HOMEOPATHY: A LABORATORY FOR ETHERIC SCIENCE?

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ABSTRACT: A theoretical model for homeopathy is presented in terms which are not incompatible with traditional science. A general theoretical framework is presented in an effort to provide an understanding of subtle energy phenomena. This framework involves a multi-dimensional model of the universe, including concepts transcending space and time, and allows for a better understanding of psycho-energetic phenomena to coexist with conventional scientific theory. The proposed theoretical framework also provides an explanation of the cause and effect observations in the practice of homeopathic medicine and with the use of various biomechanical and electrical devices which are coming to be used more commonly in conjunction with the selection of homeopathic remedies.

INTRODUCTION

Until recently, science and traditional western medicine have considered living organisms as operating largely by means of the following sequence of reactions:

function

structure

chemistry

Equation (1)

Whenever an organism was not functioning properly, one looked for structural defects in the system arising out of chemical imbalances. One recognized that homeostasis at the chemical level was probably dependent upon some connection with a deeper level energy structure in the organism, but no clear discrimination of this connection had been made. More recently, a growing awareness has developed of the interaction between chemical states and electromagnetic fields. Studies in neuropsychiatry show us that small electric currents between specific brain points give rise to the same behavioral changes that are observed with certain specific brain-stimulating chemicals. Small D.C. electric currents (10 12 amp/mm² to 10 9 amp/mm²) applied to leukocytes in vitro were shown to produce cell regeneration while larger current densities were shown to produce cell degeneration. Such studies have been extended to enhance fracture heal-

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ing in animals and in humans. Thus, although we do not yet understand the detailed pathways whereby electric and magnetic fields couple into the cellular metabolism, it is clear that Equation (1) should be replaced by:

function
$$\Rightarrow$$
 structure \Rightarrow chemistry \Rightarrow electro-magnetic energy fields

Equation (2)

As an example to illustrate how Equation (2) might operate we need only recall Wolf's law of bone structure changes; *i.e.*, if one of our bones receives a non-uniform stress for an extended period of time, the bone will grow new trabeculae in the exact locations needed to maximally support this new stress distribution. Here, the physical strain field is manifested in fibers and collagen which are both piezoelectric so that an electrostatic field is produced with specific orientation and polarity. This electrostatic field, with its associated microcurrents, causes ion and colloid redistribution in the local body fluids to specific locations where agglomeration and gelation set in. These new semisolid structures age and calcify to eventually form the microstructures making up trabeculae. One can also readily imagine more subtle stresses of an emotional or mental nature, setting the foregoing chain of sequences in motion.

Equation (2) has an obvious defect in that it takes no account of mental effects. Under hypnosis, the human body has exhibited truly remarkable feats of strength and endurance attesting to an unconscious mind/structure link. In Aikido, Zen and Yoga disciplines, we see a conscious link between mind and both structure and function. Recent studies in the area of bio-feedback techniques^{3,4} show us that directed mind can not only control various autonomic body functions such as skin temperature and pain, but mind can also repair the body. Finally, on another front, modern psychotherapy shows us that certain chemical treatments influence mental states and that certain mental treatments influence chemical states. The point to be made here is that "mental fields" are additional contributions that should be placed on the right side of the reaction chain given in Equation (2). Other fields, not yet clearly discriminated, also appear to play a part in this reaction chain. Let us label them all under the heading "subtle energy fields" and rewrite Eq. (2) as:

function

structure

chemistry

Electro-magnetic energy fields

Equation (3)

Equation (3) is a reasonable representation for a living organism, a cell or a membrane. Each item in the reaction chain maintains its condition of homeostasis via immediate support from the item on its right. The develop-

ment of serious imbalance in any particular item in the chain leads, in time, to obvious disruption of homeostasis for the item to the left. Thus, if we wish to develop an early warning system concerning the chemical homeostasis of a biological system, we must look to a device that monitors the electrical nature of the biological system. If we wish to gain information concerning future disruptions of the biological system, we must monitor the subtle energy fields of the entire biological entity. At the moment, we are not very knowledgeable concerning the nature and character of those subtle energy fields, and we are forced to resort to electrical system monitoring as a basis for early warning. This is a happy circumstance because our technical competence has grown significantly in that area over the past few decades.

A number of electrical devices are now available for rapid diagnosis of the body's state of health and for the treatment of imbalances in that condition.^{6,7} Many holistic health practitioners are beginning to utilize these devices and it has become important to understand how they function on an electrical level and what they actually measure in the human body. Using basic information on the electrical properties and the response behavior of both macroscopic and microscopic (acupuncture points) areas of skin, it has been possible, in an earlier companion paper, 8 to account for all the key characteristics of the three major diagnostic instruments on the market. One of these instruments, the Voll Dermatron, is also utilized in the selection of homeopathic remedies for the patient and thus forms a narrow bridge across the chasm existing between the domain of electromagnetic energy and the domain of subtle energy shown in equation (3). In order to strengthen that bridge and to eventually give it quantitative underpinnings, we need to gain a clearer understanding of the basic nature of homeopathy and of how it relates to traditional western medicine. The main purpose of this paper is to suggest a theoretical model for homeopathy which allows one to rationalize two basic principles of the field: (1) the law of similars and (2) the law of potentization. It thus provides a beginning perspective of the material science existing between these allopathic and homeopathic medicines, which walked hand-in-hand to serve the health needs of humankind a century and a half ago.

One might say that it was the emphasis on disease rather than on health that split apart allopathic and homeopathic practise. The physical body reveals the obvious materialization of disease while the relationship to the more subtle aspects of man that relate to health are not so easily measured. Conventional allopathic medicine deals directly with the chemical and structural components of the physical body. It can be classed as a truly objective medicine because it deals with Nature on a purely four-dimensional, space/time level and thus has developed much direct laboratory evidence to support its physiochemical hypotheses. This has occurred because reliable sensing ability of both humans and instrumentation presently operates on that level.

Homeopathic medicine, on the other hand, deals indirectly with the chemistry and structure of the physical body by dealing directly with substance and

energies at the next, and more subtle, level. It must be classed as a subjective medicine at this time, for the following reasons: (1) it deals with energy that can be strongly perturbed by the mental and emotional activity of individuals and, (2) there has not been any diagnostic equipment available to support the homeopathic physician's hypothesis.

A theoretical structure and an experimental laboratory for studying subtle energies are both essential ingredients for the generation of a correct scientific foundation for homeopathy. A postulation concerning the former allows a testing via the latter so that a bootstrap process can be invoked to inch our way towards the desired goal. Some initial beginnings have been made by the author in this direction⁹⁻¹¹ and this present paper is a companion work providing some overlap, some extensions and hopefully, some clarification. From the earlier work,¹¹ and the results of the next section, we find that equation (3) must be altered to the following form:

Allopathic medicine follows the upper path between the subtle energy fields and the functioning state of the human, while homeopathic medicine follows the lower path between these two domains. In essence, by discriminating between the subtle energies of equation (3), we are led to the series-parallel circuit of equation (4), wherein two different levels of chemistry and energy operate in two different space/time frames. Before discussing the author's theoretical model of the universe which leads to this result, let us first briefly mention the set of essential facts concerning homeopathy that are in need of explanation.

