to be copied, or focused mental state), the same or similar results will be derived, and the glass will (after a few minutes) write the stored QDS to any water put into it.

If instead of abrading the entire outer surface, we just make a tiny scratch on the bottom of the glass, we will still sample the QDS of the conditions the glass experienced while being scratched, but not always with enough efficiency to be useful. Also, though the bottom – center is a better place to put our tiny scratch for maximum effect, it is also likely to be scratched over by normal wear on the base of the glass, and then it's gone.

Reducing a material to powder in the presence of the QDS to be copied is often the most effective reduction-sampling method, as it affords ample randomness in proportion to material volume, and allows one to mix some of the programmed glass into another material or contain it in a vessel for convenient use.

This method may be applied to nearly any suitable material, but quartz and glass are excellent choices (aside from the OBVIOUS safety concerns of working with powdered glass). Possible adaptations of this method include sanding, hammer finishing of metal surfaces, distressing of sheet materials, crumpling of sheet materials, chemical reduction, precipitation or deposition processes, etc.

Metamorphic Sampling through Annealing
Let us borrow another example from known physics and look at the (relatively unused / unknown in North America and Europe but apparently popular in Japan) minidisk audio disk format. This is not a business card CD, though it is similar in size and general appearance. A business card CD, like a regular CD, is optical write / optical read media.

A Minidisk is magneto-optical write / optical read media. When the disk is written, a laser is used to heat the metal of the minidisk magneto-optical disk up to the Curie temperature, and then a magnetic field is applied via a magnetic recording head. When the disk is later played, no magnetic read head exists in the player, but the magnetic data on the metallic layer causes a change to the way that light is reflected from the surface of the metal, and the data is gotten off the disk by looking for these characteristic changes to the reflected light (polarity changes I think, but don't quote me on that).

Ordinarily, the metal would not be magnetically responsive enough to be written to by the magnetic recording head in the magneto-optical disk recorder. But when the metal is heated sufficiently by the laser, it changes into a state where it is magnetically responsive enough to be written magnetically, and then allowed to cool so that it will no longer be as susceptible to external magnetic fields, making the sample permanent (in a perfect world). You do not even need another magnetic head to read it; you only need to look at how the magnetic field changes the optical (or other) characteristics of the disk.

What is of importance here for QDS sampling is the fact that when a material goes through a metamorphosis, it changes in terms of what its characteristics are, and that this is an excellent opportunity to impress QDS data on it.

When a material is annealed, either by heating it either to the melting point, or to just below the melting point, or by working it (if it is a flexible material), the QDS data in the material, (all but the raw data describing the material itself) is more or less 'wiped'.

If the material is cold-annealed, then the previous QDS data describing the ambient conditions when the metal was formed and the metals experiences up to this point is erased by blurring it out, as if it were written in a shallow layer of sand and we shook the table and smoothed out all the sand. The previous data is still there but is removed by one order of random variance magnitude, made into a much 'quieter' signal.

If this cold-annealing is done repeatedly, the previous data is pretty much lost but technically still exists. Cold-annealing is useful for both 'clearing' wire and other materials before use in construction of coils, circuits, etc… and for taking

small QDS samples of abstract thoughts, audio waves or emf waves.

It is also useful for 'layering' more than one QDS sample onto the same recording media, when it is not convenient produce samples of all the desired entities at the same time or in the same sample format.
Although many complex machines could be built to cold-roll a suitable metal in contact with a QDS sample (or modified to do so) the simplest method is to simply choose a clean, new piece of wire and find a small cup hook in a wall or other vertical surface. Loop the center of the wire over the hook and hold one end of the wire in either hand. Run the wire back and forth over the cup hook a few times along the whole wire length (a few feet) to smooth it out. Then, in the presence of the energy field to be sampled, sharply run a few inches of the wire across the hook with a little tug. Snip out the portion (a few inches is enough) that you just wrote. Keep your mind carefully blank while making the 2 cuts.

The resultant short wire may be placed (appropriately and carefully so as to neither damage the electronics or overheat / repeatedly flex and 'erase' the wire) in contact with conventional electronic / radionic circuits in such a way as to transfer some of the QDS from the wire into the electronics for experimentation. It may also be used as a sample for a radionic machine witness plate or well. It may also be attached to glass in order to program water. The technique may also be adapted to 'program' a coil which will later be used for producing magnetic or scalar fields.

Hot annealing is a more permanent method in that the previous QDS data is more fully erased. If the cold annealing process results in blurring of QDS data (in favor of new data being over-written), then the hot annealing process actually erases the background QDS data and leaves only the raw material data describing the sampling media itself. For example, if the data was chiefly stored in a pattern of metal crystal alignments and microscopic cracks in the metal, then we can realign the molecules by cold rolling and make new cracks holding our new data. But the old cracks still exist, and the 'start point of new molecular alignment will be based on the old QDS held by the metal.

If we melt the metal, we not only realign the metal atoms and given them a new 'start point' for their molecular alignments, but we also melt and reform the metal crystals so that the only data stored in the

cracks between metal crystals will be the 'new' data. Additionally, we make the material temporarily responsive to outside energy fields in a different way than it is when it is solid. Ideally, we would use those energy forms to which the metal is temporarily responsive to write the data.

The material need not be melted, it need only be heated enough to soften and normalize it, then allowed to cool, in the presence of the focused though, sound, EM wave, light wave, picture, scalar field, or other sample to be copied. Recently Phil Ledoux circulated a paper describing how another researcher was heating up a marble with a small torch and playing a solfeggio frequency while it cured. This is an excellent correlation to and example of the dynamics discussed here.

Metamorphic Sampling though chemical process
This is a vast heading with many more applications than will be discussed here; this paper is long enough already. I will mention but two examples here: plastic resin setting and salt crystal growth.
While some materials are such that they can be melted down and resolidified many times (like metal, or some plastics, or water), other materials go through metamorphic processes that are truly irreversible in that once solidified, they cannot be melted down again. Using chemical processes allows us to work with these types of materials, like the various plastic casting resins used to make orgone matrix material. While the addition of metallic elements to the plastic resin does a whole lot of interesting things which are discussed elsewhere, the plastic alone is sufficient to store a QDS concerning the events it experienced while solidifying. In polyester resin, for example, we have a material which first forms small molecules, and then the small molecules form long string shaped molecules, and then the strings curl up and tangle together. The QDS data is stored both on the molecular alignments and on the microscopic cracks that form when the material heats, shrinks, and cools. Adding many small particles of metal produces yet more possible alignments of random bits for the QDS to impress itself on. Once the plastic has cured, you cannot melt it down, it does not melt, and it catches fire. If you burn it, you erase the data. If you dissolve it with acid, you erase the data and / or put the data into the acid. There are other plastics which smell less than polyester, and they will all work to store QDS samples.

Another method is to set up a chemical process which grows crystals and grow them in the presence of the QDS to be copied. A simple method of doing this is to grow salt or sugar crystals in the presence of the QDS sample. The QDS data will be in the xtal and in the arrangement of many small xtals on the growing surface. If you want to keep the xtals on the growing surface, keep them small and densely packed, when they are grown seal them with a plastic seal coat. Otherwise, let them grow as large as they will grow and take care not to fracture them excessively. Dissolve it in water and the QDS goes into the water.

Methods of reading and broadcasting QDS signals.

Read by contact
Recall the magneto-optical disk and how it reads data off the disk. The changes to reflected light produced by the magnetic component of the disk are subtle changes compared to the way a normal CD player reads a disk, which is why a normal CD player cannot play a magneto-optical disk. Likewise, a normal LP vinyl disk record player will not play back the sounds of ancient Babylon from a pottery shard.

But, due to the effects of contact sampling, a person who has developed 'savant' abilities can gain accurate impressions of the surrounding when both the pottery shard and the LP record were created, by reading the QDS data. Person who do not have developed 'savant' abilities demonstrate biophysical / psychological responses to QDS data reminiscent of hypnotic suggestion or intuitive perception in some cases and reminiscent of conventional exposure to the material source of the recorded QDS data in others, depending on the QDS structure to which the persons are exposed. This technique may be also used to treat water in pipes if the sample is placed in contact with the exterior of the pipes. Rooms and outdoor areas with QDS encoded paint or paving may be used for contact reading of QDS samples. Drinking and eating vessels similarly treated may be used for contact sampling, or the sample may be used by simply having the person hold it between their hands. If the sample is polarized, then the pos. / output end should go in the left palm and the neg. / input end in the right palm.

Read by throughput
Read by throughput is also a very common method of broadcasting QDS signals. It places a QDS sample in contact with virtually any conventional energy broadcast setup and the QDS is transferred to varying degree on the energy broadcast. Let us

assume that we have the latest orgone matrix material – based QDS sample, which would be something like a small disk or ring shaped casting of EXD orgone matrix material programmed as above. We can shine a light through the hole in the center, if it is a ring.

We can place it on a speaker, and play sound though the speaker to stimulate it. We can place it in contact with or in close proximity to an electrical conductor. These are all methods of getting the QDS into a circuit which is 'broadcasting' something.

If we transfer the sample to an electromagnetic format, then we can broadcast it in a variety of ways using off the shelf audio, video, and other components. These practices are more common in the early 21st century than commonly acknowledged, and therefore I feel comfortable writing about them in the interest of equalizing the playing field between multinational corporate and governmental QDS broadcasts for marketing, political or other purposes and the average person.
While the necessary setup can certainly be enhanced by scalar, orgone, and other technologies dealing with advanced physics, the setup can be functionally simple as a modified audio or video signal, or a specially treated paint applied to an area, or a sample placed strategically in an area near a light, speaker, fan, or other similar energy-circulating device.

It is advantageous to convert the sample into an electromagnetic format since this allows the embedding of it in signals sent to video, audio, radio, or scalar wave, radionic and psionic devices.
Depending on the nature of the QDS to be broadcast, it is often necessary to make an initial, non-permanent sample and then convert this sample to a permanent (non-rewritable) sample. The type of sampling method is often determined by the nature of the sample. For the QDS of a simple sound or frequency or video image, the sound or video image may be directed towards the media while any metamorphic sampling method is used.
But if the QDS is of a long, abstract series of thoughts, then it may to be convenient to first use one of the other methods, and then convert it into an electronic or audio format.

Assuming that convention subliminal encoding methods are not used, the QDS of a complex thought may be partially captured by focusing the thoughts clearly while recording nearly any electronic file or tape.

Mixing it into either white noise or silence increases the amount of the QDS captured.

The subject may or may not be in contact with a suitably placed conductor in the circuit.

A simple setup would be to have the subject touch one of the microphone leads (taking care not to damage the recording apparatus) and focus their thoughts while recording the results. Ideally, this signal should be mixed into something like white noise to give it something to interfere with.

A slightly better setup would be to have the L and R channels of a stereo audio line connected to 2 mobius coils. Have the subject hold both coils, one in each hand or place one coil over each temple. Route low volume white noise through the coils while the subject focuses their thoughts, and send the result to the line in of the audio recorder.

This process may omit the mobius coils, in favor of simpler spiral coils. Mobius coils should not be worn over the temples for prolonged periods, nor powered at more than line levels when used in such a fashion.

The resultant white noise signal will carry the QDS signal. In place of white noise, we can use silence, either a blank carrier signal may be routed through the pickups or each pickup may terminate across suitable resistance. Care should be taken to minimize the 60 hum when recording in this method.

An even better method is to use pump wave pairs (2 signals canceling to produce "loud silence") as the signal routed through the coils. The resultant signal may be mixed into any suitable broadcast system and the QDS will be carried on the audio signal in efficient fashion. In place of a person holding the pickups, the pickups may be placed on either side of a sample of any of the types described above.
This concept may be adapted to recording in optical and magnetic media as well as electronic media.
Radionics devices, psionics devices, orgone accumulators, and other related technologies may be used to improve the efficiency of the basic concepts described here, but that is the subject of another article.

© *Jon Logan Feb 2007*

Low Frequency Function Generator

By Pieter Fourie **TOC**
http://www.saao.ac.za/~pah/vlf/vlf.html

Due to the unavailability of very low frequency function generators and the problems experiencing with them to generate a wave form starting with a particular trigger input has prompted me to design this function generator.

The system consists of a personal computer and the printer port is used.

Advantages:

- Cheap
- Versatile
- Easy to implement
- Very low frequencies possible
- No large expenses for an instrument which will only be used infrequently.

The system consists of a personal computer, printer port interface and a 10 bit Digital to Analog convertor.

The software was written on the fly and runs under DOS. The printer port interface is not necessary but it makes the system more versatile. The 10 Bit Digital to Analog convertor has two outputs. The one output is a direct output which provides signals from +5V to -5V. The other output has a potentiometer in which allows the amplitude to be adjusted.

A trigger from the external device can be used to trigger the system to allow the wave forms to be synchronized.

To allow for step and transfer functions to be determined the generator can provide a square wave and a sine wave.

The square wave amplitudes can be adjusted from software and therefore the direct output is used when using square waves. To ensure that the sine wave has a very low distortion the adjustable output must be used and the level adjusted accordingly.

The trigger input is a TTL signal level and the system can trigger on the high or low transition.

Radionics depends in part on engineering and in part on user skill. That said, people have insisted on using it for decades, despite the consistent & combined effort of many scientists, doctors, corporations and politicians to the effect that it 'should not be used' and 'is rubbish'. If people were not getting useable results, the field simply would not exist.

- Editor

Worlds Within Worlds

http://www.rialian.com/rnboyd/

Circuit diagram of the 10 Bit DAC:

The pin numbers on the digital input side are for connection to the printer port interface. If the system will be assembled without the printer port interface then the pin numbers must change to be the same as those on the printer port.
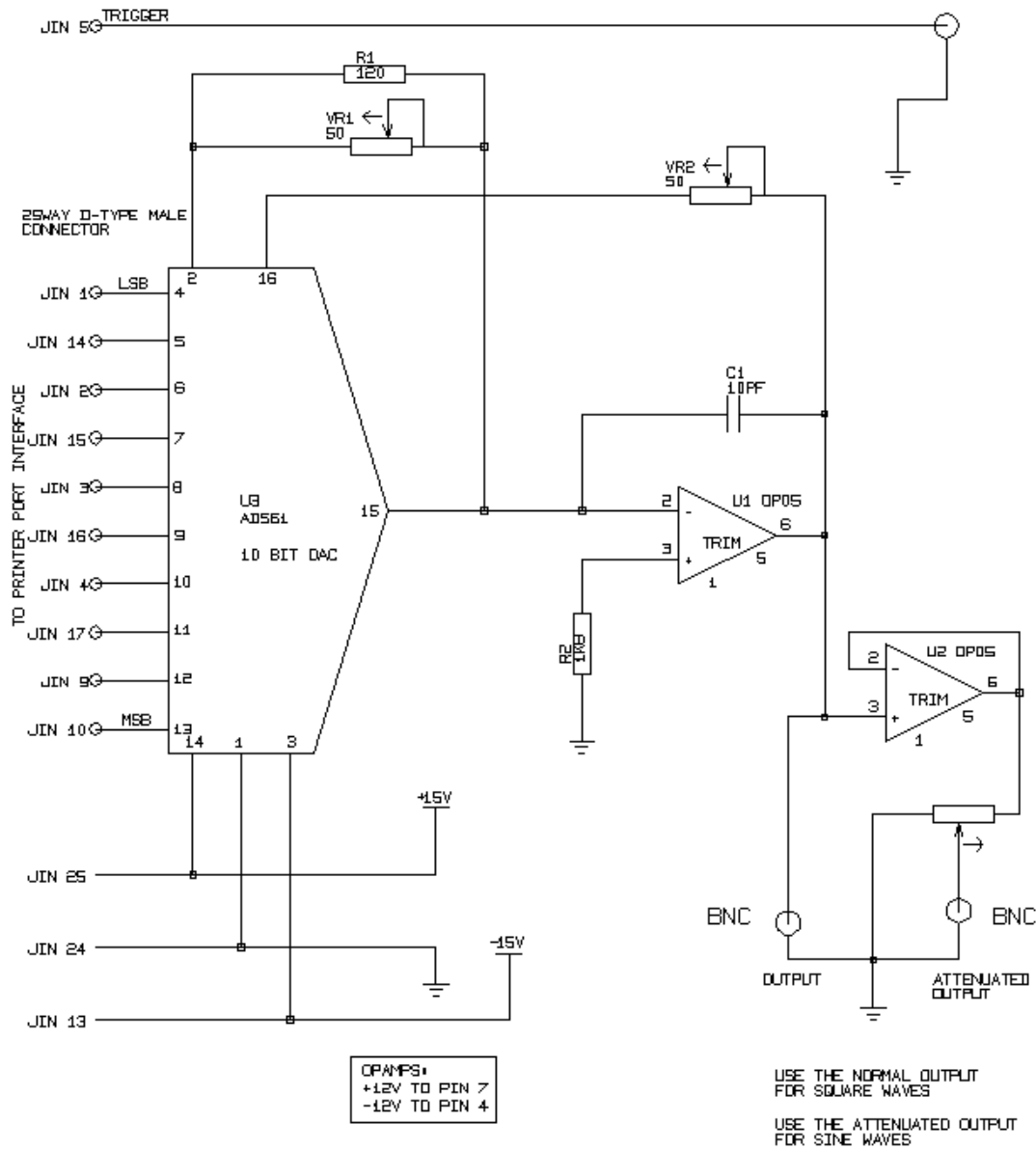
10 BIT DIGITAL TO ANALOG CONVERTOR

Printer port Interface:

The printer port interface was a student project at the observatory and have been used on several occasions to quickly interface something.

TITLE: PRINTER PORT ADAPTOR CIRCUIT DIAGRAM
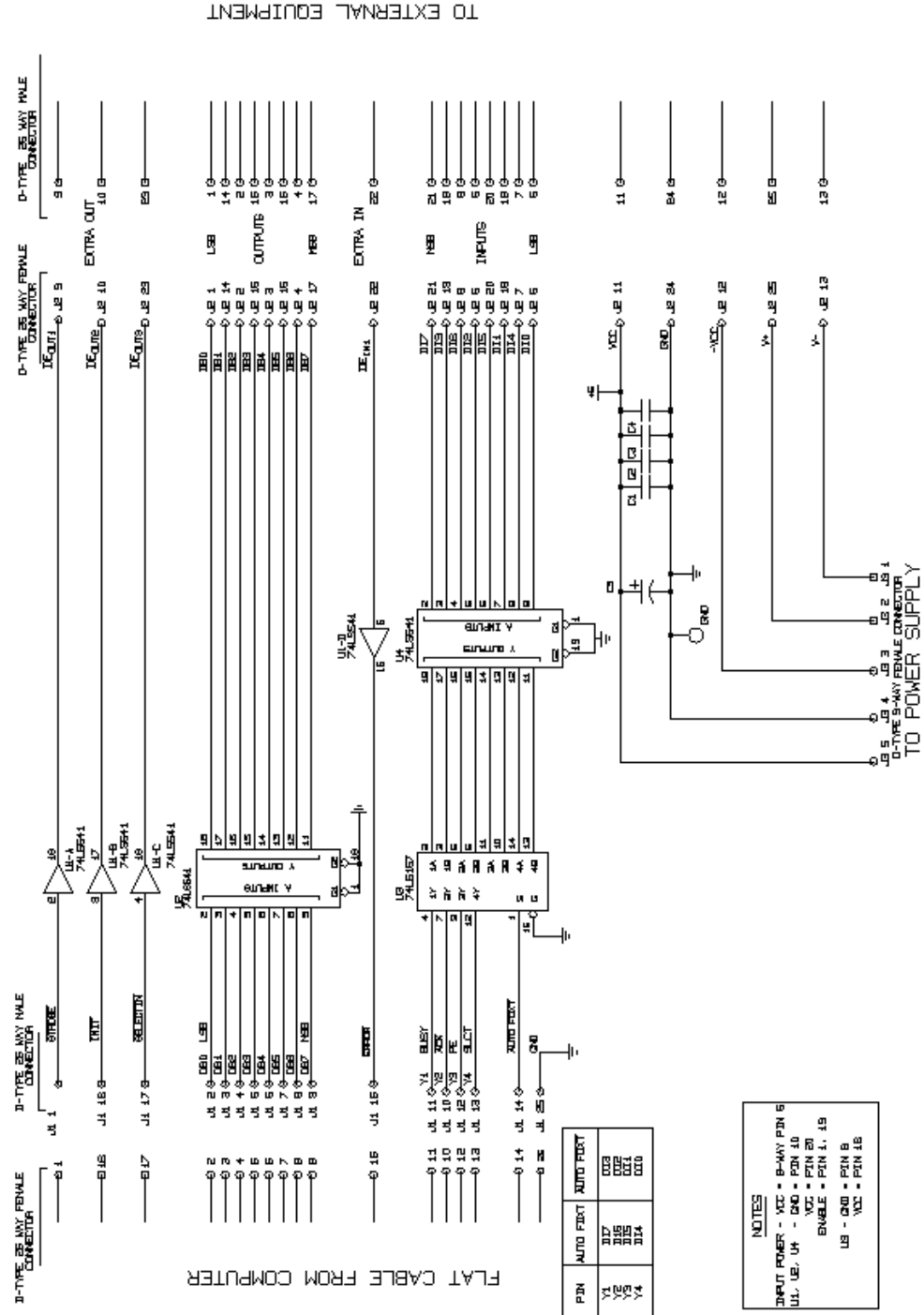
Trigger input:
The trigger input is a TTL level signal connected to bit 0 (lsb) of the printer port interface. Depending on the program running the system can trigger on a positive or negative edge signal.

Adjusting the convertor.
- Turn ON the MSB only, turn OFF all other bits.
- Adjust VR1 to give 0.00V output.
- Turn OFF all bits.
- Adjust VR2 to give a reading of -5.00V
- These adjustments are not critical.

Software:
Several pieces of code were written to implement the generator. The code is in C and Borland C++ compiler were used. No special routines and functions are used so the code should be transportable.

The timing of the system relies on a software routine and the values must be determined empirically for each computer. More about this when the different pieces of code are discussed.

Programs:
- fr_sin.cpp - This program generates a free running sine wave.
- fr_sqr.cpp - This program generates a free running square wave generator.
- mono.cpp - The generator will provide a single pulse of a set duration and voltage levels after a trigger pulse.
- fr_sin.exe - The executable file.
- fr_sqr.exe - The executable file.
- mono.exe - The executable file.
(If your viewer opens the file then simply 'save as')

Note – The links to the files hosted on this author's domain are included in this article, and clicking them should allow you to download the files. However, you must be connected to the internet in order to download the files, they are not embedded in this pdf or word document. - Editor

Program Operation:

FR_SIN.CPP & FR_SIN.EXE
The generator will output a sine wave starting at 0V. The period of the signal must be entered. The minimum period is 1 second. This will continue until a key is pressed. To ensure minimum distortion of the sine wave the full amplitude is used during the signal generation. The user can adjust the signal level using the adjustable output.

FR_SQR.CPP & FR_SQR.EXE
The generator will output a square wave according to the voltages requested. The user must enter the max. and min. voltages for the wave form and the period in seconds. This will continue until a key is pressed. When using square waves it is advisable to use the normal output since the level of the wave can be adjusted in the program.

MONO.CPP & MONO.EXE
The generator will output a single pulse starting at the trigger signal. The user must specify the min. and max. voltages for the wave form as well as the duration. The user also specify at which level the generator will trigger. When the program starts it will wait for the opposite level before triggering and then start on the requested level. E.g.. the user wants the pulse to appear when the trigger goes high. When the program starts the trigger level is also high, this will not cause a trigger to take place. The generator will wait until the trigger level is low and then set itself to trigger on the next high level. If the requested trigger is a high and the level is low when the program starts the system will trigger on the first high transition of the trigger input. The opposite for low level triggering is also true. This is to ensure that the user has sufficient time to connect and start the program. The programs at the moment are compiled to use LPT2 as the printer port. If another port is required the change the line towards the bottom of the code (PORT = LPT#) to the required port and recompile.

For more information or queries contact me
Pieter Fourie e-mail pah@saao.ac.za
web page http://maia.saao.ac.za/~pah
This article reprinted with permission from http://www.saao.ac.za/~pah/vlf/vlf.html

Orgone Matrix Material Shop

HHG Tips
(edited version of a consultation response)
by Jon Logan

I am a person with interests in the broader field of applied 'subtle energy' engineering. That said, HHGs are relatively simple devices and one does not need to be a tech-head in order to make them. About HHGs:

First off, while it does IMO coax a bit more performance from the units if you use double-terminated quartz crystals in the HHG, you do not NEED to use double-terminated quartz specimens. You can also use single terminated quartz points. You can also use tumbled quartz pieces. Depending on where you live and your financial circumstances, it may or may not be affordable/practical for you to use double-terminated crystals.

(DT = Double terminated; ST = Single Terminated) If you elect to use a combination of DT and ST crystals, then use the DT for the vertical xtal in the HHG, and the lower quality ST or tumbled pieces for the horizontal crystals. Use the nicest xtal in each group of 5 for the one that 'stands up' in the center of the HHG.

The HHGs can be made in any shape, though generally they are made in some variant of a cone or pyramid shape. Cones are an easy shape to work with and one which you can find suitable molds for with relative ease. Go get some cheap plastic funnels at your local home depot, Wal-Mart, builders supply store, etc. Cut the tip off the funnel and glue, tape or melt it closed to plug the hole. Tape is the best (quick) method of doing this, and I recommend using either a good quality masking tape or (better) aluminum auto body tape.

Grades
Normally MHD or HD is used for HHGs. This is because the matrix must be 'open' enough for the HHG to be reasonably active in a passive mode. With the higher densities, the matrix needs be stimulated in some way in order to process any significant quantity of energy.

Metals
Copper is an excellent choice of metal for the HHGs. Any metal will work, but copper has a bit broader response range than aluminum. Aluminum is probably the single most commonly-used metal for making HHGS, and it works fine despite assertions by some that it is unsuitable. The energy signature of aluminum is not as 'good for you' as that of copper, or steel (see Edgar Cayce regarding suitability of carbon steel for human energy field). But for HHG or TBs made to be 'gifted' in the open, it works fine. For HHGs which you intend to use indoors or which will be handled a lot, then copper is a better choice (IFF it is to be had).

MHD Enhancements

Metals
One thing you can do to enhance the action of the material is to use more than one type of metal. Use 2 different types of metal such as one could construct a battery from, ie. one ferromagnetic, the other diamagnetic… one with a higher conductivity than the other. So for example, you could mix a little bit of steel, iron, pyrite, chalcopyrite or nickel into the copper. An economical source of steel is to get some fine or ultra fine steel wool and cut it up into short pieces about ¼" long with a pair of scissors. While this is time-consuming, it is economical.

Another source of steel is to go around to local machine shops and ask for steel shavings or filings. Often they will give you this for free if you tell them it is for a craft project. Steel and copper go well together. Brass is also often available as shavings from key cutting machines – go ask them at your local hardware store for the shavings and often you can get them for free.

An example of a an MHD metal mixture for general-purpose use would be:
Copper (or aluminum) 75 to 90%
Steel - 22.5 to 9.5%
Brass – 0.5 to 2.5%
(proportions approximate)

It is OK if the brass and steel particles are much smaller than the copper, and you need only mix in a small amount of the other metals to get the effect. Alternately, if you had lots of steel and only a little copper you could mix a little of the copper into the steel.

Another cheap trick is to add a single, reasonably large gold-plated bead to each HHG. It does not need to be a high quality gold plating. Gold has an excellent energy signature for HHGs and so does silver. If you are using a 'tiny' piece of a precious metal, you can get away with using only a single small piece if it is placed in either the tip of the cone or the center of the base of the cone. If you want to be more finicky then you can carefully tape a small piece of gold or silver to the side of the vertical xtal in the HHG. Point being, you can use a small piece of precious metal to influence the whole energy signature of the HHG if it is placed in a focal point of energy within the cone. The tip, center crystal, and center of base are all focal points of energy within the cone.

Minerals

In addition to the metals, you can add any of the following minerals in small amounts, they are all IMO safe for general purpose use:

Amethyst
Turquoise
Rose Quartz
Citrine
Selenite
Kyanite
Tourmaline

Hematite and lapis lazuli are also great but may too strong for some folks, some people react badly to hematite and some people get over stimulated by lapis lazuli.

That said, I often work with a combination of turquoise, lapis lazuli and hematite in my HHGs and TBs.

Organic Material

Before you ask, the word 'organic' means 'made mostly out of carbon atoms'. It does NOT mean 'formerly living tissue', 'of natural origin', 'non-toxic', 'environmentally friendly' or anything else similar.

The most commonly used organic resin is polyester resin with MEKP catalyst, used normally for fiberglass work. It is nasty to work with but works just fine for making orgone matrix material. Do not go and ask for polyester resin at the hardware store they won't know what you mean; ask for fiberglass resin and they will know what you mean. Polyester resin often cracks while curing and for HHGs the small cracks do not affect the performance of the device much, unless they cause the casting to fall apart.

Another plastic resin you can use is epoxy. Epoxy is also nasty to work with but works just as well for making HHGs. While epoxy is not as prone to cracking as polyester, it also does not shrink away form the sides of the mold when it cures. Sometimes shrinking away form the mold makes it easier to remove the finished casting.

Acrylic casting plastic also works well and is generally a bit more expensive than polyester of epoxy. It is not prone to cracking but tends to trap small air bubbles. It does not shrink away form the side of the mold when it cures. It has a slightly nicer feel than polyester but IMO not nice enough to warrant the often 3x price.

Hardened pitch from trees is a natural resin that you can use. While not as durable and possessed of tendency to soften and sag when left in the hot sun, it is a natural material and has a nice feel to it.

Beeswax can also be used but again is neither as efficient as pitch nor even as durable as pitch.

Plastic resin are generally used because they are easily available, durable and economical compared to most of the other alternatives.

You can mix a small amount of powdered herbs into the resin for a semi-homeopathic effect. I leave it to you to decide what herbs are best used, and suggest that you spend some time reading up on it. As a simple suggestion, I might recommend sage, as it has energetic properties that work well in an HHG, is more or less safe for general use, and is easily accessible inmost supermarkets. You only need to use a tiny amount of the sage in the resin, say 0.5 to 1.5 teaspoons of powdered sage per a gallon resin.

I also sell a premix powder blend suitable for using in HHGs (by adding small amounts) or in making EXD (used with just the powder and resin).

You could add a pinch of finely powdered iron oxide (rust form steel or iron, or red earth if you can find red earth where you live) to the resin.

Coils

You do not need to put a mobius coil in an HHG. You can do so, put TBH the flat spiral coils are more suited to use in HHGs than a mobius coil. Adding a mobius coil changes the HHG into a small broadcast device. You then have to pa attention to what is running through that coil.

If you want to make something with a mobius coil in it, then cast a small disk or slab of HD or XHD and put a coil in that.

Programming

An optional step but well worth the effort. You do not need a mobius-coil-driven generator to program resin, though of course you could build a small one to use for this purpose. An easier option to get started would be to just use a PC sound card and some audio speakers. Put the speakers close to the resin and play the solfeggio frequencies while the resin cures. Or, you can download the file in the audio files section of my new site:

(use the word member for the logon and use the word isubscribed for the password), follow the links to the audio files section and download the phi resonance tones file. Link: *www.wizzersworkshop.com/* (click on the members link to access members area) If you don't want to download the file then use NCH toner and play 741 and 528 Hz.

Magnets
You can use magnets in an HHG, but it is not necessary and some care needs to be taken to fit the magnets in correctly. I would suggest you omit the magnets in your first several batches and add them only if you are not getting the results you are looking for. When a magnet is added to an HHG, you have to pay attention to which polarity of the magnet is where, and deploy the HHG accordingly. Magnets are suited for disk shaped HHG and the disks should be used by holding the N pole of the magnet against the skin.

Recap
Since you intend to sell them, I assume you plan to make a few of them. Therefore, I would suggest that you keep the first batch simple. Here is a quick overview of what I would recommend:

Metals:
Mostly copper
Little bit of steel
Tiny bit of brass (optional)

Organic Resin:
Polyester or Acrylic
Herbs / Powders: (optional)
Pinch of Sage
Pinch of Iron Oxide

Quartz Crystals:
ST or DT
try to pick a nice one for the central, vertical xtal (point up if ST, points In on base if ST)

Minerals (optional):
Turquoise
Gold or Silver
Rose Quartz
Amethyst
Tourmaline
(one or all of above)

Casting:
Try to leave a layer about 1/8" to ½" thick on the bottom of the cone (or pyramid, disk / other shape) that is just resin, no metal.

Sanding / Finishing:
Not needed, but it's a good idea to grind or sand off the sharp edges sometimes left by casting. It does not hurt them to paint them if desired. If using a metallic paint, leave the bottom of the cone and a small area at the tip of the cone unpainted.

Use:
For outdoor use, place in a body of water, in contact with a grounded structural building member, or bury under a few inches of soil.

For indoor use, move the item semi-regulary (every fee months at least). Also, you should either run cold water over the HHG for a few minutes or place it outdoors in contact with the ground - at least twice a year.

Programming:
Do this while the resin is actively curing, use a tone generator, your favorite 'healthy' music, radionics software, or focused visualizations / chanting/ toning / etc.
© Jon Logan 2007

Courtesy Keelynet TOC

12/27/06 - The Wave Bubble: A Pocket Sized FM Jammer
The Wave Bubble touts itself as being a "self-tuning, wide-bandwidth" rig that doesn't require a spectrum analyzer, and can "jam many different frequency bands" all in a pocket-friendly enclosure. Powered by an internal Li-ion cell, this bad boy provides self-tuning via "dual PLL," and you can manually enter new frequencies to vex by simply plugging it into your PC's USB port and inputting the data when prompted. It can purportedly provide up to two hours of jamming on dual bands (such as "cellphones") or four hours on single bands such as "cordless phones, GPS, WiFi, Bluetooth, etc." Additionally, the output power ranges from 0.1-watts (high bands) to 0.3-watts (low bands), and the handy device sports an approximate range of about 20 feet with "well-tuned antennas." Of course, you aren't apt to find this for sale anywhere considering the fit the FCC
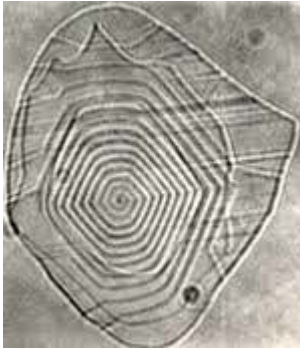
would undoubtedly throw, but if you consider yourself a master of the DIY craft, be sure to tag the read link for some in-depth pedagogy. (http://www.impactlab.com/modules.php?name=News&file=article&sid=10186)
Courtesy Keelynet

12/19/06 – 1936 Spiral organization found in Paraffin Crystals

Spiral organization, so common in plant and animal life and almost universal in nebulae, is a very rare phenomenon in inanimate molecular structures. Preserved in Princeton's museum is a carborundum crystal that has on it a spot the size of a pinhead, which when magnified shows a simple but perfect spiral. Also, in rare cases, the face of a quartz crystal properly etched will show a type of spiral. Spirals in abundance and of rare beauty have recently been discovered by Prof. C.M. Heck of North Carolina State College, and that, too, in common paraffin. Shown on the cover of this week's Science News Letter is one of these spiral crystals as it grew from a solution of paraffin in mineral oil. It is magnified 1,200 diameters and shows each convolution repeating with exactness the exterior outlines of the crystal, a significant element of the discovery. Professor Heck discovered these crystals while researching on the equilibrium conditions shown between solid and liquid compounds of the paraffin chemical series. His findings are proving of much interest to the refiners of oils and gasolines as they show paraffin crystals to be sensitive detectors of foreign materials when in these products. The crystals vary their shape and internal structure markedly. For example, these spirals are found to double and become twin spirals in certain cases, one spiral turning clockwise and the other counter-clockwise in most cases. No explanation of the spiral formation is given by Professor Heck, though he finds strong indications that all tabular paraffin crystals have a spiral structure that becomes visible only in exaggerated cases. Analysis with polarized light so far has not shown any difference between crystals with visible spirals and those without them. (http://www.sciencenews.org/articles/20061216/timeline.asp)
Courtesy Keelynet

Courtesy Keelynet

01/11/07 - Lightning balls created in the lab TOC
(Anything for publicity. - JWD) One theory suggests that ball lightning is a highly ionised blob of plasma held together by its own magnetic fields, while an exotic explanation claims the cause is mini black holes created in the big bang. A more down-to-earth theory, proposed by John Abrahamson and James Dinniss at the University of Canterbury in Christchurch, New Zealand, is that ball lightning forms when lightning strikes soil, turning any silica in the soil into pure silicon vapour. As the vapour cools, the silicon condenses into a floating aerosol bound into a ball by charges that gather on its surface, and it glows with the heat of silicon recombining with oxygen. To test this idea, a team led by Antônio Pavão and Gerson Paiva from the Federal University of Pernambuco in Brazil took wafers of silicon just 350 micrometres thick, placed them between two electrodes and zapped them with currents of up to 140 amps. Then over a couple of seconds, they moved the electrodes slightly apart, creating an electrical arc that vaporised the silicon. The arc spat out glowing fragments of silicon but also, sometimes, luminous orbs the size of ping-pong balls that persisted for up to 8 seconds. "The luminous balls seem to be alive," says Pavão. He says their fuzzy surfaces emitted little jets that seemed to jerk them forward or sideways, as well as smoke trails that formed spiral shapes, suggesting the balls were spinning. From their blue-white or orange-white colour, Pavão's team estimates that they have a temperature of roughly 2000 kelvin. The balls were able to melt plastic, and one even burned a hole in Paiva's jeans. These are by far the longest-lived glowing balls ever made in the lab. Earlier experiments using microwaves created luminous balls, but they disappeared milliseconds after the microwaves were switched off. "The lifetimes of our fireballs are about a hundred or more times higher than that obtained by microwaves," says Pavão.
Courtesy Keelynet

"Formerly no one was allowed to think freely; now it is permitted, but no one is capable of it any more. Now people want to think only what they are supposed to think, and this they consider freedom.":

Oswald Spengler - (1880-1936) Source: The Decline of the West, 1926

Courtesy Keelynet
01/10/07 - Desktop fabricator may kick-start home revolution TOC
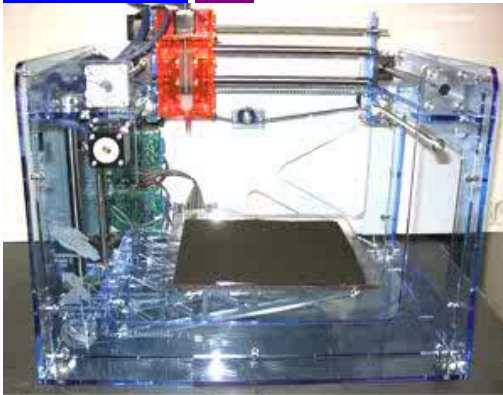
A cheap self-assembly device capable of fabricating 3D objects has been developed by US researchers. They hope the machine could kick start a revolution in home fabrication – or "rapid prototyping" – just as early computer kits sparked an explosion in home computing. Rapid prototyping machines are already used by designers, engineers and scientists to create one-off mechanical parts and models. These create objects by depositing layer upon layer of liquid or powdered material. These machines typically cost from $20,000 to $1.5 million, says Hod Lipson from Carnegie Mellon University, US, who launched the Fab@Home project with PhD student Evan Malone in October 2006. The standard version of their Freeform fabricator – or "fabber" – is about the size of a microwave oven and can be assembled for around $2400 (£1200). It can generate 3D objects from plastic and various other materials. Full documentation on how to build and operate the machine, along with all the software required, are available on the Fab@Home website, and all designs, documents and software have been released for free.
Courtesy Keelynet

Near Disaster TOC
Forward Courtesy R Montserrat

Sometimes, we all wonder what may or may not be possible. After seeing this come to my inbox, I just couldn't resist – editor

Look at the first picture, (Top Right) and you can see where this guy broke through the guard rail (right side where the people are Standing on the road).

His truck left the road, travelling from right to left. He flipped end-over-end, across the culvert outlet and landed on the left side of it.

Now look at the 2nd picture (below).
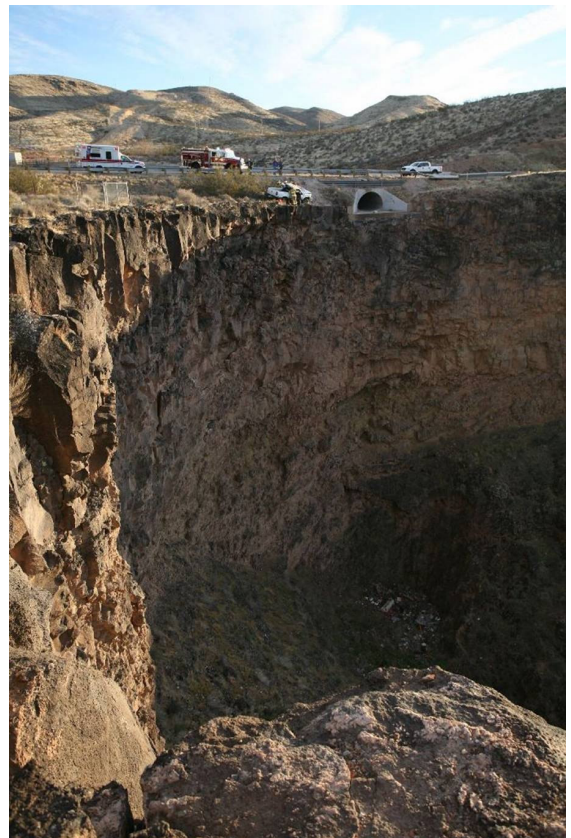
Lucky bloke this, eh?

Scalar Beam Chembuster Modifications

(Edited version of a consultation response)
By Jon Logan [TOC](#)

I have put a fair amount of time into thinking about the design modifications you suggested, and am attaching some schematics for you. I have not built the design depicted here, but based on my understanding of the materials and physics involved it ought to work.

There are many modifications to the basic Chembuster design which have been tried by various folks. In general, they revolve around 2 main themes: optimizing the Chembuster for use in the (standard) passive role OR optimizing the Chembuster to serve in a powered (non standard) role. When the Chembuster is working in a passive role, it functions IMO as a check valve operated by the potential and / or state difference of the orgone fields in the air and the earth respectively. It will change its energy throughput in response to systemic conditions / ambient conditions. In some cases the effects of deploying the Chembuster may be dramatic; in others it may appear to do nothing until he conditions which cause it to function are provided.

In an active role, the Chembuster is used as a large scale radionics output module. While this can make the Chembuster more active, it can also change the effects depending on the signals used to stimulate it. Time needs to be spent determining what signals work best in your area and for you. However, the solfeggio tones in general are a good place to start. Also, pretty much any soothing type of music, recorded chant, or other audio recording with some 'healing' properties would be a good candidate for testing. You could also make the process of broadcasting through your Chembuster more efficient by taking into account the direction in which the Chembuster is pointed; in general alignments based on the compass directions seem to be most effective. It is possible to simply point the Chembuster at a section of the sky for short term usage. For long term usage, it is generally agreed better to find a directional heading and angle (compass degrees and elevation above the horizon) that work well in the area of use and stick with it, changing the alignment only as needed.

You can test the response by pointing the Chembuster at a roughly 30 degree angle to each of the compass directions and monitoring the weather though the area.

It is well worth reading over the cloud buster use methods described on PORE and OBRL web sites if you plan to use your Chembuster in an actively powered mode. In an actively powered mode, the Chembuster will behave more like a conventional cloud buster, with the added factor that it will have a signal carried on the field of effect.

Orgone Matrix Material Recipe
One of the most fundamental optimizations of the Chembuster for a passive role is to put some thought into the ingredients used for the Orgone Matrix Material base attached to the pipes. There are literally hundreds of different substances that people have added to the material while experimenting, and by no means will all of them be mentioned here. It is recommended that you read over the information my site concerning "Orgone Matrix Material and the curing process" and "orgonite ingredients", these pages can be found through the site map page of my site (http://www.littlemountainsmudge.com/sitemap.htm).

Rather than using a simple mixture of aluminum and polyester resin, you can add a ferromagnetic or paramagnetic metal in along with the diamagnetic aluminum. Iron or steel are excellent for use in the Chembuster as they are far more responsive to the earth's magnetic field (and to any EMF which the device encounters) than aluminum alone.

The addition of iron oxide is another means of making the Orgone Matrix Material more responsive to magnetic forces, and more strongly an attenuator of EMF. I often use a red earth which i collect locally and which has (among many other trace minerals) a high iron oxide content.

