

## **Chapter 16**

### **ENERGETIC MEDICINE AND MERIDIAN THEORY**

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Over five thousand years ago, when the rest of civilization was living in caves and still largely dependent on Shamanism for medicine, the Chinese developed a system of medicine known as *acupuncture*. They had medical schools when other societies of the world didn't have cities. Over these thousands of years societies with strong cultural differences embrace acupuncture. Societies that argue about everything imaginable and go to war over small differences of opinion. But yet as much as it must pain them they all agree on where the heart meridian points are. Everyone who studies acupuncture comes to the exact same conclusion of where the points are. There must be a stable form of science behind this ancient form of medicine.

Acupuncture has definitely withstood the test of time. The Chinese found that there were certain energy bands that ran through the body, and points on these bands. When these points were disturbed, there were certain effects on the physiology. It is rumored that a group of golden-clad beings gave the study of acupuncture to the Chinese circa seven thousand years ago. Other rumors pronounce the effect that people with certain illnesses seem to recover when they stab their fingers with needles, or sometimes when an arrow pierced them at a certain spot.

The development of the acupuncture meridian therapy thus had its infancy, and these early physicians, as they developed the idea, were working on an energetic form of medicine. Their emphasis was not on the chemistry, but more or less the energetic pathway. Without the technological skills to understand electrical phenomena or physics, these earliest practitioners were working on an energetic medicine model.

Modern medicine, the advent of physiology in anatomy from autopsies, developed a chemical philosophy, dependent on the chemistry of the body, and how it was diagnosed and changed. Now with the advent of modern technology and electronic theory, we have more insights as to the possibility of developing an energetic medicine model.

In 1953 Dr. Rheinhold Vol and Dr. Werner observed that the acupuncture meridians has different energetic components, meaning resistance factors, in sick people versus healthy people. This led them to be able to measure quantifiably the condition of an acupuncture meridian. A skin resistance device was developed, called the *Dermatron*, which was used to diagnose the variant resistance changes on different meridian points.

In 1955 Vol and his co-workers found that changes could be provoked in meridian points when a patient held the homeopathic medication that helped the meridian. Thus was the founding of medication testing; *Vol technique*. Later, practitioners developed different techniques of analyzing these conditions, and the technique spread around the world to many other practitioners.

In 1977 Dr. Shimmel found with his Vega test method that by electrically challenging a point with a larger dose of voltage, he could condense his testing to a mini-scan down to one point, and challenge the body through filters and medications.

But the techniques of hand held point probes were extremely susceptible to operator control. The operator can influence the readings by applying the pressure slowly or quickly. The speed of the pressure applied has control over the response. So the hand held point probe systems are very prone to therapist bias.

In 1982 Dr. Nelson found that skin resistance was not enough; other variables needed to be researched and developed in the field of energetic medicine. These variables are voltage, amperage, electrolyte potential, brain wave, EKG, gastric motility, and other variant methods. This blend of electrophysiological reactions was known as the trivector measurement. A lengthy review of the trivector principle is best presented in the International Journal of the Medical Science of Homeopathy, issue 1+4. A quick read of this material is suggested now.

In 1987 Dr. Nelson also discovered the *Xrroid effect*, using the indeterminacy principle of the morphic resonance of the universe as a meaningful modality of testing.

In 1985 Roy Curdin found the hololinguistic effect to have its part in the testing of different meridians.

In 1989 this was all brought together, along with standard medical blood testing, urine testing, personal health history, etc., to marry the best of modern medical diagnostic techniques with the new energetic medicine done by Dr. Nelson.