PERTINENT FACTS CONCERNING HOMEOPATHY

Hahnemann was the first to come upon the idea that a substance which can produce symptoms in a healthy person can cure them in a sick person. This has since been called The Law of Similars. He developed a systematic procedure for testing substances (called "proving") on healthy human beings in order to elucidate the symptoms characterizing the actions of that particular substance. During a proving, a substance is introduced into a healthy organism at a sufficiently high concentration to disturb the organism and mobilize its defense mechanism. The body's defense mechanism then produces a spectrum

of symptoms on the physical, emotional and mental levels of the organism and this spectrum of symptoms characterizes the peculiar and unique nature of the substance. Fortunately for the therapeutic end of homeopathic practice, it is found that the symptom pictures of the remedies match, quite accurately, the symptom pictures of virtually all illnesses in existence, in all their variety.¹²

George Vithoulkas¹² writes that "The Law of Similars matches the symptom manifested on the 'dynamic plane' in a patient with an analogous symptom of a therapeutic substance manifested in a healthy individual to establish resonance between patient and remedy." He considers the electromagnetic field of the human body to be its "dynamic plane" and, although it is a plane of inconceivable complexity, it conforms to laws and principles grounded in electromagnetic concepts of resonance, harmony, reinforcement and interference.

Hahnemann also discovered in the late 1700's that, when the remedy is diluted and at the same time succussed (shaken in a particular way) between dilutions, the effect of the remedy is greatly increased. This dilution-enhanced effect can occur well past the point when, theoretically, no molecules of the original physical substance are present (for potencies above 12X), yet the solution is still observed to exert a significant action on a living organism. This particular method of dilution with succussion, called "potentizing," quite fortuitously exposed a natural phenomenon of profound biological significance. It is really an incredible result viewed from the entrenched allopathic viewpoint, and brings into serious question the sufficiency of that viewpoint.

In this conventional method of potentizing a homeopathic remedy, the physical ingredient is placed in a suitable vial of alcohol or water, or a solution of the two, suitably stoppered and vigorously shaken or succussed. A small portion (one part in a hundred) is extracted and diluted into a similar vial of pure water or alcohol or solution and the succussion process repeated. Again a small portion of this second vial is diluted into a third, and so forth, until the stage is reached when a small portion of the n – 1th vial is added to the nth vial. The homeopathic potency of the nth vial increases with n, provided both the succussion and addition steps are used. This method has persisted for about 200 years. Table I illustrates the increase of potency and decrease of concentration of the physical substance at each step of succussion and dilution.

With this range of potency, provings are first done at the hypotoxic level (1X to 8X) for relatively non-toxic substances, such as edible plants, and from the 8X to 12X for more toxic substances, such as hydrocyanic acid. ¹² Doses are given three times a day for one month to the healthy subjects, located in a healthy environment, and symptoms are carefully recorded. Later, after enough time has elapsed that no new symptoms appear, the more sensitive subjects of the initial sample are tested with a 30 X remedy once a day for two weeks. All new symptoms are carefully recorded. One year later, the sensitive subjects are tested with one dose of 10 M or 50 M and observations relative to new symptoms are made for a subsequent one to three months. ¹² At the present

Concentrate

1, (0)

¹c,

1_C

 $^{1}c_{11}$

12X

п¥

Step

(1)

(2)

(3)

 $c_{12} = 10^{-24} c_0 (12)$

TABLE I

Potentizing Procedure

time there are hundreds of remedies, derived from minerals, plants and diseased tissues, whose characteristics have been fully delineated through carefully conducted provings and thousands more which have been at least partially proven.¹²

100

100

It has been noted¹² that a loss of potency for a remedy occurs when (a) it has been exposed to heat above 110°F-120°F and (b) it has been exposed directly to the sun. It has also been noted that some remedies are inactivated by exposure to strong aromatic substances, especially camphor. No precise information seems to be available on how long an exposure is needed for deactivation. Likewise, no information on the effect of extreme cold on potency deactivation is available.

Perhaps as important as the many studies of homeopathic remedies on humans are the few studies that have been made on other living organisms. Boyd^{13,14} found statistically significant effects from potentised mercuric chloride in his research on the activity of the enzyme diastase, which is importantly involved in the hydrolysis of starch. In addition, it has been claimed that in the last British epidemics of foot and mouth disease, homeopathic borax administered by vets or by farmers gave total or excellent protection while animals on nearby farms were going down with the disease.¹⁵ This author is not aware of any plant studies carried out with homeopathic remedies.

Recently, an alternate potentization procedure was developed by Malcolm Rae. 16 This is a "radionic" potentization procedure during which a vial of pure alcohol, water, or solution of the two, is placed in a static device containing a potency selector dial and a charging symbol (code) for a short period of time. The same charging time is used for all potencies, only the selector switch is changed for the different potencies. In this case, no physical additives, no succussions and no dilutions are used. The charging symbol is a cardboard disc containing a series of concentric circles and radial lines at various angular orientations (see Fig. 1). The angular spacing of the lines represents a specific code identity for the particular homeopathic remedy desired. An altered spacing of any two lines indicates a different substance in the radionic coding system which uses angular referents.

These two very different procedures seem to give very similar results¹⁶ and, on the surface, it is difficult to detect any common features. Yet each has a strict protocol which must be followed to the letter to obtain reliable and reproducible results. How are we to understand this?

The last piece of experimental data that must be dealt with comes from studies by physicians using the Voll¹⁷ electrodermal instrument for monitoring acupuncture points.(A.P.s) Practitioners find a change in skin electrical conductance of an A.P. when a particular beneficial homeopathic remedy is placed in the vicinity of the electrical measuring circuit (as illustrated in Fig. 2) or of the patient's body (jar is held in the patient's hand). This seems quite analogous to the Cayce-prescribed gold chloride treatment illustrated in

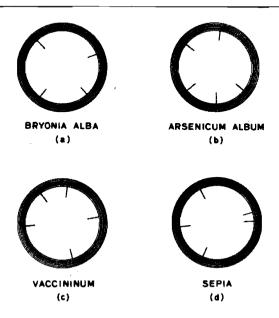


FIGURE 1. Examples of four Rae coding cards for potentizing homeopathic remedies.

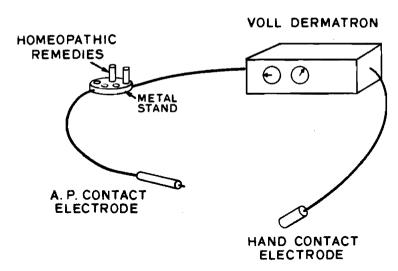


FIGURE 2. Schematic illustration of remedy selection using the Voll dermatron.