"The only thing that interferes with my learning is my education."

- Einstein

Chembuster Scalar Beam Generatoor
Dimensions Overview

Top / pipes

Outer Layer (LD)

Middle Layer (HD / MHD)

Innermost Layer (EXD)

Central Cavity (Empty Space)

Bottom / ground
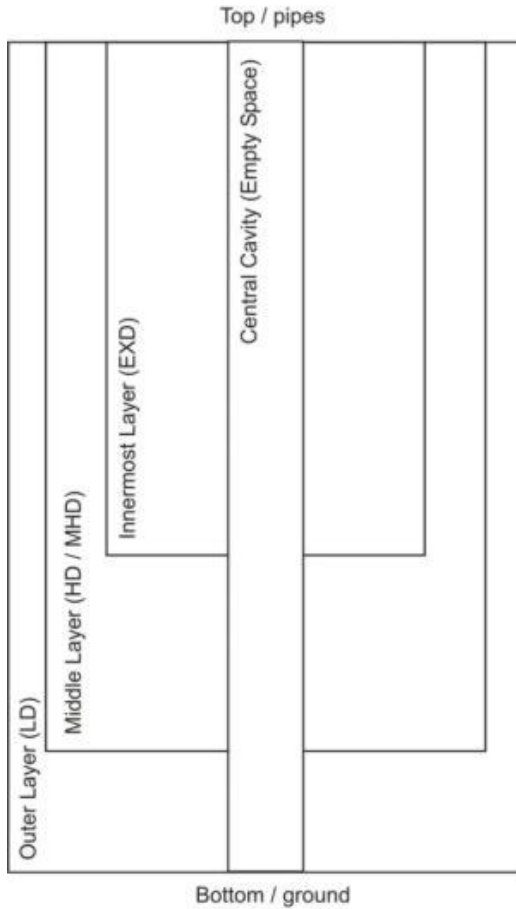
Size Ratios (in percent):

List format = name / diameter / height
all 4 shapes are cylindrical and concentrically arranged
Outer Layer - 100 x 161.81
Middle Layer - 85.415 x 138.19
Innermost Layer - 61.81 x 100
Cavity - 14.59 x 161.81

Pipe length

The length of the pipes does IMO play a role in determining the focal length of the device. The standard six foot length works fine. It is not absolutely necessary that the pipes be six feet long. A simple optimization is to have a competent dowser define the length closest to six feet which will work best in the area you intend to use the Chembuster. A simpler method is to make the pipe length a multiple of the diameter x PHI (1.6181). One way to do this is to split the difference between pipe ID and OD, then multiply this by 1.6181. Keep multiplying the resultant number(s) by 1.6181 until you get to length close to the target length for the pipes.

The PHI Ratio may also be incorporated into the layout of the Chembuster base, and this is shown in the attached schematics. IMO, using the PHI ratio in this application acts to smooth the energy signature of the device ad make it less discordant / more harmonic. It allows the device to process more energy because it does so more smoothly. It also IMO allows the devices to build up an internal resonance within the energy fields to a greater degree than it would without the PHI Ratio.

CaDens™

CaDens is short for cascading densities. It is a technique I developed to maximize the efficiency of the Orgone Matrix Material. With respect to a CB, I would suggest that if using CaDens techniques, you pour the Orgone Matrix Material base as a series of concentric rings, with the lowest density material at the outside of the base, and the highest density at the inside of the base. This acts to focus the energy field most strongly at the center of the base. It also acts to simply increase the amount of energy flow through the CB as a whole; the higher density layers attract a flow of energy from the lower density layers, and thereby are stimulated by this flow from the lower density layers.

Typically this requires a set of molds that are successively larger; one mold for each of the layers of the casting. I would suggest that you first assemble the pipes, then do the casting starting with the center layer. Since the molds may be constructed in whatever size you want but the pipes come in fixed sizes, I would suggest that you use the diameter of the pipe as a starting point with respect to the dimensions, and make the molds in multiples of the pipe diameter by PHI.

Central Cavity

If you plan to have a cavity in the base somewhere to hold a vial of water (or other material to use as a sample) then the placement of the cavity has a significant effect in conjunction with the CaDens layers. The most fool-proof setup is to have the cavity in the center of the CaDens layers (see schematics) and this will focus the most energy in the cavity.

A cavity in the highest density material will act as an output filter for the energy field emitted from the CB. A cavity in the lowest density layer will act as an input filter for the energy field emitted by the CB. Since you mentioned that you intend to use it mostly in a powered mode, I will focus on that application. Please note that this means the

Chembuster will not behave the same as a normal Chembuster, and may not be useful in a passive role.

The central cavity runs through the entire axial length of the Chembuster base, in the spot where a center pipe would go if you were using a center pipe. I would suggest that you start with the vial placed as shown in the schematics and experiment with that for a while. If the desired results are not achieved, substitute the vial with a good quality piece of quartz and place the vial either directly above or below the quartz piece (see schematics).

Mobius Coil(s)
There are several ways the Mobius coils could be integrated with the device. I have put some thought into it and given you what I think is the best for your application, and which would give you the most configurability for experimentation.
The idea i have involves several Mobius coils, installed in both the Orgone Matrix Material base and on the ends of the pipes.

"The West won the world not by the superiority of its ideas or values or religion but rather by its superiority in applying organized violence. Westerners often forget this fact, non-Westerners never do."

-Samuel Huntington, Harvard Professor, "The Clash of Civilizations"

Chembuster Scalar Beam Generatoor

Components Overview

Dim. C x 1.6181
Dim. B x 1.6181
Dim. A x 1.6181

Dim. D
(Dim. A x 0.1459)

Dim.C
(Dim. A x 0.6181)

Dim B
(Dim. A x 0.85415)

Dim. A
(Arbitrary base dimension, can be optionally based on a multiple or PHI-multiple of pipe diameter)

Legend
I - Crystal(s)
II - Water Vial
III - Small Mobius Coil(s)
IV - Large Mobius Coil
V - Copper Pipe(s)
VI - EXD Innermost Layer
VII - HD/MHD Middle Layer
IIX - LD/Resin Outer Layer
IX - Central Cavity / Empty Space
X - ORAC Reflector(s)
■ - XHD   - Water Vial
■ - HD/MHD   - ORAC Reflector(s)
□ - LD/Resin   - Copper Pipe(s)

Large Coils
First, make a large Mobius coil with a diameter sized to just fit over the innermost (highest density) layer of the CaDens layers in the base of the CB. Ideally, this coil should have several hundred feet of wire but it is difficult to do the winding in the toroidal fashion with wire lengths in excess of 100 feet. It may still be done with a helper to assist in handling the cable as you loop it through the center of the coil, or several cables may be made and connected in series to form a longer coil. Set this first coil aside and make another the same, but in the exact opposite orientation of the first (twist the cable in the opposite direction and wind the coil in the opposite direction). When you are done, you should have two coils that have the same diameter (sized to fit over the innermost CaDens layer) and are MIRROR IMAGES OF EACH OTHER. Cut a thin spacer of some dielectric material such as poster-board or phenolic sheet and fasten the two coils to the spacer with a little glue. Then, wrap electrical tape around the two coils like you wound the cable so that the finished unit is covered entirely with electrical tape. Last, wrap a single layer of aluminum tape or copper foil around the large coil assembly so that it covers the outer periphery of the assembly but does not cover the inner diameter of the assembly. See attached schematics. Once constructed, set the two large coil assembly aside.

48

Small Coils

Make six smaller coils each with ¼ or 1/8 or 1/16 the amount of wire that the larger diameter coil has (depending on the the length of the wire in the large coils). Make the diameter of the six smaller coils to fit the copper pipes. Make 3 each of CW and CCW coils; make them in mirror images of each other. Install the small coils on the ends of the pipes, alternating pipes so that if you went around the ends of the pipes it would go CW CCW CW CCW CW CCW. Position the small coils on the pipe ends so that the plane of the coils are centered on the axial length of the crystals inside the pipes.

Cover the small coils, mounted on the pipes with alternating layers of masking tape and aluminum tape or copper foil. Cover the coils first with a dielectric (masking tape) and then alternate layers until you have 3 metallic layers covering the coils. The metallic layers in this reflector should be insulated form each other and form the pipes, no metal touching.

Chembuster Scalar Beam Generatoor
Coil and Reflector Details
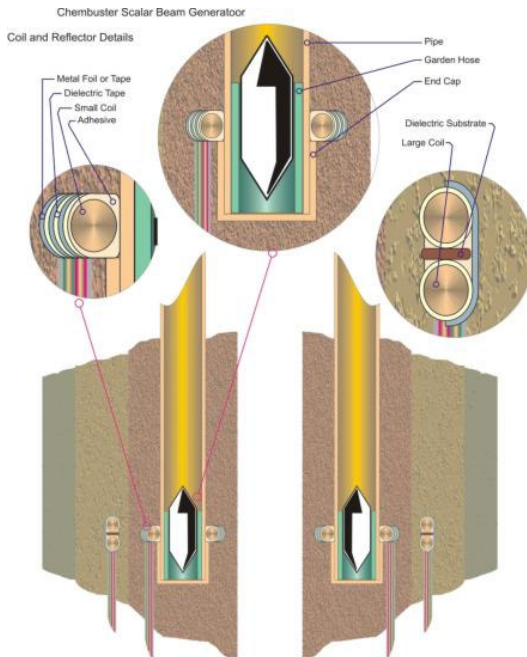
Coil Hookup

The coils on the pipes could be all the same wind, but for maximum configurability you could make them 3 of each, CW and CCW. Rather than connecting them all internally, build a small circuit that allows you to connect them in the following modes:

1-   all 6 in series (2 sets of 3 series coils, run in parallel).

2-   3 CCW in series only

3 -   3CC in series only

The larger coils would normally be driven in parallel, to form a Scalar field in which the smaller coils are placed. The large coils are there to 'pump' energy into the cavity and to the smaller coils. Then, depending on how you run it, the smaller coils would run to make the Scalar field spin CW, CCW, or bucking.

The basic theory of operation is that the large coils assembly excites the Orgone Matrix Material and forms a Scalar field focused on the pipes and small coils. The reason that two coils are used is to increase the strength of the Scalar field; it creates a strain in the Aether focused into a roughly disk-shaped region between the two large coils. In this region of strain are placed the pipe ends with the small coils.

The small coils provide excitation to this region of increased aetheric strain and thereby modulate the output of the Scalar field / beam projected by the pipes.

So, you would 'fire up' the two large coils always. Then, if you want to project a CW spinning Scalar beam you would connect and power the three small CW coils in series.

If you want to project a CCW spinning Scalar beam you would connect and power the three CCW small coils.

If you want to project a balanced or maximum strength Scalar beam then you would connect and power all 6 small coils.

When 3 CCW small coils are run, then the beam should oscillate with the signal applied to the three small CCW coils (and the signal applied to the large coil assembly).

When 3 CW small coils are run then the beam should oscillate with the signal applied to the three small CW coils (and the signal applied to the large coil assembly).

When all 6 small coils are run, they should still be run in sets of 3 series coils. When run in this configuration, the beam should oscillate with the difference between the signal applied to the CW and CCW small coil sets (and the signal applied to the large coil assembly).

Simple Hookup for Scalar Beam Chembuster

Large Coils

Small Coils

Large Coils

Radionic Circuits for Scalar Beam Chembuster

Small Coils
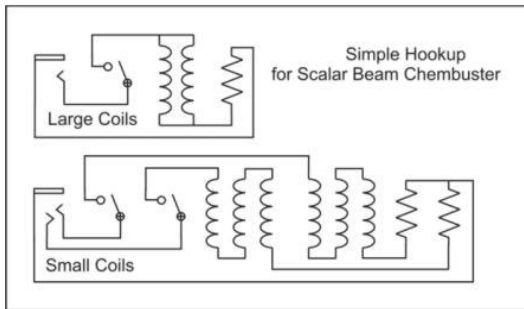
Operation and Other Considerations

I would remind you that you are responsible for you own safety and discretion in experimenting with the device, and that it should not be operated during an electrical storm.

Some study will need to be invested on your part to cover the basic properties of YIN and YANG (google it) and as a rule of thumb you could say that the CW coils have a YANG bias and the CCW coils have a YIN bias.

It is also probable that the device (since it is not a normal Chembuster but rather a Scalar field broadcaster) would function better if installed some distance above the ground, at least a few feet above the ground. It would also be a good idea to install the device on a gimbal or other articulating stand so that it may be pointed in different directions.

A surplus heavy duty telescope base would be almost idea for this purpose, other simpler mounts could be constructed.

Sample Vial

The sample vial is placed in the center of the highest energy region of the Scalar field and if you were looking at using it as a power source for the device then this is where I would place it. You could experiment with a wide range of materials to place in this cavity, including running water.

If concentrated Ormus were placed in the sample vial I would expect that the Ormus would impart its characteristics to the Scalar beam and possible be carried out on the Scalar beam. It may deplete the liquid after a while and require replacement. I would be interested to hear your feedback if you do elect to build this device on the changes if any to the Ormus liquid after several tens of hours of use.
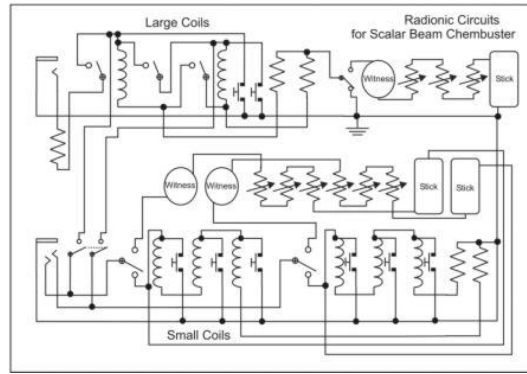
Conclusion

Well, that ought to cover the basics. I did take longer than intended to prepare this document but I hope you find at least some food for thought in it. I have enjoyed composing this on my laptop the last few days; it has been the perfect excuse to sit out in the sun. I have included a few examples of how the above circuit could be configured. All the best,
Jon Logan
©Jon Logan May 2007

Applied Biophysics Research Laboratory

Biophotonics, Magnetic, Scalar, Aether, Orgone, Cymatics, Quantum Sound, Vortex, Water, Soil & Geology, Minerals and Crystals, ORME Monoatomic Elements, Biology; People, Plants, and Animals. Microbes or unseen friends, Keely - Tesla - Viktor Shauberger - Rife - Joel Sternheimer - Rodin

http://biogenesislab.blogspot.com/

"Great spirits have always found violent opposition from mediocrities. The latter cannot understand it when a man does not thoughtlessly submit to hereditary prejudices but honestly and courageously uses his intelligence."

"Peace cannot be kept by force. It can only be achieved by understanding."

"Imagination is everything. It is life's preview of coming attractions."

- Albert Einstein 1879 – 1955

Courtesy RaveOn

50

Word Finder

```
R L M O B I X C H E M T R A I L S M Y U
T E R M D I C C T C Y V Z L B E A M T A
G U A O D Y O R I S Q U A N T U M N I O
E K N I E M E C R L I G H T N I N G V W
F L E D V M Y A O R S I L V E R H E A P
C R P O M I S N C M T H L A C U R B R O
P O E A I L B P O N P I V O M U D S G U
V V J Q U P A R E R R U N J N J M X X H
R T N P U R J G A E T T T I W E R C T R
A D B V A E I K T T I C T E X X I I V E
D X A F B L N P O N I Y E V R T M H U C
A L F T L J O C E Y J O A L E S C S L O
R I N E A H W N Y I G C N N E I W C B R
N R T Y T O T D P C U O G A R J A A F D
W N I I L S P H U U S A L A L H W L A I
I P N L Y O A E M T M T H O D N A A B N
P R O H C N W V N O K U S L R E G R B G
O H T Q T Q W A I Z P A V Q B D W G E A
A C C O C A I B L N O R G O N E Y A R Q
X G M T U G P T O U R M A L I N E H C S
```

Thanks for using Camtech Software!
http://Camtech2000.net
Jerry Campbell

Words to find:

BEAM / BIOCOMPUTER / BIOMAGNETIC / CHEMTRAILS / CONTINENTS / DATA / DNA / ELECTRON / FABBER / FREQUENCY / GIANTS / GRAVITY / HOLLOW / HYDROLOGY / IACOCCA / INTELLIGENT / JAMMER / LIGHTNING / MEINKE / MRET / ORGONE / ORNITHOPTER / OVERUNITY / PARAFFIN / PHANTOM / PUHARICH / PULSARS / QUANTUM / RADAR / RECORDING / SCALAR / SILVER / SMITH / TOURMALINE / VACUUM / VIBRATIONAL

Farmer Joe decided his injuries from his recent accident were serious enough to take the trucking company responsible for the accident to court. In court, the trucking company's fancy lawyer was questioning farmer Joe.

"Didn't you say, at the scene of the accident, that you were fine?"

"Well, I'll tell you what happened. I had just loaded my favorite mule Bessie into the--"

"I didn't ask for any details," the lawyer interrupted. "Just answer the question. Did you not say, at the scene of the accident, that you were fine?"

"Well I had just got Bessie into the trailer and was driving down the road--"

"Judge, I am trying to establish the fact that, at the scene of the accident, this man told the Highway Patrolman on the scene that he was just fine. Now several weeks after the accident he is trying to sue my client. I believe he is a fraud. Please tell him to simply answer the question." By thi s time the Judge was fairly interested in Farmer Joe's answer and told the lawyer so.

"Well," said the farmer, "as I was saying, I had just loaded Bessie, my favorite mule, into the trailer and was driving her down the highway when this huge semi-truck and trailer ran the stop sign and smacked my truck right in the side. I was thrown into one ditch and Bessie was thrown into the other. I was hurting real bad and didn't want to move. However, I could hear ol' Bessie moaning and groaning. I knew she was in terrible shape just by her groans. Shortly after the accident a Highway Patrolman came on the scene. He could hear Bessie moaning and groaning so he went over to her. After he looked at her he took out his gun and shot her between the eyes. Then the Patrolman came across the road with his gun in his hand and looked at me. He said, "Your mule was in such bad shape I had to shoot her. How are you feeling?"   Courtesy Mary A.

```
G R S . . . . . . . . E R . . M A . G E
N E N . . M . . . . . T O . . U P . N C
I T O T R A N S P A C I T O R T M . I N
D A G . . G C . . . . X C . . N A . D E
A W Y . D N O . . . . U U . . A R . L T
C . L . O E N . . . . L D . . U . E S
S D O . T T S . . . . F N . . Q G . I I
A E P . T I P T . . . . O . . . N . H X
C L . . O C I . D . . . C . . . A . S E
. A D . . M R . E . . . R . . . S . . .
. W . I E . A . N . . . E . . . B . . .
. A . . O . C . S . . . P . . . O . J .
. R . . . R Y . I Z . . U . . . L O . S
Y R O E H T O . T S . H S . . . E R . C
. . . . . . . T Y L . . T . . . G . A
S E L P I C N I R P . . . U C . . O . L
. H O O T E N . . . . . . E M . . N . A
. . . . . . . . . . . . . L . S . E . R
A R E M A C . . . . . L . . . . I . .
. . . . . . . . . . S H I V A . . . B . .
```

Solution to Issue 4 Word Finder (above).

Real Deal Radionics

Andrija Puharich: ELF Shield

Note: This article is a must-read for anyone interested in psionics, energy field defense, or the lineage and origins of engineering concepts gradually becoming more common today, including in forms adapted by myself and others for radionics, homeopathy, biofeedback, and other similar uses. –Editor

Method and Apparatus for Shielding a Person from the Polluting Effects of Extremely Low Frequency (ELF) Magnetic Waves, and all Other Environmental Electromagnetic Emissions

By Dr Andrija Puharich
Essentia Research Associates

This paper will describe a novel method and means of defense against the global omnipresence of ELF emissions and other electromagnetic pollution. The use of ELF magnetic emissions in contemporary undeclared warfare is so new that there is little knowledge about it amongst both the lay public and experts in warfare. Therefore, this paper will rely on the history of the development of ELF warfare starting with Nikola Tesla's pioneering work in the 1890s; its contemporary use by several nations; and some new research carried out by the author. This background material is to be found in Reference 1, an unpublished manuscript written by the inventor.

We begin with a description of an objective method of measuring a person's susceptibility to electro-encephalographic (EEG) entrainment with respect to magnetic pulses, visual photonic pulses, and auditory sound pulses. From this data set there is calculated a specific set of magnetic pulse frequencies, typically between 7 to 10 Hz that protects that individual from "negative" ELF magnetic waves. This protection extends to all man-made environmental electromagnetic pollution. Reference 2 proves that the magnetic component of electromagnetic pollution can be mutagenic in human tissue. This is the great danger of electromagnetic pollution.

We then describe the three components of the electromagnetic pollution (EMPe) and extremely low frequency magnetic (ELFm) shielding device. We then show how the shielding device effect can be objectively measured. First, the ambient EMPe and ambient ELFm pollution is measured with a detector coil-amplifier of great sensitivity. A typical measurement will show a spread of frequencies ranging from 6 Hz to 120 Hz with a measurable average amplitude, and characteristic wave shape. Then the three components of the shielding device are placed on a person, and the measurements repeated. Typically, the ambient frequencies will narrow down to 7 to 10 Hz with a 3-fold increase in amplitude. These frequencies centering on 8 to 9 Hz are biologically beneficial frequencies.

Thus the shielding device performs two important functions: (1) cancels out all negative polluting EMPe and ELFm emissions in the ambient environment of a person, thus shielded, and (2) selectively amplifies certain beneficial ELFm in the ambient environment of a shielded person, in the rage of 7 to 10 Hz with a peak center frequency of 8 to 9 Hz in the EEG power spectrum.

As a beginning to the theory, and hence of the method of operation of the shielding device, I present some brief observations of the way in which one human being can direct and radiate his natural EEG, i.e., ELFm, a magnetic wave at another person, and use them to bring under control the EEG wave system of that person, as measured objectively with dual EEG wave measurements of the two persons. Observations are also made of artificially radiating a person with a magnetic wave generator which can produce behavioral modification in the person being radiated.

A theory and method is developed as to how and why ELFm signals of the order of 2×10^{-9} Tesla per second (2 nanotesla per second) can exert such powerful control effects over biological systems. The experimental work that is the foundation of the theory and of the method is given in some detail. The theory states that external magnetic fields can control biological spin-spin proton-proton coupling constants in DNA, RNA, RNA-transferases, and hydrons (H2)). Such spin-spin coupling constants can be stabilized at equilibrium, against the destabilizing external ELFm frequencies.

Reference 3 shows some of the hysterical press reaction to the existence of the Soviet ELF

emissions. Reference 4 shows the scientific analysis of the phenomena by an engineer.

Description of the Method of Measuring Objectively the Sensitivity of an Individual to Brain wave Entrainment from Polluting Electromagnetic Emissions ~

The author discovered many years ago that when two human beings interact in the well known "laying on of hands" effect (without any body contact) that the brain waves of one of the participants will entrain the brainwaves of the other person. See Reference 5, pp. 7-9. Later it was discovered that the Soviet ELF global emissions could entrain the brain waves of certain individuals. Then it was found that by proper training individuals could entrain their own brain waves at the Alpha Frequencies (7-12 Hz). As a result of such experiments and findings the author developed the system shown in Figure 1 which can be routinely used to measure the effects of polluting EM emissions of the brain waves. These effects on the brainwaves are explainable as an effect on the spin-spin proton-proton coupling constants of every odd-numbered atom in the human body. See Reference 5m pp. 16-21 for the scientific basis of this effect.

Referring to the block diagram of Figure 1 we see that the Head (1) of a person is connected via electrodes to an EEG machine (6) which has the capability of carrying out a Fourier transform analysis of the brain waves in real time. Stimulators (8), Strobe Lights (9), ELF Magnetic Wave Generator (12), Audio Wave Generator (11), Transdermal Wave Generator (10, Puharich, US Patent # 3,563,246) serve to entrain the waves of the brain at characteristic frequencies. These entrained waves from the brain are cross-correlated by computer analysis to yield a profile of frequencies that reveal the particular sensitivities of the individual to brain wave entrainment. In addition there is a set of monitors that detect the ambient earth and atmospheric magnetic waves: ELF Detector Coil (2), ultra-sensitive (0.5 microTesla/sec.) Amplifier (3), A/D Frequency Counter (4), and Oscilloscope (5) to measure the wave shpae and the amplitude of the magnetic waves. Systems (3), (4), and (5) are also fed into the computer for cross-correlation analysis with the EEG data. Thus the system of Figure 1 can measure the effects on the brain EEG from the ambient EMPe and ELFm before any use is made of the Shield Device on that person. It can also measure the ambient EMPe and ELFm after the person has

put on the Shield Device. The results of this kind of measurement are shown in Figure 3.

Figure 1: Block Diagram of Brain EEG Recorder, Brain ELF Stimulators, Ambient ELF Detector, and Computer Analysis of Data ~
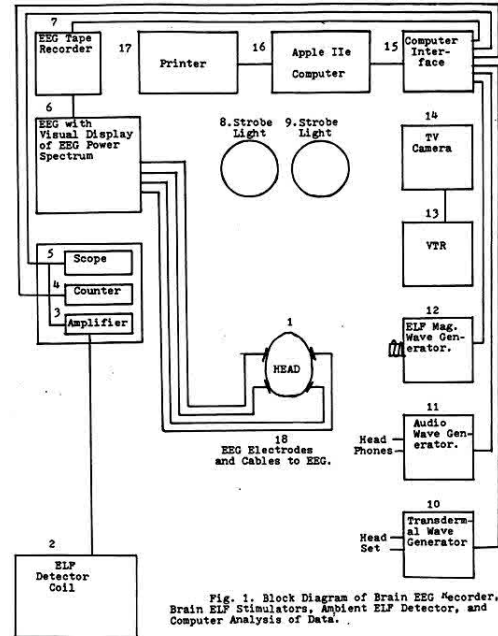
Fig. 1. Block Diagram of Brain EEG Recorder, Brain ELF Stimulators, Ambient ELF Detector, and Computer Analysis of Data.

(following page –ed.)Figure 2: (A) ELFm-EMPe Shield Device Block Diagram. Earth/Atmosphere are energy sources for polluting emissions (I, II). Neutrinos are space energy source of energy for bio-proton detectors (V). The human (III) is the target for these three sources of energy. (B) In the block diagram, IV, VI, VII, VIII, and IX are components of the Shield Device. VI and VII are armbands. IV, VIII, and IX are housed in a metal pen housing and electrically shielded inside from EMPe effects. The solid lines represent conventional EM wiring and coupling. The dashed lines represent scalar wave pathways, and virtual flux pathways.

"Either man is obsolete or war is. War is the ultimate tool of politics. Political leaders look out only for their own side. Politicians are always realistically maneuvering for the next election. They are obsolete as fundamental problem-solvers."

- R. Buckminster Fuller

Figure 2
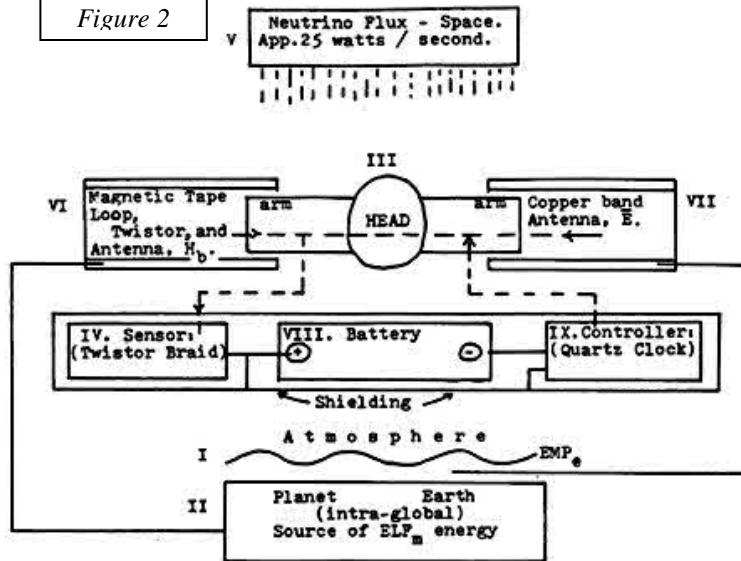
Description of the Shield Device which Protects an Individual from the Negative Biological and Psychological Effects of EMPe and ELFm Polluting Emissions ~

Reference to Figure 2 shows the block diagram of the Shield Device. There are three components of the Shield Device. The first component is the metal shielded circuit made up of three parts respectively labeled: the Sensor (IV), the Battery (VIII), and the Controller (IX), a quartz clock. Now it is to be noted that the first component which is in the form and shape of a ball point type of pencil, and will be called the pencil hereinafter, encloses all of the three parts in a metal Faraday type of shield. This means that the parts are effectively shielded against all EM radiation above about 100 Hz. The pencil is normally held in the hand and can be used as a working ballpoint pen, or it can be worn in a shirt pocket or carried by a cord hung around the neck. The only signals that can get through the shielding of the pen are: (a) the magnetic brain waves of the person wearing it, (b) the ambient neutrino flux from deep space, and (c) virtual sub-quantum anenergy from the environment.

Signal (a) is obvious and needs no further explanation. The brain wave magnetic vector enters the Sensor IV, and is picked up by flat copper braid which is wound in 21 turns on a brass spindle, and each turn is rotated, or twisted 180° on each turn. This rotates the magnetic wave 180 degrees on each turn, and passes on the next turn a magnetic wave that is 180° out of phase with it. The result is that the vectors cancel each other, and the only wave that passes up to the coil is a scalar longitudinal wave. For a definition of the meaning of this term

see Reference 6, pp. 21-25. The scalar wave, when it reaches the positive pole of the battery will orthorotate 180° and release a pulse of charge into the battery that is 180° out of phase with the pulse charge that has just left the battery at the negative pole. This phase control of battery charge emission, and battery charge entrance is managed by the oscillations of the quartz crystal in the clock which is free-running at 256 Hz. The proof of this action is that a battery with a normal life, with load, of one year will last for at least 4 years by our latest measurements, if not longer.

But there is a feedback between the human body, and the first component, the pencil, which has just been described. There is a second component, labeled in Figure 2 as the Magnetic Tape Loop (VI), Twistor and Antenna. This is made up of a plastic film (0.125 inch wide and 0.001 mil thick) coated on one side with magnetite powder (Fe_3O_4). The plastic film is wound on a sheet iron base in the form of a circle that will pass over a person's hand and wrist, and is worn as a bracelet. There are 42 turns of the film on the metal circle, and the film is twisted 180 degrees each turn, The magnetic tape loop cancels all the magnetic vectors of all the frequencies of EMPe and ELFm in the ambient environment, and cancels them by the phase canceling already described for the pencil. The difference is that the magnetic tape loop is not connected to anything --- it is an open circuit, and the scalar longitudinal waves are dumped into the ambient vacuum. When the first component, the pencil, is in skin contact with the person, some of the scalar longitudinal waves will enter part IV of the pencil.

The mechanism of this latter effect is that the quartz resonator IX has a feedback to the Copper Band VII of virtual photonic energy because the skin is a detector for all kinds of waves. See Reference 5, pp. 23-27 for a description of this detector effect discovered by the inventor. This copper band initiates a loop of virtual energy flow as shown by the dashed lines in Figure 2 starting at IX, going to VII through the skin and to the opposite arm where it emerges 180° out of phase with the entrance signal due to the diode property of the skin, the path then goes through the shield into Sensor IV, and by hard wire circuitry back to the Controller IX. This is a complete circuit path in which a part of the path

is hard-wired, and a part of the path is a scalar wave, and virtual photon, in nature. These different parts of the circuit, i.e., the human body, and the three components of the Shield Device come into a self-sustaining resonance. The virtual parts of the circuit are hyper-spatial, i.e., greater than 4 dimensions, and this is proven by the fact that the space in which the detector coil sits will remain clear of EMPe and ELFm for 15 minutes to 90 minutes after the person who wears the Shield Device leaves the area by going at least one-half mile away.

Reference to Figure 3 will show a series of typical measurements made in the region of the Detector Coil (2 in Figure 1) before and after the introduction of the Shield Device. The persistence of a hyperspatial effect is seen in a comparison between Figure 3A and Figure 3c when the person with the shield Device leaves the ELF Detector Coil region, and goes away at a distance of one-half mile. The pattern recorded by the ELF Detector Coil remains as shown in Figure 3C. It is to be noted by reference to the chart on page 20 in Exhibit E, that the beneficial frequencies for the human organism are centered on 8 Hz, and reference to Figure 3d shows that the Shield Device on a person centers his EEG power spectrum on this center frequency at a very high amplitude. This protects the person from polluting emissions and magnifies the natural NMR system of the biological system. See Reference 7 for an introduction to this NMR coupling.

Figure 3 ~ Results of tests with and without the Shield Device on a person as measured by the method shown on Figure 1, in a typical case.
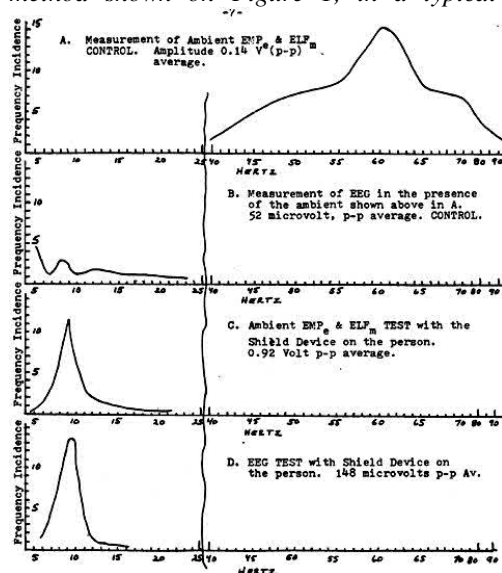

A. Measurement of Ambient EMPe & ELFm CONTROL. Amplitude 0.14 V°(p-p)m average.

B. Measurement of EEG in the presence of the ambient shown above in A. 52 microvolt, p-p average. CONTROL.

C. Ambient EMPe & ELFm TEST with the Shield Device on the person. 0.92 Volt p-p average.

D. EEG TEST with Shield Device on the person. 148 microvolts p-p Av.

Figure 4 ~ (following page)

Summary and Conclusions ~
(1)   A Method and Means to measure ambient EM Pollution (EMPe) and ambient ELF Magnetic waves (ELFm) in the environment of a person, said waves being of a harmful biological and psychological nature to humans (Figure 1).
(2)   A Method and Means to protect a human being from such harmful emissions with a Shield Device (Figure 2).
(3)   A Method that is based on the known biological spin-spin proton-proton couplings, and is used to influence this nuclear magnetic resonance (NMR) system to strengthen the biological integrity of the human body (Figures 3 and 4).
(4)   The means of the Shield Device which is composed of 3 parts:
(a)   The Pencil ~ This is a shielded device which serves as a sensor and a controller of Scalar Longitudinal Waves, and converts normal EMPe and ELFm vector wwaves into scalar waves and virtual energy waves, thereby eliminating the vector waves in the immediate vicinity of a person. The Sensor is made up of 21 turns of flat copper braid wound on a brass cylinder, each turn of braid being twisted 180 degrees from the preceding turn. Braid is connected to the positive pole of the battery, and the negative pole of the battery is in series with a free-running quartz clock.
(b)   A Magnetic Flat Film Loop (MFFL) ~ 42 turns, each of which is twisted 180° from the previous turn. This circular flat film magnetic coil serves to collect EMPe and ELFm vector waves from the ambient environment and convert them to Scalar Longitudinal waves which are not harmful to man. There is a virtual coupling between the pencil circuit, and the MFFL. A person wears the MFFL on his body skin, preferably on his wrist.
(c)   A Flat Copper Bracelet ~ Preferably an open loop, that is worn on the wrist. Additional copper bracelets may be worn on the body in order to lower the center frequency of the EEG to 8 Hz.

References ~
(1)   Puharich, Andrija: "TMT, The Magnetic Threat"; unpublished ms (Dell Publishing Co., NY).
(2)   Liboff, A.R., et al.: "Time-Varying Magnetic Fields: Effect on DNA Synthesis"; Science 223 (February 1984).
(3)   Bearden, Thomas E.: "Star Wars Now", Tesla Book Co., 1984.
(4)   Puharich, H.A.: "Successful Treatment of Neoplasms in Mice with Gaseous Superoxide Anion (2) and Ozone (O3): With a Rationale for the Effect"; Yearbook of the Sixth World Congress of the International Ozone Association, Zurich, Switzerland, 1983.
Courtesy Rex Research

Figure 4.

ELF NMR Spin-Sp. COUPLING FREQUENCY SCALE

-64 Hz	-32 Hz	-16 Hz	0 Hz	8.00 Hz	16 Hz	32 Hz	64 Hz

Direction of increasing rate of Cell Division ⟶

Factors that Decrease Cell Div.

When cells are placed in H_2O suspensions that contain 27% or more, of deuterated water, cell division stops, reversibly.

$^2_1H_1$ = Spin I = 1, μ = 0.85

$^{14}_7N_7$ = Spin I = 1, μ = 0.40

$^6_3Li_3$ = Spin I = 1, μ = 0.82

Nitrogen acts as an anesthetic, and Lithium is a cell depressant.

normal

STABILIZING ELEMENTS

$^1_1H_0$ = I $\frac{1}{2}$, μ = 2.79, and all elements with spin $\frac{1}{2}$, or integral $\frac{1}{2}$ spins with odd number mass and μ = 0; or with spin 0 and even number mass.

All proton-proton, spin-spin coupling energies pull toward 8 Hz.
●●●●●●●●●●●

RNA transferases
+
Tetrahedral forms of H_2O

Normal Terminal Respiratory Chain electron flow restored, as well as normal rate of cell division.

Factors that increase Cell Div. and may lead to cancer.

Genetic susceptibly
Chemical Pollution
    Industrial
    Automobile emissions
    Cigarette smoking
    Food Additives
    Water pollution
Ionizing radiation
ELF radiation
Geographic soil factors
Nutrition
Trace elements deficiency
Viruses
Cosmic ray flux
Neutrino flux
Telluric ELF
Weak transmutations
    ABNORMAL: All proton-proton spin-spin couplings pull away from 8 Hz + or -

⟶ Topological Singularity initiating local desynchronization.

ABNORMAL
            Polypeptide and protein transcription errors leading to - RBC de-differentiation, and increasing Iron losses of:
    Ferritin
    Ferredoxin
    Transferrins
Changing electron flow (reversal), and producing:
    Chlorophyll
    Quantasomes
Initiating photosynthesis by the Hill reaction,

$$H_2O \longrightarrow H_2 + \tfrac{1}{2}O_2$$

$$CO_2 + 2H_2 \longrightarrow H_2CO + \tfrac{1}{2}O_2$$

$$(H_2CO)_n \longrightarrow Hexoses$$

OZONE TREATMENT:

FLOW CHART RELATING NUCLEAR SPIN PROPERTIES, MAGNETIC MOMENT PROPERTIES
TO THE RATE OF CELL DIVISION, AND TO ELF NMR COUPLING ENERGIES

Aether and Bioenergy Theory

Wilbert B. Smith: Gravity Control / Binding Force / Caduceus Coil / Geo-Magnetic Generator TOC

Note: For readers only recently familiar with scalar coils and the biofeedback aspect of scalar fields, Wilbert Smith was a pioneer worthy of note… check out what this guy was doing in the 50s! –Editor

Letters, Circuit Diagrams, &c.:

(1) Letter to Dr William Hooper (July 6, 1959)
Wilbert B. Smith
July 6, 1959

Dear Dr Hooper:
Your telegram was phoned to me just as I was getting ready to go on a field trip to determine the electrical conductivity of Lake Ontario, so I grabbed a handful of essays, put them in an envelope and sent them off to you although I didn't have time to write. I hope there were sufficient copies, if not I have a few more and you are welcome to them. You certainly may make of them whatever use you can of this material.

We have rebuilt our machine and are now about to look for some of the answers to some questions. This unit has about 14 ceramic magnets mounted in a groove cut in a ¼ inch thick 6 inch diameter disc. We haven't yet run it up to full speed as we are very cautious after the other exploding. We don't expect much from this machine except maybe answers to a couple of pointed questions.

Our major design effort now is looking towards making a magnetic field move without having to move the magnets. It should be possible, since we found that the converse was true. Also, there are some rules concerning fields, which are not in the literature which might be exploited to attain this end. We refer in particular to the rule that field s can and will remain as separate entities if such arrangement has a lower energy level than that of the corresponding field structure. Also, we found that magnetic fields move only at right angles to their vectorial directions, and in strict correspondence with Maxwell's equations. They refuse stubbornly to move in their vectorial direction, and apparent motion in this direction is actually a folding in or out of the field, always at right angles.

We have drawn up quite a few designs to make the field move, but have discarded most of them either because the present technology was inadequate to do the job, or there was too much uncertainty as to what actually would be going on. We have one design which looks promising, namely notching a circular DC field with a (1 - cos O) function which is rotating and confining the whole in a shield so that the lower energy level is attained if the field structure rotates. We haven't tried it yet, and it will probably fall before we can test this principle. However, it looks promising.

With best regards,
W.B. Smith

---

(2) Letter to Dr William Hooper (July 21, 1959)

July 21, 1959
Dear Dr Hooper,
I want to thank you for your kind interest in our gravity work, and to give you an insight into our current thinking. I am enclosing a couple of sketches of our "gubbine" and what we think is going on around it.

We visualize the magnetic field to have somewhat the configuration of the red lines, with somewhat

more field outside of the ring than inside it. There are discontinuities in the magnet structure due to the fact that the individual vectors are square, but this seems to be an asset rather than a liability as it ensures that the field turns with the magnets, since a higher energy level will be required to bridge the gap between the [magnets ? illegible word] if it did not turn.

Rotation of the magnet-carrying disc causes the field to acquire a velocity throughout its structure, said velocity being directly proportional to the radius. The v x b will in all cases be at right angles to the velocity and the field vector and will be proportional to the magnetic field strength and the velocity. We hold that this condition will apply within the magnets and outside of them, since the magnetic field exists there also.

Following the above reasoning, it is apparent that a virtual gravitron will form on the outer edge of the magnetic ring and another of opposite polarity on the inner edge. The outer gravitron will be somewhat stronger than the inner one, and the field configuration will be determined by the antecedents of the field (magnitude and direction of the magnetic and charge fields, reducing the gravitron field).

However, since the entire structure is immersed in the earth's gravitational field, the antecedents of which may or may not be compatible with the locally generated field, two complexes are possible, within a field structure or a field aggregate. Experiment must give the answer.

We have considered the use of a conventional gravimeter, but we do not think that it would be as good as the precision balance. The sensing element in the gravimeter is several inches from the bottom of the instrument, and since a table of sorts is necessary, it would not be possible to get the sensing element within a foot of the magnets.

---

(3) Letter to Dr William Hooper (November 10, 1959)

November 10, 1959
Dear Dr Hooper:
I am very slow in replying to your letter of Oct. 6, but I have really been quite busy. I am sorry that I can't seem to explain my views on gravitational polarization lucidly, but the trouble is probably with me. I shall try to get something worked up to send you but I don't quite know where to start.

Our work here has been progressing slowly because of silly little mechanical troubles. We have built 5 commutators to switch the currents to produce a rotating field and there has been a serious difficulty with each. We are now working on a rolling mercury design which looks promising.

We did try to use the rotating field from the ceramic magnets to drag around a field produced by a coil and current, but there seems to be a problem with the compatibility of the antecedents of the fields, because the limits within which it will spin are apparently narrow and we have not yet been able to determine their magnitude or the rules governing this action.

Because of the commutator difficulties we have not yet been able to try the big rotating field, but we have it all built and if and when we get this last bug licked we should be able to look for a few answers...

Sincerely,
Wilbert B. Smith

---

(4) Letter to Mr Rideout (No date)

Mr Rideout,
I read your letter of October 23 with appreciation and some amusement. It is quite apparent that my comments on time as a field function did not ring a bell. I am well aware that regarding time as a variable places modern science in the untenable position of trying to lift itself by its bootstraps; but I can only say that these are not my ideas but originates with those to whom our science resembles medieval superstition. I do not understand them fully and I have much to learn, but I have mastered a few basic principles and of these I am sure.

Time as a field function is NOT the same function as registered by our clocks, which record the changing entropy of a system, but is the function which makes this happen.