Fig. 3.18 In this latter case, the electric current seems to draw a therapeutic vibrational constituent from the solution and carry it into the patient's body. With the Voll instrument, which has been analyzed in a companion paper, a meter reading different than 50 indicates an imbalance in the particular meridian (and organ) being tested. Selection of a suitable homeopathic remedy and the placing of that remedy in the electrical environment brings the reading to 50, whereas other remedies either produce no change or result in an even greater imbalance. This suitable remedy is then able to restore harmony to the body to the extent that the electrical condition of the acupuncture meridians are capable of revealing. It is, of course, possible that this particular remedy may not balance the symptoms in all three levels—physical, emotional and mental—but only on those levels that immediately couple with the bioelectric condition of the body.

There have been four main categories of theories published in homeopathic journals to attempt an explanation for these phenomena. The first three have been discussed by Barnard¹⁹ and are: (1) invokation of spiritual forces, (2) acceptance of the atomic hypothesis with the postulation that, by various devices one gets a few atoms of the original drug left even in the highest potencies and (3) invention, without experimental evidence, entirely new concepts of matter with strange new subatomic particles and antiparticles. A fourth category was proposed by Barnard¹⁹ and developed by Barnard and Stephenson.²⁰ It involves the formation of stereospecific water polymer molecules that are entirely characterized by the solute molecule from the original tincture.

Since we don't know how to define "spiritual" forces in a scientific sense at this point in time, little progress can be made by trying to build on this path. We should also abandon the second path because (a) on the average, no physi-

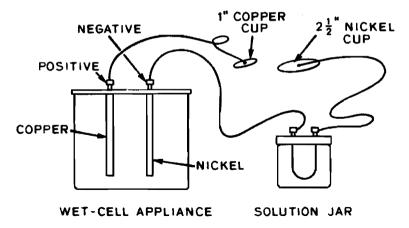


FIGURE 3. Illustration of the use of the solution jar technique with the Cayce wet-cell appliance.

cal molecule of the drug will be left in a homeopathic sample with a potency above 12X and (b) the Rae potentizer¹⁶ can produce the desired effect without any physical remedy having been present at all. A similar critique applies to the fourth path; i.e., (a) the homeopathic remedy can be potentized without succussion or the presence of any physical tincture so the proposed stereospecific H2O polymer formation mechanism cannot operate, and (b) the proposed polymer formation mechanism would lead to high viscosity for the remedy at high potencies and this is not observed. We are thus left with the third path as the only one left to follow but we must also be careful to develop the theories to a sufficiently sophisticated level that they can be tested experimentally. We must maintain only provisional acceptance and withhold final acceptance until a great set of consistency relationships can be generated by the theory and until experimental support is eventually forthcoming. With this caution firmly in mind, let us now proceed to a consideration of the author's general theoretical framework for understanding subtle energy phenomena. Later, we will utilize this framework to provide an explanation (rationalization) of the set of homeopathic facts listed in Table II.

GENERAL THEORETICAL FRAMEWORK

For the past two decades, this author has been attempting to develop a model of the universe which allows psychoenergetic phenomena to coexist with conventional physical phenomena. I have come to think of the universe as being multidimensional²¹⁻²³ far beyond the simple "four-space" that we perceive with our present level of consciousness (3 distance coordinates, X_1 , X_2 , X_3 plus 1 time coordinate, X_4). I am proposing that our four-space (the Einstein universe) is imbedded in a fifth (X_5) which is imbedded in a sixth (X_6) and that, in turn, is imbedded in a seventh (X_7) , et cet. The phenomena of our present interest must deal with some of these higher spaces.

TABLE II

Homeopathic Facts to be Explained

- l. Law of Similars
- 2. Potentization Beyond 12X
- The Rae Potentizer
- 4. The Voll Remedy Testing Method
- Loss of Potency by Heat, Sunlight, etc.

To illustrate what one can expect from a multi-dimensional model of reality, consider the entrance of Einstein's ideas on relativity into the domain of classical physics at the turn of the century. His work showed that physical experience, which we characterize with three distance coordinates and one time coordinate, functions in such a way that the distance and the time coordinates are intimately connected (not independent) and that they form a space/time manifold in our experiential frame of reference. He showed that, for certain domains of our experimental variables, such as very large velocities, very large energy densities and very large mass densities, the observable behavior of nature meaningfully departs from expectations based upon a linear extrapolation of our common experience; i.e., clocks slow down, measuring sticks shorten, things become heavier, et cet. Although these suggestions must have seemed a little crazy at the time, experiments of the last few decades have confirmed that these very non-linear totally unexpected phenomena do, in fact, occur.

I am proposing that, as humans evolve, our coherence with respect to perception of additional coordinates of nature (X₅, X₆, X₇,et cet.) will increase to the point that these higher dimensions can be integrated into our perception mechanism on a parallel footing with space and time. I further propose that, as a consequence of such self-integration, individuals may manifest and manipulate the X₅ quality to such a degree that the four-dimensional space/time frame of reference will become coupled to the X₅ coordinate to form a five-dimensional manifold. Once again, essentially non-linear phenomena, relative to four-space experience, may be expected to appear; i.e., events like materialization/dematerialization, precognition, remote viewing and potentizing of homeopathic remedies. In this work, X₅ refers to the coordinate of "intention."

Although the visualization of space/time is difficult, in 1908 Hermann Minkowski was the first to successfully picture relativity by plotting the distance coordinate as the x-axis and the time coordinate as the z-axis of a stan

dard cartesian plot. If everything must travel slower than the velocity of light, c, then any physical phenomenon of our causal future may be represented by a point in the upper cone of fig. 4a (since no one has ever noticed a place except at a given time or a time except a given place). The interior of the lower cone represents our past and the connecting point or origin is the "now." The slope of the cone boundary represents distance/time = c. No phenomenon of our physical experience is allowed to lie outside of the "light cone." If there exists a class of phenomena subject to space and time constraints and operating in the universe at velocities $c < v < c^*$, then they could be represented by points within a second light cone and outside of the first as illustrated in fig. 4b. In this representation, the coordinate R_3 is given by the simple Pythagorean relationship:

$$R_3^2 = X_1^2 + X_2^2 + X_3^2. (5)$$

To go beyond the 4-space representation to visualize phenomena operating in 5-space, we can follow the foregoing procedure and construct a 4-space vector coordinate between the origin and a particular point (R_3, X_4) in fig. 4a, having a magnitude given by:

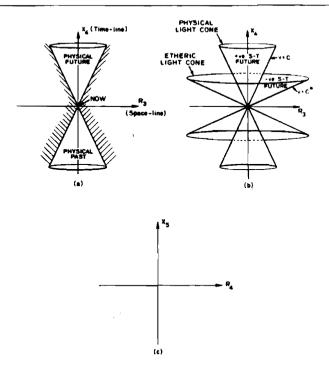


FIGURE 4. Visualization of space/time, (a) conventional Minkowski space, (b) Modified Minkowski space representing both physical and etheric perception, (c) framework for representing perception in 5-space.

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$$R_4^2 = R_3^2 + X_4^2 = X_1^2 + X_2^2 + X_3^2 + X_4^2.$$
 (6)

A plot of 5-space phenomena can then be represented by points in a simple (X_5, R_4) coordinate system as illustrated in fig. 4c. Since we presently have no idea concerning any constraints operating between the X_5 coordinate and the R_4 coordinate, we cannot draw any simple figure constraining phenomenal behavior in fig. 4c as we did in fig. 4a. Similar extensions could be made to represent 6-space, 7-space, et cet., classes of phenomena.

Returning to our well developed and well accepted 4-space perceptions, any phenomenon which depends upon the X_5 X_6 or X_7 coordinate must be classed as a subjective phenomenon when viewed from a 4-space frame of description. Only when humans have evolved to use a 5-space, 6-space or 7-space frame of description may such a phenomenon be properly classed as objective. As we shall see, for the time being, this puts homeopathy squarely in the subjective phenomenon category.

Now we must ask how the universe might be structured to allow the intensity of an individual's intention to affect the world of his or her physical perception. We shall see that this also allows one to potentize a homeopathic remedy. This author's model has been published elsewhere²³ and it is too extensive to be repeated fully here. Let us just examine the key features and some of the consequences of that model. The three major categories of the model are: (1) the structure of space, (2) multiple levels of substance and (3) multiple types of radiation.

SPACE

As a tangible example, we shall consider a 6-space, which is the frame of "mind" in the model. This space $(X_1, X_2, X_3, X_4, X_5, X_6)$ is not a continuum but has a structure of active nodal points that form a close-packed lattice with a lattice spacing, $\sim 10^{-27}$ meters; i.e., an extremely fine grid. At a 3-space level, this lattice would be of the close-packed hexagonal type.

This primary lattice of nodal points contains two sub-lattices which are both reciprocals of each other. The first sub-lattice is also a reciprocal lattice of the primary lattice. This first sub-lattice has a spacing, $h_F \sim x_{-1}^{-17}$ meter and, at a 3-space level, is also of the close-packed hexagonal type but rotated by 90° with respect to the primary lattice. This is the domain of etheric substance and is called the negative space-time frame (- ve S-T). The second sub-lattice has a spacing $\lambda_p \sim 10^{-7}$ meter and, at $\frac{1}{\Lambda}$ 3-space level, is also of the close-packed hexagonal type but rotated a further 90° with respect to the negative space-time sub-lattice. This coarsest grid is the domain of physical substance and is called the positive space/time frame (+ ve S-T). A picture of this nodal structure of space at a 2-space level is illustrated in fig. 8.

>m

 $\lambda_{\mathcal{E}}$

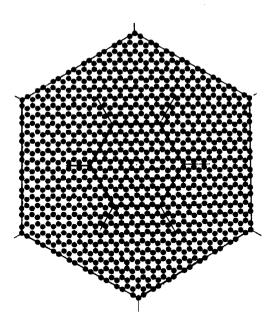


FIGURE 5. Hexagonal lattice representing (a) mind sub-lattice as the smallest hexagon, (b) negative space time sub-lattice rotated by ninety degrees and (c) positive space time sub-lattice as the largest hexagon rotated by an additional ninety degrees.

SUBSTANCE

Many levels of substance function in this 6-space; however, only two are critically relevant to this paper. These are the physical and etheric levels of substance which arise as a zero-energy fluctuation of two polar opposite qualities (electric and magnetic particles) in the 6-space. Thus, at the physical perception level, substance is electrical in nature, has positive mass and energy, travels slower than the light velocity, c, and curves space in such a direction as to produce gravitational forces. At the etheric perception level, substance is magnetic in nature, has negative mass and energy, travels faster than c and curves space in such a direction as to produce levitational forces. A "mirror" type of relationship exists between these two types of substance as illustrated in Table III.

Interaction between electromagnetic (physical) and magneto-electric (etheric) substances can only occur via a substance that does not suffer the singularity at a velocity equal to c. This substance is a 5-dimensional substance and is called "deltron" substance. It thus allows energy to be exchanged between these two major categories of substance. Increasing the intensity of human intention increases the deltron content and thus the coupling between physical and etheric substances.

TABLE III

Mirror Relationship Qualities between
Electric and Magnetic Substances

х	1	x*
Electric monopole		Magnetic monopole
Forms atoms, molecules, etc.		Forms atoms, molecules etc.
Coherence state I	- 1	Coherence state II
Positive mass	1	Negative mass
Slower than light		Faster than light
Electromagnetic radia- tion at speed of light	"Mirror"	Magnetoelectric radiation at 10 speed of EM light
Positive energy states	20	Negative energy states
E increases as v	Relationship	E increases as v
increases	Ę	increases
Positive time flow	ns	Negative time flow
Gravitation	P.	Levitation
Frequency	ı	Prequency
Screened by Faraday	1	Not screened by
cage	1	Faraday cage
	- 1	Magnetic cage screening
I generates H	1	I _m generates E
Space I		Space II

RADIATIONS

At each level of substance, special radiations are present to allow the substances to undergo their spectrum of energy transitions. At the physical and etheric levels, the dominant radiations are electromagnetic (EM) and magnetoelectric (ME) respectively. At each of these two levels, a set of Maxwell-type equations function but with different wave velocities. These velocities are thought to be the same in physical vacuum but differ in matter of altered density. EM radiation slows down while ME radiation speeds up as the physical density increases. This is a consequence of the Mirror Principle.

Light, as we know it, is a composite quantity, consisting of at least EM, ME and deltron radiations. We presently perceive only the EM radiation.

SOME CONCLUSIONS OF THE MODEL

One of the conclusions of this model is that the cosmic atom has a great deal more structure to it than we have so far discerned using only our EM probes. With time we should hope to be able to describe the spatial location of the deltrons, magnons, etheric atoms, mind particles, et cet., and come to

understand the synergistic interaction of all of these entities into the functioning of one super cosmic atom. We would also hope to find that our present quantum mechanical mode of description of the atom is required only so long as we neglect the particle/particle interaction between the physical and these other levels; i.e., quantum mechanics may be seen to be a useful device for objectifying a purely subjective phenomenon (if described only at the 4-space level).

A second important conclusion of this model (for the case of a perfect lattice) relates to the diffraction of waves between the sub-lattices. Since each sub-lattice is a reciprocal of the others, when waves travelling in the mind sublattice are diffracted from the nodal points at that level, the constructive interference beams pass through the nodal points of the negative and positive space/time sub-lattices. Thus, correlative patterns of the mind level information are imprinted onto the - ve S-T and + ve S-T sub-lattices and vice versa; i.e., there is a connectivity and integration of patterns from all levels. The patterns stored at the mind-level of the universe are automatically projected onto a duplex screen—the negative and positive space-time grid points. Substance interacts with these grid points via the deltron coupling. The information potential patterns on these grids are transferred to the physical and etheric domains of substance; i.e., when we make an action at the physical level, we do so because our physical and etheric substances are trying to conform to the changing patterns stored in the positive and negative space-time grids.