There is only ONE reality in our universe, and that is the concept of SPIN, and from this derive twelve dimensions. Twelve dimensions are necessary and sufficient to express our universe in its entirety.

Dimensions must include, as well as their vector direction, the component of reality in that direction for without the reality there would be no dimension.

Dimensions are arranged in four fabrics of three each, linked by a "quadrature concept". This is the structure that Relativity strives for by introducing the [square root of -2] between the space and time axis.

The concept of force is a fiction which we invented to stultify our thinking. It is merely a coverup for our lack of understanding of the interaction of reality.

The foregoing will probably sound most sacreligious to the ears of orthodoxy, but I don't mind in the least if these ideas are not immediately subscribed to. Science has a long and lurid history of reluctance to accept ideas which subsequently proved to be of great value.

We are progressing quite well in our gravity research, and ran our unit for the first time on October 26. The effect was measured on a precision chemical balance, when a brass weight increased from 24.4623 grams to 24.4628 grams when active material (cubic inch of aluminum) was 10 inches directly under the weight. Needless to say we have much yet to do and as soon as we have some relationships established we will prepare a suitable paper, a copy of which I will send you if you are interested.

Meanwhile, don't be upset about the above unorthodox ideas; they either click or don't click, and I am quite satisfied that we will come to them sooner or later.

Best regards,
Wilbur B. Smith

---

(5) Letter to George Williamson (November 25, 1955)

November 25, 1955
Dear George [Williamson],
I am glad that the coil arrived OK, but I am sorry that I can tell you very little about it. All I know is how to build it and that it worked. Apparently the hole down the center of the core is necessary for its proper functioning, as is an adequate power input. It will take a kilowatt comfortably, without heating at all, and we know that it will work on 100 watts, but it won't work for us on 30 watts. It just gets hot on the lower power! I don't know what the lower cutoff power is, nor do I know what the boys topside told me; "Play with it and learn".

Don Steadman built a simplified gravimeter which I have installed on a solid footing at home. It is quite interesting as there have been a couple of time field surges during the last month. Also when the Russians let off the Big Blast, there was a gravity wave which was so strong that it broke the quartz spring in the instrument! If the Yanks set off some bigger ones I fear for the consequences. People just don't know about these things. In the words of Jesus, "Father forgive them, for they know not what they do"...

I understand that plans are under way for a number of trips to pick up earth people for visits top-side during this coming few months. You might check with any of your contacts to see if they are involved...

As ever,
Wilbur B. Smith

---

(6) Letter to Mr Middleton (January 2, 1955)

January 2, 1955
Dear Mr Middleton,
Many thanks for your Dec. 4 letter...
In attempting to establish communication with the saucers, I can offer very little except to use frequencies which will penetrate the ionosphere. We have used the call M4 AFFA at frequencies around 20 megacycles. In this business we are all in the kindergarten and all I can say is to try anything and everything until something works.

We were told about a system which uses a radio transmitter as an energy source but a special antenna converter, which radiates doughnut-shaped waves, which are not time functions. We built a couple and find they have the most extraordinary properties. If you wish you could build a unit and try to establish a circuit to our group here in Ottawa. Following are the construction instructions. One ferrite core, material with the highest permeability and dielectric constant, about 8 inches to a foot long, and about 1 inch in diameter. About 20 feet of plastic insulated #14 electric house wire. Starting at the center of the wire and at one end of the core wind on the wire as closely as possible, with the first turn under and then over, so that the winding will be exactly symmetrical. It will start at one end of the core and finish at the other end and will resemble a solenoid with a bifilar winding. It is important that the winding be exactly symmetrical. When connected to a transmitter, treat it as any normal antenna for loading and tuning. There will

be a few points of magnetic domain resonance which will be lossy but anywhere else the device will generate the required waves. It will not matter whether or not the antenna converter is shielded as the doughnut waves go through anything. The most remarkable property of this system is that the waves can be directly MENTALLY...

Yours truly,
Wilbur Smith

---

(7) Letter to Editor (John Campbell), Analog Magazine (1971 ?)

Analog Magazine (Letters to the Editor)[1971 ?] ~
...The coil is said to be a single winding of insulated copper wire, about #16 or #18 gauge, wound on a ferrite core of 1" to 1-1/2" diameter, and about 9" long. The coil is caduceus wound, that is, one begins the winding in the middle of the wire's length, winding the wire in opposite directions around the core and crossing the wires on the same opposite diameter points each time around.
The coil is said to be an energy sink --- that is, current fed into it just disappears, causing no radiation, even of heat. When operating and placed near a grid dip meter, the coil is said to show a large number of resonance points across the spectrum from 200 to 2.0 Mc. This coil is further said to have zero impedance. Further, two or more coils cannot be coupled together.

---

(8) Transcript of a Presentation by W. Smith (Date unknown)

...According to the theory of relativity, if I climb into a spacecraft and I set out from the earth at a velocity very nearly the velocity of light, and I go out to say, Alpha Proxima, and then I turn around and comeback, people on earth say that I've been gone something like 10 years. According to my clock, I've only been gone a year.

Now that is a result, apparently, of time dilation in the theory of relativity, in that the spacecraft in which I travel was moving relative to the earth at a velocity nearly equal to the velocity of light. The paradox arises when you consider that relative to the spacecraft, the earth was traveling away at exactly the same velocity. Therefore, to the people on the spacecraft, who are relatively stationary, 10 years should have passed, and by the time the earth comes back to them, it should have only been away

a year. So you can see right away that the very premise upon which the theory of relativity is predicated --- namely, that if A is relative to B, then B must be relative to A --- leads you to an impossible paradox. This paradox is resolved completely if you recognize the variable nature of time, and as you move round from one part of the Universe to another you'll encounter all sorts of values of time in certain given intervals. We become slaves to the clock to the extent that we believe that the intervals ticked out by the clock are time itself, so we find it very difficult in readjust. Now I don't propose to say any more about this particular aspect, but I would like to say something on the subject of the craft themselves.

We asked them how they were supported, and they said they were supported on the earth's gravitational field. Further studies on our own, with occasional references to these people from elsewhere, and we figured out that we were able to go into the laboratory and conduct a series of experiments which proved beyond doubt that this is true.

Our laboratory experiments have allowed us to make about a 1% change in the weight of objects --- we can make them about 1% heavier or 1% lighter. Now that is a long way from holding a spacecraft up, because we have to go over 100% to do that. But the fact that we can do it --- the fact that the principles which these people from outside gave us and guided us to finding out for ourselves are valid --- certainly indicate that, first, these people are what they say they are, and, secondly, that their technology is that they say it is, that it is superior to ours and that ours is inadequate in many respects [Quite a lengthy description on the blackboard followed at this point].

Now we understand that these bells (Mr Smith is referring to the bell-shaped spacecraft said to come from Venus, which have been photographed by Adamski and others) operate on this principle. Underneath the bells are three things that people have referred to as landing gear. They are not landing gear at all --- they are spheres within which a charged sphere is rotating. It is spinning on magnetic bearings. Magnetic bearing is something else the people from outside gave us the design of. It is very simple in section, and this is the north pole and this is south, and in it they have a thing that looks like this, with a south and this is a north [Here obviously Mr Smith is again demonstrating on the blackboard]. They are simply ferrite bearings permanently magnetized. We built them ourselves

and checked them in the lab, and they worked perfectly. They are very simple things. The spheres carry an electric charge and they spin on this type of bearings down inside these big balls. We are told that the tilt is simply produced by rotating the sphere a little it, which bends the field. The process is much more complicated than would appear from what I am telling you, but these are the first steps and the end results --- even though there are other steps in between.

Now one other thing I would like to mention --- as far as I know, our group in Ottawa is the only group that has actually taken the information which was given to us by the people from outside and translated it into hardware that works. Much information has been given to us through various channels, but people just talk about it. They don't do anything about it. I think that is deplorable. I think that when they give us information, the least we can do is to show our good faith by trying at least to convert that information into hardware.

We have built two items of hardware on their instructions, which I'm rather proud of. One of these pieces of hardware is a coil. It has a ferrite core, and a trick winding on it. To look at it, it looks rather like an oddly wound inductor. When measured on a radio frequency bridge, however, it shows very peculiar properties. There are certain frequencies at which it is impossible to balance the RF bridge, and that is a direct contradiction to what any electrical engineer will tell you should happen with a coil wound on a ferrite core.

The other item that I'm rather proud of resulted from a series of questions that we asked regarding accidental destruction or damage to our aircraft by flying into the vicinity of flying saucers. And we were informed that, although a few of our aircraft had come to an unfortunate end by what they considered the colossal stupidity of our pilots in flying into a region where the aircraft was bound to get into trouble, they said that they are now taking corrective measures and whenever they see one of our aircraft about to commit suicide, they just get out of the way and give him a wide berth. But I asked, if an aircraft was damaged or destroyed, what happened? They said the field surrounds the saucers in order to hold them up. In order to produce the gravity differentials, time field differentials are necessary to operate the ships. These sometimes produced field combinations which reduced the strength of materials to the point where they were no longer strong enough to carry the loads that the materials were expected to carry.

Now as we know, aircraft --- particularly the military type aircraft --- are built with a rather small factor of safety, and if they fly into a region of reduced binding, the material is no longer strong enough to carry the load, and the craft simply comes apart.

Now we asked a series of questions about --- was it possible for our craft to detect these regions so that we would not fly into them, and they said that it certainly was, and they would do this very thing. They also told us that we ourselves were creating regions which were much more dangerous than the regions they established in their vicinity, because we could detect the presence of their craft and give them a wide berth, but we could not detect without instruments the presence of these vortices which we ourselves had produced. They gave us the design of the instrument (See Flying Saucer Review, march-April 1951) which was fundamentally this --- they said to select two materials, one stronger than the other, and to arrange so that these material pulled against each other in such a manner that the weaker material was very near its breaking point, and the strong material was a long way from its breaking point. On that basis we devised instruments, and we built a number of them in the shop and sent them around to various people that we know did quite a lot of traveling. We asked them if they would investigate the regions the regions through which aircraft must have passed just prior to breaking up in mid-air, and we have unfortunately large reports of our airplanes having done just this.

One of these unexplained crashes occurred at a place called Esandon, which is about 20 miles southwest of Quebec City. We investigated the region through which this BOAC aircraft must have passed just prior to its crash, and sure enough, --- big as life and twice as natural --- we found a very large and very strong vortex. Our instruments showed it beyond a doubt. It was about a thousand feet in diameter and roughly circular, with a rather sharp line of demarcation at the edge of it.

You will recall also that about two or three years ago, possibly a little longer, a jet aircraft crashed into a nunnery at Orleans, just out from Ottawa, killed a number of people and did a great deal of damage. In fact, the jet engine was finally dug out of the ground about 30 feet below the foundations of this convent. Once again we found a very strong vortex of reduced binding. We had a number of reports come in from people in the field who found exactly the same thing. I wrote a very stiff **memorandum** to the appropriate people in my own

department, pointing out some of these facts. I did not state where we got the information, but simply stated that we had instruments which showed the existence of these regions of reduced binding, and suggested that something be done about. The letter wound up in the "crank" file. I'm afraid that is the fate of most of these things --- they wind up in the "crank" file. However, that does not in any way change the fact that these regions of reduced binding exist. People from outside told us that they existed, they gave us the design of instruments, we built the instruments and we have confirmed the fact.

Figure 1/2/3
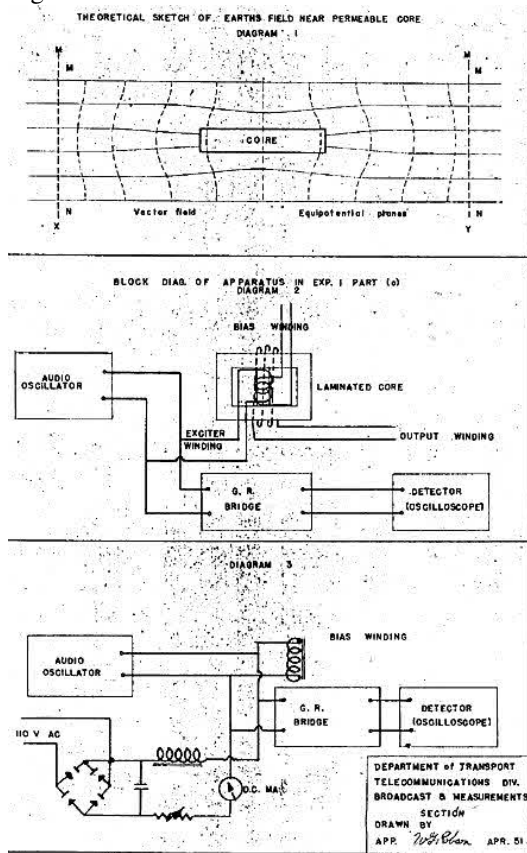
Question: Could you explain why they have curtailed the explosions of nuclear bombs?

I can only guess at why the nuclear explosions have been curtailed. I saw a picture which I know was never released to the public, showing a very large explosion in the Bikini series. This picture showed the enormous fireball which I think must have been well over a hundred miles in diameter, and shooting out from it were what looked like solar prominences --- in other words, they were great tongues of activity of some kind. Now these

tongues looked to me, from the scale of this picture, to be around 25-50 miles. They were quite comparable in size to the fireball. Now, my guess is that these tongues or prominences were in fact chain reactions... [&c...]

Figures:
1. Sketch of iron core magnetic field
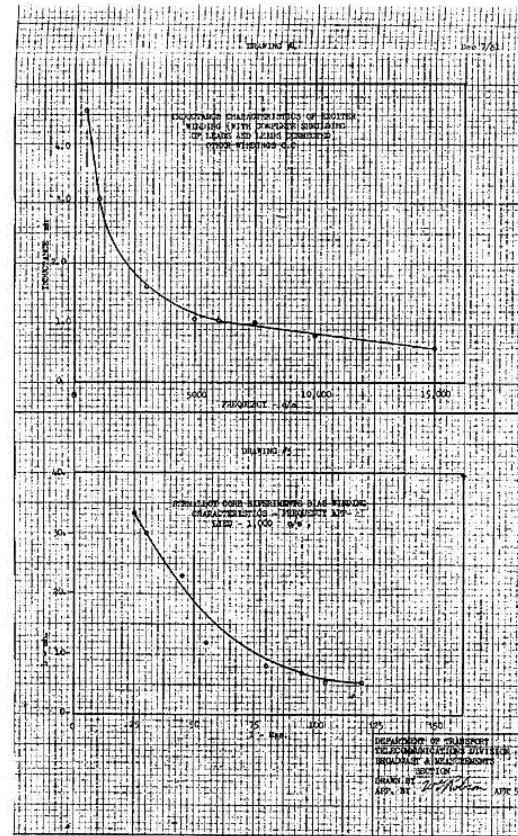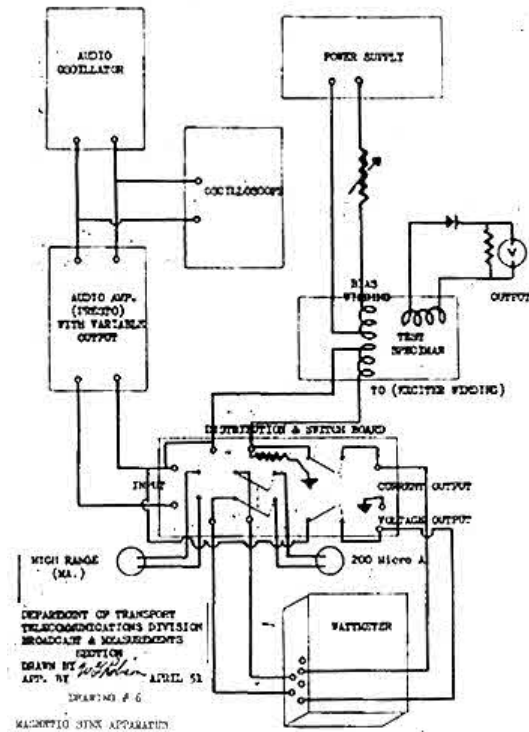2. Apparatus of experiment 1 (a)
3. Apparatus of experiment 1 (b)

Figure 4/5
4. Graph of experiment 1 (a), excitor winding
5. Graph of experiment 1 (b), Bias winding

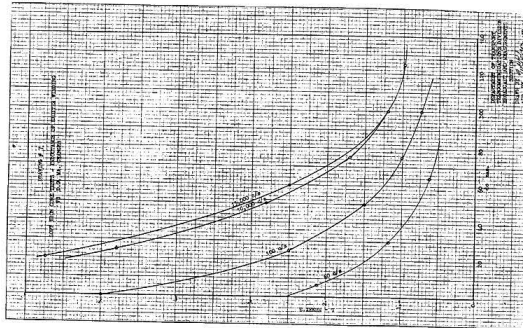**6. Apparatus for test in experiment 1 ©**

10. Circuit drawing of low excitation tests showing waveform and measurements

7. Graph of experiment # 2 (b)

8. Circuit for determining BH curves
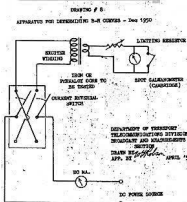
9. Graph for Permalloy and iron cores --- Saturation curves
(same image as #7 "Graph of experiment #2 (b))
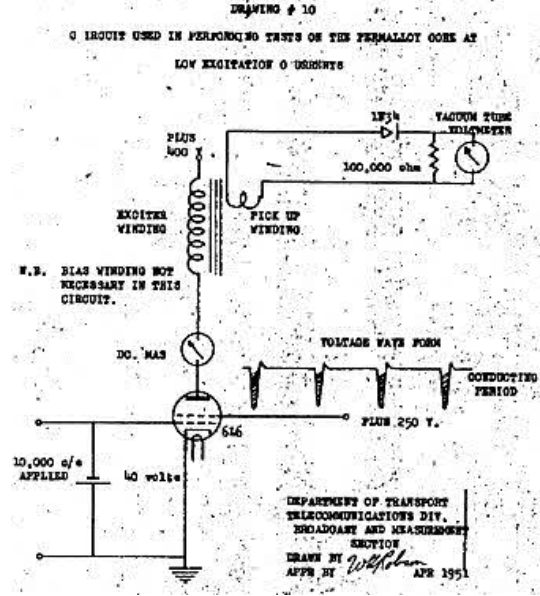
How to start your day with a positive outlook:

1. Open a new file on your PC.
2. Name it "George W. Bush"
3. Send it to the Recycle Bin.
4. Empty the Recycle Bin.
5. Your PC will ask you:
"Are you sure you want to send George W. Bush to the recycle bin?"
6. Answer calmly, "Yes," and click the mouse button.

You will feel even better if you do this at least once a day.

11. Graph of characteristic for Wattmeter (Millivoltmeter)
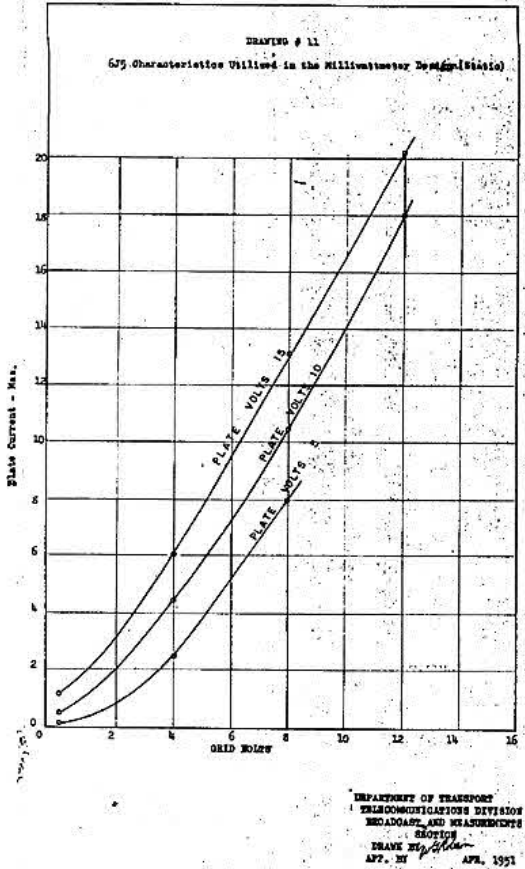
12. Diagram of Wattmeter #1 design
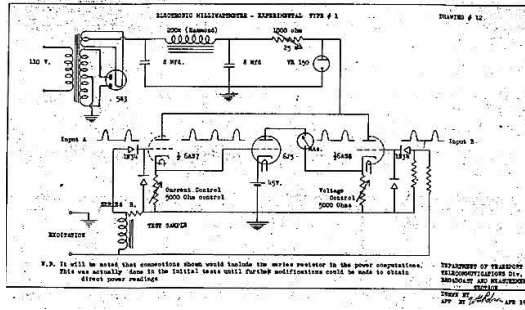
"An honest politician is one who, when he is bought, stays bought."

- Simon Cameron (Lincoln's Secretary of War)

13. Calibrating curves
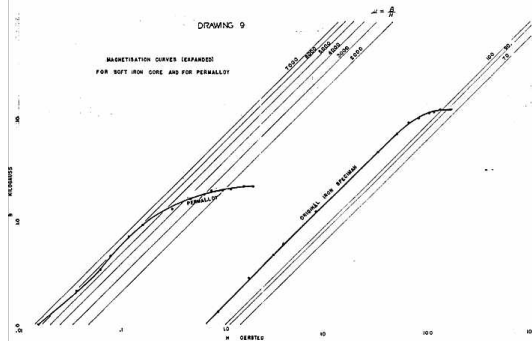
14. Diagram of Wattmeter #2 design
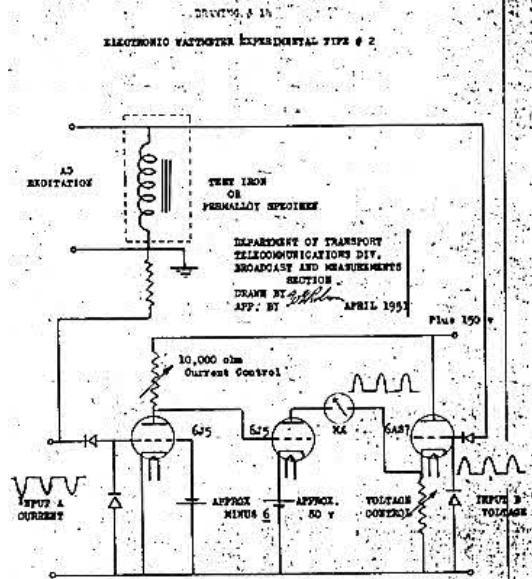
15. Graph of reactance curves for toroids
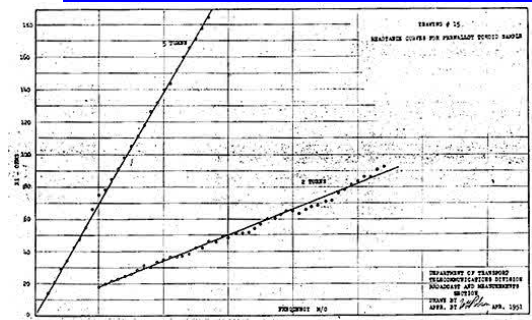
16. Phasing circuits for domain resonance tests

Courtesy Rex Research

Courtesy

01/08/07 - Strips of plastic play audio when you run your teeth over them

A long thin plastic strip, about 60cm long. It doesn't look like much, but it talks! Along the length of the strip is a pattern of fine ridges or lines. Run your thumb nail along the ridges, and the tape speaks. However the sound needs to be magnified, so that you can hear it. One method is to hold one end of the strip between your teeth. Then, when you run your nail along the strip you hear it talk, but no-o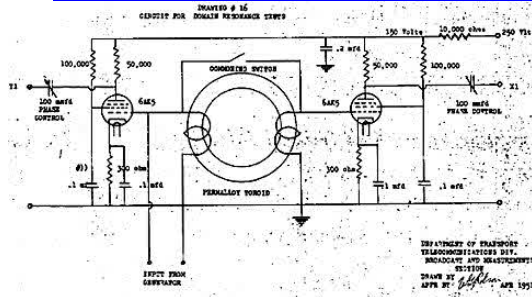ne else does. Or you can stick one end of the strip to an inflated balloon or a paper cup using sticky tape. The balloon or cup acts as an amplifier, and you can then demonstrate it to anyone nearby. What do the tapes say? One says 'Happy Birthday' others say 'Congratulations' or 'Have a Nice Day'. We have 5 different messages, and we supply 4 tapes of each message, making a pack of 20 Talking Tapes.
Courtesy Keelynet

Courtesy Keelynet **TOC**
02/07/07 - DCA cancer cure trials underway
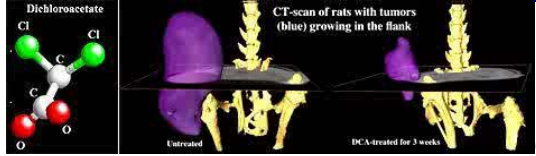
(Would be interesting to try this with radionics, just needs one sample to provide the 'signature'. - JWD) Investigators at the University of Alberta have recently reported that a drug previously used in humans for the treatment of rare disorders of metabolism is also able to cause tumor regression in a number of human cancers growing in animals. This drug, dichloroacetate (DCA), appears to suppress the growth of cancer cells without affecting normal cells, suggesting that it might not have the dramatic side effects of standard chemotherapies. At this point, the University of Alberta, the Alberta Cancer Board and Capital Health do not condone or advise the use of dichloroacetate (DCA) in human beings for the treatment of cancer since no human beings have gone through clinical trials using DCA to treat cancer. However, the University of Alberta and the Alberta Cancer Board are committed to performing clinical trials in the immediate future in consultation with regulatory agencies such as Health Canada. We believe that because DCA has been used on human beings in Phase 1 and Phase 2 trials of metabolic diseases, the cancer clinical trials

timeline for our research will be much shorter than usual. This website will be updated frequently to reflect progress in our efforts. / Dichloroacetate (DCA) is a product of water chlorination and a metabolite of certain industrial solvents. DCA is not patented which would make it dirt cheap to produce. / Dichloroacetate (DCA) is a simple molecule with two oxygens, two chlorines, and two carbons. DCA has been used to treat a rare illness in mitochondria, which process energy inside cells. Unlike many new cancer drugs, you can take DCA by mouth. / When the researchers injected human lung cancer cells into rats, tumors shrank significantly in animals that got DCA, compared to the animals that did not get the drug. Tests showed that apoptosis was operating in the tumors in these DCA-treated animals, but not in the control animals. The drug DCA reduces tumors but does not eliminate them.
Courtesy Keelynet

Herman MEINKE Orgone Devices TOC
Courtesy *Rex Research*

Herman Meinke
Products for Nature
23158 Cora
Farmington Hills, MI 48025

Herman Meinke: The Odic Disk Machine
H. Meinke: J. Borderland Research (May-June 1985); "Free Energy In Your Own Backyard"
H. Meinke: J. Borderland Research (Nov-Dec 19889): "Ions & Orgone"
H. Meinke: Tuning In 1(8), Dec. 1990; "Cloudbusting: Fact or Mythology (Part II)"
H. Meinke: "Possible Use of Chemical Ether Generators for Drought Removal"

"The Odic Disk Machine"
by Herman Meinke

In the book "The Inner Earth" by Doreal, he mentioned that there are 144 separate and distinct types of magnetic current. The Ancients called this sub-Pranic or sub-aetheric, which can be used for superhuman powers and levitation or for control of the mind.

The following is a description of how we make a machine to allow anyone to work with each of the individual magnetic currents.

In the book "Vital Force" by Baron Charles von Reichenbach, he shows the chart of these forces:

Fig. 1: Von Reichenbach's Chart of Forces

An iron triangle was placed on one of the disks to draw off the color to work with it. The width of the triangle helps to draw off more or less of the colors nearby. The triangle is connected to a copper and iron wire to draw off the energy you want to work with. The cone on the other end increases the efficiency. An iron rod can be placed at the edge just between the top and bottom so you can draw color from the bottom and top plate at the same time.

Take a metal disk and put the N or S pole of a magnet in the center. Then place the disk horizontally. Use a compass to line up the dark blue at 90 degrees and red at 270; then you can map out the rest of the lines.

If you can see magnetic auras then you will not need a compass.

Fig. 2 shows how to make a very powerful magnetic spectrum device. The 44-inch diameter disk is made of 10:0:8 soft annealed steel approximately 3/16 inch thick. Between them are placed 16 to 28 ceramic magnets approximately 2 inches in diameter, with a hole in the center and magnetized with the poles across the faces. The blue pole is placed under the top disk and the red pole is placed down on the bottom disk. The top and bottom 2 to 4 magnets are placed so their poles repel, but when put on top of the metal disk they will still attract to the metal disk so as to compress the field out away from the center to the edges of the disk. A brass or copper tube is forced through the holes in the magnets to align them and give them support. A plastic stand or motor is used under the bottom plate.
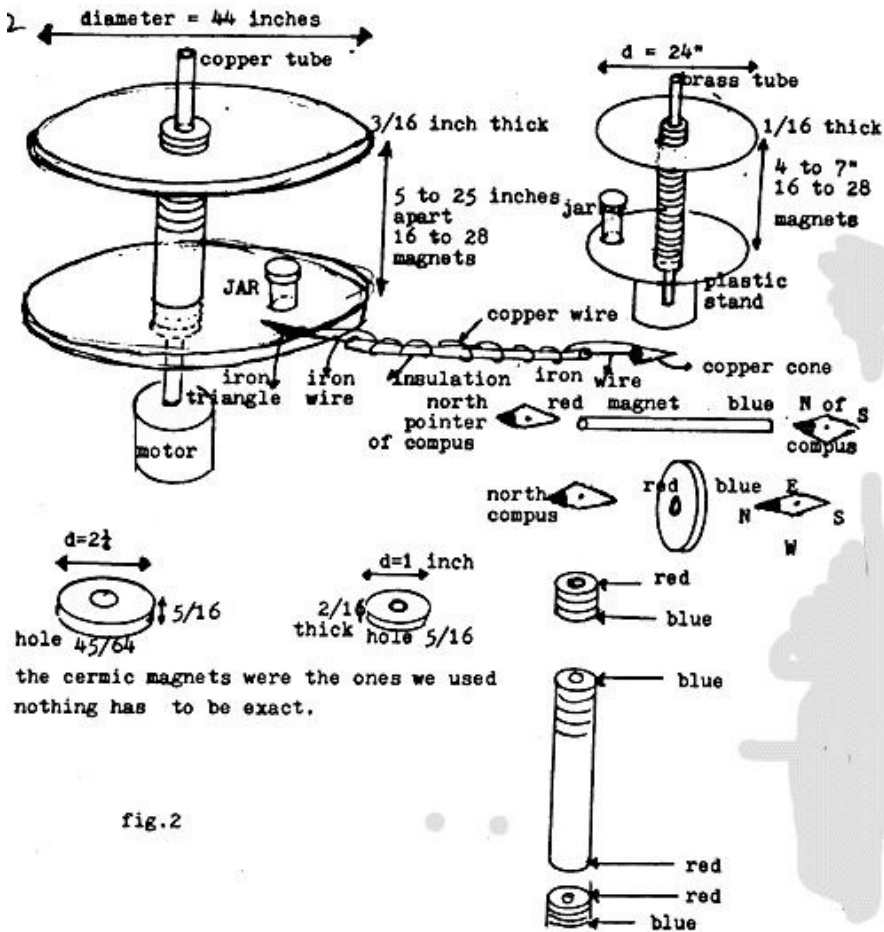
Fig. 2: Magnetic Spectrum Device

Fig. 3 : How the colors look coming out from the machine: very concentrated near the edge and slightly inside (Geographic N: dark blue ray)
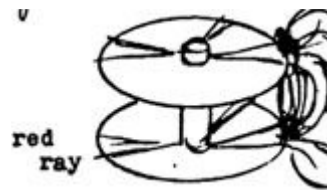
As the distance between the plates is increased the separation of the colors increases and the stinging sensation increases to a point where it decreases with further separation.

A jar placed between the disks can be used to charge water or seeds in water. 2 to 4 hours are needed for good results. If the disk is turned slowly by motor or hand (every 10 minutes by hand), all the colors will fill the water. Seeds treated for 1 hour or longer showed up to 5 times as much root growth as compared to untreated. The disk is turned every 15 minutes. When you use the red or blue pole of a magnet you still have the complete rainbow in each color. Now as with color therapy you have each color at your command and it is already in its aura form which makes it more effective and potent than the aura which is attached to color.

On the back of most old TV picture tubes is a gray ferrite collar over copper wire. Remove them and place 2 or more over the copper tubing on the top disk. With three of these ferrite collars the odic field coming from the area between the two iron disks will be extended 10 to 100 times.

Our guess is that the field of energy may be equal to a 16-layer Reich accumulator, but it is of Od (cf. von Reichenbach) rather than Orgone.

Orgone moves west to east; Od moves south to north. They cross each other. We think that Orgone's physical counterpart is electricity, and Od's physical counterpart is magnetism.

When a person sits in an orgone accumulator his body generates a larger aura. When that person puts his hands near the odic disk the orgone aura collapses and a new aura appears that seems different from the orgone aura. Carbon seems to be able to break orgone into its different colors. Reich found red and blue energy under the microscope, and between red and blue is a rainbow. Now that you have electricity and magnetism (orgone and odic) the sky is the limit. Go after it!

J. Borderland Research (May-June 1985)
"Free Energy In Your Own Backyard"
by Herman Meinke

In looking for grid crossing points or vortexes on your own property you will find both centrifugal and centripetal vortices or whirlpools of energy. Centrifugal vortices move from the center out or

explode. They can be clockwise or counter-clockwise. Counter-clockwise will add to a centrifugal vortex's dominating destructive force effects, while a clockwise motion to a centrifugal energy will subtract from the destructive effects of that force.

Centripetal vortices move from the outside inward, or implosion. They also can be clockwise or counter-clockwise. Now clockwise energy will add to a centripetal vortex, increasing its constructive force, while a counter-clockwise motion to a centripetal energy vortex will subtract from the constructive effects of these forces.

Remember: the mind that forms a vortex tube can be even more important then its rotary direction. The element that formed radium (c-c) will not be the same as the element that formed the element oxygen, clockwise. If you are going to work with vortex energies or grid points which are vortex energy, you should keep a positive outlook and work with love in all you do.

Fig. 1: Centrifugal and Centripetal Clockwise and Counter-Clockwise Vortices

"Ions and Orgone"
by Herman Meinke

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

This same situation occurs outdoors when the air is charged very positively. Normally, fog doesn't lift easily. This is because the ionosphere is charged with 400,000 positive volts, whereas the earth's ground surface tends to be negative, pulling the positively charged fog downward. This same situation fits other DOR type problems. Since these lighter, more mobile negatively charged particles are no longer present, the heavier and more condensed positively charged particles now repel each other in a manner similar to the particles in the silica gel solution in water, mentioned previously. If I were to pour water on a colloid, the water would tend to move the whole gel. Just like this gel phenomenon, DOR type fogs refuse to move, even when a breeze or wind comes along. It is as though the fog particles form an expanded colloid like sponge for many miles. Under these circumstances, it's easy to see why the air prefers to pass through the sponge instead of struggling to impel it to move. Try to visualize the for as a 3-dimensional screen with the corners of its cube having positive ions (or DOR particles) and the smaller air particles passing through the screen but not affecting its movement.

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

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

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

Some of my previous background involved working as a polymer chemist at Reichbold Chemical Co. along with experience as a plating chemist at Continental Dye Casting Co and automotive head chemist at EZY Products. This particular background helped me to formulate the above theories.

Perhaps other scientists as well as lay people can now use this information to advance their understanding of orgone energy. In the past 20 years, I have personally taken readings of the ion content of the air and used negative ion generators to simulate different effects. These instruments can be very useful in studying both orgone and DOR effects on air.

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

There are ways to generate beneficial ions which may prove to be more closely related to orgone energy and thus safer. Refer to British Patent # 1,266,227. If the electricity from a 5000 and 10,000 V AC generator is stored between capacitor plates without producing any electrical breakdown in the dielectric materials between the plates (and if there is no electrical discharge in the air), then a small bluish glow will be observed when there is a small

air gap between the plates. When this happens, the air coming through the plates acts like highly charged orgone energy. Tests run on the above patented device , with air recirculating for over one hour through the device, removed 88% of the CO2. This air also caused rapid healing in highly infected mice.

———————————

Tuning In 1(8), Dec. 1990
"Cloudbusting: Fact or Mythology (Part II)"
by Herman Meinke

In a book called "When Stars Look Down", George Van Tassel describes a device that will double the size of normal vegetables. It is supposed to charge the ground. You weld a 4 foot cross on top of a 21 foot pole with needles pointed up 2 inches apart at the top. Wires are then buried in the ground 18 inches deep. He sates that the device works by unbalancing the charges between the earth and the air while nature tries to counter balance. It creates an electric flux in the mast and wires. The current in the wire produces a magnetic field around it and brings about a gentle magnetic vortex perpendicular to the ground. This in turn creates accelerated electric activity in the plants and roots which are in the vertical zone of electric flux. Each vegetable then becomes a miniature atomic accelerator and thus increases its growth and current flow.
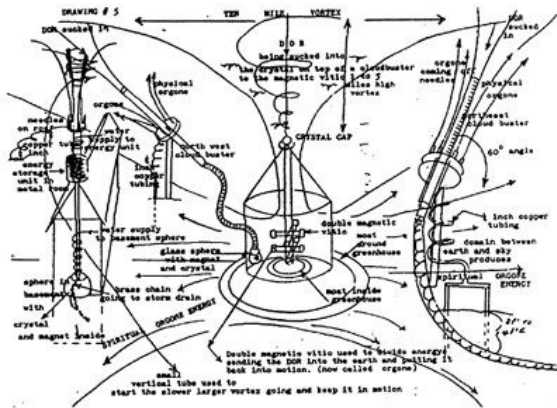
The aura around the plant was usually blue while the wire and need showed red. This is not visibly discernable but rather as light observed by the inner eye.

Several months alter an idea came to me to utilize them around the cloudbuster with each pin connected to the ground. The whole thing nw made sense. I saw a blue haze around the cloudbuster, not unlike the haze of blue I saw around the plants with the loops that discharged over the charged soil. I

was encouraged to think that the points were removing the DOR in acting as a main discharge. If the needles were drawing red energy from the earth and the cloudbuster blue energy from the sky, then this device might prevent a person from being harmed while standing next to a cloudbuster.

[... Missing text...]

Crystals help to attract orgone energy as well as eradicate some of the more harmful types of energies. To test your crystal's true alignment and effectiveness, obtain a 5-ft galvanized conduit tubing and coat it with three layers of shellac. Align the tube N and S and place the apex of the crystal 1/8 inch away from the S end of the tube.

Don't obstruct the tube's opening. If the crystal is smaller than the opening, insert it halfway into the tube. A mild prickly sensation of cold should be felt at the N end of the tube, like a breeze. Reverse the crystal now and note a very weak medical DOR buster effect at the N end of the tube. It feels like energy is being drawn from your body...

[... Missing text...]

(The Vitic)
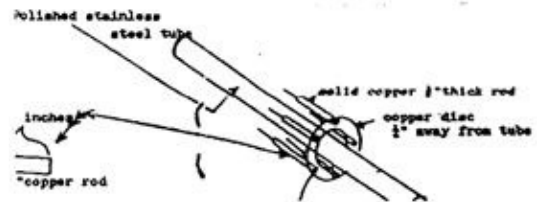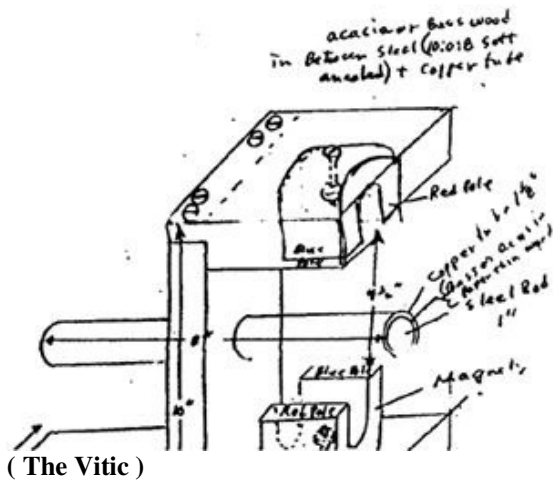
"Possible Use of Chemical Ether Generators for Drought Removal"
by Herman Meinke

(24 July 1990)
Before attempting to use the following information you shouldread "The Orgone Accumulator Handbook" by James DeMeo as well as CORE (Vol VI, #1-4, July 1954) by Dr Wilhelm Reich.

You might have asked yourself just what is a chemical ether generator. It is actually nothing more than an orgone accumulator initially discovered by Dr Wilhelm Reich. There are four basic types of accumulators: box, cone, blanket, or cylinder. Their common basis is that they are always constructed with a metallic inside with the outer layer of organic material. The two layers together are referred to as only one accumulator layer. We have personally constructed functioning models with as many as 33 layers. After 30-33 layers they start to work differently.

Refer to Figure 1.
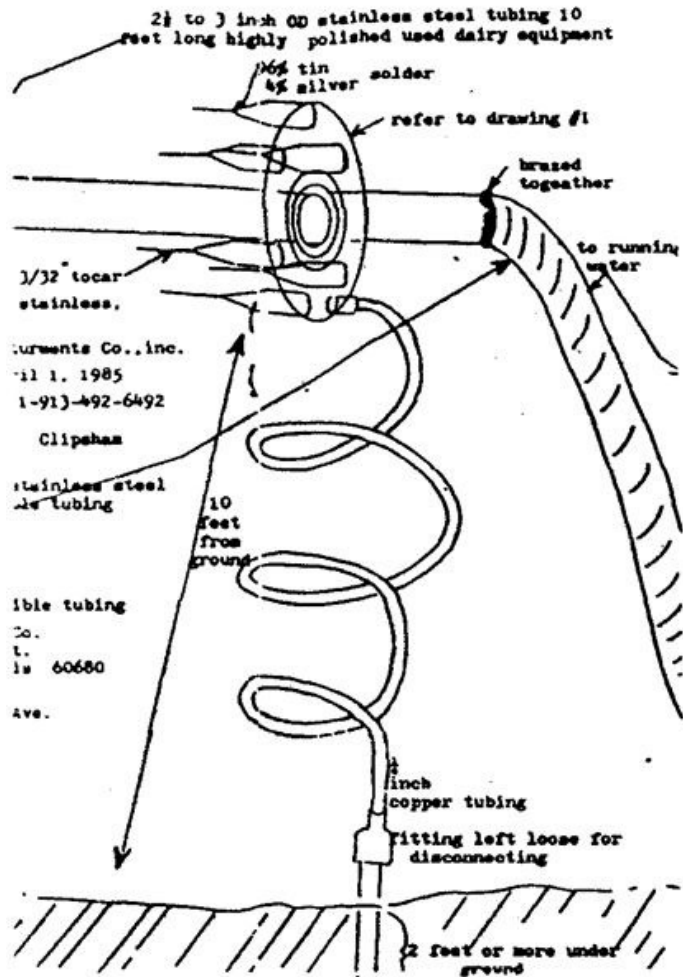
Figure 1 ~

FIGURE 1.
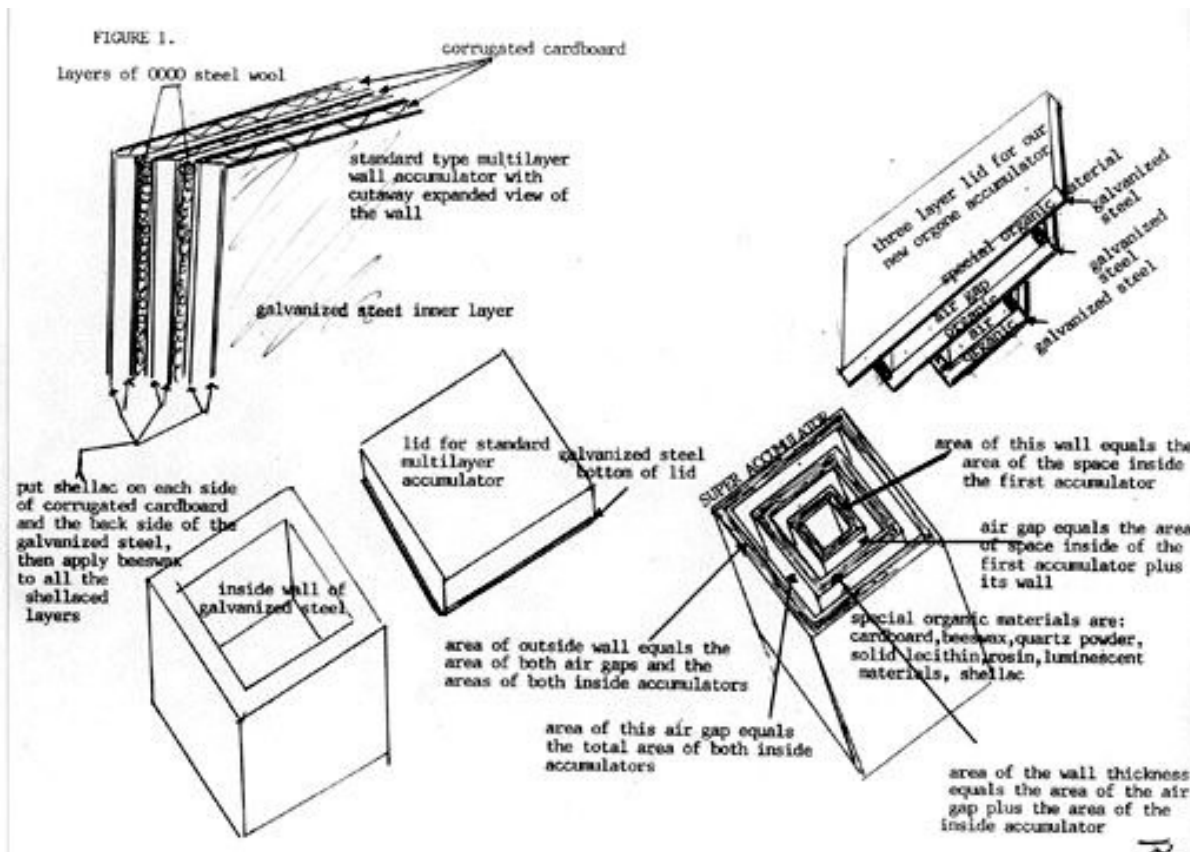
There are two ways that accumulators can be used. Most commonly, specimens such as plants or animals are placed directly inside it. In this case, the box or blanket type is utilized but cylinder shapes also have been used. Another way is to take the enrgy directly out of the accumulator and send it to the specimen itself. This latter method is employed in construction of the chemical ether generator. A typical approach in its construction is to make a 5-20 layer orgone accumulator, making a small hole through all the layers. A small flexible tube can then be inserted directly inside, thereby drawing out the orgone energy from the multiplayer box. This tube is then aimed right at the specimen. Most of the time a metal cone is connected to the outside end of the metal tube. Both tube and cone should be coated with a good flexible organic insulator to prevent orgone energy from escaping from the sides. This particular coating then creates a long, one-layer cylinder-type Orgone ACCUmulator (oraccu). Refer to Fig. 2.
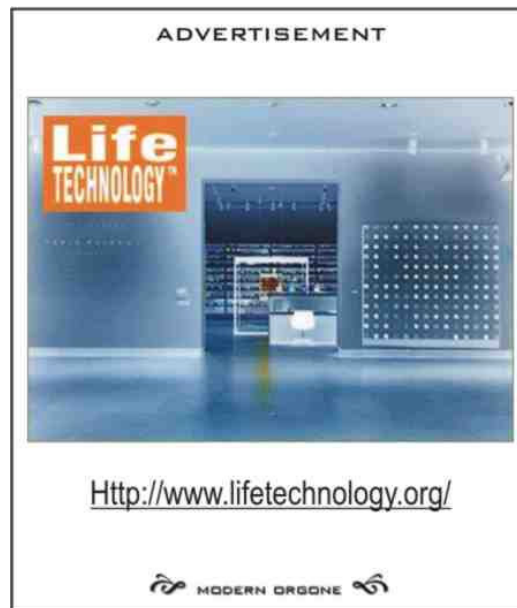
Figure 2 / Figure 3 ~

In "The Cancer Biopathy", Dr Reich describes his research showing that higher temperatures of 0.2 to
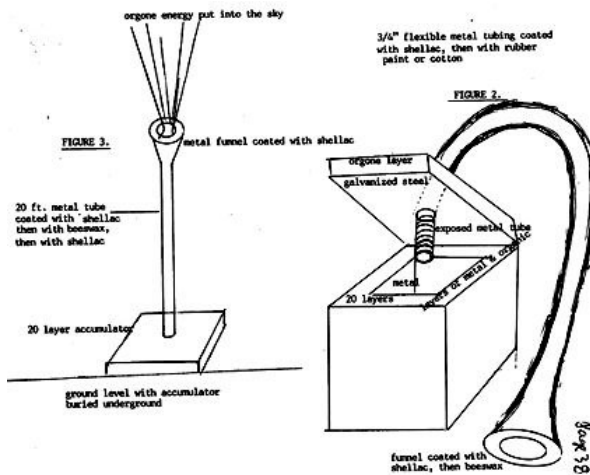
0.5 degrees occurred inside his accumulators versus the room temperature. These particular accumulators were tested inside a building. Similarly, accumulators put directly on the ground showed temperature increases of +2 to +5 C. On summer days with a strong sun, temperature differences of +20 were not uncommon. The important concept to understand is that the effect is 5-50 times greater in an outdoor accumulator placed into the ground versus one indoors. At this point, try to imagine a hollow tube connected to the top of this underground accumulator with a cone placed open-ended at the tube's end so it's not blocked. An open ended galvanized steel funnel will work well. Insulate both tube and cone, as previously described. Instead of directing orgone energy to a specimen, aim it directly upward to the sky. Refer to Fig. 3.

If you were to construct the 10-ply oraccu as described in DeMeo's book, burying it in the ground and pointing its funnel to the sky, the results may not be as promising since most of the energy is meant to stay within the box. To get the energy up to cloud level, its tube would have to be 10-100 ft long to add enough orgone to the sky to make it useful for increasing the probability of rain.

Another problem with an underground oraccu is the need to make them waterproof, for the stainless steel wool will rust, and if the organic material gets wet, the oraccu will cease to function altogether. Fiberglass seems to be the least affected by humidity.

The construction of the chemical ether generator is pictured in Fig. 4. We soldered three 6" diameter steel furnace pipes to create a total length of 66". A 6" copper half-sphere (bowl) then was brazed/soldered to one end of the tube. See Fig. 4A. Next, we applied 10 coats of shellac over the entire outside of both the tube and bowl. A coating of ¼-1/2" beeswax was then applied to the sphere only and 24" up the sides of the tube. See Fig. 4B.

Figure 4 / 4A /4B
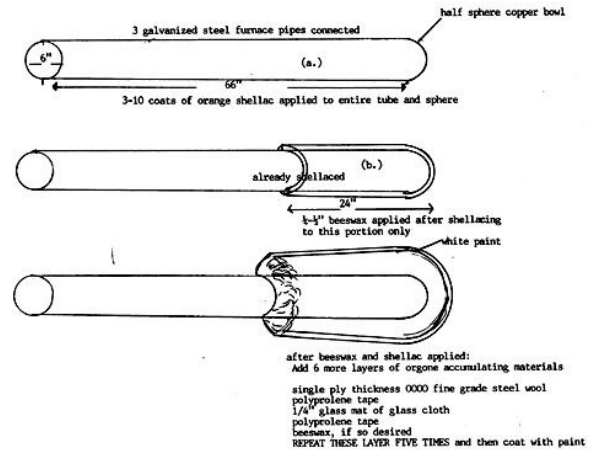
After drying, we added six more layers of oraccu layers to the beeswax area only. The first layer was fine steel wool (Figs. 4C and 5). It was secured with polypropylene tape. Next we wrapped ¼" of fiberglass and secured this with polypropylene tape. At this stage, if so desired, you can apply a thin layer of unrefined melted beeswax. Now the entire tube is coated with paint to prevent weathering and protect it from rain. An application of titanium oxide enamel paint is recommended.

Figure 4C / Fig. 5
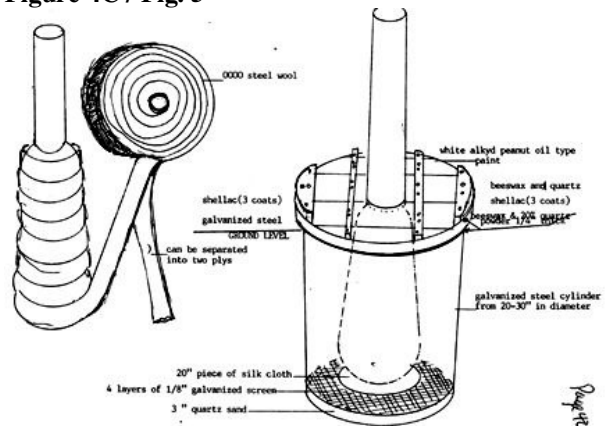
Next, dig a hole in the ground deep enough to accommodate the end of the tube and the following materials. Pour a layer of 3" of white quartz sand followed by four layers of galvanized steel screen (1/8" mesh). Then a 20" piece of silk cloth is placed on the top. The tube rests on this base and the coated portion sits just above the soil line. The diameter of the hole is 24" so that a galvanized steel cylinder will just fit into the hole. It has a protective lid of pine wood with a hole in the center to allow it to fit over the tube. The lid is 28" wide. Both sides are coated with 3 layers of a mixture of shellac and beeswax containing 5% Calcium Silicate, 10% micronized silica, and 85% beeswax. The side of the steel cylinder that contacts the lid is coated with two layers of shellac. The rest of the cylinder is not coated and should be kept clean. The top of the lid is coated with three layers of shellac followed by three layers of titanium oxide paint (peanut oil base).

Before setting the device into the ground, place a steel cap over the end. Never remove it until just before using the device; use a wooden pole about 10 ft long. For safety it is recommended to stay at least 20 ft away.

This device is capable of giving the sky enough orgone to affect a 3-mile radius within hours of its operation. Coupled with use of the new breed of cloudbusters we can remove the DOR and restore the earth and sky to health.

Note that to make the beeswax mixture stronger and more balanced, the following may be added: 0.2 grams of Biodynamic Formula #501 and 0.01 grams of diamond dust. Up to 22 grams of micronized silica has been tried with good results to further accumulate orgone.

There are some important concepts to understand when working with these energies. For instance, Nature does not just plant a forest, allowing it to grow to full size in a few weeks and then suddenly remove it. Likewise, people should not point cloudbusters at the sky to draw out energy and then remove it in less than two weeks. Cloubusters cannot be used in such a manner without throwing Nature out of balance.

Never point this chemical ether generator toward a storm because this can dam up the orgone and cause very violent weather, even creating a "tidal wave" action somewhere else in the sky. The safest way is to point it vertically straight upward. When the total system is in operation, the energy field should look like Picture #2 and #4 as well as the effect created when lightning approaches the generator similar to the diagrams in Fig. 8, 9, and 10 (termed Lightning # 1,2,3, and 4). On the first day of successful operation one will feel as though an ocean breeze has just come in to cool the land. If you have moved too fast and overdone it, you will feels as if you are underwater. Sounds will also be very intense. These signs indicate that your generator is too powerful; fewer layers should be used in the construction of the oraccu...

There are devices available which can be used when working with the different energies described. You should build a Vitic, which we have used when becoming overcharged with both orgone and DOR. A cold shower also is recommended, followed by use of an Eeman screen and the Vitic; it is the most effective way we have found to reduce the chance of harm from excess orgone, oranur, or DOR. Information on the construction of Eeman screens and the Vitic are available from Borderland Research.

A firm reminder: When working with orgone remember that it is as dangerous as very high voltage electricity. Even an expert can be injured or killed by this force, even when doing everything correctly.

I have decided to make this information available only because no other qualified person made it available to a planet which needs it so badly. Another reason is that there are people using 1-ft diameter metal drain pipes up to 100 ft long and trying to make rain, as well as other types of devices which could harm people. Many of these people have no idea of what they are doing and are causing more harm than good (such as pointing the device in the wrong direction at the wrong time, which can actually create drought conditions).
Even our system has the potential of removing too much orgone energy from the soil and adding too much DOR to the immediate area, so it's wise to be careful.

At this time we are trying to make an even more advanced type of cloudbuster containing small glass tubes of sea salt and baking soda encircling the middle portion of it, to be used with a more standard cloudbuster to draw the DOR out and slow the Oranur process by directly combining with DOR to produce and replenish fresh orgone for the planet. We have not yet fully succeeded. We do feel, however, that people should read "Born to be Magnetic" (Vol. 1 and 2) by Frances Nixon. I

believe that these people have found a way to protect areas from Oranur with the use of sea salt and baking soda (sodium bicarbonate). You could try saturated solutions as well as dry powders in your experiments. Try placing one-inch (or smaller) diameter tubes (2-3 ft long) in running water or buckets of water which should be replaced daily to assist in the removal of DOR and Oranur.

My hope is that by making this information available to the public that it will help to alleviate further destruction of our planet and perhaps save lives.

Since this research was started in 1972 and has been done only in our area, there is no guarantee that anything published here will work as stated since the energies were different and higher then...
Some General Rules for Using Cloudbusters with Needles Attached: This information will be helpful for all ether energy-controlling devices. If you want to make rain, you have to take energy from the West, then move toward the North and stop at NorthEast to cool and condense the water. A cloudbuster in the drawing mode (they do not always draw) moving from West to East in a North direction will tend to make rain. Many other things have to be taken into account, but I am only trying to help you use the ancient chart of Fire, Air, Water and Earth:

Picture # 5
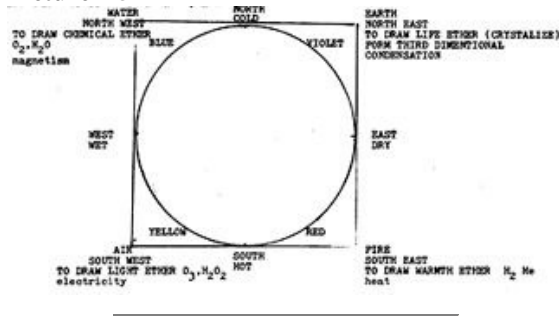
Top ~
Courtesy Rex Research

Dowsing and Radiesthesia

A Preliminary Study of the "Life-Energy" associated with Orgonite and Ormus by means of a Quantitative Dowsing Method

Roger Taylor PhD. The Mu, Brook Lane, Albury, Guildford, UK.   e-mail: rogerbt@onetel.com

Abstract
Metal particles set in resin ("Orgonite") behave as a source of the "orgone" energy of Wilhelm Reich. By dowsing the intensity of such energy quantitatively with rods, the following has been shown: this activity of orgonite depends on the sun; it is abrogated by microwaves; it is taken up from orgonite by water and some other materials; ormus (the "white gold" discovered by David Hudson) exhibits a similar energy. It is suggested that the presence of orgone energy is indicative of some kind of quantum coherence within the source.

Introduction
As is well known, Wilhelm Reich identified a form of energy ("Orgone"), which was favourable to life, and is often equated with the "life-energy" in the human body, otherwise traditionally known as chi, prana, etc. He found orgone would accumulate within a box whose walls consisted of alternate layers of metal and organic material, and could then be detected by sensitive persons, or by a variety of physical means. Much more recently, it has been found that by merely incorporating metal particles into a non-conductive matrix (usually synthetic resin) one can make a powerful source of orgone. Such material has been called "Orgonite", and patented by its discoverer, Karl Welz, who makes use of it in his radionic devices[1]. There are now a number of web sites concerned with orgonite. One of these has much interesting research on the technology[2]

As a result of suggestions by James Lyons[3] - a physicist and expert dowser - I have developed an ability to quantitatively dowse the intensity of such energy. What I do is to place the object on the ground (preferably outside on the lawn) and walk towards it holding dowsing rods. These cross at one or more intervals (indicating an "aura" of one or more rings) and then again finally cross over the source. With a tape-measure on the ground, I record the radius of the innermost ring, which I find to be

related to the intensity of the source. All the data to be presented concern this measurement, and are given in inches rather than centimetres.

Ormus is the name now given to a series of extraordinary elementary substances, also known as "White Gold". They are thought to be mainly precious metals, in which the electrons are re-arranged in such a way as to render them non-metallic, chemically non-reactive and possibly super-conductive[4].

Test for quantitative nature of the dowsing method

To study the relationship of the radius of the innermost ring to the quantity of orgone-emitting material, I dowsed measured volumes of an alkaline precipitate from Dead Sea salt - a preparation known to contain ormus. As Fig 1 shows, the relationship is close to linear – though there is necessarily some vagueness with readings close to the source.
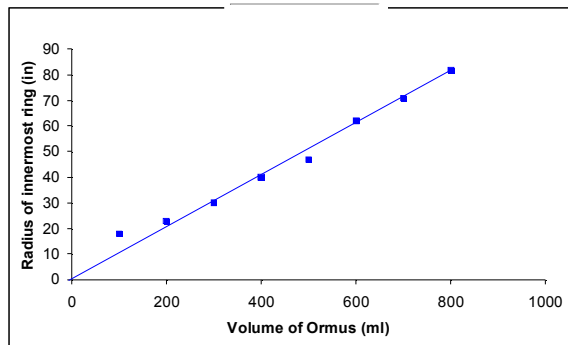
Fig. 1

Relation of weather and time of day

Just as with Reich's orgone accumulator, the energy depends on the weather and the time of day. The time-course for UK obtained in Fig. 2 was on a bright clear day. The readings were much lower in cloudy and especially rainy conditions. For the US, use was made of the facility for non-local transfer between identical symbols. Here I was dowsing the logo downloaded from Karl Welz' web site. As detailed later, it exhibits dowsable energy transferred non-locally from an identical logo, which Karl keeps in one of his orgonite-based devices in the US. As Fig. 2 shows, this reached a maximum at about 18:30, which would correspond to the solar maximum in the eastern states at about 12:30.

Fig. 2
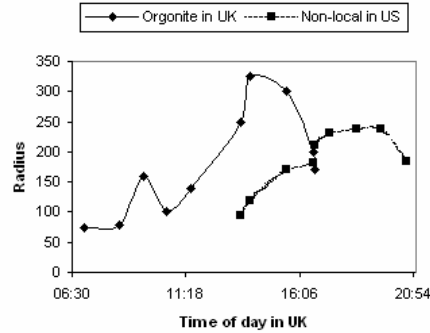
Dowsing various objects

The energy of various objects made of orgonite was investigated. One was bought from Alexandre Emard in Canada, and is a type with which he obtained significantly enhanced growth of plants[5]. Among others which I made myself is a pyramid, made with aluminium alloy turnings, about 30cm high, hollow, and with the same geometry as the very large pyramids recently constructed in Russia[6]. It has a quartz crystal at each of its 5 vertices. On testing the effect of compass orientation, the intensity was found to be some 70% higher with the faces oriented N-S than with the angles N-S. Some orgonite pieces were made with a central hole into which a crystal could be put. While, as others have found[6] the intensity was greatly enhanced by a quartz crystal, it was unexpected (and remarkable) that a crystal of antimony was significantly better than quartz. This finding prompted me to make a piece of orgonite with particles of antimony. This was, on first testing, the most active of all - but see later result.

Shielding

By covering a piece of orgonite with various materials, it was found that 2mm polythene significantly reduced the dowsable field, and a "cold box" insulated with expanded polystyrene completely stopped it. Metals on the other hand had little or no effect – even a heavy cast iron pot.

Charging various materials under orgonite

Various materials were placed under orgonite to see whether they picked up the charge. Not surprisingly, quartz took it up very well, as did quartz-containing minerals such as granite and sand. Most metals (iron, aluminium, and brass were tested) took up the charge very rapidly (in seconds), and then retained it for only about a minute. Most other materials were unaffected. Of a number of crystalline chemicals tested, sugar took up some activity, as did Epsom salts, possibly due their high water of crystallization. Remarkable, and unexpected, was the high uptake by antimony. Bismuth, on the other hand, though very similar to

antimony (e.g. both are highly diamagnetic) did not take up any detectable charge.

A further strange property of antimony became evident a few weeks later, when the orgonite containing antimony was re-tested. Surprisingly, it was completely inactive. During this time, another piece of orgonite, previously shown to be active, had had a large crystal of antimony merely lying in contact – not even in the hole in the bottom. But this also was found, after removing the antimony, to be inactive, and remained so when tested again five days later. Now however, after a further month, its activity has been regained.

Charging water with orgone or orgonite
For taking up this charge, at least as good, or better, than quartz and antimony was water - which of course is well-known to be capable of storing information, as in homeopathy. This was further investigated as shown in Table 1. The orgonite pyramid was at least twice as strong as an orgone accumulator of the type used by Reich. The latter should have been optimal, as it as was built according to instructions of James DeMeo[7]. (In other experiments, I have confirmed Reich's "temperature effect" in finding slightly but consistently higher temperature in this accumulator, compared to a control box without metal). The charging under the orgonite pyramid reached maximum in a little over 30 min. Most surprising is that the water retained its charge, even after boiling, and further microwaving to boiling point.

Table 1

Source	Time	Radius
Orgone accumulator	48h	49
Orgonite pyramid	48h	107
Smaller orgonite	0 min	0
	15 min	27
	38 min	72
	105 min	81
	1440 min	85
	Boiled	95
	Microwave boiled	95

Non-local transfer of dowsable energy
Karl Welz puts on his web site a logo, which is an identical copy of one which has been printed and placed close to the orgonite block of one of his devices in his place in the US. He invites one to download this and feel the energy. While I could not feel anything, I could dowse it easily enough. In further tests I made a random "glyph" in black ink, copied it and put one copy under a piece of orgonite, and dowsed the other at some 30 metres distant. The transfer of dowsable energy was obvious (Table 2). On dowsing some other images, it was clear that, as Welz maintains, the intensity of transfer depends on the degree of similarity of the two images. It also depends on the "uniqueness" of the pair of images, because the energy becomes diluted if it finds any similar structures in the rest of the world - or the universe presumably. Searching for unique images, I found one which performed particularly well ("orb").

Table 2

Image under orgonite	Image dowsed	Radius
Glyph	Identical glyph	64
Glyph	Similar glyph	59
Glyph	Black square	32
Glyph	5 green spots	0
Glyph	Orb	0
Orb	Orb	85
Orb (+10 copies)	Orb	40
Orb (copies burnt)	Orb	70

With the existence of many copies, at another location some 30m distant, an image will be less unique. This was confirmed in the last two lines of the table.

In radionics one frequently makes use of a clip of hair from the individual being treated: the "witness". This will have something of the unique signature of that individual. Accordingly I cut two samples of my hair, and compared the transfer between them (radius 70) with the transfer from my hair to that of another man (radius 42).

Effect of microwaves on orgonite
Several web sites report placing pieces of this material (often now called "Holy Hand Grenades" – a term derived from the Monty Python show) close to microwave masts, because it is thought (but apparently without objective evidence) that they might neutralise the unhealthy influence of these masts – or even convert the "bad" microwave energy into a more healthy variety[8]. As a source of microwaves I used the base-station of my cordless phone. (I have experienced the effects of this on myself for some time, in the form of daily

headaches – until I replaced it with a German make that shuts off the emission as soon as the handset is returned to the base-station). I found that, when the source of microwaves was close to the orgonite, I could not dowse the usual influence from it. Thinking this might be due to the microwaves upsetting my ability to dowse, I put the base-station close to me, and distant from the orgonite. Now the usual rings could be dowsed, showing conclusively that the microwaves were acting directly on the orgonite, to shut off its dowsable influence. In addition it was clear, by turning the phone on and off that, unlike the influence of antimony, the influence of microwaves was temporary: the orgonite field recovered immediately – even after leaving the phone on for 30 min.

Dowsing torsion field

I have had for some years a small torsion field generator, which I obtained from Alexander Shpilman[9]. In a preliminary test it dowsed very strongly and, in contrast to the field from orgonite, the effects of this persisted in the local environment, being still detectable even one week after switching off and removing the device.

Quantum tunnelling of ormus

The ormus used here was an alkaline precipitate from Dead Sea salt, the bulk of which is probably magnesium hydroxide. Significantly the original Dead Sea salt showed no dowsable activity. The fact that ormus could be dowsed in this way offered a possibility to test for its claimed ability to "quantum tunnel" through a solid barrier. Two concentric containers of thin-walled PVC were set up, with a central tube containing neodymium magnets separated by plastic spacers. The intention was that if ormus atoms were superconductive, they should flee the magnets and pass through the wall of the inner container into the outer. In the outer container was put a half-saturated solution of sodium chloride. Since ormus is attracted to alkali metals it was hoped that this would prevent it being lost altogether to the outside. Having put the magnets in, I poured out the contents of each container at intervals, dowsed them, and poured them back. During the first afternoon the reading from the inner containers declined steadily, but nothing appeared in the outer container. But it did appear on the second day, and by the third day all the activity was found to be in the outer container. The apparent delay between loss of dowsable material from the inner container and its appearance in the outer suggests that it got held up temporarily while passing through the intervening plastic wall (Table 4).

Table 4
Radius

Date	Time	Inner	Outer
4.6.07	13:21	125	0
14:30		107	0
	16:34	67	0
	18:20	40	0
4.27.07	14:30	25	115
4.28.07	09:30	0	110

Conclusions

It needs first of all to be emphasized that, as a method, dowsing can never be fully objective. Furthermore, since different dowsers may respond to different aspects of any particular experimental situation, they would not all necessarily confirm these results. Nevertheless, I hope in due course to obtain independent verification by at least one other dowser. A caveat must also be made about the nature of the "energies" which I detect. The mere fact of their being dowsable by me, in these various experimental situations, does not necessarily mean that they all reflect the same physical reality.

Following again a suggestion by James Lyons[2], I looked at the theory of Milo Wolff[10]. He proposes that there is no such thing as a particle. Thus an electron is a standing wave in the ether, as in Fig. 3.

Fig. 3

Spherical standing wave
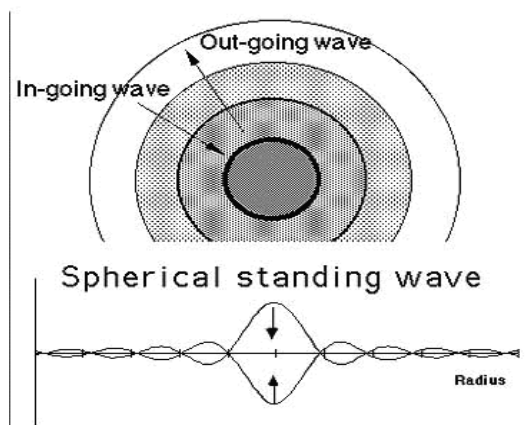
Waves go out from the centre, and reflect back again from the rest of the universe. Such a wave-system is totally coherent, in that there is no space within it, no way in which any "here" or "there" could be defined. This is exactly the condition which obtains, on a much larger scale, in man-made coherent systems such as within a superconductor, or a laser. Here all the "particles", whether electrons or atoms, behave as one. It has long been argued that a living being is also a centre of such

quantum coherence, and this accounts for its unitary nature, and holistic properties[11].

Superconductivity is one of the unusual properties attributed to ormus[3], or at least to some types of ormus, and thought to account for certain extraordinary observations. One of these is the appearance of drops of fluid, containing ormus, on the outside of closed containers. This could only happen, it is suggested, if the ormus atoms were quantum-tunneling their way out, and carrying a little water with them. The results obtained here support this suggestion. Here, we may note that dowsable energy was not present in the original Dead Sea salt. Thus the procedure of alkaline precipitation may be bringing the ormus atoms into a collective state of coherence.

It is proposed here that orgonite can also take up some sort of coherence. Here I am borrowing the suggestion of James Lyons[2] that electron clusters[12] may somehow be formed at the juncture of metal and resin. While, as fermions, electrons normally behave as separate individuals, it is when they get together in "Cooper pairs" that they become bosons, and so become able to merge their individuality into the kind of large-scale quantum coherence seen in a superconductor. But electrons can also get together in much larger clusters, of more than 1,000. Since these clusters are also bosons, we would have the potential for large-scale quantum coherence within orgonite. One might imagine that the metal particles form a system of oscillating dipoles which could, through the medium of electron clusters, self-organize into a coherent state. There is clearly a relation between the power of the sun and the intensity of dowsable energy from orgonite. Just what element from within the sun's radiation is responsible is a matter for speculation, but the failure of metal to block it suggests it is not electromagnetic. This, together with my finding of only brief retention of the energy by metals, also agrees with Reich's contention that orgone is "attracted then repelled" by metals, but is absorbed by organic materials.

Of great interest are the effects of influences which inhibit the dowsable field from orgonite. In the case of microwaves one might begin to understand how microwaves could disrupt an electrical coherence. But since the basic structure of the orgonite would remain intact, one would expect its coherent field to be re-established very soon after removal of the source of microwaves. Much stranger, therefore, is the effect of antimony. This can hardly be chemical, so how could it be so long-lasting?

Although both are "subtle energy" fields (in the sense of not being electromagnetically detectable) the torsion field and the field from orgonite are clearly quite different. As has been shown by others [9,13], torsion fields can leave a persistent trace. On the other hand the dowsable field from orgonite gave no evidence of persistence – at least in the situation here employed, that is on a background of grass-covered earth. But, considering the ability of quartz to take up the energy, one might expect a sandy ground to show some persistence.

The property of quantum-coherence may be regarded as a sine qua non for life[11]. It is this which enables a living being to defy the second law of thermodynamics. Thus it is that orgonite, and also Reich's orgone accumulator, may indeed be regarded as producing "life-energy". The quantum coherent field from orgonite may be seen as an anti-entropic influence, favoring increased complexity and higher levels of integration. This field from orgonite is not only dowsable, but many people can sense it with the hands, and some even see it. In this it is exactly analogous to the human aura. It is this life-enhancing property which makes orgonite such an exciting material to work with. Already there are several groups who distribute Holy Hand Grenades in various places, and make claims that the local environment improves as a result[8]. And, when cast into lakes, they are said to clear up the pollution. The same life-energy may very well be what is produced by the giant pyramids, which have recently been built in Russia[5]. In addition to some well-authenticated results on increased growth of plants, and increased resistance of mice to bacterial infection and cancer, some beneficial effects on the ecology surrounding some of the pyramids have been noted. Thus they may be restoring the complexity of the whole ecosystem - a result only to be expected if one considers the ecosystem itself as a living organism.

7. The Orgone Accumulator Handbook. Natural Energy Works, 1989. ISBN 0-9621855-07
8. http://www.cloud-busters.com/
9. http://www.pmicro.kz/~ufl/ALMANACH/AxionA.htm
10. http://quantummatter.com/
11. The Rainbow and the Worm by Dr Mae-Wan Ho. 2nd Ed. 1998. World Scientific. ISBN 981-02-3427-9.
12. http://www.svn.net/krscfs/Charge%20Clusters%20In%20Action.pdf
13. http://www.rialian.com/rnboyd/dna-phantom.htm.

Copyright© Roger Taylor Sep 2007

QUALITY DOWSING TOOLS FOR THE PROS AND THE BEGINNERS

Featuring Pendulums developed and created by **Jozef Baj** of Warsaw, Poland, highly regarded expert in the broad field of radiesthesia, recognized around the world for creating pendulums that show very strong and symmetric aura, and much more!

http://www.diviningmind.com/index.html

Addendum by James Lyons
The latest research is indicating that the nodal harmonic structure of standing waves in the quantum vacuum can readily be detected using a mental technique of intention usually combined with some indicting device such as hand held L-rods. Every object creates its own standing wave pattern in this field, which is discernible by dowsers. Isolated objects induce rings surrounding themselves much like a snapshot of waves generated by a pebble thrown into a pond. The structure of these rings is very stable and well known to experienced dowsers. This process offers a repeatable technique enabling dowsers to assess the inherent energy density embedded in any object. Ring (nodal) radius around an object is directly proportional to its embedded energy density.
Copyright© James Lyons 2007

Courtesy Keelynet TOC
02/07/07 - NASA May Have to Buy Trips to Space ”Budget cuts could leave NASA without a Space Shuttle replacement, and leave it reliant on private firms to get payloads into space. A similar scenario happened between 1975 and 1981 when NASA made the transition from Apollo to the Space Shuttle. It seems like a strange state of affairs

when a magazine can take people to space, but the USA can't.”
Courtesy Keelynet

Courtesy Keelynet TOC
02/05/07 - Want to Take On An Open/Unsolved Problem?

”The accumulation and focusing of knowledge may be the noblest use or purpose of the internet. There are plenty of open or unsolved problems left for this generation. Why not spend some of your time in the dark of this winter working on one of the big problems facing humanity? 0pen problems exists in almost every field of study. Wikipedia maintains a small list of them and at least one international group called the Union of International Associations maintains a database of open problems.”
Courtesy Keelynet

Got Orgone?

Updates on the VOD project TOC
By Alan D Otterson
Edited by Jon Logan

What it Is
Note- In 2005, Alan contacted me with some information about an orgone device he was working on called the VOD / Vibrational Orgone Device. While some details are difficult to make out from the instructions, studying the pictures helps, and the general idea intrigues me.
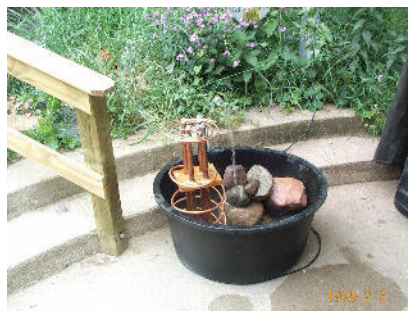
The VOD device is reminiscent of a chembuster, with the difference that a resonating coil is added to the ends of the pipes, and the crystals are moved up to the tops of the pipes, rather than the base. His idea was that the coil and base would set up an oscillation between the base casting of orgonite and

the coil on the device's top. This oscillation would then act to stimulate the device overall, processing orgone energy in the vicinity as it did so.

Since then, Alan has made another similar device which he calls the Harpooner and which employs a set of counter-wound tubing coils as the pipes, with (what seems to me) an inductor placed in each of the tubing coils. Both designs are intriguing to me in that they employ the basic concepts inherent to the chembuster design, but with an added effort to work with the pipes' resonant characteristics, going beyond the basic chembuster design parameters which are arguably more based in fluidics. Normally, the chembuster or the cloudbuster uses the pipes to channel a flow of orgone, as if it were a gas or a fluid. But with these two design ideas, it would seem that the flow of energy through the pipes would be cyclical – a large portion of the energy 'flowing' through the pipes would be redirected to flow through the pipes again - in a repeating pattern. This suggests that the device would emit waves in time with the internal oscillations, and therefore have a relatively large energetic impact on it's surroundings in proportion to it's physical size (which is quite small in comparison with a chembuster or cloudbuster). It also suggests that the device may have applications in broadcasting radionic trends over an area, approximating the strength of electrically powered radionics output modules with a self-powered device.

Alan has a blog which you can visit at http://supercoil.blogspot.com/ for more information on his experiments, or to contact him.

Two years later, Alan says that the local wildlife shows increased activity in the region where the device is installed, and that the device has had a beneficial impact on the water in a small fountain adjacent the VOD.

The VOD was included in issue 1 of Modern Orgone, and in that issue Alan commented that he made a paste of headache pain pills and applied this base in a thin layer to the base of the VOD, noticing a reduction in the severe headaches which he and his wife had endured.

Later, Alan integrated the VOD with a small water fountain (coiled pipe around the outside of the VID is visibly spraying water if you look close at some of the photos).

Myself, I have not had the free time to construct either of these devices, but intend to when time permits. An interesting concept to explore IMO - Editor

The VOD
By Alan D Otterson

The VOD (Vibrational Orgonite Device) is a means of cleansing the skies of Chemtrails and to return micro climates back to normal patterns.

The VOD uses vibrations to stimulate the Orgone energy (discovered by Wilhelm Reich).

The large SBB coil acts like a harmonic vibrator as in a musical instrument. The four copper pipes act as a coupler from the coil to the Orgonite base. The energy is then transferred back up through the four copper pipes and out through the Crystals and the Genesa Crystal.

The water coil that goes around the Four VOD copper tubes act as a Vortex (a la Viktor Schauberger) Generator in addition to the circulating pond pumps.

The Orgonite base is made from a pour of Resin, Crystals, and other ingredients.

How to Make it
Instructions for building the VOD Vibrational Orgone device.

Items needed for making the VOD:

4 x 3'4" Copper Pipes, each 24" long
4 to 6 " square plywood or wood
Aluminum   shavings
Quartz Crystals
Pyrite
BB's
3'8"   flexible   Copper   Tubing
Polyester Resin + hardener

Make a large SBB coil out of the 3/8" copper coil tubing. Solder the four 24" long Copper pipes to the SBB coil as shown in the photos.

In a small wooden block (4-6" square), drill four 7/8" holes. The holes should be spaced appropriately to fit over the pipes, and hold the pipes in position.

Make a Small SBB coil, and fit it around a Quartz crystal. You will need 4 of these.

XTREMEMIND

A small pail is used for the mold. Spray the inside of the pail with Pam cooking oil or WD-40 if you wish to remove the pail afterwards.

Mix the resin according to instructions and pour a little into the pail, then start adding the crystals and metal shavings in layers as you continue to pour the resin (to whatever thickness you wish).Save a few crystals to place into the top layer as it starts to cure.

After it hardens, place the four coiled quartz crystals in the top of the four copper pipes and its done.

Remember, throughout the process you must use your intent and payers to program the creation to make it work. No guarantees are made; each person might get different Results. Intent is a big part of the success of this device.

"If people behaved like governments, you'd call the cops."

- Kelvin Throop

The Harpooner

To make the HAARPOONER, You need to make two coils.

The Beehive coil is made from 3/8" ID flexible copper refrigerator tubing. Bend the coil into the shape of half of a beehive. Use Clockwise turns.

The coil that goes in the inside of the beehive coil is made from 3/8" OD flexible copper refrigerator tubing. This coil is bent counter clockwise.

Insert the smaller coil into the larger beehive coil. Connect the two coils by a large sleeve and solder the sleeve, or solder the two coils directly together. At this point, it should look like this:

Start by making a large SBB coil that is 20.6" Long (Sacred Geometry discovered by Slim Spurling.)

http://www.physorg.com/
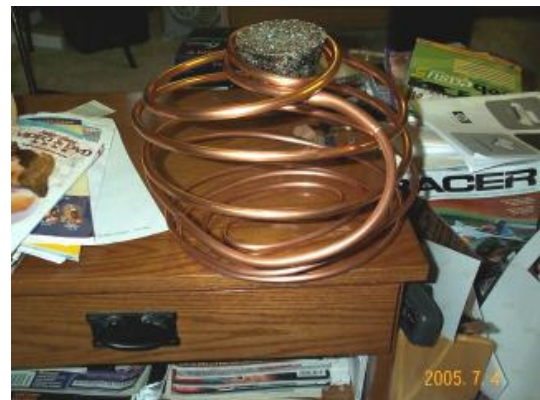
Use a small coffee can for the inner coil pour if desired and pour the base in 2 steps (one for each of the tubing coils), or use a larger container for the mold and do one pour for the whole base.

Make two large (Texas) muffin – sized orgonite castings, using underlined activated charcoal in the mix, along with the other ingredients used in the base.
One muffin is placed in the small coil, and the other is placed in the large outer coil.

Place the Smaller coil inside / on top of the larger coil and you're done.
©Alan D Otterson 2005/2007

For more info or to check for updates, visit http://supercoil.blogspot.com/ and look for Alan's 'Atomicoil' to be presented in the next issue of Modern Orgone.

Note to self
(From an Aussie)

Be sure and cancel your credit cards before you die!
This is so priceless and so easy to see happening - customer service,
being what it is today!

A lady died this past January, and ANZ bank billed her for February and March for their annual service charges on her credit card, and then added late fees and interest on the monthly charge. The balance had been $0.00, now is somewhere around $60.00.

A family member placed a call to ANZ:

Family Member: "I am calling to tell you that she died in January."
ANZ: "The account was never closed and the late fees and charges still apply."
Family Member: "Maybe, you should turn it over to collections."
ANZ: "Since it is two months past due, it already has been."
Family Member: So, what will they do when they find out she is dead?"
ANZ: "Either report her account to the frauds division or report her to the
credit bureau, maybe both!"
Family Member: "Do you think God will be mad at her?"
ANZ: "Excuse me?"
Family Member: "Did you just get what I was telling you . . . the part about her being dead?"
ANZ: "Sir, you'll have to speak to my supervisor."
Supervisor gets on the phone:
Family Member: "I'm calling to tell you, she died in January."
ANZ: "The account was never closed and the late fees and charges still apply."
Family Member: "You mean you want to collect from her estate?"
ANZ: (Stammer) "Are you her lawyer?"
Family Member: "No, I'm her great nephew." (Lawyer info given)
ANZ: "Could you fax us a certificate of death?"
Family Member: "Sure." (fax number is given)
After they get the fax:
ANZ: "Our system just isn't set up for death. I don't know what more I can do to help."
Family Member: "Well, if you figure it out, great! If not, you could just keep billing her. I don't think she will care."
ANZ: "Well, the late fees and charges do still apply."
Family Member: "Would you like her new billing address?"
ANZ: "That might help."
Family Member: "Rookwood Memorial Cemetery, 1249 Centenary Rd, Sydney Plot Number 69."
ANZ: "Sir, that's a cemetery!"
Family Member: "What do you do with dead people on your planet?"

-----Courtesy RaveOn-----

Orgone helps flowers grow

Exactly 24 hours after installing the Genesa Crystal This Gold Finch Roosted on it.

Animals love Orgone

Animals Drink and Bathe In the Orgonized Water, Plants and Trees also benefit

Orgone Water Makes the Birds Sing!

I've added a Genesa Crystal to the VOD Fountain. Wow, What Energy!

Politics of Free Will

Had Enough?
By Lee Iacocca with Catherine Whitney

Forward Courtesy Janis Dolnick and Sean Sands

Am I the only guy in this country who's fed up with what's happening? Where the hell is our outrage? We should be screaming bloody murder. We've got a gang of clueless bozos steering our ship of state right over a cliff, we've got corporate gangsters stealing us blind, and we can't even clean up after a hurricane much less build a hybrid car. But instead of getting mad, everyone sits around and nods their heads when the politicians say, "Stay the course."
Stay the course? You've got to be kidding. This is America, not the damned Titanic. I'll give you a sound bite: Throw the bums out!

You might think I'm getting senile, that I've gone off my rocker, and maybe I have. But someone has to speak up. I hardly recognize this country anymore. The President of the United States is given a free pass to ignore the Constitution, tap our phones, and lead us to war on a pack of lies. Congress responds to record deficits by passing a huge tax cut for the wealthy (thanks, but I don't need it). The most famous business leaders are not the innovators but the guys in handcuffs. While we're fiddling in Iraq, the Middle East is burning and nobody seems to know what to do. And the press is waving pom-poms instead of asking hard questions. That's not the promise of America my parents and yours traveled across the ocean for. I've had enough. How about you?

I'll go a step further. You can't call yourself a patriot if you're not outraged. This is a fight I'm ready and willing to have.

My friends tell me to calm down. They say, "Lee, you're eighty-two years old. Leave the rage to the young people." I'd love to as soon as I can pry them away from their iPods for five seconds and get them to pay attention. I'm going to speak up because it's my patriotic duty. I think people will listen to me. They say I have a reputation as a straight shooter. So I'll tell you how I see it, and it's not pretty, but at least it's real. I'm hoping to strike a nerve in those young folks who say they don't

vote because they don't trust politicians to represent their interests. Hey, America, wake up. These guys work for us.

Who Are These Guys, Anyway?
Why are we in this mess? How did we end up with this crowd in Washington? Well, we voted for them, at least some of us did. But I'll tell you what we didn't do. We didn't agree to suspend the Constitution. We didn't agree to stop asking questions or demanding answers. Some of us are sick and tired of people who call free speech treason. Where I come from that's a dictatorship, not a democracy.

And don't tell me it's all the fault of right-wing Republicans or liberal Democrats. That's an intellectually lazy argument, and it's part of the reason we're in this stew. We're not just a nation of factions. We're a people. We share common principles and ideals. And we rise and fall together. Where are the voices of leaders who can inspire us to action and make us stand taller? What happened to the strong and resolute party of Lincoln? What happened to the courageous, populist party of FDR and Truman? There was a time in this country when the voices of great leaders lifted us up and made us want to do better. Where have all the leaders gone?
The Test of a Leader

I've never been Commander in Chief, but I've been a CEO. I understand a few things about leadership at the top. I've figured out nine points-not ten (I don't want people accusing me of thinking I'm Moses). I call them the "Nine Cs of Leadership." They're not fancy or complicated. Just clear, obvious qualities that every true leader should have. We should look at how the current administration stacks up. Like it or not, this crew is going to be around until January 2009. Maybe we can learn something before we go to the polls in 2008. Then let's be sure we use the leadership test to screen the candidates who say they want to run the country. It's up to us to choose wisely.