To see how the intensity of an individual's intention affects the universe via this model, consider how an individual responds to events entering his or her consciousness in daily life. The response is in the form of thoughts, attitudes and actions. The thoughts and attitudes are radiated as waves that enter the primary mind lattice and superpose with the patterns already there. If the individual's intensity of intention is high, the degree of change at the grid points will be high. This change at the mind level is almost instantly transferred to the positive and negative space/time grid points which produce eventual changes at the substance level. These latter changes prepare a new set of events which conform more closely to the attitudes and thoughts that served as the initial generator. Once again, response is made to the new events via thoughts, attitudes and actions, and so the cycle is iterated. In this way, we collectively create our own future and experience that creation, whether or not we are consciously aware of doing so.

SPECIFIC MECHANISMS FOR EXPLAINING HOMEOPATHIC FACTS

Physical and Etheric Substance Counterparts

A key postulate is that the condition of health occurs when each type of physical chemical in the physical body has a chemical counterpart in the etheric body at the appropriate concentration ratio, C_{E_i}/C_{P_i} , of the j species. Dis-

harmony leading to disease is thought to occur when this ratio is out of balance. Balance may be restored by either increasing or decreasing the j chemical constituent at the physical level; i.e., by manipulating C_p . Present allopathic medicine utilizes the "increase" mode. The "decrease" mode is not generally possible, although recent studies with blood filtration is a step in the proper direction. Balance may also be restored by increasing or decreasing a chemical constituent at the etheric level; i.e., by manipulating C_E . Homeopathic remedies deal with the increase mode and no apparent method exists at this level for the decrease mode. A potentized remedy is, in fact, the etheric counterpart of the physical constituent that has reached toxic proportions in the body and has produced the specific symptoms. Thus, by combining both allopathic and homeopathic procedures in the increase mode, all values of the ratio C_E/C_{P_i} are possible so that the balanced condition may always be produced.

This can also be looked at from an energy point of view in that each atom is an absorber and radiator of a specific spectrum of energies of the EM or ME variety. Thus, for optimum tuning between the etheric and physical bodies so that energy is most efficiently used, the proper chemical radiators must be available in each body and at a concentration such that the absorption cross-sections for the important specific radiations (as seen through the deltron coupling medium) are properly impedance matched.

It should be apparent that, not only must the C_E/C_P ratio be in the proper range for etheric/physical balance, but that C_E or C_P must also be in the proper range to exchange radiation efficiently with the other chemical constituents of the body (C_E or C_P , et cet.) so that the body can function at a good overall power level; i.e., there are a set of radiation balances required for energy exchange within the physical body as well as between the physical and etheric bodies and some total content pool of special chemical constituents is needed to maintain a type of stationary state energy level in the presence of the natural radiation losses from the body.

Signature of the Energy Interaction Between Physical and Etheric

Because of the "Mirror Principle" the etheric atoms and molecules will seek the densest part of the physical atom for its most stable residence; i.e., the nucleus. Thus, in our holistic atom, etheric substance will be found primarily inside the nucleus of the physical portion. A band or cloud of deltrons is thought to be located at the periphery of the nucleus and slightly overlapping the interior. And, of course, the physical electrons are far removed in orbits outside the nucleus. If this is so, how does the etheric substance interact with its own kind and how does it interact with physical substance?

The analogy to be used in answering the aforementioned question is to explain how physical atoms and molecules interact with one another. Within a physical atom, as the electrons move in their orbits, they develop instantaneous electric dipole moments and electromagnetic theory states that whenever there

is a moving electric dipole there is the emission of an electromagnetic wave. The EM wave is a photon in the frequency range of the ultraviolet since it was generated by electron excitations. If this EM wave impinges on a second atom that is polarizable in this frequency range, there will be absorption of the photon followed by later re-emission sending its EM wave back to atom 1. Because of this photon flux, there will be a force of attraction between atoms 1 and 2 given by the product of the instantaneous electric dipole moment of atom 1 and the magnitude of the EM wave from atom 2 that reaches atom 1. As physical atoms combine into molecules, the molecules into membranes, the membranes into cells, etc., the same type of electrodynamic forces operate only now the EM frequency spectrum is richer and filled with lower frequency components (visible, infrared, microwave, etc.). The larger is the entity that is oscillating collectively, the lower is the EM frequency. It is this type of electrodynamic force that holds the cells together in our physical bodies.

Returning to the etheric atoms and molecules, they interact with their own kind via analogous forces, the magnetodynamic forces generated by the movement of instantaneous magnetic dipoles in the etheric atoms and molecules. They also interact with physical matter through the intermediary of the deltrons i.e., some ME photons are absorbed by the inner shells of the deltrons (moving at $V_{\delta} > c$), deltron radiation exchange within the deltron cloud occurs between the inner $V_{\delta} > c$ states and the outer $V_{\delta} < c$ states and finally deltron radiation emission occurs from these slower states which can be absorbed by the electrons and the physical nuclei. We now ask what is the character of this final emitted deltron radiation that allows it to have an electrodynamic feature so that it can be absorbed by electric charges? The important postulate made now is that this deltron radiation field has a characteristic which presents itself as the magnetic vector potential field, \overline{A}_E . From Maxwell's EM equations, ²⁴ we know that the magnetic vector potential pattern generates both a magnetic field, \overline{B} , and an electric field, \overline{E} , having the following mathematical forms:

$$\overline{B} = \text{Curl } \overline{A}_{E}$$
 (7a)

and

$$\overline{E} = -\frac{\partial A_E}{\partial t}$$
 7b)

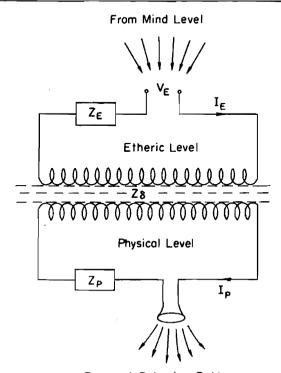
Thus, the signature of etheric substance, as viewed from + ve S-T, is an added component, \overline{A}_E , to the total magnetic vector potential A_T influencing the electrodynamic forces at the physical level. If we had sufficiently sensitive instrumentation in the proper frequency ranges, we would be able to detect a shift in the dielectric response spectrum of a material as etheric atoms and molecules are added to the physical nuclei of the material.

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From the aforementioned we can expect that, in a potentized remedy compared to an unpotentized remedy, the water molecules will exhibit a slightly different EM radiation pattern with new frequency components being present in the spectrum and with a larger intensity at some of the old ones. The altered electrostatic field will probably cause the H_20 molecules to cluster in a slightly different fashion but this is thought to be a second order effect. This water cluster template is merely a type of shadow heralding the presence of the etheric molecules and is probably not important, of itself, for chemical reactions in the body. However, it may eventually lead us to a method of detecting the presence of the etheric molecules if we can use neutron or x-ray scattering techniques to non-destructively distinguish the subtle differences in the H_20 clusters.