So, here's my C list:
A leader has to show CURIOSITY. He has to listen to people outside of the "Yes, sir" crowd in his inner circle. He has to read voraciously, because the world is a big, complicated place. George W. Bush brags about never reading a newspaper. "I just scan the headlines," he says. Am I hearing this right? He's the President of the United States and he never reads a news-paper? Thomas Jefferson once said, "Were it left to me to decide whether we should have a government without news-papers, or

newspapers without a government, I should not hesitate for a moment to prefer the latter." Bush disagrees. As long as he gets his daily hour in the gym, with Fox News piped through the sound system, he's ready to go.

If a leader never steps outside his comfort zone to hear different ideas, he grows stale. If he doesn't put his beliefs to the test, how does he know he's right? The inability to listen is a form of arrogance. It means either you think you already know it all, or you just don't care. Before the 2006 election, George Bush made a big point of saying he didn't listen to the polls. Yeah, that's what they all say when the polls stink. But maybe he should have listened, because 70 percent of the people were saying he was on the wrong track. It took a "thumping" on election day to wake him up, but even then you got the feeling he wasn't listening so much as he was calculating how to do a better job of convincing everyone he was right.

A leader has to be CREATIVE, go out on a limb, be willing to try something different. You know, think outside the box. George Bush prides himself on never changing, even as the world around him is spinning out of control. God forbid someone should accuse him of flip-flopping. There's a disturbingly messianic fervor to his certainty. Senator Joe Biden recalled a conversation he had with Bush a few months after our troops marched into Baghdad. Joe was in the Oval Office outlining his concerns to the President – the explosive mix of Shiite and Sunni, the disbanded Iraqi army, the problems securing the oil fields. "The President was serene," Joe recalled. "He told me he was sure that we were on the right course and that all would be well. 'Mr. President,' I finally said, 'how can you be so sure when you don't yet know all the facts?'" Bush then reached over and put a steadying hand on Joe's shoulder. "My instincts," he said. "my instincts." Joe was flabbergasted. He told Bush, "Mr. President, your instincts aren't good enough." Joe Biden sure didn't think the matter was settled. And, as we all know now, it wasn't.

Leadership is all about managing change whether you're leading a company or leading a country. Things change, and you get creative. You adapt. Maybe Bush was absent the day they covered that at Harvard Business School.

A leader has to COMMUNICATE. I'm not talking about running off at the mouth or spouting sound bites. I'm talking about facing reality and telling the truth. Nobody in the current administration seems to know how to talk straight anymore. Instead, they spend most of their time trying to convince us that things are not really as bad as they seem. I don't know if it's denial or dishonesty, but it can start to drive you crazy after a while. Communication has to start with telling the truth, even when it's painful. The war in Iraq has been, among other things, a grand failure of communication. Bush is like the boy who didn't cry wolf when the wolf was at the door. After years of being told that all is well, even as the casualties and chaos mount, we've stopped listening to him.

A leader has to be a person of CHARACTER. That means knowing the difference between right and wrong and having the guts to do the right thing. Abraham Lincoln once said, "If you want to test a man's character, give him power." George Bush has a lot of power. What does it say about his character? Bush has shown a willingness to take bold action on the world stage because he has the power, but he shows little regard for the grievous consequences. He has sent our troops (not to mention hundreds of thousands of innocent Iraqi citizens) to their deaths for what? To build our oil reserves? To avenge his daddy because Saddam Hussein once tried to have him killed? To show his daddy he's tougher? The motivations behind the war in Iraq are questionable, and the execution of the war has been a disaster. A man of character does not ask a single soldier to die for a failed policy.

A leader must have COURAGE. I'm talking about balls. (That even goes for female leaders.) Swagger isn't courage. Tough talk isn't courage. George Bush comes from a blue-blooded Connecticut family, but he likes to talk like a cowboy. You know, my gun is bigger than your gun. Courage in the twenty-first century doesn't mean posturing and bravado. Courage is a commitment to sit down at the negotiating table and talk.

If you're a politician, courage means taking a position even when you know it will cost you votes. Bush can't even make a public appearance unless the audience has been handpicked and sanitized. He did a series of so-called town hall meetings last year, in auditoriums packed with his most devoted fans. The questions were all softballs.

To be a leader you've got to have CONVICTION—a fire in your belly. You've got to have passion. You've got to really want to get something done. How do you measure fire in the belly? Bush has set the all-time record for number

of vacation days taken by a U.S. President – four hundred and counting. He'd rather clear brush on his ranch than immerse himself in the business of governing. He even told an interviewer that the high point of his presidency so far was catching a seven-and-a-half-pound perch in his hand-stocked lake.

It's no better on Capitol Hill. Congress was in session only ninety-seven days in 2006. That's eleven days less than the record set in 1948, when President Harry Truman coined the term "do-nothing Congress." Most people would expect to be fired if they worked so little and had nothing to show for it. But Congress managed to find the time to vote itself a raise. Now, that's not leadership.

A leader should have CHARISMA. I'm not talking about being flashy. Charisma is the quality that makes people want to follow you. It's the ability to inspire. People follow a leader because they trust him. That's my definition of charisma. Maybe George Bush is a great guy to hang out with at a barbecue or a ball game. But put him at a global summit where the future of our planet is at stake, and he doesn't look very presidential. Those frat-boy pranks and the kidding around he enjoys so much don't go over that well with world leaders. Just ask German Chancellor Angela Merkel, who received an unwelcome shoulder massage from our President at a G-8 Summit. When he came up behind her and started squeezing, I thought she was going to go right through the roof.

A leader has to be COMPETENT. That seems obvious, doesn't it? You've got to know what you're doing. More important than that, you've got to surround yourself with people who know what they're doing. Bush brags about being our first MBA President. Does that make him competent? Well, let's see. Thanks to our first MBA President, we've got the largest deficit in history, Social Security is on life support, and we've run up a half-a-trillion-dollar price tag (so far) in Iraq. And that's just for starters. A leader has to be a problem solver, and the biggest problems we face as a nation seem to be on the back burner.

You can't be a leader if you don't have COMMON SENSE. I call this Charlie Beacham's rule. When I was a young guy just starting out in the car business, one of my first jobs was as Ford's zone manager in Wilkes-Barre, Pennsylvania. My boss was a guy named Charlie Beacham, who was the East Coast regional manager. Charlie was a big Southerner, with a warm drawl, a huge smile, and a core of steel. Charlie used to tell me, "Remember,

Lee, the only thing you've got going for you as a human being is your ability to reason and your common sense. If you don't know a dip of horseshit from a dip of vanilla ice cream, you'll never make it." George Bush doesn't have common sense. He just has a lot of sound bites. You know Mr.they'll-welcome-us-as-liberators-no-child-left-behind-heck-of-a-job-Brownie-mission-accomplished Bush.

Former President Bill Clinton once said, "I grew up in an alcoholic home. I spent half my childhood trying to get into the reality-based world—and I like it here."

I think our current President should visit the real world once in a while.

The Biggest C is Crisis. Leaders are made, not born. Leader-ship is forged in times of crisis. It's easy to sit there with your feet up on the desk and talk theory. Or send someone else's kids off to war when you've never seen a battlefield yourself. It's another thing to lead when your world comes tumbling down.

On September 11, 2001, we needed a strong leader more than any other time in our history. We needed a steady hand to guide us out of the ashes. Where was George Bush? He was reading a story about a pet goat to kids in Florida when he heard about the attacks. He kept sitting there for twenty minutes with a baffled look on his face. It's all on tape. You can see it for yourself. Then, instead of taking the quickest route back to Washington and immediately going on the air to reassure the panicked people of this country, he decided it wasn't safe to return to the White House. He basically went into hiding for the day-and he told Vice President Dick Cheney to stay put in his bunker. We were all frozen in front of our TVs, scared out of our wits, waiting for our leaders to tell us that we were going to be okay, and there was nobody home. It took Bush a couple of days to get his bearings and devise the right photo op at Ground Zero.

That was George Bush's moment of truth, and he was paralyzed. And what did he do when he'd regained his composure? He led us down the road to Iraq, a road his own father had considered disastrous when he was President. But Bush didn't listen to Daddy. He listened to a higher father. He prides himself on being faith based, not reality based. If that doesn't scare the crap out of you, I don't know what will.

A Hell of a Mess

So here's where we stand. We're immersed in a bloody war with no plan for winning and no plan for leaving. We're running the biggest deficit in the history of the country. We're losing the manufacturing edge to Asia, while our once-great companies are getting slaughtered by health care costs. Gas prices are skyrocketing, and nobody in power has a coherent energy policy. Our schools are in trouble. Our borders are like sieve s. The middle class is being squeezed every which way. These are times that cry out for leadership.

But when you look around, you've got to ask: "Where have all the leaders gone?" Where are the curious, creative communicators? Where are the people of character, courage, conviction, competence, and common sense? I may be a sucker for alliteration, but I think you get the point.

Name me a leader who has a better idea for homeland security than making us take off our shoes in airports and throw away our shampoo? We've spent billions of dollars building a huge new bureaucracy, and all we know how to do is react to things that have already happened.

Name me one leader who emerged from the crisis of Hurricane Katrina. Congress has yet to spend a single day evaluating the response to the hurricane, or demanding accountability for the decisions that were made in the crucial hours after the storm. Everyone's hunkering down, fingers crossed, hoping it doesn't happen again. Now, that's just crazy. Storms happen. Deal with it. Make a plan. Figure out what you're going to do the next time.

Name me an industry leader who is thinking creatively about how we can restore our competitive edge in manufacturing. Who would have believed that there could ever be a time when "the Big Three" referred to Japanese car companies? How did this happen and more important, what are we going to do about it?

Name me a government leader who can articulate a plan for paying down the debt, or solving the energy crisis, or managing the health care problem. The silence is deafening. But these are the crises that are eating away at our country and milking the middle class dry.

I have news for the gang in Congress. We didn't elect you to sit on your asses and do nothing and remain silent while our democracy is being hijacked and our greatness is being replaced with

mediocrity. What is everybody so afraid of? That some bobblehead on Fox News will call them a name? Give me a break. Why don't you guys show some spine for a change?

Had Enough?

Hey, I'm not trying to be the voice of gloom and doom here. I'm trying to light a fire. I'm speaking out because I have hope. I believe in America. In my lifetime I've had the privilege of living through some of America's greatest moments. I've also experienced some of our worst crises - the Great Depression, World War II, the Korean War, the Kennedy assassination, the Vietnam War, the 1970s oil crisis, and the struggles of recent years culminating with 9/11. If I've learned one thing, it's this: You don't get anywhere by standing on the sidelines waiting for somebody else to take action. Whether it's building a better car or building a better future for our children, we all have a role to play. That's the challenge I'm raising in this book. It's a call to action for people who, like me, believe in America. It's not too late, but it's getting pretty close. So let's shake off the horseshit and go to work. Let's tell 'em all we've had enough.

Forward Courtesy Janis Dolnick and Sean Sands

http://www.item-bioenergy.com/

Internet Doomsday Creeps Closer

Big government pushes for total taxation and restriction on the last great outpost of free speech
© Steve Watson Infowars.net
Monday, June 4, 2007

Recent proposals in the U.S. Congress are taking a huge swipe at freedom in America once again by aiming to impose multiple different forms of crippling taxation and restriction on users of the internet.

State and local governments this week resumed a push to lobby Congress for far-reaching changes on two different fronts: gaining the ability to impose sales taxes on Net shopping, and being able to levy new monthly taxes on DSL and other Internet-service connections. One senator is even predicting taxes on e-mail, reports CNet.

Several bills were introduced last week that could see all manner of new forms of internet taxation become a reality before the end of the year.

Sen. Michael Enzi, a Wyoming Republican, introduced a bill (PDF link) for mandatory sales tax collection for Internet purchases, meaning that if you buy items through online sites like eBay or Amazon.com, you might have to start paying additional sales taxes on your purchases.

The Libertarian party has warned that the bill represents more big government intervention and that while Enzi insists the bill "would not increase taxes," the Sales Tax Fairness and Simplification Act would open the door for states to charge sales tax on Internet sales. In contrast to his statement, the C-Net article states that Enzi warned that other taxes may zoom upward if his "mandatory sales tax collection" bill isn't passed.

In a second and separate proposal during a House of Representatives hearing last week, politicians weighed whether to let a temporary ban on internet access taxes lapse when it expires on November 1. Such a move would leave open the possibility that simply using the internet would require a tax to be paid which critics suggest could sound a death knell for broadband, DSL and "always on" high speed internet.

Rep. Hank Johnson, a Democrat from Georgia compared the move to taxing people for simply entering shopping malls or libraries. With the U.S. economy already under considerable strain, taking a huge swipe at e-commerce, one of its cornerstones, seems like the worst possible thing Congress could do.

Furthermore, allowing taxation on internet access represents a slippery slope towards opening up the possibilities of taxing all kinds of internet based services.

"They might say, 'We have no interest in having taxes on e-mail,' but if we allow the prohibition on Internet taxes to expire, then you open the door on cities and towns and states to tax e-mail or other

aspects of Internet access," said Sen. John Sununu, a New Hampshire Republican.

An email tax would certainly suit both the government and internet providers who would likely get a cut. Last year it was revealed that AOL is planning to charge mass-emailers a fee to avoid the ISP's spam filters and guarantee that their marketing emails arrive straight in AOL subscribers' inboxes. Yahoo! is also endorsing the scheme.

Under such a system email considered "uncertified" would risk running through AOL and Yahoo!'s discrimination process. And as this potential profit center for the two net giants takes off, there's no incentive for either company to deliver the "free email" - and every incentive for them to get the world conditioned to paying for guaranteed delivery.

A United Nations agency also proposed in 1999 the idea of a 1-cent-per-100-message tax, indicating that the idea has been floating around for almost a decade.

In recent months, a chorus of propaganda intended to demonize the Internet and further lead it down a path of strict control has spewed forth from numerous establishment organs:

- Time magazine reported last month that researchers funded by the federal government want to shut down the internet and start over, citing the fact that at the moment there are loopholes in the system whereby users cannot be tracked and traced all the time. The projects echo moves we have previously reported on to clamp down on internet neutrality and even to designate a new form of the internet known as Internet 2.
- In a display of bi-partisanship, there have recently been calls for all out mandatory ISP snooping on all US citizens by both Democrats and Republicans alike.
- Republican Senator John McCain recently tabled a proposal to introduce legislation that would fine blogs up to $300,000 for offensive statements, photos and videos posted by visitors on comment boards. It is well known that McCain has a distaste for his blogosphere critics, causing a definite conflict of interest where any proposal to restrict blogs on his part is concerned.
- During an appearance with his wife Barbara on Fox News last November, George Bush senior slammed Internet bloggers for creating an "adversarial and ugly climate."

- The White House's own recently [declassified strategy](#) for "winning the war on terror" targets Internet conspiracy theories as a recruiting ground for terrorists and threatens to "diminish" their influence.
- The Pentagon recently announced its effort to [infiltrate the Internet and propagandize](#) for the war on terror.
- In a speech last October, Homeland Security director [Michael Chertoff identified the web as a "terror training camp,"](#) through which "disaffected people living in the United States" are developing "radical ideologies and potentially violent skills." His solution is "intelligence fusion centers," staffed by Homeland Security personnel which will go into operation next year.
- The U.S. Government [wants to force bloggers](#) and online grassroots activists to register and regularly report their activities to Congress. Criminal charges including a possible jail term of up to one year could be the punishment for non-compliance.
- A landmark legal case on behalf of the Recording Industry Association of America and other global trade organizations seeks to [criminalize all Internet file sharing](#) of any kind as copyright infringement, effectively shutting down the world wide web - and their argument is supported by the U.S. government.
- A landmark legal ruling in Sydney goes further than ever before in setting the trap door for the destruction of the Internet as we know it and the end of alternative news websites and blogs by creating the precedent that simply [linking to other websites is breach of copyright](#) and piracy.
- The European Union, led by former Stalinist and potential future British Prime Minister John Reid, has [also vowed](#) to shut down "terrorists" who use the Internet to spread propaganda.
- The EU data retention bill, passed last year after much controversy and with implementation tabled for late 2007, obliges telephone operators and internet service providers to store information on who called who and who emailed who for at least six months. Under this law, investigators in any EU country, and [most bizarrely even in the US](#), can access EU citizens' data on phone calls, sms', emails and instant messaging services.
- The EU also recently proposed legislation that would prevent users from [uploading any form of video](#) without a license.
- The US government is also funding research into social networking sites and how to gather and store personal data published on them, according to the [New Scientist magazine](#). "At the same time, US lawmakers are attempting to force the social networking sites themselves to control the amount and kind of information that people, particularly children, can put on the sites."

The development of a new form of internet with new regulations is also designed to create an online caste system whereby the old internet hubs would be allowed to break down and die, forcing people to use the new taxable, censored and regulated world wide web.

Make no mistake, the internet, one of the greatest outposts of free speech ever created is under constant attack by powerful people who cannot operate within a society where information flows freely and unhindered. Both American and European moves mimic stories we hear every week out of State Controlled Communist China, where the internet is strictly regulated and virtually exists as its own entity away from the rest of the web.

The Internet is freedom's best friend and the bane of control freaks. Its eradication is one of the short term goals of those that seek to centralize power and subjugate their populations under a surveillance panopticon prison.

© Steve Watson
Infowars.net

❧➤❧❧❧➤❧❧❧➤❧❧❧➤❧❧❧➤❧

So, the focus of everything we ever learned in history class was immaterial and irrelevant; the facts may be accurate but as you'll see later, facts are immaterial; all that matters is honour/dishonour, contract, and credit/debit.

We are entrenched in a game of commerce about which we have been kept in the dark for the purpose of our slavery. There may be a few centuries in the history of the world which were not about commerce, but certainly the past two millennia have been for the purpose of enslaving the masses for the profits and lifestyles of the global elite. It is nearly completely in place.
Mary Elizabeth Croft

I want either less corruption or more chance to participate in it.
Ashleigh Brilliant

"Do not believe on the strength of traditions even if they have been held in honour for many generations and in many places; do not believe anything because many people speak of it; do not believe on the strength of sages of old times; do not believe that which you have yourselves imagined, thinking that a god has inspired you. Believe nothing which depends only on the authority of your masters or of priests.

After investigation, believe that which you have yourselves tested and found reasonable, and which is for your good and that of others."
Buddah

❧➤❧❧❧➤❧❧❧➤❧❧❧➤❧❧❧➤❧

courtesy RaveOn

New Paradigm Consciousness

Chemtrails - Facts, Plagiarism, And Propaganda

By Margareta- Erminia Cassani
margareta-erminia.cassani@worldnet.att.net
6-18-00 TOC

From Rense.com

Note – This article appears on Rense.com. While this article in IMO rather Biased, it is worth a read in the interests of both being balanced in one's perspective, as well as being in possession of the facts regarding who said what when. There are Two comments following this article, rebuttals from Ken Adachi and Matt Ridgeway. Please understand that this article is reprinted here under the heaing of 'food for thought', and form your own opinions. It is my experience that both the 'official' academic community and the 'conspiracy' community are heavily biased, and often it is necessary to view the points put forward by both sides in order to be informed in the best manner possible. – Editor

I am a health and medicine journalist/author/editor for over 20 years. Since November 1998, I have been working on the health aspects of some biological material ejected from low-flying planes. These incidents involved houses splattered with a reddish-brown gel. After a friend had heard Will Thomas' initial interview on Art Bell's show in February 1999, we thought my investigation might be related to Mr. Thomas' investigation of unusual-appearing contrail activity, so I contacted him with information about what I was working on and we agreed to join forces as partners/colleagues and jointly publish our findings together. Since that time, I have contributed information to Will's investigation in the form of health/medical research into what possibly could be contained in the contrails that might be adversely affecting the health of people exposed to them. I also shared with Will the laboratory analysis of the samples I collected from these homes covered with the red-brown gel.

In April 1999, Will Thomas and I jointly authored an article, Sky Samples Analyzed for the Environmental News Service in which some details of our (then) current investigation were published. Subsequent to that, Will Thomas has also authored articles by himself, either on his website or other places, with contributions by myself regarding

health/medical facts surrounding both the "high altitude" phenomenon, i.e. contrail/Chemtrails, and my own ongoing research into what we came to refer to as the "low level" aerial phenomenon, i.e., residential houses splattered by low-flying planes with the above-mentioned reddish gel material. However, since the publication of Sky Samples Analyzed et al, I have seen numerous Chemtrails-related articles created by a number of people appear on Sightings and other web sites across the Internet. More and more I am greatly disturbed by the "cut, paste and plagiarize" fashion of putting together these articles that take bits and pieces out of Will Thomas' and my articles and rearranging them into an incredible hodgepodge of confusing, and just plain wrong, information. To make matters worse, these "cut and paste" articles blur the facts with pure fantasy and agenda-pandering, and lately some very dangerous propaganda which I do not want my name or work associated with. I feel VERY responsible for the effect that the misappropriation of my information has had on an increasingly scared public who are looking for FACTS regarding what is happening in our skies, in our air, water and land. Unfortunately, when they read these "cut and paste" jobs they, for the most part, get only far-fetched anecdotes (how about worms small enough to crawl out of human skin pores yet have " visible teeth?) or agenda-selling rhetoric or downright propaganda. It is for this reason that I wrote this article for Sightings, to set straight the facts of the information I contributed to the Chemtrails research and to disentangle my work and name from those who want to peddle their own agendas, using the contrail issue as their vehicle to do so, and especially those who want to promote and distribute ancient, extremely inflammatory, White Supremacist propaganda using Chemtrails research as the signatory which I will discuss later in this article.

I have stayed out of public view for the last 1-1/2 years because I preferred to work in relative anonymity while looking for the answers to the strange questions that this investigation posed very early on. As a writer/author, when the public spotlight is on you, many times "red herrings" get thrown into the mix by various people who either want to throw you off the correct path or tie your work into their specific agendas that they then want you to champion as a quasi-spokesperson. In addition, I simply did not want my research distorted and/or pre-emptively "borrowed" from other journalists looking for an interesting story to latch onto.

It becomes immediately apparent to me, when reading these "cut and paste" articles and seeing my information turned around so badly, that the author/s of these creations understand very little of what they are conveying to an answer-seeking public. This is most apparent in the information regarding the laboratory samples that I personally collected and shared the results with Will Thomas which appeared in our joint article and his subsequent articles. Many times, I have seen a word-for-word plagiarism of our (Will Thomas' and mine) work, simply re-arranging words and sentences from our original text and creating wholly different contexts with their new arrangements while taking the liberty to add either their own misunderstanding, or just plain confabulation, resulting in gross distortions of the original facts. Not only do they misrepresent, massage and manipulate facts of the info the "borrow", but they never attribute any of the information contained in them as coming from either Will Thomas or myself. One would get the idea, from reading one of these "cut and paste'articles, that they were the author's original thoughts and ideas judging by the lack of documentation or attribution to any source.

In these articles, for the most part, the reader generally gets beat over the head with the impression that United States citizens (even though other countries are experiencing this phenomenon as well) are being either chemically experimented on by the United States government/military and/or are being "culled", i.e. killed, by the United States government/military. It is very frustrating for me to see the laboratory samples that I had analyzed in a reputable environmental biology lab near where I live, which I hold the test results on, and know full well what disease entities they are capable of causing, be cited as the basis of this "cull" theory. These misconceptions, and distortion of the facts, I believe, stem, in part, from the idea that people apparently believe that the samples mentioned in Sky Samples Analyzed came out of contrail aerosol and that the "Chemtrails" are disease-producing bug and chemical sprays unleashed on the United States. Let me state, unequivocally, for the record here, my samples referred to in Sky Samples Analyzed DID NOT come out of contrail aerosol. To date, no laboratory samples have been taken from contrail aerosol, although gathering sampling data from contrails is still trying to be done. It was stated in Sky Samples Analyzed that these laboratory samples were taken from material dropped or jettisoned from "low-flying planes", but apparently that terminology was too vague, and

when the text of that article was printed it was wrapped around photographs of contrails, so it is at least understandable, however, wrong, that many people inferred that the samples spoken of in that article came out of contrails. This could not be further from the truth. The samples were taken from residential homes splattered with the aforementioned biological "goo. Since Sky Samples Analyzed and subsequent articles by Will Thomas that contained similar information regarding these lab samples, the "cut and paste" doctors have stretched and stressed the limits and capabilities of these God-made organisms to make their Procrustean bed arguments that our government has cooked up these bizarre biological concoctions in some research laboratory somewhere and are loading them into military jet fuel systems and "spraying" everyone, via contrails, with deadly bugs, viruses, and other cancer-causing chemicals, with the express purpose of killing people, specifically old people and ill people. Or, that these organisms are somehow used to "change around human DNA" which somehow shuts down our neurological systems, making us confused, dizzy, disoriented, dysphasic, and therefore more susceptible to New World Order takeover by United Nations factions. This occurs most frequently in the misunderstanding, hence, misuse of the term restriction enzyme - a term that appeared in the results of my early laboratory samples. See What is a Restriction Enzyme? further in this article for a detailed description of what these organisms are, and what they are biologically capable of. They have nothing to do with the Frankenstein's monster-type genetic manipulation that some of these cut and paste authors are proposing. I have to say, I feel like the farmer who came to the city when I read these way out in left field scenarios that people have fantasized using my laboratory information as proof.

Interestingly, none of these "authors" explain how laying bug and chemical laden Chemtrails dispersed at high altitudes will accomplish a "cull" or a "mind-control" feat without affecting the rest of the population and/or the perpetrators themselves. Spraying bugs and chemicals at these high altitudes, how do you discern what type of citizen will get hit with what? How do you control the hit? They cite weakened immune systems that occur primarily in the aged and the ill which apparently will determine who lives and dies in this doomsday scenario. I have news for everyone - breathing in bugs and chemicals are going to weaken everyone's immune systems, even the people doing the spraying, and those doing the

planning of said spraying, so that no one would escape a "cull" scenario such as the ones proposed by these authors. Or is this a Jonestown mass homicide/ suicide CIA mind control experiment on a grander scale? I don't think so.

Most of us know by now that our United States government, along with some aiding and abetting by our United States Military, performed several open-air bacteriological, chemical and even LSD experiments on unsuspecting American citizens and soldiers. Our CIA also funded research on Canadian territory to do the same and worse, re the mind control experiments of Dr. Ewen Cameron at Ravenscroft, in Montreal. However, knowing that history should not automatically imply that this type of experimentation is necessarily, then, the basis of Chemtrails activity. If we were jurors in a trial, we would be convicting a case based on precedent and what could be the truth rather than what is the truth by examining the facts. To date, no facts support this theory. No CREDIBLE source has come forward to acknowledge that this type of experimental activity is at the core of Chemtrails activity. No one. If anyone out there has information to the contrary, please come forward. Besides, the "cull" theory is just plain illogical in a huge market economy such that the United States is - an economy that depends on lots of warm bodies, old, young, ill, and otherwise, to keep the wheels of Wall Street rolling along. Wall Street, et al, Bilderbergers would not tolerate this scenario, because even if they had no social conscience towards it, they would start losing money and none of them wants that. The stock market would suffer badly. I think all serious Chemtrail researchers should just forget this one and quit scaring the poor senior citizens and chronically ill into heart attacks or committing suicide or homicide out of depression and/or anger brought on by the public airing of these scenarios. It's a socially irresponsible idea to throw out there without any more evidence or data to back it up other than the lab samples I (and several other people) volunteered to Chemtrails research.

Ironically, what is seriously affecting the health of our older people, the chronically ill, and the very young, in this country, which is getting pooh-pooh'd by many Chemtrail trackers and workers, is a growing environmental fungal infestation problem that can and will take hold of weakened immune systems and bring them down much faster, I would add, than any overhead aerial spraying program could. More on this in my Brief Conclusions later in this article.

Several other theories proposed in these Chemtrails "cut and pastes" which use cite specific organisms found in my laboratory samples as some sort of empirical proof include:

1. The military is trying to "own" the weather. I have seen it stated many times in these articles that some of the organisms contained in the lab samples I collected from low flying planes, NOT contrail aerosol, are organisms that the US Military has hundreds of patents on, and therefore are proof that they are spraying these organisms in the air to facilitate defense-based weather modification programs. That's a big leap - to nowhere. The US Army stockpiles a lot of biological material for bioremediation purposes, specifically pseudomonas fluorescens and aureobasidium pullans (two of the organisms contained in my samples), one which eats fuel and oil spills and the other is used in creating certain vinyl products (amongst other things). We could not have cleaned up Exxon Valdez if not for the God-made organism pseudomonas fluorescens for it thrives on fuel and oil. In the numerous patents I researched that are listed on the DOD's website, regarding pseudomonas fluorescens, bioremediation was the objective of these patents, not weather modification, or even human illness. The Exxon Valdez oil spill, et al, are more toxic to the environment and the ecosystem than pseudomonas fluorescens would ever be. People seem to forget, these organisms are NOT manufactured in a laboratory somewhere, they exist in nature. Yes, they can be pathogens to man under certain conditions, but I do no believe they, specifically, are the culprits in the numerous upper respiratory, et al, illnesses people are suffering. Rather, I believe that, in synergy with the over-abundance of fungal organisms present in our environment for the last decade, and dramatically increasing over the last 18 months (a time factor of critical significance), the power of these organisms to cause more serious infections in the human population has strengthened.

I have no doubt that the US Military and other governmental defense agencies are experimenting with weather modification to facilitate defense programs. The HAARP program is one such defense project which, basically stated, manipulates the ionosphere to become a shield that would deflect incoming missiles from entering our country if, suddenly, our global "trading buddies" decide they don't want to play Monopoly with us anymore and would rather just take us off the playing board completely. How these particular organisms I (or others) collected would function in a weather-mod scenario has never been explained in these cut and paste articles, but I can't see that they would contribute anything substantial to this effort. Perhaps, they might act as bioremediation agents in keeping the upper atmosphere "clean" of jet fuel combustion products that would further weaken the ozone layer and thus, perhaps affect the stability of the upper ionosphere, hence, affecting the stability of the "shield", but other than that, I think they would be of limited value. Granted, the argument could be made that these organisms sprayed in the air for purpose of defense-based weather modification are making people sick when they ultimately fall to Earth and into our breathing space. Could that account for the rise in respiratory flu, bronchitis, pneumonia? The chances of that are very slim as they would have to be some very hardy strains as the exposure to UV rays and cold temperatures at contrail appearing altitudes would render most, if not all, of these organisms harmless by the time they fell down far enough for us to breathe them in. Therefore, the fact that some laboratory samples of gel-material were taken from houses is a very weak foundation to support the idea that the US DOD is injecting organisms into the atmosphere to assist in weather modification and that is what is making people ill. I do not believe that weather modification, and the use of biological organisms to facilitate that goal, is the specific objective of the unusual contrail activity. It certainly could be an unintended by-product of it, or part of a two-fold program, which I will get to in my conclusions, but I do not feel it is its primary intention

2. Another theory I have seen taken in Chemtrails cut and paste articles making use of my lab samples analysis as evidence is the Alien Connection, i.e. aliens are procuring our atmosphere with biological materials to make it a habitable place for them to live as their planet is dying. Even The Star and The Globe rumor rags have run stories of how UFO's are responsible for splattering brownish-goo on residential roof-tops as far away as London, England. How any one on Earth knows this alien agenda is interesting to ponder and why these aliens would want to come to our environmentally damaged planet on the brink of disaster when they could find some pristine place in God's infinite universe is beyond me too. Or are they coming here to help us in a time of environmental crisis? In any case, I would wager that aliens would not be using US and/or UN military-type antiquated aerial machinery to accomplish their goal. Sorry, but this

proposal is just a little out there - like past Pluto, and therefore I won't spend much time here.

3. The other less strange and even more credible theory is mass inoculation of American citizens against biological/chemical warfare via aerial dispersal of antigens that might protect us from anthrax , smallpox, or botox, or? Like the global defense theory, mass inoculation has one of the best motives in the world - the United States is totally unprepared on a medical, clinical level to deal with bioterrorism. If we were to be hit by an aviary flu such as the one that infected scores of chickens and other fowl in China not too long ago, and developed the ability to "cross vector" from bird to human, a lot of human life would be lost because we simply do not have either the antigens or the antidotes developed yet to deal with such a crisis. Or, how about another virus recently on the scene, the West Nile, which seems to be exhibiting a very scary propensity lately of "jumping vector" between mammalian (human) and avian (bird) hosts with no intermediary animal host (i.e. pigs, cattle etc).

As recently as June 12, 2000, USA Today reported that several new deaths in the crow population have been confirmed to be from West Nile virus. This same virus had already killed 6 humans back in the fall of 1999, but had been responsible for hundreds of crow deaths at that time. These new crow deaths suggest that the West Nile virus did not die off, as was hoped, over the winter and may come back like a lion this summer when the temperatures start getting hotter and more humid. What does this scenario tell us? That the West Nile is, obviously, more devastating to birds than humans, for the time being. With six human deaths from this virus, the virus has already developed the capability to "jump vector". The question on every health official's mind should be will it now start mutating into a stronger species that can affect humans as devastatingly as it has the crows? If so, we are in big trouble and, quite frankly, could be in for an epidemic of a "flu-like" encephalitic syndrome the likes of the 1918 flu epidemic. And because it infects birds as well, disease containment would be very difficult, if not impossible, as birds could carry the virus hundreds of miles in all directions.

Or, how about a new strain of an old killer, i.e., smallpox (both of which have been developed as biowarfare agents in Russia, China, and perhaps Iraq) - Americans would go down so fast we wouldn't know what hit us. There is only a very small store of smallpox vaccine in this country and

some people necessarily would have to go without, i.e., not be inoculated. Possibly, you could take the existing stores of vaccine and dilute and then aerosolize them and disperse aerially to at least give cursory coverage to a greater group of people. However, in medical terms, cursory coverage equates to very weak coverage, although in an emergency it may be the best "shot" we have. Personally, I would rather have weak than none. In that scenario, an involuntary inhalational vaccine could be the answer, especially with a country of people now skeptical about any type of vaccinations and even military personnel refusing to take the traditional anthrax vaccinations. Even if Ted Koppel announced on ABC Nightly News that a biowarfare attack was imminent and it was imperative to their health to get one of these vaccines, there would simply be those in this country who would not volunteer for a traditional vaccine. These reluctant vaccinees would present an even bigger problem in disease containment control as one infected person can infect an entire community and the death toll could be devastating. The drawback to this method of inoculation is that unfortunately, to date, aerosol inhalational vaccinations have only successfully been developed to be directly sprayed into the nasal mucosal passages and thus function as a "first response" to incoming, inhaled bacterial/viral pathogens that can be caught and short- circuited in nasal cilia before they get to the lungs. Currently, this technology exists in the nasal flu vaccines that were put to use in the fall of 1999 at the outset of the flu season. Disseminating an inoculating antigen in the air, via mass spraying by airplanes, however, would most probably render the antigen/vaccine useless (especially in our polluted breathing air), unless certain protective polymer or protein coats were developed for the material to protect it from environmental damage on its way down. In the best case scenario, this method would still be highly unreliable and more than likely would be an incredible waste of time, money and resources. We do have the nanobomb technology now to greatly lessen the impact of biological attacks, but a nanobomb is only good where the agent is known to have been dropped. Nanobomb technology is progressing in development to being carried in a personal aerosol and sprayed directly into the nasal passages when the infecting agent is theorized or known to be inhaled. This could be very effective on the battlefield with soldiers in combat, but how many American citizens are going to know when they inhale a biological agent when going about their everyday routine? None, I would wager.

The organisms contained in the samples I collected are not viruses and they are not capable of becoming antigens to any viral based disease. There are some bacteria contained in the samples, however, not of the type and caliber to create any type of bacteriological immunity against such killer attacks as anthrax. Besides, the size and volume of the dropped material is reason enough to know that these particular samples are not part of any mass inoculation program involving inhalational organisms - they were not of respirable size, i.e. too big to be breathed in by any human pulmonary system. There does, however, exist the possibility that spores could have formed from the mold and fungal organisms contained in the samples which would be of respirable size. Learning what I have, over the last 1-1/2 years while working on this project, about the sharp rise in mold and fungal based diseases in the United States, and basically the world, I have wondered if the molds and fungus contained in my samples could possibly be canceling agents for other types of fungal organisms proliferating in the environment. That is to say, is it possible that spores from the molds and fungus in my samples could provide some type of immunity to other more infectious, fungal-based organisms? In my more optimistic moments, I like to think that this is what is behind these residential plane drops, i.e., delivering a synergistic mixture of certain organisms into the environment to counteract other more aggressive ones. This theory has some validity to it as frequently "mycoherbicides" contain certain fungal organisms which act as natural predators on certain plant structures and other fungal organisms which allow those plants to proliferate. The United States DEA recently began testing fusarium oxysporum in Florida to see how effectively the fungal elements contained in that mycoherbicide cancel out certain plants and the other "fertilizing" fungal organisms which enable them to grow healthy. These tests are being conducted for the express purpose of using the mycoherbicides in an anti-coca plant program in South America and other places to kill cocaine sources at their root, so to speak. In dropping organisms on residential homes from low-flying planes, it seems more logical and beneficial, though, to open-space drop them where more people might better get the possible intended benefit of them, rather than seemingly "target" one home amongst many as has frequently appeared to be the case in the instances that I have researched. I frown on the accidental transport of biological organisms theory, for the most part, as once or twice an accident, perhaps, but I have documentation of these drops occurring over 33

times since 1998 through May-June of 1999, many occurring in the same areas. These are either some awfully careless pilots or these drops are deliberate for some reason. I tend to believe the latter as that is the direction the evidence points. Calls and FOI request letters to the USDA, who could be the responsible federal department for such "pesticide" drops has yielded no answers at this date.

LAB SAMPLES - JUST THE FACTS
First and foremost, I will re-state this as clearly as possible to try and dispel this error once and for all: The laboratory samples that I collected, referred to in Will Thomas' and my joint articles as well as his solo articles, were taken from material that was ejected out of low-flying planes, one of which was positively identified as a C-130 Hercules, military issue transport plane, on residential property, i.e., houses and/or garages. They absolutely DID NOT come out of contrail aerosol.

Where/What: 1. The first sample I collected was in November 1998, in Michigan. At the request of the homeowner, I have left their names and location of their residence out of any writings regarding the material taken from their home. This material was a reddish-brown gel-like substance that covered the garage, and was dropped from a low- flying, unidentified plane. The owner of the home did not see the drop occur. I learned of the drop through the local news. Being a health and medical writer, my curiousity was more than piqued at the strangeness of this occurrence and I was also concerned about the possible health hazards of this material, thinking at first it was airplane waste that had been jettisoned somehow on the plane's landing into the nearby airport. This was the first thought of choice as many people who lived near Detroit's Metropolitan Airport had previously reported having airplane toilet waste material splattered on their homes before. I called the homeowner and asked if I may come out and take a look at what she had on her garage. As soon as I saw the material, I knew immediately that it was not commercial airline toilet waste. It did not have the characteristic blue preservative agent that is poured into airline waste holding tanks that necessarily would have been present if it had been jettisoned from a commerical fly-over. Rather it had an ominous appearance, like splattered and dried blood. My second thought was a large, bird perhaps dripping blood from a wound flew over the house, but this was quickly ruled out after noting the splatter pattern on the garage which could only have been caused by a higher velocity spray. I videotaped the material, documenting it across the entire garage,

driveway, and parts of the back of the house. It marked the garage in a pattern that made it obvious it had been dropped from a low flying plane, thick, wide gobs of material in a left to right, north to south pattern, that also ran across the driveway. Strangely, no one else's house in this area had any of the material on it, except for the next door neighbor's who had a few small drops on a door facing this house. I then proceeded to collect this material with saline soaked Q-tips and placed them in plastic Ziploc bags. I then called several local laboratories and none of them wanted to take the material. They simply were not interested. I then called a marine biologist at the University of Michigan, Dr. Peter Maier, who was a huge help to me and agreed to take a look at the material. An early analysis of the material revealed nothing until Dr. Maier turned up the magnification of the lenses which immediately revealed minute protozoan life-forms, i.e., algae, which were highly motile, something Dr. Maier found odd being that these samples had sat outside in cold weather for a while. They should not have been alive and yet were swimming on the slide quite vigorously. Dr. Maier then took this material and tried to grow it in typical lab Petri dishes and several colors blossomed on the cultures, meaning that several distinct organisms were present in this material. However, Dr. Maier did not have the capacity, nor the time, to further identify these distinct species and I then took the samples to an environmental biology lab (I had not yet received authorization to use the name of this lab at this writing and therefore it will not appear at this time). There, over the weekend, these lab samples blossomed floridly, i.e., they overgrew their Petri dishes rapidly as they were ripe with organisms. When I was asked by the lab's manager, where did you get these samples? I told her that I had collected the material off a house that had been splattered with it and she was very surprised. She offered her guess that the material must be some type of biohazard materials that accidentally fell out of a plane on its descent to Metropolitan Airport, as the combination of organisms indicated more a clinical setting rather than a natural, environmental setting. However, there was no evidence of such an accident, no containers, no broken glass, no boxes, nothing to suggest a biohazard accident, just this blood-red material all over the garage and driveway with several splatters on the back of the house. These organisms were clinically identified as:

a. Pseudomonas fluorescens - this is a bacterium that has a "day-glo" quality to it, like a fluorescent light. It is commonly found in soil and water and is also associated with food spoilage of protein (eggs, meat, fish, milk). It is used, as mentioned earlier, in bioremediation programs as it thrives on fuel and oil. "It is generally an environmental contaminant and occasionally an opportunistic pathogen for humans causing infections of the urinary tract, wounds and the blood stream. It also occurs as a contaminant of blood and blood products used for transfusions, sometimes causing fatal shock" [Dorland's Medical Dictionary, p 1378]

b. Bacillus amyloliquefaciens - Common to soil, not known to be a human pathogen. However, it is used many times in clinical settings as a restriction enzyme. See below for further definition of this.

c. Vibrio splendidus 2 - Vibrio species of bacteria are commonly known to affect humans in a serious way (the disease cholera comes from the Vibrio family of bacteria), however, this particular strain of Vibrio is not a known human pathogen. Its value seems to lie in its ability to "light up" its surrounding area. It is found in coral reefs and provides a day-glo type of light, like the fluorescens species do. It is also being researched as a bacterial marker for poultry and other foods. The theory being that it would light up in the presence of certain contaminants, thus telling the buyer that the product was not fit for consumption. Theoretically, if someone were later wanting to test for the presence of "their" organisms which they dropped into the environment, for whatever reason, the inclusion of this one organism, Vibrio splendidus, would help them find "their" specific drops, i.e., allowing them to pick out their organisms from naturally occurring background organisms.

d. Staphylococcus - a large amount of Staph organisms were found in he samples. This species of bacteria can be responsible for many infections of the skin and the blood. This is a fairly common bacteria. We carry it on our hands and skin without incident most of the time.

e. Aureobasidium pullans - This is commonly considered a contaminant and is a causative agent of a disease process called phaehypomycosis - an opportunistic infection in humans derived from dematiaceous fungi, fungi that grow in rotting wood (black mold). This can cause a severe fungal form of pneumonia. It is used in making certain types of vinyl products.

f. Streptomyces - a fungus-like bacteria. More than half of the valuable antibiotics in use in medicine are created from streptomyces organisms. However, it can be parasitic to plants and animals, as well as bacteria.

g. Nigrospora - another contaminant, commonly referred to as the black molds which form spores.

The second sample was sent to me from Pennsylvania in January 1999, but the original incident had occurred January 1998. The names and exact location have been omitted at the homeowner's request for this specific writing. However, they will appear later in a book form. This plane drop was witnessed by a neighbor who described the plane as "huge, dull gunmetal gray, unmarked", flying so low this person thought the plane was going to crash into his barn. He said he could feel the windows shake as it went over his house and subsequently sprayed the entire three-story-high farm home of his neighbor on several sides. These homeowners also videotaped the damage and sent me a copy of it. The organisms identified in this sample include:

a. Bacillus amyloliquefaciens - this organism was present in an overpowering amount, so much so that only one other organism could be identified. As noted above, this bacterium is not usually known to be pathogenic to humans. It was also present in the Michigan sample.

b. Turicella otitidis - this was the second organism identified. This is an organism responsible for middle-ear infections, particularly the otitis media type.

c. Streptomyces - same as contained in the Michigan samples.

d. Rhizomucor - this is a mold that grows on corn plants or bread. e. Penicillium species - another mold which is used primarily to create penicillin.