Electric Circuit Model and the Law of Similars

In this section, let us go to a more macroscopic level and consider a picture at the energy level of substance. Let us imagine the etheric and physical bodies of man, or at least these two levels of substance in man to function somewhat like the primary and secondary circuits of an electrical transformer. This is illustrated in fig. 6. Here, Z_E and I_E are the impedance and energy current of the etheric circuit while Z_p and I_p are the impedance and energy current of the



Personal Behavior Patterns

FIGURE 6. A schematic illustration of the etheric (primary) and physical (secondary) levels of substance as coupled circuits of a transformer of transducer system.

physical circuit. The system is powered by the source potential, V_E , connecting the etheric substance to deeper levels and the intercircuit energy coupling with the physical occurs via a coupling impedance Z_C^{\bullet} with the deltron field. The greater is the density of deltrons present, the smaller is Z_C^{\bullet} and the greater is the amount of energy transferred through to the physical body from the source via the etheric body.

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Let us assume that individual behavior in +ve S-T is some function f_1 of the physical energy current spectrum, $I_p(\omega)$ (where ω is frequency); i.e.,

Behavior =
$$f_1^{\mathbf{f}}[I_p(\omega)]$$
 (8)

so that, if the amplitude at a range of frequencies, ω , is altered, the output personal behavior patterns of the human system will be altered. If the entire spectrum is shifted up or down in amplitude, then the individual exhibits stronger functioning or weaker functioning but with the same personal behavior patterns.

Analogous to electric circuit theory, the current in the etheric circuit $I_E(\omega)$ is given by:

$$I_{E}(\omega) = f_{2}[V_{E}(\omega), Z_{E}(\omega)]$$
 (9)

and the current in the physical circuit by:

$$I_{\rho}(\omega) = f_{3}[Z_{\rho}(\omega), Z_{\rho}(\omega), I(\omega)]$$
 (10)

where f_2 and f_3 are functions yet to be determined by future experiments. When a particular individual is healthy, he exhibits a physical current spectrum $I_p^*(\omega)$ and when he is unhealthy, he exhibits a current spectrum $I_p^*(\omega) + \Delta I_p(\omega)$, where $\Delta I_p(\omega)$ may be positive for some frequencies and negative for others. Now let us consider what happens during the "proving" stage of a physical substance versus the operation of this substance as a homeopathic remedy at a potency greater than 12X.

When one gives a specific physical substance in small amounts, ΔC_p , to an individual over an extended period of time, the impedance spectrum at the physical level is likely to change by an amount, $\Delta Z_p(\omega)$; i.e.,

Healthy +
$$\Delta C_p \rightarrow \Delta Z_p(\omega) \rightarrow I_p^*(\omega) + \Delta I_p(\omega)$$

where $\Delta I_p(\omega)$ leads to behavioral changes away from the optimum $I_p^*(\omega)$ (it can be positive or negative). When one gives this specific homeopathic remedy in the potentized condition in an amount ΔC_E to an individual with these same physical symptoms, the etheric circuit impedance is altered in the opposite direction via the "Mirror Principle" and so we have:

Unhealthy +
$$\Delta C_E \rightarrow -\Delta Z_E(\omega) \rightarrow I_E(\omega) - \Delta I_E(\omega)$$
 (12a)

$$Z_{p}(\omega)$$

$$\rightarrow I^{*}(\omega) + \Delta T_{p}(\omega) - \Delta'' I_{p}(\omega) \qquad (12b)$$

$$\rightarrow I^{*}(\omega) \qquad (12c)$$

when the potency and specificity yields

$$\Delta T_{p}(\omega) = \Delta T_{p}(\omega)$$
 (13)

Equation 13 says that if we think of the physical substance producing a positive quantity $\Delta T_p(\omega)$ via the change $\Delta Z_p(\omega)$, then its etheric counterpart will produce the opposite effect on $\Delta Z_E(\omega)$ and thus lead to a lowered etheric current which transduces, via the constant coupling impedance $Z_{\Phi}(\omega)$, to a lowered physical current. Since the physical and etheric substance of the remedy are exact conjugates, the frequency spectrum changes will be mirror images. Thus, if the system is operating in a linear range, the change $\Delta''T_p(\omega)$ will exactly scale with $\Delta T_p(\omega)$ and, if the potency is correct, eq. 13 follows.

Therefore, following this procedure, a new balance is restored to the system, the symptoms disappear and the system returns to its normal behavior pattern. The overall energy level of the system at the physical level is restored because $I_n(\omega)$ is restored.

To produce initial behavior changes at the physical level may require a long time since $Z_p(\omega)$ is being altered by gradual structural changes. However, to produce changes at the etheric level may require a very short time to alter $Z_E(\omega)$ because all the transport velocities, and thus all the process changes are greatly accelerated at that level compared to the physical. Perhaps this is why only one treatment with the correct homeopathic remedy in the correct potency very often restores the harmonious state of balance.

The conclusion is that the Law of Similars has an explanation in the Mirror Principle of the positive and negative space/time frames. It is not fully clear that the field of homeopathy is better off with this new explanation. However, at least a new "consistency relationship" has been established and the field of homeopathy is now connected to a variety of new experiments in the area of psychoenergetics. We see that the macroscopic picture of energy exchange is consistent with the microscopic energy exchange of the previous section and with the concentration ratio principle $C_{\rm E}/C_{\rm P}$ of the earlier section.

Mechanism of Potentizing via the Succussion Method

The succussion method utilizes the archetypal pattern of Hahnemann and all the other following dedicated homeopathic practitioners. This pattern exists at the mind level of the universe and acts as a type of computer code for the

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overall process. The intention of the homeopathic remedy manufacturer and the clear protocol select and activate this particular circuit process potential. The succussion, by the vibrational agitation in conjunction with the operator's mind, releases readily detachable "deltrons" from molecules of the solvent. These deltrons, interacting with the essential mind patterns imprinted on the nodal points of the negative space/time lattice (with a spacing much smaller than the nuclear diameter), use molecules of the physical tincture as a template and construct "etheric" molecules from the available pool of etheric particles analogous to a type of photochemistry. Thus, both the mind pattern, the initial physical molecules plus the deltrons serve as a type of catalyst for etheric molecular construction. Under the proper manufacturing conditions, etheric activity increase per unit volume during each succussion step is much greater than the corresponding decrease in etheric activity during the subsequent dilution step. Each subsequent succussion step releases all readily available deltrons from the new batch of solvent and again a photochemical reaction increases specific etheric activity. Even when there are no physical molecules of the original substance remaining in solution, the process of potency increase continues because the original precise coding is still present and is being followed, new deltrons are becoming available at each step and the specific pattern to be amplified is present in the form of the corresponding etheric molecules. As potency of the remedy increases at the etheric level, its magnetodynamic radiation pattern entrains basic etheric constituents to further increase the pattern strength.

This discussion has focused on the manufacture only of etheric molecules; however, it should be recognized that both the intention and the computer code

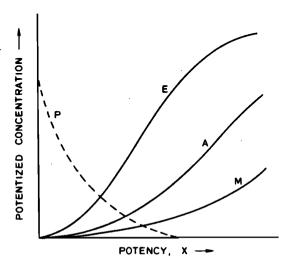


FIGURE 7. Schematic illustration of the growth of potentized concentration of a homeopathic remedy at the etheric (E) emotional (A) and mental (M) levels.

deal with the formation of health restoring constituents which must also occur at the etheric, emotional and mental levels. The state of health must be written as

HEALTH =
$$(C_E/C_p)_i + (C_A/C_p)_i + (C_M/C_p)_i + ; j = 1,2,...$$
 (14)

where A and M refer to the emotional level and the mind level respectively. The multi-state reaction equation is thus of the following symbolic form

$$P_{j} \stackrel{\delta}{=} E_{j} \stackrel{A_{j}}{\bowtie} \emptyset ; \quad j = 1, 2, \dots$$

$$M_{j} \qquad (15)$$

such that substance at any proposed level can act as the template for formation of the remainder of this reaction chain to their equilibrium concentrations. In accordance with this hypothesis, the growth in C_E , C_A and C_M resulting from potentization can be expected to resemble fig. 7. Depending upon relative magnitudes of activation barriers for the A_j/E_j , M_j/E_j and A_j/M_j reactions, the order of the curves in fig. 7 may vary. Here, for a given potency X, $C_E > C_A > C_M$. It may be useful to note that one can develop kinetic laws describing the growth of C_E , C_A and C_M as a function of X in terms of the essential parameters of the problem.

Mechanism of Potentizing via the Rae Method

In this method the intention of the individual is made coherent via the Rae coding symbol (see fig. 1) plus the potency dial setting. This simple device serves as an amplifier to build the requisite molecules inherent in a pattern residing at the mind-lattice level of the universe. This pattern utilizes deltrons inherent in the solvent and charges the solution, contained in a recessed wall of the device, with the requisite pattern to the requisite potency. It is a materialization event on the etheric and deeper levels of substance. It works via the architypal pattern of properly-constructed radionic devices and via processes inherent in equations 14 and 15.

Loss of Potency Mechanisms

To understand the loss of potency caused by heating to a high temperature, we need only consider the Mirror Principle which indicates that, as the kinetic energy of the atoms and molecules increases at the physical level due to the increase of temperature, the reverse situation occurs at the etheric level. This occurence tends to destroy specific molecular structure at the etheric level such that etheric polymerization reactions occur. Because of this, the magnetodynamic radiation spectrum from this species is shifted in frequency such that $\overline{A}_E(\omega)$ is no longer the balancing counterpart of the physical ingredient used in the proving of the remedy and the remedy is said to have lost

its potency. More correctly, it has lost its specificity. If we take the remedy to very low temperatures, we should again expect the specificity of some remedies to be lost because the kinetic energy of the specific etheric molecules has increased to the point where fragmentation reactions may occur.

The effect of sunlight is similar to the effect of heat for the same reasons. The effect of aromatic substances is somewhat different and is instructive to consider because it illustrates another stabilizing/destabilizing factor for the etheric species. Here, the effect is upon the water cluster changing its configuration and we can conclude that, just as the ME radiation action through the deltron coupling agent produces a set of fields that helps to stabilize a type of water cluster, the EM radiation from this cluster, acting back through the deltron coupling agent, produces a set of fields that helps to stabilize the specific etheric molecule. If external forces disrupt this particular water cluster at the physical level, then one of the stabilizing factors is removed for the specific etheric molecules. For some etheric species, which are close to the instability threshold, this may be sufficient to cause them to decompose. For others, no effect will be noticed because they are not close to an instability threshold

At the physical level, there are at least two other ways to change the cluster character of $(H_2O)_n$ molecules. It has been shown that placing water in a strong magnetic field reduces the polymeric character of water clusters and increases the population of monomeric species such that the amplitude of the stretch mode in the infrared spectrum of water is reduced.²⁵ Likewise, by adding electrolytes to water, the cluster character is altered.²⁶ Thus, homeopathic potency changes should occur for some systems via application of magnetic fields or electrolyte additions. If the latter effect is important for a specific remedy then the mode of administering the remedy may be important, i.e., subcutaneous injection versus oral ingestion.

Voll Dermatron Remedy Selection

As discussed earlier, any statements made concerning radiation emission from the physical level of substance has its analogues at the more subtle levels of substance. One mode of communication of the body's internal organ condition is via a spectral distribution of EM radiations. Following the mechanism of electric dipole movement discussed earlier, the body at the physical level is emitting a whole spectrum of EM radiations from the electronic levels in the atom, which emit in the ultraviolet range; through the molecular movement modes, which emit in the infrared; and through the cells, membranes, organs, valve openings and closings in organs, etc., which emit in the microwave and lower frequency ranges (radiowaves and lower).

One can think of an EM wave set being emitted from the body. That wave set contains information concerning the functioning condition of all organs of the body. The total information is there, coded and modulating the high frequency waves (microwaves) and it can be tapped with the appropriate

antenna system. In the past, infrared scanning cameras have been used for this purpose and, more recently, people have begun to detect ultraviolet emission from the body. A major effort is presently being expended to tap the microwave band and to strip off all such modulating information. If there are no atoms or molecules in the immediate environment of the appropriate resonant frequency spectrum to absorb these radiations, they will travel large distances and can be detected even at 10-100 feet from the person. From all this, we must begin to look at the human body as a broadband antenna system fed by multiple oscillators. As usual, this is both a transmitting antenna (photon loss) and a receiving antenna (photon gain). A similar situation is occurring at the etheric, emotional and mental levels of the body.

In addition to the relatively unspecific broadband antenna system mentioned above, the body appears to contain a much more sophisticated antenna system for transmission and reception of information and energy to and from the body. This corresponds to the acupuncture point/meridian system network of the body. If this network utilizes the autonomic nervous system as "wiring," then an absolutely exquisite antenna can be fabricated from the resulting 600,000 miles of wire available. Such a large antenna is technically capable of a truly amazing information handling capacity; i.e., for reception, discrimination, processing and transmission of information. One can model the acupuncture points as the active end-points of a multi-element antenna array system^{27,28} (see fig. 8). This would be a phased-array with the acupuncture points (points of high electrical conductance) being either the

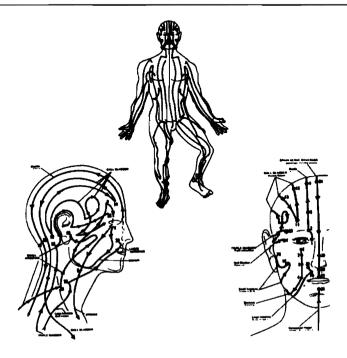


FIGURE 8. Some meridian circuitry and some acupuncture points in the body.

radiant sources (transmission) or the radiant sinks (reception) of the array system; i.e., specific energy beams can be propagated outwards for information transmission and such beams can be conducted inwards for information reception as well.