What is a Restriction Enzyme?
As mentioned earlier on, this term has been misunderstood and used inappropriately in its mention in many Chemtrails-related articles. Restriction enzymes are not organisms cooked up in a genetics lab somewhere which are capable of creating bizarre distortions in human DNA by spraying them in the air and people inhaling them. A restriction enzyme is nothing more than an enzyme which is present in just about all bacterial and viral organisms. It functions like a genetic "scissor" which allows DNA to be cut into at desired levels for the purpose of studying a certain level in the DNA chain, or for hybriding purposes. It is not man-made, it is God- made.

The third sample came from Birch Island, Ontario, Canada, August 1999. I also collected this sample with the aide of Mr. Ben McNenly, a resident of Espanola, Ontario. Birch Island was a "turning point" of sorts in my investigation of this low-level plane-drop phenomena, as it was the first time that eyewitnesses were present at the exact time the drop from the plane occurred. I have been asked by these eyewitnesses to delete their names from this article, which they know will appear on the Internet, for the purpose of privacy, but have allowed me to publicly use their name in association with this story at a later date. At this point, I will refer to these two eyewitnesses as Bob and Jean. What happened at Birch Island is an extraordinary story. Bob and Jean are retirees who live on Birch Island for several months out of the year. It is located on an Ojibway Indian Reservation. They have a beautiful home that overlooks McGregor Bay. On July 18th, 1999, as they were sitting out on their patio that overlooks the Bay, Jean suddenly caught sight of a nearly silent, extremely low-flying, very large, grey plane literally gliding over the roof of their home, skimming the treetops of their property - it was that low, no more than 50 to 100' off the ground! Seeing her surprise, Bob jumped up to see this huge, completely unmarked (save for one distinguishing symbol which shall not be published at this time) plane gliding right over them and their patio. Stunned, and too afraid to move, they stood watching the plane glide silently out towards the water, trailing a reddish-brown powdery trail which covered their patio, their dock, and their neighbors dock. They ran to the water's edge and watched the plane glide silently down the bay until it was out of sight, all the while dropping the reddish powder that fell quietly and disappeared into the waters of McGregor Bay.

I was told about this aerial drop soon after and I made a trip to Espanola, Ontario first, and gathered Mr. McNenly. We then visited Bob and Jean at their Birch Island home and collected samples of the reddish powder that had fallen into their neighbor's boat and into the holding pans of their septic tank in front of their home. The powder must have reconstituted somewhat from water in the bottom of their neighbor's boat as the entire bottom of the boat was covered with a very red sticky film, almost as if blood had been wiped from the bottom

and sides of the boat. The anchor pail caught the lot of the drop and it truly was a deep, crimson red. Mr. McNenly and I videotaped the collection of this material from the pail in their neighbor's boat. I covered my hands with surgical gloves and using large Q-tips stuck my hand down into the water and scraped the Q- tip along the bottom of the pail. What came up on the Q-tip was incredible, a blood-red substance that adhered to the Q-tip like a gelatinous gob. I collected numerous samples until the entire bottom of the pail had been scraped of the substance.

After collecting the samples, I interviewed Bob and Jean on videotape in which they re-told their experience. It was at this time that Bob, without prompting from either Mr. McNenly or myself, recounted that the plane that flew over their home that day was identical to an American C-130 Hercules transport plane. Indeed, Bob pointed to this type of plane in a book of specific airplane photographs which included numerous types of planes. Bob and Jean also recounted that they and their neighbors, even the neighbors dog, became ill with fever, chills, malaise, a "flu-like" syndrome, after this material was dropped on their property and their waterfront. The neighbors boy who swam in the water of McGregor Bay after the drop came down with pneumonia after returning home to Toronto that weekend. It should be noted that on this Indian Reservation, on Bob and Jean's property, drinking water is gotten from a conduit pipe that leads from the lake into their home which then runs through a filtering system before it is fit for drinking and/or cooking, etc. So, conceivably, the powder-contaminated water could have been gathered in this conduit pipe and carried right into their home which they later drank. Filtration systems do not always filter out every organism possible.

I then took all the samples from Birch Island home with me and had them analyzed at the same lab that did the other two samples. These samples were very similar to both the Michigan and the Pennsylvania samples in the genus of organisms they contained, with slight variations. In the interim from March 1999, when the last samples from Pennsylvania were analyzed, the lab who did the work on the samples instituted an automated classification system which, unfortunately, only identifies the larger genus and not the species of each organism. Therefore, more exact identification than what follows is not known, however, the genus of bacteria present in these samples is identical to the other samples.

Bacteria:
a. Pseudomonas
b. Staphylococcus
c. Bacillus

Fungus/Yeasts/Molds:
a. Penicillium - as noted above, makes penicllin.
b. Acremonium - a rather nasty organism, found in patients who are immunocomprised, most frequently AIDS patients.
c. Yeasts - a primitive mold.

OTHER PLANE DROPS:
The rest of the "drop" incidents have no samples or laboratory analysis attached to them, at least that are in my possession, and exist through what was gleaned from local news reports in their areas and talking to the people that these incidents occurred to in the area, as well as the local officials. A total of 29 of these fly-over "goo drops"reports from the state of Utah alone. What's so special about Utah that they might have such occurrences? The fact that Dugway Proving Ground is only minutes away from where all these drops occurred might shed some light on the phenomenon. If anyone there were talking, that is. Dugway, in Provo, is one of the country's centers for biological open-air testing and development. Could these fly-over goo drops in Utah have been part of either open-air biological testing or accidents of transport of some biological materials? Maybe.When talking to a few of the "victims" of these fly-over goo drops, it was learned that all of these occurrences happened at night, with the homeowners waking up and finding their houses splattered with this (again) brownish goo. A young man whom I interviewed, via telephone, a Bryan Petersen, told me how he and his family were housesitting their parents home while they were away on a religious mission in another country. They woke up to go to work in the morning at 7 a.m. and found the garage, driveway and part of the house splattered with this material. Bryan also told me that the local HAZMAT team, complete in head to toe biochemical hazard gear, were quickly dispatched from the Fire Department. They didn't take samples, they just quickly sprayed the entire area down with bleach after taking photos.

Another man, Thomas Perkins' home was hit on April 10th, 1999. Mr. Perkins and his family discovered the "goo hit" and immediately contacted the Salt Lake County Fire Department. At first they were reluctant to wash away the material, fearing it could contaminate storm-water systems. The Fire

Department told Mr.Perkins to contact a private biohazard-cleanup company who were also reluctant to clean up the material. However, a day later, the Fire Department relented and eventually cleaned the material off Perkins' home using, again, a bleach concoction which is used in laboratories to kill bacterial and viral contaminants. Mr. Perkins was told by the county health department to keep his family and his pets out of the yard but declined further explanation to Mr. Perkins as to the why of their warning.

My questions to the Director of Public Health, a pediatrician named Kathryn Vedder, M.D. were left unanswered. However, her secretary referred me directly to the laboratory who collected some samples from one of the plane drops, although the majority of them were simply washed away and untested. I left numerous messages for the technicians working on these lab samples and they never returned my phone calls. I was told later, however, by Dr. Vedder's secretary, that Dr. Vedder had issued a public statement that the material contained in these plane drops were "sewage" and the result of a "prankster" filling up a plane with raw sewage and flying over the city. Twenty-nine times. Even though no one had seen the plane or planes that made these drops, FAA spokesperson Mitch Barker told the Salt Lake Tribune: "There is a possibility this is some type of low, slow flying aircraft fitted with some ejection device and it is able to target a spot on the ground". If so, "It would certainly seem to be intentional", he said. Interestingly, the description of a "low, slow flying" plane conjectured to have been the culprit also fits the description given by the neighbor in Pennsylvania who saw such a plane cruise over his neighbor's property before dumping its mysterious biological payload, as well as it fits the description given by Bob and Jean in Birch Island, Canada of the plane that littered their property with red-brown powder. So, in essence, we have similarly described planes at opposite ends of the country, and at least one instance in Canada, dropping similar substances on residential homes. What do they all have in common?

PROPAGANDA
As mentioned earlier, I would like to detach information I contributed to Chemtrails research from some dangerous propaganda that is being woven into many of these "cut and paste" Chemtrails articles. Propaganda, I would like also to say, has absolutely nothing to do with Chemtrail tracking/research and quite frankly reeks of White Supremacist conspiracy agendas, re: the inclusion of an ancient racist tract, The Protocols of The Learned Elders of Zion, with New World Order take-over paranoia which is being purported now as masterminded by an elite group of Jewish financiers who propose to "rule the world". About a month ago, I received an e-mail, from a Chemtrail tracker which spoke of the ancient Protocols of the Elders of Zion and how, in these modern days, it is really the rallying plan of those who would create The New World order, i.e. the United Nations, through a takeover of individual world governments, the United States being one of them. It was a fairly lengthy e-mail distributed by a Christian minister to people, including myself, on Chemtrail tracker/researcher mailing lists. My heart sunk when I read this e-mail, to think that this piece of trash that wreaked so much pain and havoc in the world was still circulating, now with a 21st century face as the foundation of The New World Order, and associating itself with Chemtrails work. That was just the shot in the foot we all needed.

The Protocols of the Learned Elders of Zion is a totally fake document. It was created circa 1897 during the reign of Czar Nicholas II of Russia, just prior to the Russian Revolution. It was created by that Czars's cabinet as an excuse to crack down on the Bolshevists who were threatening to overturn the Imperial Crown of Russia. These cabinet members penned this "secret" document detailing the plan of the "Elders of Zion", i.e., an elite group of Jewish leaders who wanted to "control the hearts, minds, money of the Gentile world" [re: The Protocols of the Learned Elders of Zion]. The document was written in the form of minutes of meetings between these Jewish elders, meetings that never took place. The minutes of this fictitious meeting revealed the plan of these Jewish Elders to take over the world, overthrow the Imperial Crown nations, and institute their own oligarchy rule, control the world economy, and take away individual freedoms. The Russian cabinet members who created this fake document then signed Jewish names (as many Bolshevists were Russian Jews, like Trotsky) to the document as being the authors of it. They then distributed this document throughout St. Petersburg and Russia. Soon after, the Imperial Guard did crack down, horribly and violently, on Jewish citizens. Rioting ensued in the streets of St. Petersburg and hundreds of Russian Jewish peasants were killed and injured. The Russian film, The Odessa Steps is all about the massacre of scores of Russian Jews by the Imperial Russian guard instigated by this fake document, The Protocols of the Learned Elders of Zion. It was also this document that fired the Russian

Revolution as, after this massacre, the stage had been set for the revenge of the Bolshevists.

Eventually, the document found its way to England and Europe as the crown heads of Europe were related by blood to the Russian Imperial Crown, and thus, all Crown nations were at risk by these Jewish Elders proposal to do away with Imperial rule and rule the world with their own elite group of Jewish financiers. This document circulated throughout Europe and decades later, in pre-WWII Germany where the document re- surfaced at the hands of the Nazi and began its most devastating damage to date. It was championed by Goebbels, Hitler's propaganda minister, as something that would help the Third Reich convince the German people of the growing "Jewish Menace". Suffice it to say, that The Protocols of the Elders of Zion , in the hands of the Nazi's this time around, became the torch that lit the fires of the Holocaust and kept the ovens of Auschwitz burning night and day until 6,000,000 souls had perished. And, despite a formal U.S. Congressional hearing in 1964 which publicly proclaimed the document a fake, The Protocols of the Learned Elders of Zion fluorishes still. In Saudi Arabia, the document is given away free at their Embassy. It also appears on White Supremacist websites all over the Internet as their reason why Hitler should have finished the "final solution".

The e-mail I received, detailing this document, essentially stated that The United Nations' heads were, in fact, the "Elders of Zion" in disguise and that the New World Order was really the original plan described over a century ago by these Jewish Elders in The Protocols. The very fact that it is included in Chemtrails correspondence between fellow researchers/trackers, interested supporters, etc, makes the Chemtrails phenomenon appear to be some sort of "proof" or "evidence" that the Elders of the New World Order are now implementing their plan by aerial biological and chemical poisoning. And, that Chemtrails researchers support this propaganda either tacitly or explicitly. It is truly sad to see this level of ignorance being bandied about like its acceptable reading material, like it has some validity to what Chemtrail researchers/workers believe. If anyone wonders why the mainstream media will not touch the Chemtrails story with a 10 foot pole, this one incident may just have dashed any hope of that. If Chemtrails researchers truly want to be heard by the mainstream media, I suggest they disentangle themselves from this dangerous nuclear weapon of propaganda that is being distributed to Chemtrails researchers. No one, and I do mean NO ONE, in the mainstream media, nor the United States Senate or

Congress, will so much as give any of us the time of day with this racist, hate-mongering albatross around the Chemtrails issue's neck.

So let it go on record here, in this public venue, that I do not support this pitiful, piece of trash, The Protocols of the Learned Elders of Zion , as having any association or relation to serious Chemtrails research, and I, for one, completely dissociate myself, my work, my name, my anything, with anyone who does support it, whether they are fellow Chemtrails researchers or whom they are. You are no colleague of mine if you support this and/or passively keep silent on its distribution. And I certainly do not wish to be considered a member in a group who would pander, for even a moment, to this White Supremacist, Neo-Nazi brainwashing material.

SOME BRIEF CONCLUSIONS:
Although my research and investigation is ongoing, I will offer a tentative conclusion here to Sightings readers as to what appears to be a preponderance of evidence regarding the unusual contrail activity of at least the last 2 years and actually much longer. Briefly stated, as there is much more that needs to be researched and written about the mechanisms involved in this issue, it appears that there have been experimental efforts, on a global level, to create artificial "cloud cover" shields from devastating UV rays that have resulted from an increasingly damaged ozone layer. Recent study findings reported by NASA and NOAA reveal a 60% loss in ozone when measured in an area 11 miles above the North Polar region. This represents a much greater increase in the Arctic ozone depletion than what was measured in the previous decade. Aerial research programs into the ozone problem spearheaded by top aerobiological specialists from Italy and China are leading the way this summer into finding some lasting solutions to the seriously damaged ozone [re: Instituto di Aerobiologica, Florence, Italy] This is a global problem, not just an American problem. From what research I have done into this area, yes, the United Nations is involved, but not for the purpose of instituting The New World Order. Rather, for the express purpose of pooling resources of the best scientific minds throughout the world to devise a solution to the damaged ozone problem with involvement and contribution from just about every world country.

It may have gone unnoticed, and there are those who will disagree with these findings, but the reality is that we have reached a critical stage for

ozone damage. Consider these facts: In the thousands of years that the Earth has been turning every day, in the last 50 years alone, we have managed to destroy a huge percentage of the Earth's ozone layer by the burning of enormous amounts of fossil fuels, and release of chlorflourocarbons into our atmosphere. In those same years, biologists have noted a 50% decline in the amphibian population [re: Biology Archives, United States Department of Energy], at an average rate of 4-5% a year, though some of these losses have been much more sudden. Just a little less than 7% of the amphibian populations studied have gone totally extinct, with the surviving populations in "strong decline" [re: Nature, April 20, 2000]; In the last few years, coral reefs in the world's oceans have been dying. Just recently, off the coast of Florida, marine biologists found the reason - a fungal organism that has proliferated in unprecedented numbers in the oceans is eating them and many other marine lifeforms at a breakneck speed; emaciated sea mammals have beached themselves on shores with holes in their skin, dying from some cancer-like disease process we don't quite understand; "red tides"of pfeisteria, an ancient organism from the days of dinosaurs, eating holes in fish, infecting fishermen, and anyone else wandering into the water, with devastating illnesses and skin infections; scores of water fowl and fish have turned up dead on Great Lakes shorelines from polluted waters; plants and trees are increasingly infected by fungi and molds, like scaly crawler and worse, rotting them away; the human population in the last several years is experiencing dramatic increases in devastating fungal based diseases.

What's happening here? When the first creatures to swim in the primordial waters of Earth - the amphibians - those creatures who have been here long before man ever stepped on the Earth, suddenly become prey for another prehistoric fungus, chytrids, in the last 20 months, after previously cohabiting alongside them without incident, then begin wiping out amphibian populations around the world - something is seriously, seriously wrong with our ecosystem. And, the human population is just now starting to feel the effects. That something seriously wrong is, in part, a perilously damaged ozone layer that has allowed a dramatic increase in UV/UV- B ionizing radiation which can penetrate water several feet. This could account for the cancer-like skin diseases of sea mammals. Skin cancers in the human population, from UV radiation exposure, has experienced a sharp increase in the last several

years as well. The constant release of an overabundance of CFCs into the atmosphere has also caused a serious warming of the Earth which allows the proliferation of fungal organisms, bacteria, and viruses. The other side of that coin is an increasingly polluted environment from our slavish dependence on fossil fuels, "superfarming" and the overuse of fertilizing agents which run-off into ponds, lakes, rivers, streams, and provide the perfect breeding grounds for the overgrowth of fungal organisms. Team that with acid rain and you've added some more food to the fungal growth factor. All these factors have a synergistic effect on each other and result in an ecosystem dangerously out of balance, teetering on being overrun by fungal organisms that are causing the demise of many life forms, plant and animal. These organisms (algae, and its relatives molds and fungus) were the very first lifeforms on Earth dating all the way back to the days of purely protozoan life forms. That they are still around today not only going stronger than ever but apparently mutating into a predator for our oldest ancestors, the amphibians, says a lot for their formidable constitutions and does not bode well for us.

What do Chemtrails have to do with fungus? It is my belief that the increased aerial activity needed to create a reasonably constant, at least partial, cloud cover, necessary to keep dangerous UV/UV-B rays at bay, have sensitized human respiratory systems to such an extent that leaves them susceptible to the growing fungal menace in our environment. These sensitizations, or allergic reactions, could be caused by either by the kerosene-like jet fuel (JP-8 and JP8 + 100) used by the jets that make these cloud-cover contrails. These kerosene-like fuels have a high carbon burn-off residue and their aerosol has been cited by OSHA to be problematic to human respiratory sytems [re: OSHA studies JP-8 ground crew results, March 1999] resulting in prolonged bouts of bronchitis with a hacking cough and sore throat. Or, perhaps, there is an as of yet unknown ingredient present in the contrails themselves that could be causing the sensitization, although I would think this less likely. To date, inquiries into efforts to perform spectragraphic studies on contrail aerosol have not yielded any agencies willing to take on the task.

In people with asthma or already-existing environmental allergies, their symptoms are much more acute. I have interviewed many people who tell me that they have environmental allergies and/or asthma and that when they go out under heavily contrail'd skies their symptoms increase

dramatically. Conversely, individuals who don't have environmental allergies seem to suffer much less severely from being exposed to contrail laden skies and some not at all. This nearly constant sensitization by the constant exposure in the environment to the fine carbon particulate combustion residue from jet fuel in our breathing space, compounded by other environmental pollutants, works to create an environment inside the lungs, nasal passages, eyes, skin, i.e. increased fluid, that promotes fungal growth and assists fungal infections to take stronger hold. And once a fungal infection takes hold in lungs and other organs this makes a person much more susceptible to bacterial and/or viral infections setting in, creating a seriously ill patient. I believe this is what accounts for the "flu-like" illnesses that people have reported - not flu at all, but a fungal respiratory syndrome with more than likely bacterial and/or viral accompaniments. Airborne fungal pathogens (from inhalation of their spores) affect the upper respiratory system, as well as ears and eyes, causing symptoms similar to flu, pneumonia and even tuberculosis, as well as conjunctivitis "pinkeye". These fungi also can spread to tissues throughout the body, causing widespread disease.

Really good statistics on fungal based diseases do not exist as they are not, as of yet, communicable, i.e. passed from person to person, diseases like STDs, TB, etc. and do not need to be reported to the CDC or state health departments. However, it is reported in clinical literature on fungal infections that they are quite definitely on a dramatic rise in the human population. They have always affected those with comprised immune systems, but people with normal immune systems have experienced a dramatic rise in fungal infections recently in the United States. For instance, in the 1980s, in California, one of the sunshine states that typically have low growths of fungus because of the relative dryness, fungal infections were low. In the last five years, fungal infections in California, and other dry western states with typically lower fungal infection rates have literally skyrocketed. And in states, like Michigan, with dark, lush forestry and lots of rain and not a lot of hot sunshine that provides the perfect growing fields for fungus, fungal infections of all types are at an all time high. Unusual fungal infections, like rhinosporidiosis, are more and more cropping up in nonindigenous areas like North America where previously they were only found in India and Asia. The infecting fungal organism is either being carried by the jet stream or tropical storms, or, perhaps, birds. Global warming

compounded by El Nino has caused this fungal overgrowth, and even bacterial and viral proliferation. Organisms that would normally die off in cold weather have stayed around longer, allowing for a much more concentrated proliferation of pathogens present in the atmosphere. Every time we take a breath in our current environment, we breathe in fungal spores, bacteria and viruses of a much higher degree than we ever have in the past, accompanied by environmental pollutants which serve to sensitize our lungs and our bodies to becoming the perfect host for these organisms to take root in causing numerous disease processes like pneumonia, and other upper respiratory illnesses, ENT illnesses, meningitis, heart disease, gastrointestinal disease, vision problems, hearing problems and skin problems.

And what about those low-level C-130 biological material drops? Although I have no definitive proof of this, and may never find it, judging by the research and facts I have to date, I believe these are efforts to address the ensuing fungal infestation problem at ground or near-ground level. These "goo drops" in residential areas, by the way, have also been reported in Italy, Australia, and England. By dropping organisms into the environment in this way, perhaps, these are efforts to try and eradicate, or slow down the rapid environmental growth of, these organisms.

This is a brief synopsis of on-going research I am doing into this phenomenon, and I will continue to document this phenomenon throughout the summer of 2000 and hope to have more definitive answers by then which I will then share publicly with everyone. If we are at a critical level for ozone damage and experimental efforts via creating man-made cloud cover are underway, and human illness may necessarily be a part of it, is there anything that the public can do to minimize getting one of these fungal infections? Yes. They are:

From: sightings@pop.mindspring.com Date: Sun, 18 Jun 2000 01:47:34 -0700 To: neff1@mindspring.com Subject: Fwd: PART III: CHEMTRAILS: FACTS, PLAGIARISM, PROPAGANDA
        (PART III)

1. Eat a low refined sugar diet. Fungal infections thrive on sugar.

2. Keep your homes as clean as possible. Use bleach to clean your showers and basements on a regular basis. Fungus thrives in dark, wet environments, especially black mold which causes a very serious upper respiratory illness.

3. Stay away from yeast products if at all possible. This includes all bakery items like bread, cake, doughnuts, etc., in short anything that contains yeast.

4. Use antibiotics judiciously. Although antibiotics do not have a large effect on killing fungal infections, you really need antifungal medications to accomplish that, antibiotics weaken the immune system and set up perfect environments in the intestinal tract for candida, a fungal organism, to overgrow. Candidal infections are often overlooked as they cause symptoms that mimic other disease processes. Use acidophilus products, or plain yogurt, to restore the correct balance of intestinal flora if you absolutely have to take antibiotics.

5. Keep yourself clean. If you garden, wash your hands extremely well after handling trees and/or plants with any fungal infestation on them.

6. Eradicate, as best as possible, any fungal growths near your home, on trees, on plants, etc. 7. Stay as healthy as possible. Eat a diet high in protein and low in carbohydrates. Take such supplements as grapefruit seed extract, olive leaf, and other anti-fungal supplements which will help you fight fungal infections from gaining a stronghold.

8. Stay away from alcohol, specifically beer. The ingredients in beer cause candidal infections to fluorish. If you must drink alcohol, drink red or white wine but sparingly as the sugar in alcohol also contributes to fungal infections.

I welcome any comments on the information given in this article. If anyone would like to contact me, feel free to do so at the following e-mail address. In another month or so, my website will be back up and functioning and I would invite anyone to please visit it for regular updates on the research I am doing into both programs to repair the ozone layer and the growing fungal disease threat. (End of article by M Cassani)

Comment
Ken Adachi. <Editor@educate-yourself.org>
6-21-00

Dear Jeff,
Just read "Chemtrails-Facts, Plagiarism, And Propaganda" posted at Sightings.com. by Margaret-Erminia Cassani, the woman who jointly

authored the "Sky Samples Analysis" with William Thomas back in April '99.
Printed out, it ran to 33 pages.

Conclusion? The government is really trying to help and protect us from diseases caused by an escalating proliferation of airborne fungal pathogens due to excess UV radiation which is caused by ozone depletion, which in turn is due to Global Warming (Gee, where have I heard that explanation before? Hmmm...). All attempts by "cut & paste" (1)chemtrail authors to assign nefarious government motives ("the 'cull' theory is just plain illogical") or New World Order hysteria (2) to such phenomena are now on notice to keep their distance and give her wide berth.

After all, she's a 'serious' Chemtrails researcher.
Some quotes:
(1)" I would like to detach information I contributed to chemtrails research from some dangerous propaganda that is being woven into many of these 'cut and paste' Chemtrails articles."
(2)"I think all serious Chemtrail researchers should forget this one and quit scaring the poor senior citizens and chronically ill into heart attacks or committing suicide or homicide out of depression and/or anger brought on by the public airing of these scenarios."
Oh yes, "The Protocols of The Learned Elders of Zion", is a "totally fake document".
(the only thing she left out, it seems, is that Billy Meier is a nut case and made the whole thing up)
(End of Commanet by K Adachi)

Comment
From: "Matt Ridgway"
            <matt@abacuspub.com>

I'm not quite sure what Margareta- Erminia Cassani has accomplished with her verbose diatribe regarding the chemtrail issue other than to set the world record regarding the use of the phrase "cut and paste". (No less than 11 times, count em, ELEVEN!!) Cassani states early in her post that the chemtrail issue is completely separate from her research, with the main crux being that authors of dubious worth have co-opted her research to extrapolate totally unrelated conclusions. Bravo. In the future I'd suggest that a legal copyright infringement suit might prove more productive than composing this self-serving yawn-fest of a manifesto. If authors are to be chastised for broad speculation then I would respectfully submit the fault lies more with state and federal agencies who continue to ignore this issue, thus assuring it

remains firmly planted in the 'fringe lunatic' venue.

We base our conclusions on admittedly flawed personal observation and experience, as apparantly much of Cassani's research has been. Without a doubt there are unreliable, half-baked theories that abound on the Internet. It is the reader's responsibility to decide for themselves what information is germain and what is not. Cassani's post is filled with so many ill-conceived notions and contrary aspects that I would take up as much space as the original article to effectively dispute it, something I'm sure NO ONE would have the attention span to undertake. I do find Cassani's insulting demeanor and self-importance amusing to say the least. Billing herself as a 'health and medical writer', (a vague reference to a career that has thus far yielded little, if any notariety since I've never heard of her. Although I'm sure her upcoming book will at least land her her 15 minutes on 'Dreamland'!) she sites her scientifically valid investigations yet again and again refuses to name anyone associated with these investigations.

This is supposedly for 'security' or 'privacy' issues, however, I find it extremely hard to believe that by merely mentioning someone's name that they must then be 'flooded' with web lunatics clamoring for...what...brown goo? Cassani's take on HAARP is also woefully misinformed, bordering on downright ignorant. Cassani states that HAARP's purpose is: "The HAARP program is one such defense project which, basically stated, manipulates the ionosophere to become a shield that would deflect incoming missiles from entering our country if, suddenly, our global "trading buddies" decide they don't want to play Monopoly with us anymore and would rather just take us off the playing board completely." WHAT?!?? A shield to deflect missles?!!?? I won't even dignify this unbelievably ignorant statement by correcting it, suffice to say that HAARP does indeed manipulate the Ionisphere but is totally incapable of generating a defensive shield of any kind. A glaring mistake for such a learned science author. It seems that tossing around regurgitated 'science speak' like 'cross vector' and 'jumping vector' is meant to dazzle the reader with Cassani's undeniable mental prowess. yawn I remain unimpressed.

Cassani rails about everything from complex chemistry to early Russian Bolshevic history without missing a beat, leaving me with the impression she's either the most intellectually diverse and impressive researcher ever or simply another armchair 'cut and paster' with a decent

vocabulary. Cassani vears from writing a serious treatise on her research to employing classic disinformation techniques to muddy the overall issue. When addressing the possibility of the spraying being a vaccination program, Cassani virtually states that such a practice, though most-likely ineffective, would be useful in today's 'biological terrorist society' we live in (another classic fed excuse for justifying illegal activity). That is except for all the fools and malcontents who, despite being plainly warned of an impending threat, would STILL refuse a federally mandated vaccination, thus proving themselves a bigger threat than the illness itself.

What the HELL is she talking about? That people who refuse vaccinations are STUPID? That's not a judgement she gets to make. And finally, Cassani's 'conclusions' are the single worst aspect of this wrong-headed treatise. Invoking such cliche'd causitives as El Nino and global warming, Cassani reckons that the whole chemtrail issue (which she started out stating, and reiterated several times was a completely separate issue from her research) is little more than an attempt to compensate for ozone depletion. It should be obvious by now based on all available information and activity that I myself have witnessed again and again, that the chemtrail spraying is most likely weather modification.

The end result of chemtrail spraying is invariably a re-inforcement of existing cloud structures, or the creation of completely new ones. No big mystery there. I almost look forward to Cassani's book being released. The proof will definitely be in the pudding, and I daresay that I suspect her conclusions in novel form will be every bit as biased and wrong as they were in this article. Send me a copy, I'll be glad to review it for Rense.com.

Matt Ridgway
(End of Comment by M Ridgeway)
From Rense.com

Courtesy Keelynet TOC
02/04/07 - **Giants in Americas** - Death Valley, California - Cavern Temple of Giants
The following are actual accounts of giants in North America. "Atlantis in the Colorado River

Desert" - 1947 Nevada news: Near the Nevada - California - Arizona border area, 32 caves within a 180 square mile area were discovered to hold the remains of ancient, strangely costumed 8 -9 foot giants. They had been laid to rest wearing the skins of unknown animals similar to sheepskins fashioned into jackets with pants described as "prehistoric Zoot suits". The same burial place had been found 10 - 15 years earlier by another man who made a deal with the Smithsonian. The evidence of his find was stolen and covered up by Darwinian scientists. Dr. Russell reported seeing hieroglyphics chiseled on carefully polished granite within what appeared to be a cavern temple. Another cave led to their sacred hall which contained carvings of ritual devices and markings similar to those of the Masonic Order. A long tunnel from this temple led to a room where, Hill said, "Well-preserved remains of dinosaurs, saber-toothed tigers, imperial elephants, and other extinct beasts were paired off in niches as if on display." University of Arizona professor Vine Deloria, himself a Native American, made a similar accusation against the Smithsonian for covering up the remains found within the burial mounds of the Moundbuilder civilization. Surviving diaries from before the time Darwin attest to these discoveries. The Moundbuilders were a different civilization than that of the Indians, they said. The mounds contained the remains of hundreds of giants along with the bones of giant mastodons. In Cincinnati, Ohio the giant bones were found with large shields, swords, and engraved stone tablets. In Kentucky and Tennessee the bones of "powerful men of towering stature" were excavated. One of these 7 foot men was buried with an engraved copper plate beneath his head. A woman was also found. She was wearing a silver girdle with letters written on it. The Detroit Free Press reported in 1884 the discovery in Gartersville, Mississippi of the remains of a giant with waist-length jet-black hair. He was wearing a copper crown. With him in his timber burial vault were his children who wore garments decorated with bone beads. The tomb was covered with large flagstones engraved with inscriptions. In Cayuga, Niagra there is a place called "The Cemetary of the Giants" which was discovered in 1880. Those giants were 9 feet tall and appear to have died violent deaths. Their axes were found with them. Giant bones were also unearthed from a rock fissure on Lake Erie Island. In some of the finds of giant bones, the bones lay in confusion as if left on a battlefield.

http://english.pravda.ru/science/mysteries/01-02-2007/86972-giants-0

Courtesy *Keelynet*

05/02/07 - Businesses Scramble To Stay Out of Google Hell (Murphy's Law in action. - JWD) "Forbes has up an article on the consequences of being dumped into a claimed 'supplemental index', also known as 'Google Hell'. It uses the example of Skyfacet, a site selling diamonds rings and other jewelery, which has dropped in Google's rankings and saw a $500,000 drop in revenue in only three months after the site owner paid a marketing consultant to improve the sites. The article claims that sites in the supposed 'supplemental index' may be visited by Google's spiders as infrequently as once per year. The problem? Google's cache shows that Google's spiders visited the site ss recently as late April. 'Google Hell is the worst fear of the untold numbers of companies that depend on search results to keep their business visible online. Getting stuck there means most users will never see the site, or at least many of the site's pages, when they enter certain keywords. And getting out can be next to impossible—because site operators often don't know what they did to get placed there.'"

Courtesy Keelynet

Metaphysical Adventures

Note- This review was included in this column not only for the interesting thoughts therein, but also because the basic idea could offer lots of fodder for the creative Remote Viewer - Editor

Book Review TOC

By Zuerrnnovahh-Starr Livingstone

Decoding the Message of the Pulsars, Intelligent Communication From the Galaxy

by Paul A. LaViolette, PH.D.
Publisher: Bear & Company, Rochester, Vermont

This book was a Christmas present from Joan. I finished reading it on January 27, a bit slow for me but it is dense with information. The key point LaViolette makes is that pulsars, radio frequency stars, are beacons located near nova or super nova remnants by extra terrestrial intelligences (ETI).

Over 1500 pulsars have been discovered in our galaxy since their discovery in 1967. The theory that still holds sway in the astrophysics departments around the world is the "neutron star lighthouse beacon model": A twenty mile diameter neutron star remains after a super nova and spins rapidly with a strong magnetic field at ninety degrees to the spin axis. The theory has so many patches covering its deficiencies that it is nothing but patches.

LaViolette goes into great detail on how the lighthouse model has fallen apart and how the only adequate explanation is that they are artificial beacons. He lists fourteen characteristics of the pulsar signals lending credence to the ETI model.

Talking about this book review with Ken Adachi, he directed me to look into Dr. Richard Boylan's "Aviary" list of Majestic 12 scientists. Dr. Paul A. LaViolette is not cited in the old guard of the of special study group but he does include information in this book only a select few would know. Definitely he is one who favours public disclosure of knowledge of aliens as some of the members of the Aviary have advocated.

In order to construct an Earth based beacon able to return a signal to the stars LaViolette explores the possibility of scaling up existing Star Wars (SDI) technologies. I have suspected the existence of such powerful beams but have not read about them elsewhere. It was new to me. He also goes into microwave frequency repelling rays theoretically useful in protecting Earth from solar coronal mass ejections, supernova superwaves and galactic core superwaves. He quotes the actual US Patent proving that microwaves can exert a repelling force. He theorizes it is possible to create a microwave bubble around the solar system to protect life on Earth from cosmic rays, x-rays and other high energy particles of a nearby nova or another galactic core superwave.

Paul LaViolette believes the pulsars are an ETI warning system for galactic core superwaves.
In his earlier book, "Earth Under Fire: Humanity's Survival of the Ice Age", Laviolette writes the sudden thaw could have been caused by a galactic superwave. The ice got warm rather quickly. The novae near the present pulsars locations burst as the galactic core superwave washed over them in sequence. The new superwave travelling at nearly the speed of light would be upon us soon after the pulsars and stars nearer the core winked out due to a veil of high velocity particles.

I slept many nights on this doomsday scenario.
I awoke each day with a bit more information. First of all, I saw the Earth is already girded with many layers of protection. Second, only 1500 out of a hundred billion stars went nova. That is 0.0000015% of the star population went nova in our galaxy. Third, those stars who went nova coordinated their starbursts with the galaxy and nearby stars. The nova is an act of a new creation, and new stars being born. Fourth, all the planets

with third dimensional life were protected or the beings were moved to other planets. Earth today is a Noah's Arc of Life for 3700 planets. Meaning, Earth is well protected indeed.

Paul LaViolette recognizes the Crab Nebula Nova as an artificial explosion. It is as if a huge nuclear shape charge blew it into a galaxy shape. There are other examples of artificial starbursts including the much photographed Hourglass Nebula.

It is important for remote viewers who travel to distant stars to recognize everything, stars, planets and moons as living beings. Native shamans get better information because they see life everywhere. Those who search the stars considering them as dead matter find dead matter and many conundrums.

Carl Sagan is mentioned in this book with respect to the plaque he helped designed for the Pioneer 10 spacecraft. Sagan uses pulsars to pin-point Earth's location. In all likelihood Sagan had realized pulsars as ETI beacons thirty years ago. In his book and movie "Contact", Sagan again recognizes there is a network of nodes for communications and travel between the stars in our galaxy.

Another galactic core superwave might be coming but I do not fear it.

Zuerrnnovahh-Starr Livingstone
© educate-yourself.org

The Rise And Fall Of Continents
By Zuerrnnovahh-Starr Livingstone

The current continental drift theory does not address the rise and fall of continents. Supposedly the ancient Pangaea super continent split into pieces and the pieces migrated to where they are now a bit battered on the edges but still the same landmass. The lack of an explanation for fossils high in the mountains is unsatisfactory. Accepted as fact but unexplained are the many times the Great Plains of America were submerged. The fossil record shows inland seas covering much of the Mississippi Basin.

A theory on the mechanism driving this process is what I will be covering in this short essay.

In the essay "What Resides At Depth" I describe the different types of Hot Spots and the different

materials rising out of the earth's mantle. I ended the essay with an explanation the ancient stonemasons 12,000 years ago understood the shifting continents and were able to anchor most of Africa in one relatively stable position. This continent of stability on a dynamic world minimized the loss of civilizations after the sinking of Atlantis.

I believe the now submerged Atlantis was the island continent of which Plato wrote, lying between the Azores and Canary Islands in the North Atlantic. Those remaining islands are the highest points on the Mid-Atlantic Ridge and at one time snowy mountains of the central mountain range of Atlantis. The mechanism which lifted Atlantis is the same one now lifting Iceland. Iceland is a remnant of Atlantis uplift. These are pieces of land are not included in the Pangaea Theory as they are proposed to be part of the thin crust underlying the oceans. Are the ocean bottoms always to remain beneath the waves? I do not believe so.

The crust under the ocean depths is about ten miles thick according to seismic research. The crust under the continents is up to forty miles thick from the same earthquake readings. Even though there are differences in the thickness of the crust it is still possible for ocean bottom to rise above sealevel.

Research of the depths of the mantle show plumes of hot materials rising from deep in the planet. In an article in Scientific American in the late 1990s a strong plume is now pushing at the underside of Australia. The continent is being lifted and may double in size. Australia is also moving northward into Indonesia and the collision of lands will lift the volcanic islands. As Australia is on the same tectonic plate as India, as Australia rises India will tilt down. The same article reported the plume under North America is ebbing and the continent is slowly sinking. The American inland sea is returning as our dynamic planet rebalances its topography.

In other essays I wrote I was taught the Earth is hollow. The hollow Earth is explainable by electro-gravity and nesting multi-dimensional energies. The Earth is also an ancient highly salient living being. Seismic anomalies in transit times at the theorize core/mantle layer are due to the brittle second crust inside the planet. The transmission of "straight through" P-waves is due the core acting a single structure again due to its cooler nature. The whole of the core acts like the resonant box of a guitar. The plumes of hot matter flowing from the inner mantle to the outer crust is the rebalancing of internal energies generated by the multi-dimensional living Earth. The decision to lift Atlantis was a conscious choice by Gaia. The decision to submerge Atlantis was likewise a choice. The slow sinking of North America serves a purpose. The new lands of Australia also have a purpose. The purpose is the spiritual evolution of all the living beings inside and outside the planet. When a land like Atlantis become heavily polluted the only way to wash it clean is to submerge it. The pollution was physical, mental, psychic and spiritual. Horrendous acts of black magic had crippled spiritual evolution on the continent. The imbalances had threatened the stability of the whole planet. 12,000 years ago the Giza complex was built to address the problem of the submergence of Atlantis and anchor the grid energies of the World Tree.

The mantle is the living wood of the World Tree. The inner and outer crusts are the bark of the World Tree.

Atlantis, volcanic and rough was fertile. It grew every kind of fruit and tree. It lacked in minerals and so it created a commerce to gather what it needed. The commerce made the island continent the destination of the wealth of the planet, impoverishing the majority of the people. The wealth of Atlantis was coveted and resented. The Atlantean civilization was worldwide and the pieces of the culture are spread around the planet. Megalithic structures have an Atlantean origin. As the land had many earthquakes it was necessary to work with stone in a way that the structures would survive. Pyramids dotted the landscape and were copied in Sumer, Egypt, Central America and China. A pyramid is an inherently stable structure. Stones of great size were cut with sound and lifted by song. Alas, they poisoned their land and it sank into the sea...if they had not poisoned the land it might still be above the Atlantic not awash with cleansing saltwater.

The ultimate decision to raise and lower continents is made by the Earth. The mechanisms are multidimensional. The spirit of the planet is not cruel. This is an evolutionary world where young souls learn their first lessons. Mothers are constantly tending and washing their young, Mother Earth does the same.

Zuerrnnovahh-Starr Livingstone
© educate-yourself.org

05/04/07 - To Treat the Dead

Consider someone who has just died of a heart attack. His organs are intact, he hasn't lost blood. All that's happened is his heart has stopped beating—the definition of "clinical death"—and his brain has shut down to conserve oxygen. But what has actually died? According to Dr. Lance Becker, an authority on emergency medicine at the University of Pennsylvania. "After one hour," he says, "we couldn't see evidence the cells had died. We thought we'd done something wrong." In fact, cells cut off from their blood supply died only hours later. But if the cells are still alive, why can't doctors revive someone who has been dead for an hour? Because once the cells have been without oxygen for more than five minutes, they die when their oxygen supply is resumed. Biologists are still grappling with the implications of this new view of cell death—not passive extinguishment, like a candle flickering out when you cover it with a glass, but an active biochemical event triggered by "reperfusion," the resumption of oxygen supply. Mitochondria control the process known as apoptosis, the programmed death of abnormal cells that is the body's primary defense against cancer. "It looks to us," says Becker, "as if the cellular surveillance mechanism cannot tell the difference between a cancer cell and a cell being reperfused with oxygen. Something throws the switch that makes the cell die." When someone collapses on the street of cardiac arrest, if he's lucky he will receive immediate CPR, maintaining circulation until he can be revived in the hospital. But the rest will have gone 10 or 15 minutes or more without a heartbeat by the time they reach the emergency department. And then what happens? "We give them oxygen," Becker says. "We jolt the heart with the paddles, we pump in epinephrine to force it to beat, so it's taking up more oxygen." Blood-starved heart muscle is suddenly flooded with oxygen, precisely the situation that leads to cell death. Instead, Becker says, we should aim to reduce oxygen uptake, slow metabolism and adjust the blood chemistry for gradual and safe reperfusion. "In an emergency department, you work like mad for half an hour on someone whose heart stopped, and finally someone says, 'I don't think we're going to get this guy back,' and then you just stop," Becker says. The body on the cart is dead, but its trillions of cells are all still alive. Becker wants to resolve that paradox in favor of life.

05/06/07 - Nature inspired Vacuum gap electronics TOC

IBM is learning from naturally-forming patterns that create seashells, snowflakes and tooth enamel to build its next family of computer chips. IBM said the "self-assembling nanontechnology," expected to be integrated into its chips in 2009, increases the flow of electrical signals by 35 percent while using 15 percent less power in comparison with traditional chip-building techniques. The new process involves the use of "airgap" insulation for the millions of electrical paths, or ultra thin copper wires that make up each chip. Carbon silicate glass insulation is now used to keep the electrical signal in each path separated so data can be processed properly. Without proper insulation, the signals could become jumbled. Airgap technology relies on a vacuum between the wires to keep data paths separated. Vacuum is a better insulator than carbon silicate, which becomes more fragile as chip components and circuits get smaller, the company said.

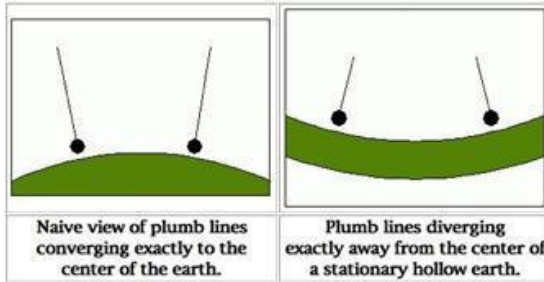07/06/07 - Researchers Prove Existence Of New Type Of Electron Wave TOC

"The acoustic surface plasmon, which will have implications for developments in nano-optics, high-temperature superconductors, and the fundamental understanding of chemical reactions on surfaces. [...] 'The existence of this wave means that the electrons on the surfaces of copper, iron, beryllium and other metals behave like water on a lake's surface,' says Diaconescu, a postdoctoral research associate in the Condensed Matter Group of the physics department at UNH. 'When a stone is thrown into a lake, waves spread radially in all directions. A similar wave can be created by the electrons on a metal surface when they are disturbed, for instance, by light.'"

"People who shut their eyes to reality simply invite their own destruction, and anyone who insists on remaining in a state of innocence long after that innocence is dead turns himself into a monster."

James Baldwin Biography - Fiction Writer, Essayist, Social Critic, 1924-1987

Courtesy Keelynet
06/01/07 - Hollow Earthers' favorite experiment analyzed TOC

Naive view of plumb lines converging exactly to the center of the earth.

Plumb lines diverging exactly away from the center of a stationary hollow earth.

In 1901 a mining engineer named J.B. Watson was said to have dropped plumb bobs down two 4250 foot mine shafts spaced 3200 feet apart. His measurements indicated that the plumb lines were farther apart at the bottom than they were at the top. In other words, they diverged as they descended. Common sense would tell you that the lines would converge as they descended, because the lines should point towards the center of the Earth. For the last century, some people like to point to the Tamarack Mines experiment as proof that the Earth is hollow. Donald E. Simanek, who writes for MAKE magazine about curious physics has an excellent article on his website that recounts the history of the alleged experiment, and examines the different frequently-offered reasons why plumb lines might diverge like this. More Info
Courtesy Keelynet

Bonus Features

Tourmaline, Water and the MRET
Be sure to check out
http://oregonite.blogspot.com/
and http://biogenesislab.blogspot.com/
for a ton of tech info on materials similar to orgone matrix material and other alternative technologies.

Tourmaline - A source of Far Infrared (FIR) and Negative Ions TOC
By Thomas Aaron
courtesy http://oregonite.blogspot.com/
and http://biogenesislab.blogspot.com/

Bi-coloured tourmaline crystal, 0.8 inches long (2 cm).

Made without a camera by laying the item on a flat bed scanner.

Taken by Adrian Pingstone in May 2003 and released to the public domain.

(courtesy wikipedia)

Tourmaline is prized as a beautiful, semi-precious gem.

Now, as a mineral, it has become a focus of research at universities and research centers worldwide.

The reason - infrared Tourmaline is the only one mineral to show permanent electricity on the earth and is also a natural (non-manufactured) source of negative ions and far infrared (FIR) rays.

It is also known to be helpful for improving circulation, relieving stress, increasing mental alertness and strengthening the immune system function (Niwa Institute for Immunology, Japan. Int J. Biometeorol 1993 Sep; 37(3) 133-8).

Around 1986, it was found in a research station in Japan that, even though tourmaline was broken down in smaller pieces, a positive and a negative electrode existed on both end of the crystal, and the electrodes never disappeared unless tourmaline was boiled near 1000°C.

In addition, when the positive and the negative electrodes of a tourmaline crystal were connected to each other, it was proven to show low electricity of 0.06mA.

Tourmaline, in your filter, is used to naturally transform water into mild alkaline water, reduce water clustering (what happens to our stored water) and has anti-bacterial and deodorant qualities.

Treated water applied to the skin gives an excellent effect of moisturizing and absorption.

In addition, Tourmaline generates FIR that purifies the water, and acts like a 'supercharger', assisting the water alkalizer to ionize and alkalize.

Tourmaline has been researched and found to activate animal & plant metabolism.

Tourmaline has an immediate and powerful effect on water in the filter with the surfactant effect (makes water wetter) increasing by 101%.

Negatively ionizes water and supports extra negative ionization in the water alkalizer. (24,140/cc) / FIR (96%)
Reduces cluster size
Enhances taste
Assists alkalization
Minimizes water odor
Increases DO (Dissolved Oxygen)

The far infrared energy that Tourmaline naturally emits causes a resonance in the body at the same frequency as water.

All matter is made up of uniquely-arranged electrons and molecules all moving in unison.

When molecules are illuminated with electromagnetic radiation of the same intrinsic vibration frequency as the substance itself, the electromagnetic wave energy is absorbed and the amplitude of that substance's molecular vibration is increased.

That's why when FIR, having the same vibration frequency, illuminates a substance, that substance will filter out the FIR and experience a "resonance absorption." This is a process known as "resonance-absorption to heat-generation" with the aid of FIR.

In other words, the vibration of atoms and molecules will result in resonance absorption.

When we feel hot, we will instinctively seek shade. When we feel cold, we seek the warmth of sunshine. No one teaches us these responses. We have an innate desire for a comfortable temperature. Comfortable temperatures are actually synonymous with a comfortable energy frequency or "wavelength." That wavelength happens to be 8 to 14 microns - the same as FIR.

The seventy-five percent of our bodies composed of water, protein, fat and other substances - all must function properly to sustain life.

When living things absorb FIR of 8 to 14 micron wavelength, they experience resonance absorption. The vibrating movement of molecules in living tissue produces an increase in energy which in turn activates cells and enhances metabolism.

FIR has three properties: radiation, deep penetration, and resonance absorption. Let's look at the relationship between these three properties and living things.

First, radiation: it means it can directly reach human bodies just like light does. For example, sunlight, which is also radiation, reaches earth through the vastness of space.

Second, deep penetration: FIR can reach well into subcutaneous layers of the body (or water) with its deep penetration ability, generating internal warmth suitable for molecule activation in living tissue.

The third feature is resonance absorption: Once illuminated, there is intrinsic vibration of body components - water, protein, fat, enzymes. And, the interior of molecules - atoms and atomic structures - experience the resonance absorption of FIR of their same frequency. This elevation of molecular energy is known as "resonance and absorption."
© *Thomas Aaron*

Bio-Magnetic Hydrology: MRET Smirnov
The Effect of a Specially Modified Electromagnetic Field on the Molecular Structure of Liquid Water TOC

© *Copyright 2003 by Dr. Igor V. Smirnov, Ph.D. & M.S., and President, Global Quantec, Inc.; USA (Explore Issue: Volume 13, Number 1)*
courtesy http://oregonite.blogspot.com/
and http://biogenesislab.blogspot.com/

Water is the foundation for all life processes. Although even today most of people still assume that water is only H2O. It has been proven that water has a very complicated structure which was only recently begun to be researched. It is not surprising, therefore, that when judging the quality of water, its structure (molecular orientation in space) is seldom considered. Modern research in biophysics proved that even slight change in molecular structure of water could dramatically change physical and physiological properties of water. Water has the capacity to receive, store and to pass on information in the form of electromagnetic signals. In general this process is

similar to the process of receiving and storing information in the silicon chips of modern electronics. It is probable that the information retention within water results from dynamic modification of the molecular structure of water. This property of water is especially important for living organisms: on the one hand water acts as an information carrier within the organism itself, while on the other hand; essential information necessary for life is carried by water from the outside environment into the metabolism. It is generally known that all metabolic reactions in two living organisms take place within colloidal solutions. In colloidal solutions substances are dispersed in such a fine manner that they can no longer be differentiated from the liquid.

Important examples are blood, plant juices, etc. Disturbances of these colloidal systems, or even worse, their total disruption, are synonymous with degenerative conditions of diseases. There is a relationship between the health of living organisms and the colloidal state in its tissues. The stability of colloidal solutions stands in a direct physical relationship to the molecular structure of water. It is important for the stability of colloidal systems that the structure of water exerts a great degree of organization upon the colloidal particles. The extent and propagation of such an ordered state throughout the water could be described as its information content. Another word the more organized the molecular structure of water the more stable is colloidal system. In this way we can recognize the relationship between the function of water as the carrier of information and its role as the fundamental carrier medium for colloidal systems. Good drinking water, which meets these requirements, can stabilize the colloidal condition within our body fluids and considerably influence and promote cellular health. Whether or not water can meet these requirements cannot be determined exclusively through quantitative analysis of dissolved substances or chemical purity tests. An equally important determining factor, perhaps having even greater significance, is the prior physical history of the water itself.

There are lots of types of purified waters such as spring, distilled, colloidal, and nanoclustered waters. But no process has previously been known which can alter the molecular structure of water without any foreign substances being introduced into the water. This invention relies on the idea that electromagnetic radiation can affect the atomic and molecular structures of substances. This fact was proved by specific class of experiments involving

Rydberg atoms - atoms with an electron in a highly extended orbital (Rydberg Atoms - Giants of the Atomic World by F. Barry Dunning in Science Spectra issue 3, pp. 34-38, 1995).

The effect an electromagnetic force has on an atom depends on the atom's electronic structure during the interaction. One could imagine that the application of the appropriate time-dependent force to an atom could alter its electronic structure in a specific way, thereby controlling its response to subsequent radiative or collisional processes. Furthermore, the specificity of certain reactions of electronic structure might be exploited to reconstruct the motion of the atomic electron cloud. The key to the manipulation of electronic structure in atoms is the generation of electromagnetic fields or radiation that will push and pull the electronic wave function in a controlled and reproducible way. (Modifying Atomic Architecture by Robert R. Jones in Science Spectra Issue 22, pp. 52-59, 2000). The mechanism that explains the effect of electromagnetic fields on water is related to the existence of defects in molecular structure of water. The stable structural changes in water were detected in experiments by the UV luminescence spectrophotometer. They have been attributed to different water structural defects that include specific centers of luminescence. The nuclear proton spins were considered to be a primary targets of external magnetic fields, since proton lattice of water molecules is unstable and asymmetric. The structural metastability of water was associated with microscopic orbital currents of protons in water-molecular hexagons, and deviation from the stochiometric composition of water. The effects of memory of water interacting with electromagnetic fields were supposed to originate from the oscillations of water molecular hexagons.

SUPERCOIL

Tourmaline

Courtesy Wikipedia

http://en.wikipedia.org/wiki/Tourmaline

Tourmaline in cluster with other minerals This image has been (or is hereby) released into the public domain by its author, Reno Chris at the wikipedia project. This applies worldwide. In case this is not legally possible: Reno Chris grants anyone the right to use this work for any purpose, without any conditions, unless such conditions are required by law.

The tourmaline mineral group is chemically one of the most complicated groups of silicate minerals. Its composition varies widely because of isomorphous replacement (solid solution), and its general formula can be written as

$XY_3Z_6(T_6O_{18})(BO_3)_3V_3W$, where:[3]
X = Ca, Na, K, vacancy
Y = Li, Mg, Fe^{2+}, Mn^{2+}, Zn, Al, Cr^{3+}, V^{3+}, Fe^{3+}, Ti^{4+}
Z = Mg, Al, Fe^{3+}, Cr^{3+}, V^{3+}
T = Si, Al, B
B = B, vacancy
V = OH, O
W = OH, F, O

Tourmaline belongs to the trigonal crystal system and occurs as long, slender to thick prismatic and columnar crystals that are usually triangular in cross-section. Interestingly, the style of termination at the ends of crystals is asymmetrical, called hemimorphism. Small slender prismatic crystals are common in a fine-grained granite called aplite, often forming radial daisy-like patterns. Tourmaline is distinguished by its three-sided prisms; no other common mineral has three sides. Prisms faces often have heavy vertical striations that produce a rounded triangular effect. Tourmaline is rarely perfectly euhedral. An exception was the fine dravite tourmalines of Yinnietharra, in western Australia. The deposit was discovered in the 1970s, but is now exhausted.

All hemimorphic crystals are piezoelectric, and are often pyroelectric as well. Tourmaline crystals when warmed become positively charged at one end and negatively charged at the other. Due to this effect, tourmaline crystals in collections may attract unsightly coatings of dust when displayed under hot spotlights. Tourmaline's unusual electrical properties made it famous in the early 18th century. Brightly colored Sri Lankan gem tourmalines were brought to Europe in great quantities by the Dutch East India Company to satisfy a demand for curiosities and gems. At the time it was not realised that schorl and tourmaline were the same mineral.

Tourmaline has a wide variety of colors. Usually, iron-rich tourmalines are black to bluish-black to deep brown, while magnesium-rich varieties are brown to yellow, and lithium-rich tourmalines are practically any color: blue, green, red, yellow, pink etc. Rarely, it is colorless. Bi-colored and multicolored crystals are relatively common, reflecting variations of fluid chemistry during crystallisation. Crystals may be green at one end and pink at the other, or green on the outside and pink inside: this type is called watermelon tourmaline. Some forms of tourmaline are dichroic, in that they appear to change color when viewed from different directions.

The most common variety of tourmaline is schorl. It may account for 95% or more of all tourmaline in nature. The early history of the mineral schorl shows that the name "Schorl" was in use prior to the year 1400 (AD) because a village known today as Zschorlau (in Saxony, Germany) was then named "Schorl" (or minor variants of this name). This village had a nearby tin mine where, in addition to cassiterite, a lot of black tourmaline was found. The first relatively detailed description of schorl with the name "schürl" and its occurrence (various tin mines in the Saxony Ore Mountains) was written by Johannes Mathesius (1504-1565) in 1562 under the title "Sarepta oder Bergpostill" (Ertl, 2006). Up to about 1600, additional names used in the German language were "Schurel", "Schörle", and "Schurl". From the 18th century on, the name "Schörl" was mainly used in the German-speaking area. In English, the names "shorl" and "shirl" were used in the 18th century for schorl. In the 19th century the names "common schorl", "schörl", "schorl" and "iron tourmaline" were used in the Anglo-Saxon area (Ertl, 2006). The word tourmaline has two etymologies, both from the Sinhalese word turamali, meaning "stone attracting ash" (a reference to its pyroelectric properties) or according to other sources "mixed gemstones". The meaning of the word "schorl" is a mystery, but it may be a Scandinavian word.

The name dravite was used for the first time by Gustav Tschermak (*1836 - †1927; Professor of

mineralogy and petrography at the University of Vienna) in his book "Lehrbuch der Mineralogie" (published in 1884) for Mg-rich (and Na-rich) tourmaline from the village Unterdrauburg, Drava river area, Carinthia, Austro-Hungarian Empire. Today this tourmaline locality (type locality for dravite) at the village Dravograd (near Dobrova pri Dravogradu), is a part of the Republic of Slovenia (Ertl, 2007). Tschermak gave this tourmaline the name dravite, for the Drava river area, which is the district along the Drava River (in German: Drau, in Latin: Drave) in Austria and Slovenia. The chemical composition which was given by Tschermak in 1884 for this dravite approximately corresponds to the formula $NaMg_3(Al,Mg)_6B_3Si_6O_{27}(OH)$, which is in good agreement (except for the OH content) with the endmember formula of dravite as known today (Ertl, 2007).

Schorl This image is a work of the "Minerals in Your World" project, a cooperative effort between the United States Geological Survey and the Mineral Information Institute. The images were featured in the "Minerals and Materials Photo Gallery" on the website of the U.S House Subcommittee on Energy and Natural Resources. As a work of the U.S. federal government, the image is in the public domain.

Tourmaline is found in two main geological occurrences. Igneous rocks, in particular granite and granite pegmatite and in metamorphic rocks such as schist and marble. Schorl and lithium-rich tourmalines are usually found in granite and granite pegmatite. Magnesium-rich tourmalines, dravites, are generally restricted to schists and marble. Also, tourmaline is a durable mineral and can be found in minor amounts as grains in sandstone and conglomerate.

Today, gem and specimen tourmaline is mined chiefly in Brazil and Africa. Some placer material suitable for gem use comes from Sri Lanka. Some fine gem and specimen material has been produced in the US, with the first discoveries having been made in 1822, in the state of Maine. California became a large producer of tourmaline in the early 1900s. The Maine deposits tend to produce crystals in raspberry pink-red as well as minty greens. The California deposits are known for bright pinks, as well as interesting bicolors. During the early 1900s, Maine and California were the worlds largest producers of gem tourmalines. The Empress Dowager Tz'u Hsi, the last Empress of China, loved pink tourmaline and bought large quantities for gemstones and carvings from the then new Himalaya Mine, located in San Diego County, California. [4]

Almost every color of tourmaline can be found in Brazil, especially in the Brazilian states of Minas Gerais and Bahia. In 1989, miners discovered a unique and brightly colored variety of tourmaline in the state of Paraíba. The new type of tourmaline, which soon became known as paraiba tourmaline, came in unusually vivid blues and greens. These colors were often described as "neon" since they appeared to glow. Brazilian paraiba tourmaline is usually heavily included. Much of the paraiba tourmaline from Brazil actually comes from the neighboring state of Rio Grande do Norte. Material from Rio Grande do Norte is often somewhat less intense in color, but many fine gems are found there. It was determined that the element copper was important in the coloration of the stone. The demand and excitement for this new material, which has fetched more than $50,000 per carat, earned more respect for the other colors of tourmaline. In the late 90s, copper-containing tourmaline was found in Nigeria. The material was generally paler and less saturated than the Brazilian materials, although the material generally was much less included. A more recent African discovery from Mozambique has also produced beautiful tourmaline colored by copper, similar to the Brazilian paraiba. While its colors are somewhat less bright than top Brazilian material, Mozambique paraiba is often less included and has been found in larger sizes. The Mozambique paraiba material usually is more intensely colored than the Nigerian. There is a significant overlap in color and clarity with Mozambique paraiba and Brazilian paraiba, especially with the material from Rio Grande do Norte. While less expensive than top quality Brazilian paraiba, some Mozambique material sells for well over $5,000 per carat, which still is extremely high compared to other tourmalines.

Another unique variety that is also highly valued is chrome tourmaline, a rare type of dravite tourmaline from Tanzania which occurs in a very rich green color caused by chromium, the same element which causes the green in emerald. Of the standard Elbaite colors, generally blue indicolite gems are the most expensive, followed by green verdelite and pink to red rubellite. There are also yellow tourmalines, sometimes known as canary tourmaline. Ironically the rarest variety, colorless achroite, is not appreciated and is the least expensive of the transparent tourmalines. In addition to Brazil, significant amounts of tourmaline are also mined in Tanzania, Nigeria, Kenya, Madagascar, Mozambique, Namibia, Afghanistan, Pakistan, and Sri Lanka, and Malawi.[5]

Some tourmaline gems, especially pink to red colored stones, are altered by irradiation to improve their color. Irradiation is almost impossible to detect in tourmalines, and does not impact the value. Heavily-included tourmalines, such as rubellite and Brazilian paraiba are sometimes clarity enhanced, which must be disclosed to the buyer. A clarity-enhanced tourmaline (especially paraiba) is worth much less than a non-treated gem.[6]

Tourmaline Species and Varieties
- Dravite Species: from the Drave district of Carinthia)
Dark yellow to brownish black - dravite
- Schorl Species:
Bluish or brownish black to Black - schorl
- Elbaite Species: named after the island of Elba, Italy
Rose or pink - rubellite variety(from ruby)
Dark blue - indicolite variety (from indigo)
Light blue - Brazilian sapphire variety
Green - verdelite or Brazilian emerald variety
Colorless - achroite variety (from the Greek for "colorless")
The 14 recognized minerals in the group (endmember formulas)

Buergerite
$NaFe^{3+}_3Al_6Si_6O_{18}(BO_3)_3O_3F$
Chromdravite
$NaMg_3Cr_6Si_6O_{18}(BO_3)_3(OH)_4$
Dravite
$NaMg_3Al_6Si_6O_{18}(BO_3)_3(OH)_4$
Elbaite
$Na(Li_{1.5},Al_{1.5})Al_6Si_6O_{18}(BO_3)_3(OH)_4$
Feruvite
$CaFe^{2+}_3(MgAl_5)Si_6O_{18}(BO_3)_3(OH)_4$
Foitite
$(Fe^{2+}_2Al)Al_6Si_6O_{18}(BO_3)_3(OH)_4$
Liddicoatite
$Ca(Li_2Al)Si_6O_{18}(BO_3)_3(OH)_3F$
Magnesiofoitite
$(Mg_2Al)Al_6Si_6O_{18}(BO_3)_3(OH)_4$

Olenite
$NaAl_3Al_6Si_6O_{18}(BO_3)_3O_3OH$
Povondraite
$NaFe^{3+}_3(Fe^{3+}_4Mg_2)Si_6O_{18}(BO_3)_3(OH)_3O$
Rossmanite
$(LiAl_2)Al_6Si_6O_{18}(BO_3)_3(OH)_4$
Schorl
$NaFe^{2+}_3Al_6Si_6O_{18}(BO_3)_3(OH)_4$
Uvite
$CaMg_3(MgAl_5)Si_6O_{18}(BO_3)_3(OH)_3F$
Vanadiumdravite
$NaMg_3V_6Si_6O_{18}(BO_3)_3(OH)_4$

References
^ a b c d e f g h i Gemological Institute of America, GIA Gem Reference Guide 1995, ISBN 0-87311-019-6
^ Mindat tourmaline group Accessed September 12, 2005. This website details specifically and clearly how the complicated chemical formula is structured.
^ Hawthorne, F.C. & Henry, D.J. (1999). Classification of the minerals of the tourmaline group. European Journal of Mineralogy, 11, pp 201-215.[1]
^ Exploring and Mining Gems and Gold in the West, By Fred Rynerson - Naturegraph Publishers.
^ Manual of Mineralogy (after Dana), 19th Edition, By Hurlbut and Klien - John Wiley and Sons, Publishers
^ Gemstone Enhancement: Heat, Irradiation, Impregnation, Dyeing, and Other Treatments by Kurt Nassau; Butterworth Publishers 1984
- Ertl, A., Pertlik, F. & Bernhardt, H.-J. (1997) Investigations on olenite with excess boron from the Koralpe, Styria, Austria, Österreichische Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse, Abt. I, Anzeiger, 134, pp 3-10. Article Online
- Ertl, A. (2006) About the etymology and the type localities of schorl Mitteilungen der Österreichischen Mineralogischen Gesellschaft, 152, 2006, pp 7–16. Article Online
- Ertl, A. (2007) About the type locality and the nomenclature of dravite Mitteilungen der Österreichischen Mineralogischen Gesellschaft, 153, 2007, pp 265–271. Article Online
- Schumann, Walter (2006) Gemstones of the World 3rd Edition Sterling Publishing, New York; pp 126-127
Courtesy Wikipedia
http://en.wikipedia.org/wiki/Tourmaline

Courtesy Keelynet
05/07/07 - Garments treated with metallic nanoparticles prevent colds and flu TOC

Fashion designers and fiber scientists at Cornell have taken "functional clothing" to a whole new level. They have designed a garment that can prevent colds and flu and never needs washing, and another that destroys harmful gases and protects the wearer from smog and air pollution. Ong's dress

and jacket, part of her original fashion line called "Glitterati," look innocently hip. But closer inspection—with a microscope, that is—shows an army of electrostatically charged nanoparticles creating a protective shield around the cotton fibers in the top part of the dress, and the sleeves, hood and pockets of the jacket. Dong explained that the fabrics were created by dipping them in solutions containing nanoparticles synthesized in Hinestroza's lab. The resultant colors are not the product of dyes, but rather, reflections of manipulation of particle size or arrangement. The upper portion of the dress contains cotton coated with silver nanoparticles. Dong first created positively charged cotton fibers using ammonium- and epoxy-based reactions, inducing positive ionization. The silver particles, about 10-20 nanometers across (a nanometer is one-billionth of a meter) were synthesized in citric acid, which prevented nanoparticle agglomeration. Dipping the positively charged cotton into the negatively charged silver nanoparticle solution resulted in the particles clinging to the cotton fibers. Silver possesses natural antibacterial qualities that are strengthened at the nanoscale, thus giving Ong's dress the ability to deactivate many harmful bacteria and viruses. The silver infusion also reduces the need to wash the garment, since it destroys bacteria, and the small size of the particles prevents soiling and stains. The denim jacket includes a hood, sleeves and pockets with soft, gray tweed cotton embedded with palladium nanoparticles, about 5-10 nanometers in length. To create the material, Dong placed negatively charged palladium crystals onto positively charged cotton fibers.

Courtesy Keelynet

http://www.physorg.com/

http://www.infowars.net/index.html
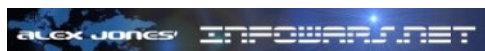
WD 40

I had a neighbour who had bought a new pickup. I got up very early one Sunday morning and saw that someone had spray painted red all around the sides of this beige truck (for some unknown reason). I went over, woke him up, and told him the bad news. He was very upset and was trying to figure out what to do probably nothing until Monday morning, since nothing was open. Another neighbour came out and told him to get his WD-40 and clean it off. It removed the unwanted paint beautifully and did not harm his paint job that was on the truck. I'm impressed! WD-40 who knew?

Water Displacement #40. The product began from a search for a rust preventative solvent and degreaser to protect missile parts. WD-40 was created in 1953 by three technicians at the San Diego Rocket Chemical Company. Its name comes from the project that was to find a "water displacement" compound. They were successful with the fortieth formulation, thus WD-40. The Convair Company bought it in bulk to protect their atlas missile parts.

Ken East (one of the original founders) says there is nothing in WD-40 that would hurt you.

When you read the "shower door" part, try it. It's the first thing that has ever cleaned that spotty shower door. If yours is plastic, it works just as well as glass. It's a miracle! Then try it on your stovetop... Voila! It's now shinier than it's ever been. You'll be amazed.
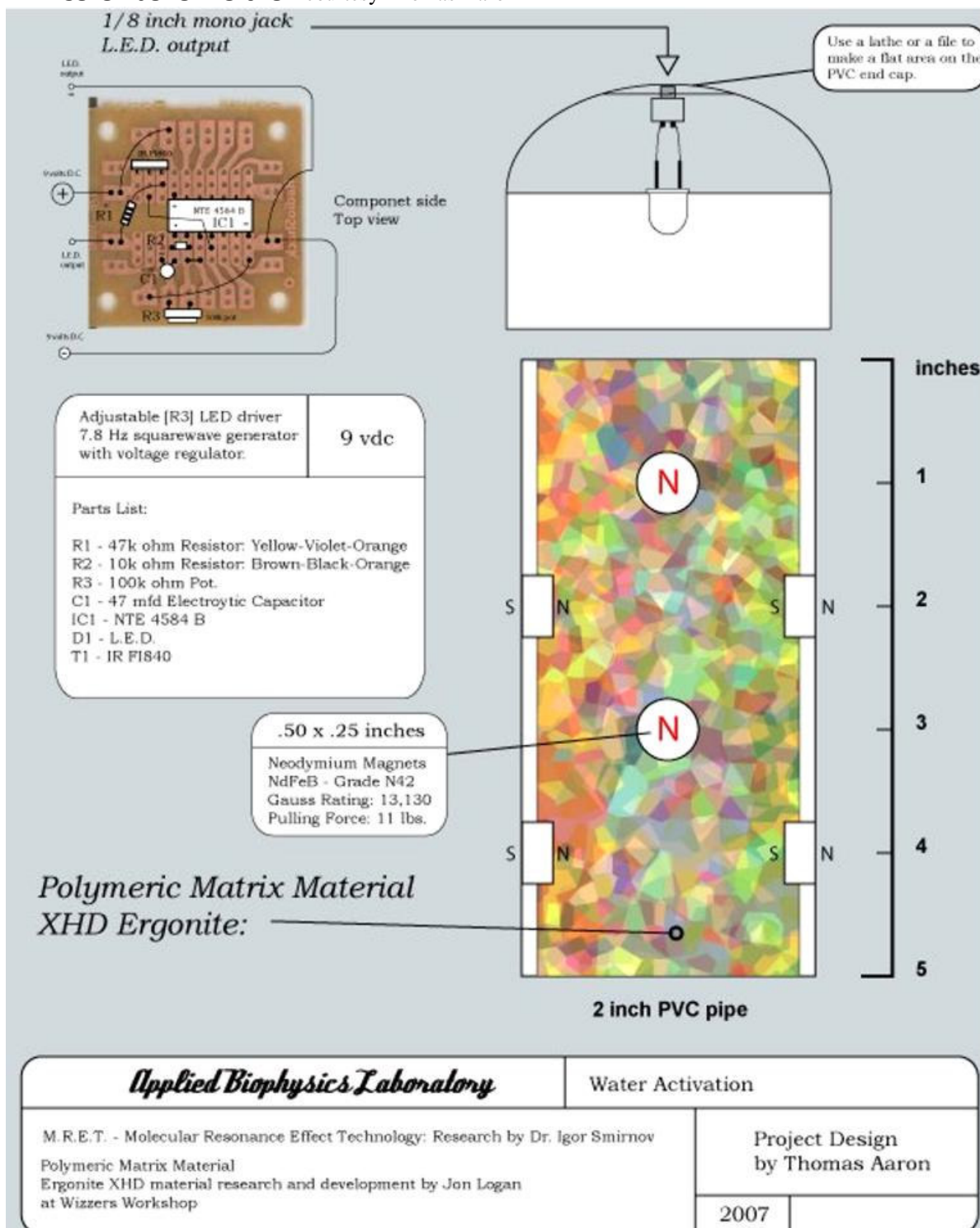
Here are some of the uses:

1) Protects silver from tarnishing.
2) Removes road tar and grime from cars.
3) Cleans and lubricates guitar strings.
4) Gives floors that 'just-waxed' sheen without making it slippery.
5) Keeps flies off cows.
6) Restores and cleans chalkboards.
7) Removes lipstick stains.
8) Loosens stubborn zippers.
9) Untangles jewellery chains.
10) Removes stains from stainless steel sinks.
11) Removes dirt and grime from the barbecue grill.
12) Keeps ceramic/terra cotta garden pots from oxidizing.
13) Removes tomato stains from clothing.
14) Keeps glass shower doors free of water spots.
15) Camouflages scratches in ceramic and marble floors.
16) Keeps scissors working smoothly.
17) Lubricates noisy door hinges on vehicles and doors in homes
18) It removes black scuff marks from the kitchen floor! Use WD-40 for those nasty tar and scuff marks on flooring. It doesn't seem to harm the finish and you won't have to scrub nearly as hard to get them off. Just remember to open some windows if you have a lot of marks.
19) Bug guts will eat away the finish on your car if not removed quickly!

Use WD-40! *(cont. on pg. 133)*

117

MRET Construction Details – courtesy Thomas Aaron

1/8 inch mono jack
L.E.D. output

Use a lathe or a file to make a flat area on the PVC end cap.

Componet side
Top view

Adjustable [R3] LED driver
7.8 Hz squarewave generator
with voltage regulator.

9 vdc

Parts List:

R1 - 47k ohm Resistor: Yellow-Violet-Orange
R2 - 10k ohm Resistor: Brown-Black-Orange
R3 - 100k ohm Pot.
C1 - 47 mfd Electroytic Capacitor
IC1 - NTE 4584 B
D1 - L.E.D.
T1 - IR FI840

.50 x .25 inches

Neodymium Magnets
NdFeB - Grade N42
Gauss Rating: 13,130
Pulling Force: 11 lbs.

Polymeric Matrix Material
XHD Ergonite:

inches

1

2

3

4

5

2 inch PVC pipe

Applied Biophysics Laboratory	Water Activation	
M.R.E.T. - Molecular Resonance Effect Technology: Research by Dr. Igor Smirnov Polymeric Matrix Material Ergonite XHD material research and development by Jon Logan at Wizzers Workshop	Project Design by Thomas Aaron	
	2007	

MRET Construction Details – courtesy Thomas Aaron – http://biogenesislab.blogspot.com/

Courtesy Keelynet
07/04/07 - Brilliant Disguise: Light, Matter and the Zero-Point Field TOC
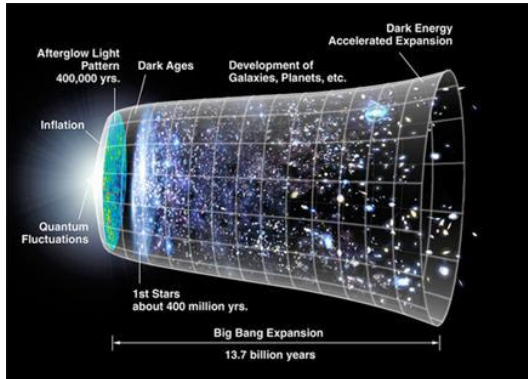
My first inkling that the deceptively simple "Let there be light" might actually contain a profound cosmological truth came in early July 1992. Alfonso Rueda had succeeded in doing was to derive the equation: F=ma. Most people will take this in stride with a "so what?" or "what does that mean?" After all what are F, m and a, and what is so noteworthy about a scientist deriving a simple equation? Isn't this what scientists do for a living? But a physicist will have an incredulous reaction because you are not supposed to be able to derive the equation F=ma. That equation was postulated by Newton in his Principia, the foundation stone of physics, in 1687. A postulate is a law that you assume to be true, and from which other things follow: such as much of physics, for example, from that particular postulate. You cannot derive postulates. How do you prove that one plus one equals two? The answer is, you don't. You assume that abstract numbers work that way, and then derive other properties of addition from that basic assumption. But indeed, as I discovered when I began to write up a research paper based on what Rueda soon sent to Garching, he had indeed derived Newton's fundamental "equation of motion." And the concept underlying this analysis was the existence of a background sea of light known as the electromagnetic zero-point field of the quantum vacuum. If you add up all these ceaseless fluctuations, what you get is a background sea of light whose total energy is enormous: the zero-point field. The "zero-point" refers to the fact that even though this energy is huge, it is the lowest possible energy state. All other energy is over and above the zero-point state. Take any volume of space and take away everything else — in other words, create a vacuum — and what you are left with is the zero-point field. We see things by way of contrast. The eye works by letting light fall on the otherwise dark retina. But if the eye were filled with light, there would be no darkness to afford a contrast. The zero-point field is such a blinding light. Since it is everywhere, inside and outside of us, permeating every atom in our bodies, we are effectively blind to it. It blinds us to its presence. The world of light that we do see is all the rest of the light that is over and above the zero-point field. "Let there be light" is indeed a very profound statement, as one might expect of its purported author. The solid, stable world of matter appears to be sustained at every instant by an underlying sea of quantum light. Haisch Article - (via Zpenergy.com) and The Neutral Center and the Aether Spectrum.
Courtesy Keelynet

Courtesy Keelynet TOC
09/20/07 - Video - 32 AA batteries for $5?
Don't want to spend a wad of cash on AA batteries to power your gadgets? Trim down your spending by cracking open the case of a single 6 volt battery which sells for about $5. Inside you'll find a whopping 32 AA batteries! Considering that you can get 8 watch batteries from a 12-volt battery and 6 AAA batteries from a 9-volt battery, this isn't surprising, but since AA batteries are the most popular among the three, this should yield considerable savings. (via lifehacker.com)
Courtesy Keelynet

http://www.rense.com/

Courtesy Keelynet
09/18/07 - EcoWatts: another "free energy" company touts their 'invention' TOC
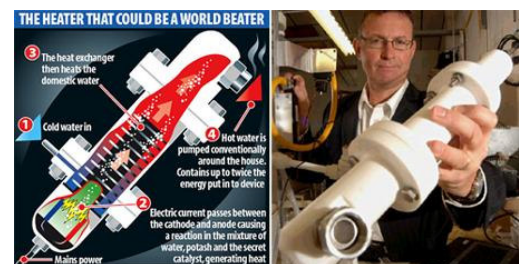

There is another company making claims of free energy. Simply put, nobody is really expecting this machine to work either. The company is called EcoWatts, and they claim that their machine gives off hot water containing twice the energy that it

119

took to produce the hot water. Call us skeptical. / 12inch miracle tube could halve heating bills - Even the makers of the device are at a loss to explain exactly how it works - but sceptical independent scientists carried out their own tests and discovered that the 12in x 2in tube really does produce far more heat energy than the electrical energy put in. The system - developed by scientists at a firm called Ecowatts in a nondescript laboratory on an industrial estate at Lancing, West Sussex - involves passing an electrical current through a mixture of water, potassium carbonate (otherwise known as potash) and a secret liquid catalyst, based on chrome. This creates a reaction that releases an incredible amount of energy compared to that put in. If the reaction takes place in a unit surrounded by water, the liquid heats up, which could form the basis for a household heating system. If the technology can be developed on a domestic scale, it means consumers will need much less energy for heating and hot water - creating smaller bills and fewer greenhouse gases. We have examined this interesting technology and when we got the rig operating, we were getting 150 to 200 per cent more energy out than we put in, without trying too hard. Ecowatts says the device will cost between £1,500 and £2,000, in line with the price of traditional systems.
Courtesy Keelynet

Courtesy Keelynet
09/20/07 - Haptic Radar Headband Gives Wearer "Sixth-Sense" TOC
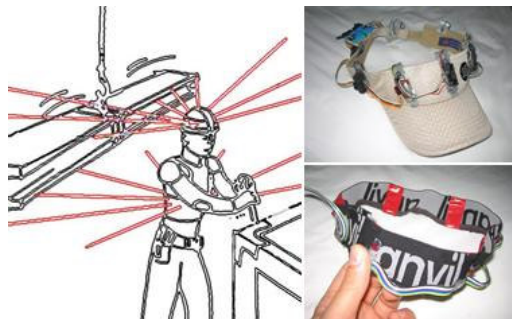
"New Scientist reports on a headband developed at the University of Tokyo that allows the wearer to feel their surroundings at a distance — as if they had cats whiskers. Infrared sensors positioned around the headband vibrate to signal when and where an object is close. There are also a few great videos of people using it to dodge stuff while blindfolded." / The system is composed of an array of "optical-hair modules", each of which senses range information and transduces it as an appropriate vibro-tactile cue on the skin directly

beneath it. An analogy for our artificial sensory system in the animal world would be the cellular cilia, insect antennae, as well as the specialized sensory hairs of mammalian whiskers. In the future, this modular interface may cover precise skin regions or be distributed in over the entire body surface and then function as a double-skin with enhanced and tunable sensing capabilities. In a word, what we are proposing here is to build artificial, wearable, ligh-based hairs (or antennae). The actual hair stem will be an invisible, steerable laser beam. In the near future, we may be able to create on-chip, skin-implantable whiskers using MOEMS technology. Results in a similar direction have been already achieved in the framework of the smart laser scanner project in our lab. Our first prototype (headband configuration) provides the wearer with 360 degrees of spatial awareness and had very positive reviews in our proof-of-principle experiments.
Courtesy Keelynet

Reader Response to Anomalous Cooling Effect (issue 3)
TOC
"Jon-
I've really enjoyed reading your "Modern Orgone" magazine that you allowed us at Crystal Devices to access. I expect to buy any future issues as they become available. I'd say it's the best of its kind, but it's the only of its kind that I've seen. My hat is off to you!
In volume 3 , in the article on Lumin White, that heat pump thing was really a brain twister! I'm thinking that some tests could be done that might help shed some light on this phenomenon.
It would be helpful to observe any temperature variances in all of the following wiring schemes:
1.Right channel to mobius 1 & 2 (with their respective ballast resistors)
Left Channel to mobius 3 (with its ballast)
2.Right channel to mobius 1 (with its ballast)
Left Channel to mobius 2 & 3 (with their respective ballast resistors)
3.Right channel to mobius 1 (with its ballast)
Left Channel to mobius 3 (with its ballast)
There are three combinations with all three mobius coils used and three with only two mobius coils. Probably they should all be tested to eliminate the possibility of some irregularity in one of the coils being a causative factor in these temperature differences.
I suspect the temperature differences observed have something to do with negenthropy and the asymmetry of the wiring hookup.
Maybe some big antennae would make this thing into a "free" energy heatpump."

-Bob Roper

Drawing Board

## Simple Random number algorithm
Courtesy Jon Logan

First, let me say I have taken a long absence from writing software, almost 20 years. Then, less than a year ago, a friend gave me the gift of Visual Studio 6, and I have been tinkering in my spare time since.

I plan to develop an application designed for radionics work with the Scalar Wave Generators that I produce. One of the first things to work on is the ability to 'get a sample' of a radionic data pattern into the computer somehow. This is the aim of the code below. The code is not sufficient for this purpose as is; it needs to be more sensitive. It is just an example of a general coding approach to radionic sampling, and since so little information is available on the internet regarding the code for radionics software, I thought this code might interest some. I offer it as a food for thought, nothing more at this point.

It charts the deviation from perfect randomness associated with each character you type into a text box. The deflection from perfect randomness, seed number, highest and lowest responses, etc. all combine to produce a very primitive form of encoding to represent the subtle energy fields present when the program runs, by looking at the way those subtle energy fields influence the random number generator.

The encoding shows the way the randomness of the number generator changes in real time as you type. This change in randomness (more random or less random) is represented on a scale, and can be used to form a coded 'picture' of the subtle energy fields of the user (if the scan button is pushed), or the intent of the text typed (if text is input manually).

The code in this article may be used freely for **private hobbyist purposes only**.
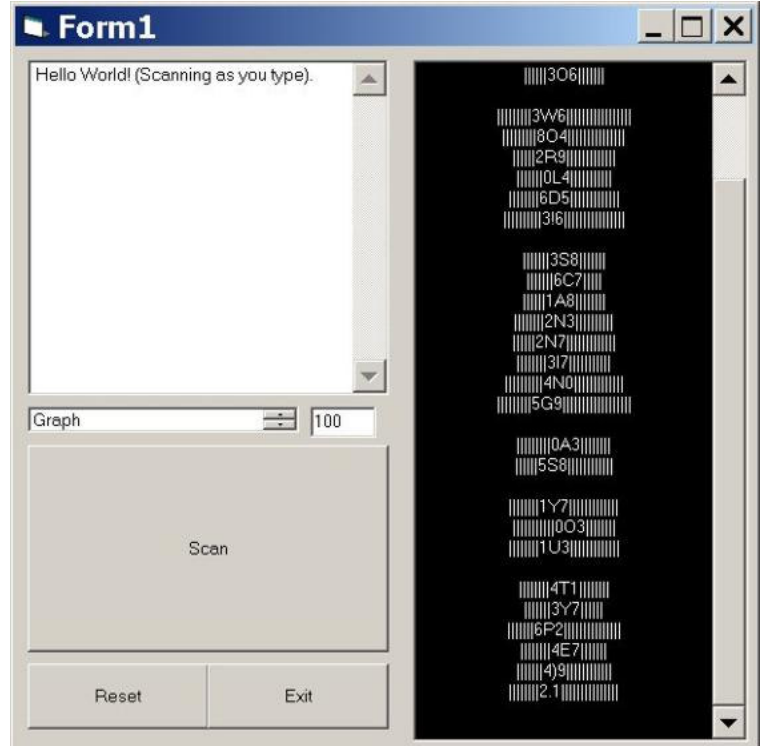
Basically, you give it a seed number (in this case derived from a character typed by the user) and it generates a sequence of random numbers between 0 and 9. Then, it looks at the numbers it rolled and sees which one came up most often and which ones least often. It looks at which number between 0 and 9 'wanted' to be rolled. You enter this number on the smallest text box, near the center of Form1 in the pics here. By default I have set it to 100 (iterations) in the code, program chrashes if set to 1000000 (1 million) but runs ok at 100000 (1 hundred thousand) on my machines. Best resolution with the code in this article seemed to be around 100 iterations. More iterations = less changes in the graph, less iterations = more changes in the graph (as one would expect from conventional math).

We rely on subtle energy to influence the random number generator, and then let it roll a whole bunch of times and look at what it did. The way that the randomness changes shows us something about the characteristics of the subtle energy field.

Some numbers will show up more than 'normal' (10% of the time) and other less than normal (10% of the time).

The software is written in Visual Basic 6, and there are additional comments in the code to explain a little more.

In Graph mode, it charts the 'deflection' from perfect randomness so that you can see as you type which characters / states of mind provoke a strong, weak or median response from the software.

To use the software (once you have constructed a VB6 project per the info below), Either type some text into the white text box, or press the 'scan' button.

Tinker, have fun, but do bear in mind this is just a demo of the concept. The code below only an illustration of a concept.

## How to create this software (requires Microsoft Visual Basic 6 ™/®)

*(where applicable(if a line of code takes more than one line of column space in this ezine), **remove word wrap and / or delete line breaks** from lines of code below when pasting the code into your VB6 project)*

1 - Open VB6 and create a new (Standard EXE) project.

2 - Resize Form1 to 7008 x 7008 twips.