If we do think of this human antenna system as being closely analogous to a conventional antenna system (see fig. 9), then once the radiation pattern properties are known, it is necessary only to define the end-point element impedance to completely specify the electrical performance of the antenna. The impedance (admittance) of a radiating element has a mathematically real part, the resistance (conductance), and a mathematically imaginary part, the reactance (susceptance). The real part is related to the electrical power radiated from the antenna in travelling modes while the imaginary part is a measure of the energy stored in higher-mode fields in the immediate vicinity of the antenna. Both factors influence the mismatch between the antenna and its power source, and so affect the antenna efficiency. The radiating element impedance is observed to change if the antenna environment is changed. As this impedance changes, the electrical currents on the element may become redistributed and alter the radiation pattern. If the impedance varies rapidly with frequency, it is difficult to match it to a resonant condition over a broad

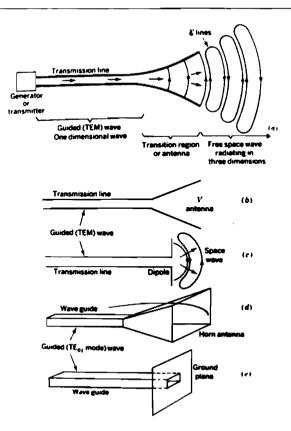


FIGURE 9. The antenna as a region of transition between a guided wave and a free space wave.

frequency band so that more energy will be stored in local modes and the impedance will generally become more sensitive to environmental variations.

From this close analogy between the body antenna system, with the acupuncture points as the antenna elements, and the kind dealt with in electrical engineering,²⁴ we deduce that the human physical aura is due to the mathematically imaginary part of the EM power stored in higher-mode fields in the immediate vicinity of the body. Because more subtle radiations will also be emitted by the more subtle levels of substance in the body just as EM radiations are emitted by physical substance, we may expect each to give rise to a local higher-mode field of its own which will be recognized as the aura envelope around the body for that particular subtle energy. The mathematically real part of the antenna radiation leads to propagating modes for either transmission or reception.

With a conventional electrical antenna system, if we place an electrically polarizable substance in the near field of the system, the electrical impedance of the radiating elements close to the object will change which, in turn, shifts both the radiation pattern and power output of the entire system. By analogy, if we place a physical substance in the near field of the human body and that substance is polarizable (or radiating) in an important frequency range of the human antenna system, the electrical impedance of the acupuncture points will be slightly altered as will the power efficiency of the entire antenna system. This is probably the mechanism by which the Kinesiology technique²⁷ is operating when one uses that method to select beneficial body nutrients for a patient. This method would work best if the substance was held adjacent to the acupuncture point that is most directly connected to the organ of concern. Then, the needed radiations would flow from the substance, along the meridian to the organ and instantaneously and temporarily improve the functioning of the organ which absorbs these EM frequency components. The improved functioning of the organ allows a better impedance matching of the entire system and more power flows in the system. This is reflected in a stronger muscle response as detected by the Kinesiology technique. To detect dosage, the mental level circuitry becomes involved.

In the same way, but at the etheric and more subtle levels, we can begin to understand the Voll technique for selecting beneficial homeopathic remedies. It is the shift in the impedance at the etheric and more subtle levels due to the presence of the homeopathic remedy that is involved here. These frequency components reduce the impedance at the etheric level which, as shown in fig. 6, leads to an increased energy current at the physical level and this change is detected as an altered electrical conductance of the acupuncture point as measured by the Voll instrument.^{7,17} The fine details of this model are too complex to present totally here since they probably involve some degree of telepathic interaction of mental level radiations between physician and patient.

Application to Cayce and Eemans Techniques

In both the Cavce radioactive appliance technique and the Eemans' relaxation technique. 18,28,29 a copper wire circuit connects different quadrants of the body. Microelectric currents flow from one quadrant to another to produce a balancing of the body's electrical energies. In many cases, the wire is passed through a jar containing a particular chemical solution and effects beneficial to the body are observed. Cayce indicates that, "In terms of the elements in the solution jar, you can use gold chloride and that supplies nerve energies for rebuilding nerves. Put in spirits of camphor and that supplies healing forces. You can put in Atomidine and that supplies cleansing of the body."28 Based upon conventional allopathic medicine one could not begin to understand the efficacy of this procedure. However, based upon the model hypothesized in previous sections, the general sense of such a technique can be seen. Picking the gold chloride solution as one example, the electrodynamic oscillations of the gold chloride penetrate the copper wire in the solution jar and modulate the electron drift patterns which make up the almost direct current flowing between the different quadrants of the body. This will be a frequency modulation rather than an amplitude modulation and essentially constitutes the transportation of a potion of gold chloride EM photons by the electric current into the acupuncture meridians of the body. These are indeed very low intensity effects; however, it appears that it is at just such low intensity levels that cells absorb photons and can communicate with each other.³⁰

SUMMING UP AND PROPOSED EXPERIMENTATION

The theoretical framework proposed here appears capable of rationalizing a number of important homeopathic phenomena into a rational construct that is well connected to allopathic concepts. Based on this model, we see that the science of homeopathy must deal with the physics and chemistry of etheric and more subtle substances. Viewed from a purely physical framework, remedy potentization involves charging the physical molecules with a kind of battery that delivers specific EM radiations to the environment. Thus, homeopathy is an energy medicine that works on the basis of photon exchange and photochemical reactions. Homeopathy is indeed a laboratory for etheric science but it will not be easy to study it from the physical level because of our lack of both detectors and generators of these subtle energies.

The following lists the categories of experiments that can be performed to develop this new science:

Studies on potentized versus unpotentized water. Here one would look for shifts in the EM dielectric response spectrum especially in the very high frequency ranges (UV spectrum). Unfortunately, since most of the effects are at the

nuclear level, the major changes will probably occur in the inner electron shells so that the direct EM effects would be at the x-ray, y-ray and higher frequencies which would be very damaging unless they occurred at very low intensities—which means undetectable by conventional techniques. An avenue offering the best promise is to look for changes in the deltron spectrum but we have no good spectrometers presently available for this class of radiation. A beginning step has been made in this direction.³¹ The indirect technique of detecting changes in the specific cluster distribution of the H₂0 molecules is also a possibility but it is not likely to be precise, considering the limitations of our present diffraction techniques.

Studies on enzymes. Here one would look for changes in enzymatic activity just as Boyd did with diastase¹⁴ and Sister Justa Smith has done with Trypsin.³²

Studies on cell cultures. Here one would look for changes in pH, surface electrostatic potential of the culture, ϕ_S , surface electrostatic field, E_S, (gradient of potential) at both the DC and AC levels, dielectric response spectrum changes and changes in cell multiplication rate.

Studies on plants. Here one looks for changes in pH, ϕ_S , Eg, tissue electrical conductance and other electrical characteristics.

Animal studies. Here, one monitors acupuncture points and looks for changes in E_S, electrical conductance, ionic mobility, membrane permselectivity, use of the Voll remedy selection technique as well as internal ingestion techniques, etc.

Human Studies. Here, one does the same as with the animal studies and also monitors behavior changes.

As a final comment to this paper, it is encouraging that, by careful experimentation with electrodermal instruments and homeopathic studies on a range of living organisms, we can begin to gather important bio-electric data to further our understanding of living systems and to further develop a sound multi-dimensional medicine for the future!

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