3 - Create a textbox on Form1 and modify its properties as follows:
- change Name to txtCode
- size it to 3132 x 6372 twips
- change alignment to 2 - Center
- change BackColor to Black
- change ForeColor to White
- change ScollBars to 2 - Vertical
- change MultiLine to True
- blank the .Text (delete where it says Text1)
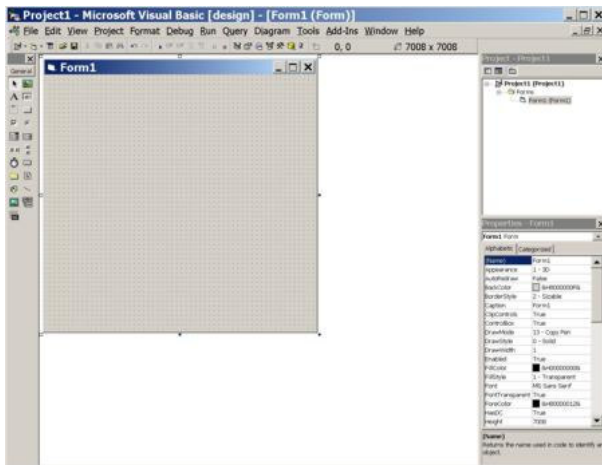
4 - Create another textbox on Form1 and modify its proerties as follows:
- size it to 3372 x 3132 twips
- change Name to txtInput
- change MultiLine to True
- blank the Text (delete where it says Text1)
-
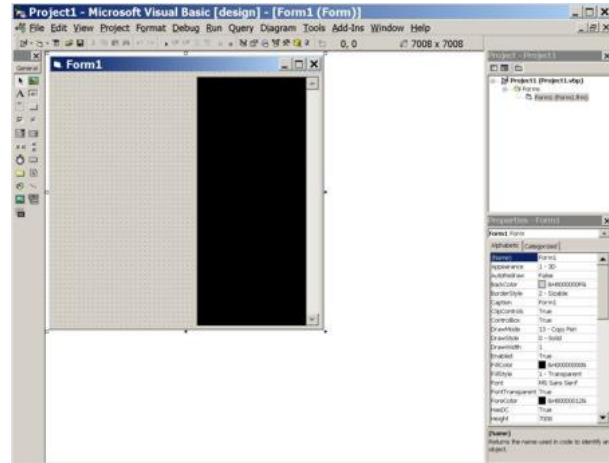
5 - Create another smaller text box on Form1 and modify its properties as follows:
- change Name to txtLoop
- blank the Text (delete where it says Text1)

6 - Create a listbox on Form1 and modify its properties as follows:
- change Name to lstState

7 - Create a command button on Form1 and modify its properties as follows:
- change Name to cmdReset
- change Caption to "Reset"

8 - Create a command button on Form1 and modify its properties as follows:
- change Name to cmdScan
- change Caption to "Scan"

9 - Create a command button on Form1 and modify its properties as follows:
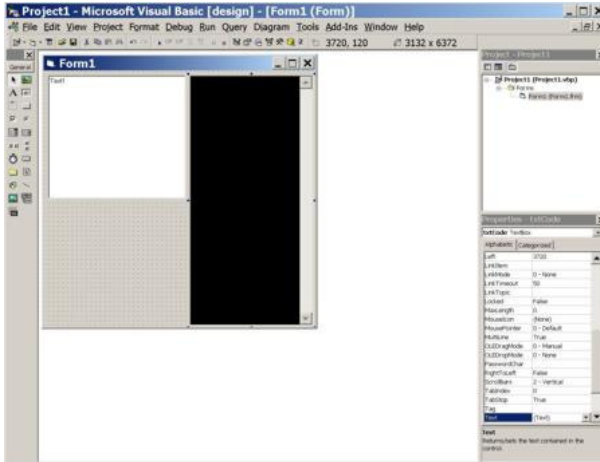- change Name to cmdExit
- change Caption to "Exit"

10 - Add a new module to the project (Project > Add Module > New > Module > Open).
Copy and paste the following code into Module1:
(next several pages)
'(Begin Module1 code)
Option Explicit

Public Function fncQaballahChar(varCharacter As String) As Integer
' Copyright Jon Logan 2008
' Free for personal, hobbyist use.
    '
' This subroutine converts a single character of input to
' a numerological equivalent
    '
' variable to carry a number associated with a character
Dim varQaballahChar As Integer
' Convert alphabetic characters to numerological equivalent
' via Chaldean-Hebrew Qabbalah
If varCharacter = "A" Then varQaballahChar = 1
If varCharacter = "B" Then varQaballahChar = 2
If varCharacter = "C" Then varQaballahChar = 3
If varCharacter = "D" Then varQaballahChar = 4
If varCharacter = "E" Then varQaballahChar = 5
If varCharacter = "F" Then varQaballahChar = 8
If varCharacter = "G" Then varQaballahChar = 3
If varCharacter = "H" Then varQaballahChar = 5
If varCharacter = "I" Then varQaballahChar = 1
If varCharacter = "J" Then varQaballahChar = 1
If varCharacter = "K" Then varQaballahChar = 2
If varCharacter = "L" Then varQaballahChar = 3
If varCharacter = "M" Then varQaballahChar = 4
If varCharacter = "N" Then varQaballahChar = 5
If varCharacter = "O" Then varQaballahChar = 7
If varCharacter = "P" Then varQaballahChar = 8
If varCharacter = "Q" Then varQaballahChar = 1
If varCharacter = "R" Then varQaballahChar = 2
If varCharacter = "S" Then varQaballahChar = 3
If varCharacter = "T" Then varQaballahChar = 4
If varCharacter = "U" Then varQaballahChar = 6
If varCharacter = "V" Then varQaballahChar = 6
If varCharacter = "W" Then varQaballahChar = 6
If varCharacter = "X" Then varQaballahChar = 5
If varCharacter = "Y" Then varQaballahChar = 1
If varCharacter = "Z" Then varQaballahChar = 7

If varCharacter = " " Then varQaballahChar = 100
If varCharacter = "" Then
varQaballahChar = vbNull
MsgBox "No characters entered for Qaballah."
Exit Function
End If
' Handle some non-alphabetic characters
If varCharacter = "0" Then varQaballahChar = 0
If varCharacter = "1" Then varQaballahChar = 1
If varCharacter = "2" Then varQaballahChar = 2
If varCharacter = "3" Then varQaballahChar = 3
If varCharacter = "4" Then varQaballahChar = 4
If varCharacter = "5" Then varQaballahChar = 5
If varCharacter = "6" Then varQaballahChar = 6
If varCharacter = "7" Then varQaballahChar = 7
If varCharacter = "8" Then varQaballahChar = 8
If varCharacter = "9" Then varQaballahChar = 8
If varCharacter = "." Then varQaballahChar = 0
If varCharacter = ">" Then varQaballahChar = 9
If varCharacter = "," Then varQaballahChar = 0
If varCharacter = "<" Then varQaballahChar = 6
If varCharacter = "?" Then varQaballahChar = 7
If varCharacter = "/" Then varQaballahChar = 2
If varCharacter = "!" Then varQaballahChar = 1
If varCharacter = "@" Then varQaballahChar = 6
If varCharacter = "#" Then varQaballahChar = 9
If varCharacter = "$" Then varQaballahChar = 5
If varCharacter = "%" Then varQaballahChar = 5
If varCharacter = "^" Then varQaballahChar = 9
If varCharacter = "&" Then varQaballahChar = 6
If varCharacter = "*" Then varQaballahChar = 8
If varCharacter = "(" Then varQaballahChar = 9
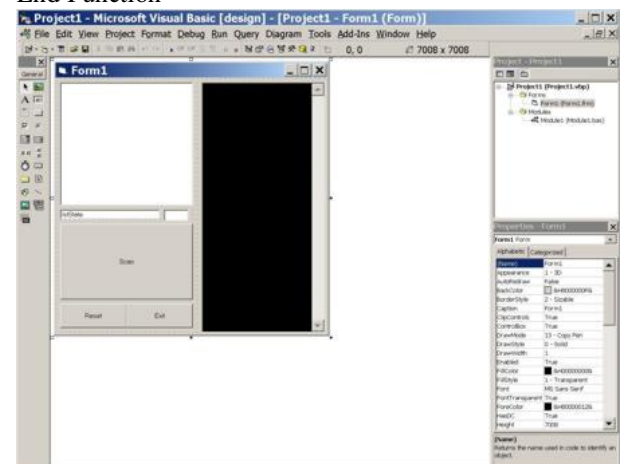If varCharacter = ")" Then varQaballahChar = 0
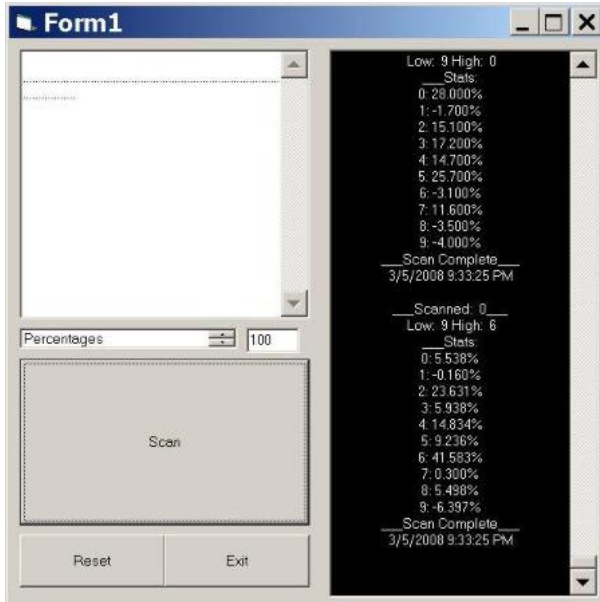If varCharacter = "+" Then varQaballahChar = 6
If varCharacter = "-" Then varQaballahChar = 0
' Return the value that fits the character supplied
Let fncQaballahChar = varQaballahChar
End Function

```
Low: 9 High: 0
____Stats:
0: 28.000%
1: -1.700%
2: 15.100%
3: 17.200%
4: 14.700%
5: 25.700%
6: -3.100%
7: 11.600%
8: -3.500%
9: -4.000%
___Scan Complete___
3/5/2008 9:33:25 PM

___Scanned: 0___
Low: 9 High: 6
____Stats:
0: 5.538%
1: -0.160%
2: 23.631%
3: 5.938%
4: 14.834%
5: 9.236%
6: 41.583%
7: 0.300%
8: 5.498%
9: -6.397%
___Scan Complete___
3/5/2008 9:33:25 PM
```

Public Function fncRNDScanDemo(varSeed As Double, varLoop As Long, varState As Integer, varCharacter As String) As String
' Copyright Jon Logan 2008
' Free for personal, hobbyist use
    '
' This function generates a succession of random numbers in response to a
' seed number, and then performs a simple analysis of the results, returning a string
' which is used to form a simple graphical representation of the amount of
' deflection from perfect randomness accompanies a given keystroke.
' Syntax Eg.: Let txtCode.text = fncRNDScanDemo(7,1000,1)
' would return the graph for a 1000+ length sequence of numbers, and the seed
' number 7 would be used to initiate the sequence.
    '
' Syntax Eg.: Let txtCode.text = fncRNDScanDemo(7,1000,2)
' would return the list of 1000+ numbers rolled during the sequence, and
' the seed number 7 would be used to initiate the sequence.
    '
' Trim the seed number to 5 decimal places
Let varSeed = FormatNumber(varSeed, 5)
    '
' Initialize random number generator with seed number
Randomize (varSeed)
    '
' Setup iteration variable

Dim varIteration As Long
    '
' Setup roll variables
    '
Dim varRoll As Double
' Setup roll hit counter variables
Dim varRoll0 As Double
Dim varRoll1 As Double
Dim varRoll2 As Double
Dim varRoll3 As Double
Dim varRoll4 As Double
Dim varRoll5 As Double
Dim varRoll6 As Double
Dim varRoll7 As Double
Dim varRoll8 As Double
Dim varRoll9 As Double
Dim varRollx As Double
' Setup roll tracking variables
Dim varRollHigh As Double
Dim varRollLow As Integer
Dim varRollFloat As Long
Dim varRollLog As String
Let varRollLog = Str(varSeed) + ": "
' Setup roll percentage variables
Dim varRollPer0 As Double
Dim varRollPer1 As Double
Dim varRollPer2 As Double
Dim varRollPer3 As Double
Dim varRollPer4 As Double
Dim varRollPer5 As Double
Dim varRollPer6 As Double
Dim varRollPer7 As Double
Dim varRollPer8 As Double
Dim varRollPer9 As Double
Dim varHighPer As Double
Dim varLowPer As Double
    '
'Start the Loop,
For varIteration = 1 To varLoop
    '
' Generate a random number between 10 and 0
Let varRoll = ((10 - 0) * Rnd)
    '
'Bump one of the following hit counters dependant
' on the result of the random roll
    '
' If it rolled in the 0 range
If varRoll > 0 And varRoll < 1 Then
' Simple hit counter
Let varRoll0 = varRoll0 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "0"
' Re-Initialize the random number generator based on system time for
' 0 and 9 (numbers on the extreme ends of the range)

124

Randomize (Time)
' Roll again, and give the software the chance
' to roll the same number again
Let varRollx = ((10 - 0) * Rnd)
' If it rolls the same number
If Int(varRollx) = 0 Then
' Boost the hit counter to reward the double roll
' and subtract the same amount from the rest of the field
' subract it from the rest of the field according to proximity
' (subract most from numbers farthest from the number rolled)
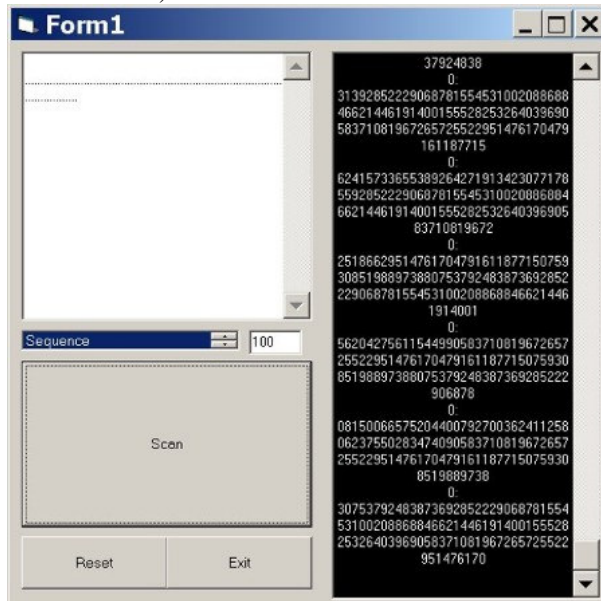
'
Let varRoll0 = varRoll0 + 12
Let varRoll1 = varRoll1 - 0.5
Let varRoll2 = varRoll2 - 1
Let varRoll3 = varRoll3 - 1.5
Let varRoll4 = varRoll4 - 1.5
Let varRoll5 = varRoll5 - 1.5
Let varRoll6 = varRoll6 - 1.5
Let varRoll7 = varRoll7 - 1.5
Let varRoll8 = varRoll8 - 1.5
Let varRoll9 = varRoll9 - 1.5
Let varRollLog = varRollLog & "0"
End If
End If
' If it rolled in the 1 range
If varRoll > 1 And varRoll < 2 Then
Let varRoll1 = varRoll1 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "1"
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 1 Then
Let varRoll0 = varRoll0 - 0.5
Let varRoll1 = varRoll1 + 12

Let varRoll2 = varRoll2 - 0.5
Let varRoll3 = varRoll3 - 1
Let varRoll4 = varRoll4 - 1.66
Let varRoll5 = varRoll5 - 1.66
Let varRoll6 = varRoll6 - 1.66
Let varRoll7 = varRoll7 - 1.66
Let varRoll8 = varRoll8 - 1.66
Let varRoll9 = varRoll9 - 1.66
Let varRollLog = varRollLog & "1"
End If

End If
' If it rolled in the 2 range
If varRoll > 2 And varRoll < 3 Then
Let varRoll2 = varRoll2 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "2"
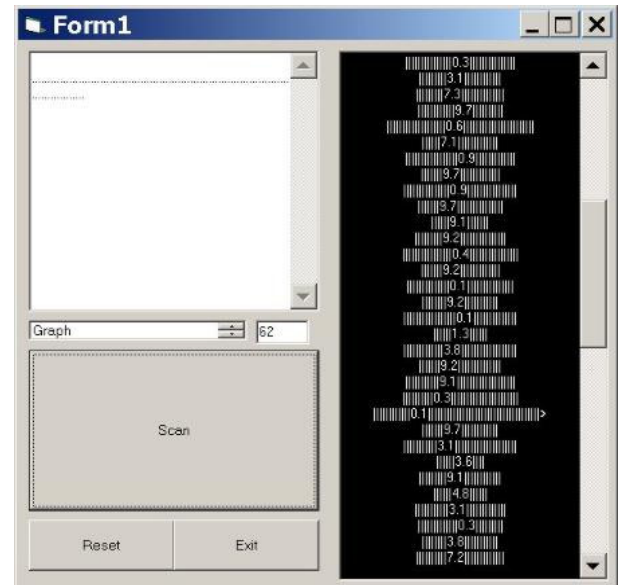Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 2 Then
Let varRoll0 = varRoll0 - 1
Let varRoll1 = varRoll1 - 0.5
Let varRoll2 = varRoll2 + 12
Let varRoll3 = varRoll3 - 0.5
Let varRoll4 = varRoll4 - 1
Let varRoll5 = varRoll5 - 1.8
Let varRoll6 = varRoll6 - 1.8
Let varRoll7 = varRoll7 - 1.8
Let varRoll8 = varRoll8 - 1.8
Let varRoll9 = varRoll9 - 1.8
Let varRollLog = varRollLog & "2"
End If
End If
' If it rolled in the 3 range
If varRoll > 3 And varRoll < 4 Then
Let varRoll3 = varRoll3 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "3"
Let varRollx = ((10 - 0) * Rnd)

125

```
If Int(varRollx) = 3 Then
Let varRoll0 = varRoll0 - 1.8
Let varRoll1 = varRoll1 - 1
Let varRoll2 = varRoll2 - 0.5
Let varRoll3 = varRoll3 + 12
Let varRoll4 = varRoll4 - 0.5
Let varRoll5 = varRoll5 - 1
Let varRoll6 = varRoll6 - 1.8
Let varRoll7 = varRoll7 - 1.8
Let varRoll8 = varRoll8 - 1.8
Let varRoll9 = varRoll9 - 1.8
Let varRollLog = varRollLog & "3"
End If
End If
' If it rolled in the 4 range
If varRoll > 4 And varRoll < 5 Then
Let varRoll4 = varRoll4 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "4"
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 4 Then
Let varRoll0 = varRoll0 - 1.8
Let varRoll1 = varRoll1 - 1.8
Let varRoll2 = varRoll2 - 1
Let varRoll3 = varRoll3 - 0.5
Let varRoll4 = varRoll4 + 12
Let varRoll5 = varRoll5 - 0.5
Let varRoll6 = varRoll6 - 1
Let varRoll7 = varRoll7 - 1.8
Let varRoll8 = varRoll8 - 1.8
Let varRoll9 = varRoll9 - 1.8
Let varRollLog = varRollLog & "4"
End If
End If
' If it rolled in the 5 range
If varRoll > 5 And varRoll < 6 Then
Let varRoll5 = varRoll5 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "5"
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 5 Then
Let varRoll0 = varRoll0 - 1.8
Let varRoll1 = varRoll1 - 1.8
Let varRoll2 = varRoll2 - 1.8
Let varRoll3 = varRoll3 - 1
Let varRoll4 = varRoll4 - 0.5
Let varRoll5 = varRoll5 + 12
Let varRoll6 = varRoll6 - 0.5
Let varRoll7 = varRoll7 - 1
Let varRoll8 = varRoll8 - 1.8
Let varRoll9 = varRoll9 - 1.8
Let varRollLog = varRollLog & "5"
End If
End If
' If it rolled in the 6 range
If varRoll > 6 And varRoll < 7 Then

Let varRoll6 = varRoll6 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "6"
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 6 Then
Let varRoll0 = varRoll0 - 1.8
Let varRoll1 = varRoll1 - 1.8
Let varRoll2 = varRoll2 - 1.8
Let varRoll3 = varRoll3 - 1.8
Let varRoll4 = varRoll4 - 1
Let varRoll5 = varRoll5 - 0.5
Let varRoll6 = varRoll6 + 12
Let varRoll7 = varRoll7 - 0.5
Let varRoll8 = varRoll8 - 1
Let varRoll9 = varRoll9 - 1.8
Let varRollLog = varRollLog & "6"
End If
End If
' If it rolled in the 7 range
If varRoll > 7 And varRoll < 8 Then
Let varRoll7 = varRoll7 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "7"
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 7 Then
Let varRoll0 = varRoll0 - 1.8
Let varRoll1 = varRoll1 - 1.8
Let varRoll2 = varRoll2 - 1.8
Let varRoll3 = varRoll3 - 1.8
Let varRoll4 = varRoll4 - 1.8
Let varRoll5 = varRoll5 - 1
Let varRoll6 = varRoll6 - 0.5
Let varRoll7 = varRoll7 + 12
Let varRoll8 = varRoll8 - 0.5
Let varRoll9 = varRoll9 - 1
Let varRollLog = varRollLog & "7"
End If
End If
' If it rolled in the 8 range
If varRoll > 8 And varRoll < 9 Then
Let varRoll8 = varRoll8 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "8"
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 8 Then
Let varRoll0 = varRoll0 - 1.66
Let varRoll1 = varRoll1 - 1.66
Let varRoll2 = varRoll2 - 1.66
Let varRoll3 = varRoll3 - 1.66
Let varRoll4 = varRoll4 - 1.66
Let varRoll5 = varRoll5 - 1.66
Let varRoll6 = varRoll6 - 1
Let varRoll7 = varRoll7 - 0.5
Let varRoll8 = varRoll8 + 12
Let varRoll9 = varRoll9 - 0.5
Let varRollLog = varRollLog & "8"
```

```
End If
End If
' If it rolled in the 9 range
If varRoll > 9 And varRoll < 10 Then
Let varRoll9 = varRoll9 + 1
' Add the number rolled to the Log
Let varRollLog = varRollLog & "9"
Randomize (Time)
Let varRollx = ((10 - 0) * Rnd)
If Int(varRollx) = 0 Then
Let varRoll0 = varRoll0 - 1.5
Let varRoll1 = varRoll1 - 1.5
Let varRoll2 = varRoll2 - 1.5
Let varRoll3 = varRoll3 - 1.5
Let varRoll4 = varRoll4 - 1.5
Let varRoll5 = varRoll5 - 1.5
Let varRoll6 = varRoll6 - 1.5
Let varRoll7 = varRoll7 - 1
Let varRoll8 = varRoll8 - 0.5
Let varRoll9 = varRoll9 + 12
Let varRollLog = varRollLog & "9"
End If
End If
' If it rolled out of range too low
If varRoll < 0 Then
MsgBox "Error roll below zero"
Exit Function
End If
' If it rolled out of range too high
If varRoll > 10 Then
MsgBox "Error roll above nine"
Exit Function
End If
'
' Having generated and logged the random number
or numbers for this iteration,
' go back and do the next iteration
Next varIteration
'
' Primitive error handling
On Error Resume Next
'
' Calculate Percentages
'(The percentage of the total score that each of the
' numbers 0 through 9 scored in this sequence) - A
score is based on
' a simple count of how many times a given number
is 'rolled'.
' Also, to make it interesting, the scores rise or fall
in response to
' the conditions a little. A score can be:
'   Augmented above the actual count value if it
rolls the same number twice,
'   or
'   Reduced in value below the actual count value
if it does not.
```

```
' This is done in the loops above (varIteration).
'
' Setup a variable to hold the total of all the
scores
   Dim varRollMorph As Double
   ' Tally the scores of numbers 0 through 9
   Let varRollMorph = (varRoll0 + varRoll1 + _
   varRoll2 + varRoll3 + varRoll4 + varRoll5 + _
   varRoll6 + varRoll7 + varRoll8 + varRoll9)
'
' Calculate Score Percentages per Number from
0 to 9
'
' Calculate and assign the percentage of total that
each number from 0 to 9
' scored in the sequence. This number is the
'response'
' from the random number generator. If a number
shows up many times,
' and / or rolls doubles many times, it will get a
high score, possibly
' higher than 100%. If a number shows up few
time, and / or never rolls
' doubles, it will receive a low score, possibly
lower than 0%.
'
' Theory being, a high percentage in the number
most commonly rolled shows a strong
' probability influence in favor of the number
(and in response to the seed),
' and the same would apply in opposite fashion
for the number least commonly
' rolled.
'
' So for radionic purposes, the percentage score
can serve as a 'signal strength'
' meter for each of the characters typed and fed
to the algorithm. It shows
' (albeit in very simplistic form) the amount of
deflection from 'normal'
' randomness associated with a given character
fed to the algorithm.
   Let varRollPer0 = (varRoll0 / (varRollMorph /
100))
   Let varRollPer1 = (varRoll1 / (varRollMorph /
100))
   Let varRollPer2 = (varRoll2 / (varRollMorph /
100))
   Let varRollPer3 = (varRoll3 / (varRollMorph /
100))
   Let varRollPer4 = (varRoll4 / (varRollMorph /
100))
   Let varRollPer5 = (varRoll5 / (varRollMorph /
100))
   Let varRollPer6 = (varRoll6 / (varRollMorph /
100))
```

```
    Let varRollPer7 = (varRoll7 / (varRollMorph /
100))
    Let varRollPer8 = (varRoll8 / (varRollMorph /
100))
    Let varRollPer9 = (varRoll9 / (varRollMorph /
100))
    '
    ' Sift through the scores to find the highest and
lowest
    '
    ' Find the highest score and assign that value to
the
    ' appropriate variable
    Let varRollFloat = varRoll0
    Let varRollHigh = 0
    If varRoll1 > varRollFloat Then
        Let varRollFloat = varRoll1
        Let varRollHigh = 1
    End If
    If varRoll2 > varRollFloat Then
        Let varRollFloat = varRoll2
        Let varRollHigh = 2
    End If
    If varRoll3 > varRollFloat Then
        Let varRollFloat = varRoll3
        Let varRollHigh = 3
    End If
    If varRoll4 > varRollFloat Then
        Let varRollFloat = varRoll4
        Let varRollHigh = 4
    End If
    If varRoll5 > varRollFloat Then
        Let varRollFloat = varRoll5
        Let varRollHigh = 5
    End If
    If varRoll6 > varRollFloat Then
        Let varRollFloat = varRoll6
        Let varRollHigh = 6
    End If
    If varRoll7 > varRollFloat Then
        Let varRollFloat = varRoll7
        Let varRollHigh = 7
    End If
    If varRoll8 > varRollFloat Then
        Let varRollFloat = varRoll8
        Let varRollHigh = 8
    End If
    If varRoll9 > varRollFloat Then
        Let varRollFloat = varRoll9
        Let varRollHigh = 9
    End If

    ' Find the lowest score and assign that value to
the
    ' appropriate variable
    Let varRollFloat = varRoll0


    Let varRollLow = 0
    If varRoll1 < varRollFloat Then
        Let varRollFloat = varRoll1
        Let varRollLow = 1
    End If
    If varRoll2 < varRollFloat Then
        Let varRollFloat = varRoll2
        Let varRollLow = 2
    End If
    If varRoll3 < varRollFloat Then
        Let varRollFloat = varRoll3
        Let varRollLow = 3
    End If
    If varRoll4 < varRollFloat Then
        Let varRollFloat = varRoll4
        Let varRollLow = 4
    End If
    If varRoll5 < varRollFloat Then
        Let varRollFloat = varRoll5
        Let varRollLow = 5
    End If
    If varRoll6 < varRollFloat Then
        Let varRollFloat = varRoll6
        Let varRollLow = 6
    End If
    If varRoll7 < varRollFloat Then
        Let varRollFloat = varRoll7
        Let varRollLow = 7
    End If
    If varRoll8 < varRollFloat Then
        Let varRollFloat = varRoll8
        Let varRollLow = 8
    End If
    If varRoll9 < varRollFloat Then
        Let varRollFloat = varRoll9
        Let varRollLow = 9
    End If
    '
    'Now that we have done the sequence of rolls,
and have the data,
    ' return the result based on state (selected when
this subroutine was called)
    '
    ' State 0 = Display State Descriptions
    If varState = 0 Then fncRNDScanDemo = "
Random Scan Demo" & vbNewLine & _
    "States: 0 = Display this message, 1 = Sequence,
2 = Percentages, 3 = Graph."

    ' State 1 - Sequence
    If varState = 1 Then
        ' Return the following:
        ' (Seed Number) : (Sequence of Numbers
Rolled)
        Let fncRNDScanDemo = varRollLog &
vbNewLine
```

```
        End If
        '
        If varState = 2 Then
            ' Return a short summary of the seed number
and stats for the numbers rolled
            fncRNDScanDemo = "___Scanned: " &
Str(varSeed) & "___" & vbNewLine & _
            " Low: " & Str(varRollLow) & " High: " &
Str(varRollHigh)
            Let fncRNDScanDemo = fncRNDScanDemo
& vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& "___Stats:" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "0: " & FormatNumber(varRollPer0, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "1: " & FormatNumber(varRollPer1, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "2: " & FormatNumber(varRollPer2, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "3: " & FormatNumber(varRollPer3, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "4: " & FormatNumber(varRollPer4, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "5: " & FormatNumber(varRollPer5, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "6: " & FormatNumber(varRollPer6, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "7: " & FormatNumber(varRollPer7, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "8: " & FormatNumber(varRollPer8, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& _
            "9: " & FormatNumber(varRollPer9, 3,
vbTrue) & "%" & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& "___Scan Complete___" & vbNewLine

            Let fncRNDScanDemo = fncRNDScanDemo
& Str(Now) & vbNewLine
            Let fncRNDScanDemo = fncRNDScanDemo
& vbNewLine

        End If
        '
        ' State 3 - Graph
        If varState = 3 Then
            ' Return a text-based horizontal bar graph
showing the
            ' low percentage, low, character typed, high
and high percentage
            '
            ' Find the highest percentage
            If varRollHigh = 0 Then Let varHighPer =
varRollPer0
            If varRollHigh = 1 Then Let varHighPer =
varRollPer1
            If varRollHigh = 2 Then Let varHighPer =
varRollPer2
            If varRollHigh = 3 Then Let varHighPer =
varRollPer3
            If varRollHigh = 4 Then Let varHighPer =
varRollPer4
            If varRollHigh = 5 Then Let varHighPer =
varRollPer5
            If varRollHigh = 6 Then Let varHighPer =
varRollPer6
            If varRollHigh = 7 Then Let varHighPer =
varRollPer7
            If varRollHigh = 8 Then Let varHighPer =
varRollPer8
            If varRollHigh = 9 Then Let varHighPer =
varRollPer9
            '
            ' Find the lowest percentage
            If varRollLow = 0 Then Let varLowPer =
varRollPer0
            If varRollLow = 1 Then Let varLowPer =
varRollPer1
            If varRollLow = 2 Then Let varLowPer =
varRollPer2
            If varRollLow = 3 Then Let varLowPer =
varRollPer3
            If varRollLow = 4 Then Let varLowPer =
varRollPer4
            If varRollLow = 5 Then Let varLowPer =
varRollPer5
            If varRollLow = 6 Then Let varLowPer =
varRollPer6
            If varRollLow = 7 Then Let varLowPer =
varRollPer7
            If varRollLow = 8 Then Let varLowPer =
varRollPer8
```

If varRollLow = 9 Then Let varLowPer = varRollPer9

‘

‘ Build low graph

If varLowPer < -90 Then fncRNDScanDemo = fncRNDScanDemo & “<”

If varLowPer < -87.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -85 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -82.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -80 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -77.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -75 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -72.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -70 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -67.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -65 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -62.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -60 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -57.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -55 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -52.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -50 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -47.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -45 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -42.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -40 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -37.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -35 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -32.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -30 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -27.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -25 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -22.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -20 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -17.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -15 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -12.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -10 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -7.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < -2.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < 0 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < 2.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < 5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < 7.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varLowPer < 10 Then fncRNDScanDemo = fncRNDScanDemo & “|”

‘

‘ Display the stats (lowest score, Character typed and highest score)

fncRNDScanDemo = fncRNDScanDemo & varRollLow & varCharacter & varRollHigh

‘

‘ Build high graph

If varHighPer > 10 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 12.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 15 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 17.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 20 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 22.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 25 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 27.5 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 30 Then fncRNDScanDemo = fncRNDScanDemo & “|”

If varHighPer > 32.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 35 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 37.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 40 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 42.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 45 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 47.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 50 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 52.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 55 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 57.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 60 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 62.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 65 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 67.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 70 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 72.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 75 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 77.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 80 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 82.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 85 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 87.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 90 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 92.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 95 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 97.5 Then fncRNDScanDemo = fncRNDScanDemo & "|"
If varHighPer > 100 Then fncRNDScanDemo = fncRNDScanDemo & ">"

```
        fncRNDScanDemo = fncRNDScanDemo &
vbNewLine
    End If
End Function
' (End Module1 code)
```

11 - In object view, double click the form background (Form1). Copy and paste the following code so the subroutine looks like this:

```
Private Sub Form_Load()
'
'Setup the state list box
lstState.AddItem "State Descriptions", 0
lstState.AddItem "Sequence", 1
lstState.AddItem "Percentages", 2
lstState.AddItem "Graph", 3
lstState.TopIndex = 3
'
' Setup the Loop text box
txtLoop.Text = "100"
' Reset the form
cmdReset = True
End Sub
```

12 - In object view, double click the 'Reset' button (cmdReset). Copy and paste the following code so the subroutine looks like this:

```
Private Sub cmdReset_Click()
    ' Clear the input textbox
    txtInput.Text = " "
    ' Clear the Output textbox
    txtCode.Text = " " & vbNewLine
End Sub
```

13 - In object view, double click the 'Scan' button (cmd Scan). Copy and paste the following code so the subroutine looks like this:

```
Private Sub cmdScan_Click()
    ' Clear the form
    cmdReset = True
    ' Setup IO variables
    Dim varLoop As Integer
    ' Send a stream of 100 characters through the
input text box
    For varLoop = 1 To 100 ' or higher for longer
scans
        txtInput.Text = txtInput.Text & "."
    Next varLoop
End Sub
```

14 - In object view, double click the 'Exit' button (cmdExit). Copy and paste the following code so the subroutine looks like this:

```
Private Sub cmdExit_Click()
End
End Sub
```

15 - In object view, double click the white textbox (txtInput). Copy and paste the following code so the subroutine looks like this:

```
' (Begin txtInput code)
Private Sub txtInput_Change()
    ' Primitive error handling
    If txtInput.Text = "" Then txtInput.Text = " "
    ' Setup IO variables
    Dim varInput As String
    Dim varOutput As String
    Dim varInNum As Long
    Dim varOutNum As Long
    Dim varQaballahChar As Long
    '
    ' Grab the character most recently typed from the input textbox
    ' and assign it to the appropriate variable
    Let varInput = Right$(UCase$(txtInput.Text), 1)
    '
    ' Convert the character to its numerological equivalent and
    ' assign the result to the appropriate variable
    Let varInNum = fncQaballahChar(varInput)
    '
    ' Check for the space character
    If varInNum = 100 Then
        ' Add a blank line, move to the latest line and update the display
        Let txtCode.Text = txtCode.Text + " " & vbNewLine
        Let txtCode.SelStart = Len(txtCode.Text)
        'txtCode.Refresh
        Exit Sub
    End If
    '
    ' Feed the parameters to the random scanning module
    If varInNum < 9 Then
        Let varOutput = fncRNDScanDemo(Val(varInNum), Val(txtLoop.Text), Val(lstState.TopIndex), varInput)
        Let txtCode.Text = txtCode.Text & varOutput
        ' move to the latest line and update the display
        Let txtCode.SelStart = Len(txtCode.Text)
        txtCode.Refresh
    End If
End Sub
' (End txtInput code)
```

That's it! Feedback welcome, and have fun.
Copyright © Jon Logan 2008

The Husband Store [TOC]
A store that sells new husbands has opened in New York City , where a woman may go to choose a husband. Among the instructions at the entrance is a description of how the store operates: You may visit this store ONLY ONCE! There are six floors and the value of the product increases as the shopper ascends the flights. The shopper may choose any item from a particular floor, or may choose to go up to the next floor, but you cannot go back down except to exit the building! So, a woman goes to the Husband Store to find a husband. On the first floor the sign on the door reads: Floor 1 - These men Have Jobs. The second floor sign reads: Floor 2 - These men Have Jobs and Love Kids. The third floor sign reads: Floor 3 - These men Have Jobs, Love Kids, and are Extremely Good Looking. "Wow," she thinks, but feels compelled to keep going. She goes to the fourth floor and the sign reads: Floor 4 - These men Have Jobs, Love Kids, are Drop-dead Good Looking and Help With Housework."Oh, mercy me!" she exclaims, "I can hardly stand it!" Still, she goes to the fifth floor and the sign reads: Floor 5 - These men Have Jobs, Love Kids, are Drop-dead Gorgeous, Help with Housework, and Have a Strong Romantic Streak. She is so tempted to stay, but she goes on to the sixth floor and the sign reads: Floor 6 - You are visitor 31,456,012 to this floor. There are no men on this floor. This floor exists solely as proof that women are impossible to please. Thank you for shopping at the Husband Store. To avoid gender bias charges, the store's owner also opened a New Wives Store just across the street. The first floor has wives that love sex. The second floor has wives that love sex and have money. The third through sixth floors have never been visited.
Courtesy R. Montserrat

WD-40 (Part II)

20) Gives a children's play gym slide a shine for a super fast slide.
21) Lubricates gear shift and mower deck lever for ease of handling on riding mowers.
22) Rids kids rocking chairs and swings of squeaky noises.
23) Lubricates tracks in sticking home windows and makes them easier to open.
24) Spraying an umbrella stem makes it easier to open and close.
25) Restores and cleans padded leather dashboards in vehicles, as well as vinyl bumpers.
26) Restores and cleans roof racks on vehicles.
27) Lubricates and stops squeaks in electric fans.
28) Lubricates wheel sprockets on tricycles, wagons, and bicycles for easy handling.
29) Lubricates fan belts on washers and dryers and keeps them running smoothly.
30) Keeps rust from forming on saws and saw blades, and other tools.
31) Removes splattered grease on stove.
32) Keeps bathroom mirror from fogging.
33) Lubricates prosthetic limbs.
34) Keeps pigeons off the balcony (they hate the smell).
35) Removes all traces of duct tape.
36) Folks even spray it on their arms, hands, and knees to relieve arthritis pain.
37) Florida's favourite use is: "cleans and removes love bugs from grills and bumpers."
38) The favourite use in the state of New York WD-40 protects the Statue of Liberty from the elements.
39) WD-40 attracts fish. Spray a LITTLE on live bait or lures and you will be catching the big one in no time. Also, it's a lot cheaper than the chemical attractants that are made for just that purpose. Keep in mind though, using some chemical laced baits or lures for fishing are not allowed in some states.
40) Use it for fire ant bites. It takes the sting away immediately and stops the itch.
41) WD-40 is great for removing crayon from walls. Spray on the mark and wipe with a clean rag.
42) Also, if you've discovered that your teenage daughter has washed and dried a tube of lipstick with a load of laundry, saturate the lipstick spots with WD-40 and re-wash. Presto! Lipstick is gone!
43) If you sprayed WD-40 on the distributor cap, it would displace the moisture and allow the car to start.

P. S. The basic ingredient is FISH OIL.

Forward Courtesy Reinhard

03/14/07 - Belfast Homeopathy Results confirms Efficacy

MADELEINE Ennis, a pharmacologist at Queen's University, Belfast, was the scourge of homeopathy. She railed against its claims that a chemical remedy could be diluted to the point where a sample was unlikely to contain a single molecule of anything but water, and yet still have a healing effect. Until, that is, she set out to prove once and for all that homeopathy was bunkum. In her most recent paper, Ennis describes how her team looked at the effects of ultra-dilute solutions of histamine on human white blood cells involved in inflammation. These "basophils" release histamine when the cells are under attack. Once released, the histamine stops them releasing any more. The study, replicated in four different labs, found that homeopathic solutions - so dilute that they probably didn't contain a single histamine molecule - worked just like histamine. Ennis might not be happy with the homeopaths' claims, but she admits that an effect cannot be ruled out. So how could it happen? Homeopaths prepare their remedies by dissolving things like charcoal, deadly nightshade or spider venom in ethanol, and then diluting this "mother tincture" in water again and again. No matter what the level of dilution, homeopaths claim, the original remedy leaves some kind of imprint on the water molecules. Thus, however dilute the solution becomes, it is still imbued with the properties of the remedy. You can understand why Ennis remains sceptical. And it remains true that no homeopathic remedy has ever been shown to work in a large randomised placebo-controlled clinical trial. But the Belfast study (Inflammation Research, vol 53, p 181) suggests that something is going on. "We are," Ennis says in her paper, "unable to explain our findings and are reporting them to encourage others to investigate this phenomenon." If the results turn out to be real, she says, the implications are profound: we may have to rewrite physics and chemistry.

Courtesy Keelynet

Parting Chuckles

Kulula is an Airline with head office situated in Johannesburg. Kulula airline attendants make an effort to make the in-flight "safety lecture" and announcements a bit more entertaining. Here are some Real examples that have been heard or reported:

On a Kulula flight, (there is no assigned seating, you just sit where you want) passengers were apparently having a hard time choosing, when a flight attendant announced, "People, people we're not picking out furniture here, find a seat and get in it!"

---o0o---

On another flight with a very "senior" flight attendant crew, the pilot said, "Ladies and gentlemen, we've reached cruising altitude and will be turning down the cabin lights. This is for your comfort and to enhance the appearance of your flight attendants."

----o0o---

On landing, the stewardess said, "Please be sure to take all of your belongings. If you're going to leave anything, please make sure it's something we'd like to have."

----o0o---

After a particularly rough landing during thunderstorms in the Karoo, a flight attendant on a flight announced, "Please take care when opening the overhead compartments because, after a landing like that, sure as hell everything has shifted."

---o0o---

From a Kulula employee: "Welcome aboard Kulula 245 to Calgary. To operate your seat belt, insert the metal tab into the buckle, and pull tight. It works just like every other seat belt; and, if you don't know how to operate one, you probably shouldn't be out in public unsupervised."

---o0o---

Another flight attendant's comment on a less than perfect landing: "We ask you to please remain seated as Captain Kangaroo bounces us to the terminal."

---o0o---

Part of a flight attendant's arrival announcement: "We'd like to thank you folks for flying with us today. And, the next time you get the insane urge to go blasting through the skies in a pressurized metal tube, we hope you'll think of Kulula Airways."

---o0o---

Heard on a Kulula flight. "Ladies and gentlemen, if you wish to smoke, the smoking section on this

airplane is on the wing. If you can light 'em, you can smoke 'em."

---o0o---

A plane was taking off from Durban Airport. After it reached a comfortable cruising altitude, the captain made an announcement over the intercom, "Ladies and gentlemen, this is your captain speaking. Welcome to Flight Number 293, non-stop from Durban to Cape Town, The weather ahead is good and, therefore, we should have a smooth and uneventful flight. Now sit back and relax... OH, f#$k!" Silence followed, and after a few minutes, the captain came back on the intercom and said, "Ladies and Gentlemen, I am so sorry if I scared you earlier. While I was talking to you, the flight attendant accidentally spilled a cup of hot coffee in my lap. You should see the front of my pants!" A passenger then yelled, "That's nothing. You should see the back of mine!!

Forward
Courtesy Robert Montserrat

(Right)
N. Bhanutej/Mysore interviewing
Mr Somendar Singh

He Put It So Well

The grainy photocopies show a man who seems a lifetime younger, his eyes black and staring, his rugged mug framed with thick black hair. Below the photos, and a menacing poster of two jets about to collide in midair, is a sign bearing Singh's motto:

We specialize in work which few understand.

"And this has been my problem sir," Singh says with a shrug. He settles in behind a metal desk heaped with paper and parts. "It has been my problem ever since I started this whole business of whatever I started doing in my life."

Modern Orgone Electronic Magazine Issue # 5

©2005-2008 Wizzers Workshop / Wizzers Desk and contributing authors / photographers all rights reserved

Albino Moose – Beaverdell, B.C. Canada