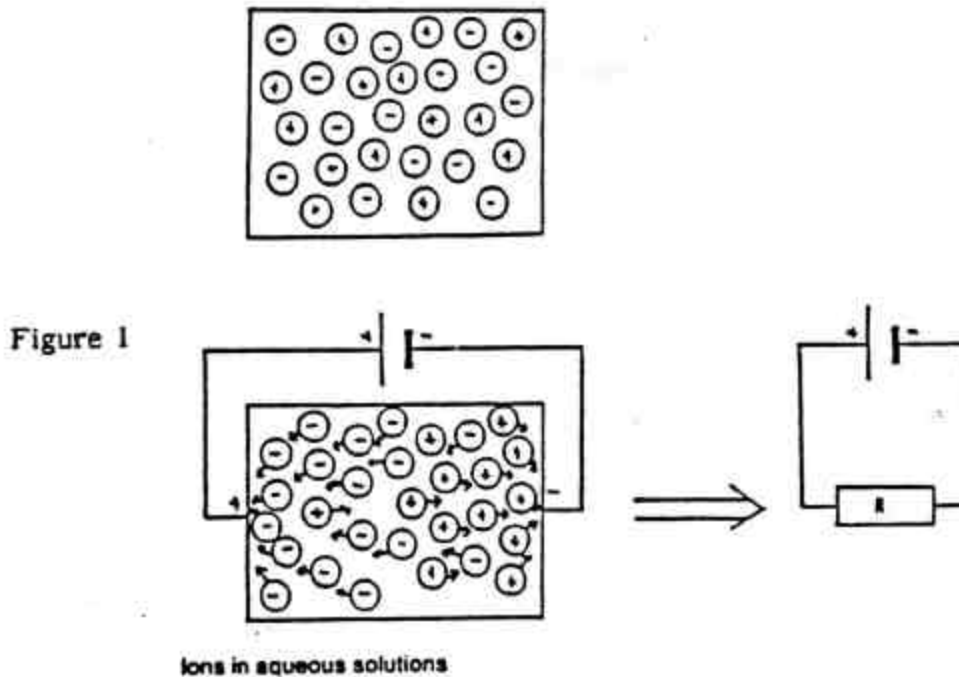
This new trend in medicine offers ways of understanding biology to answer questions that have gone centuries without solution, so that we can understand the biological process of healing much better than ever before.

In biology there are many different effects which need to be considered, including the ions in the electrolyte of the body; dipoles, including Van der Waal's forces and other para-magnetic forces within the body; boundary layers, ions and dipoles in viscous liquids, EMF, circadian rhythms (the rhythm of oscillatory functions, be it the heart wave, brain wave, or muscle tonus) and the resonant frequency of the electromagnetic radiation of the body, that is, the mitogenic radiation effect.

These and others will lead to the formation of a new medicine, capable of explaining biological phenomena better, as well as outlining new methods and diagnosis in treatment of the human condition.

First, the ions and electrolyte of the body. In electrically-neutral solutions the ions of both types are approximately equally distributed. Under influence of a voltage, the ions start to transport their charge to the pole with the opposite sign (Fig. 1). These ions can change reacting in one hundredth of a second (known as the ionic reaction time). So our xrrroid device can measure electrophysiological reactivity of over three thousand items in less than one minute.

The newest form of testing devices to eliminate therapist control and utilize the xrrroid is the Quantum Med C.I.



The resistance to this flow depends on the size of the ions and the kind of solution. To be more precise, the formula of the resistance is supplied by the equation  $R = L / A Q N U$ .  $L$  equals the distance traveled by the current;  $A$  equals the area of the cross section in the solution through which the current flows;  $Q$  equals the charge of the ions;  $N$  equals the number of ions; and  $U$  is the measure of the mobility of the ions.  $U$  itself depends on interactions between the ions in the water, so that  $R$  becomes a function of the concentration  $C$  of the solution, as well as the kind of solution expressed in terms of interactions. Thus every ionic solution has a concentration with minimal resistance. Vol found from his work that to challenge the meridian with more than a volt and a half was to disrupt this ion potential and to cause ion cascade.

Vol, in development of his equipment, chose to use a machine that would have a potential of one volt, so that it would not disturb the natural ion flow. The Vega test method developed by Shimmel uses four and one half volts to purposely challenge the system as an evoked potential to determine the body's reaction. Nelson, in developing his equipment, developed equipment that would use point one volt, to minimally disturb the natural function of the meridian.

Particles within which charge has been displaced are called *dipoles*. They have polar movements of positive, one size; negative, the other, making paramagnetic substances. Examples are: methanol, water, practically all macro molecules. We now assume that an electrically-neutral isolating medium is occurring. Within this medium, the directions of the dipoles are uniformly distributed, from a statistical point of view. If a direct voltage is now applied to the medium, the dipoles tip over in the direction of the generated electrical field. Furthermore, the field itself induces dipoles.

Both types of dipoles, permanent and induced, transport charge for a small amount of time, namely when they are changing their direction. After this process has been completed, charge transport is no longer possible. The displacement of the charge,  $D$ , is proportional to the electric field,  $E$ ; the formula being:  $D = E \times E$ , where  $E$  is the dielectric strength constant.

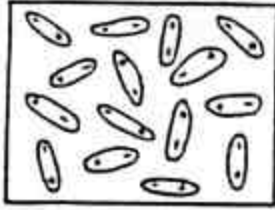
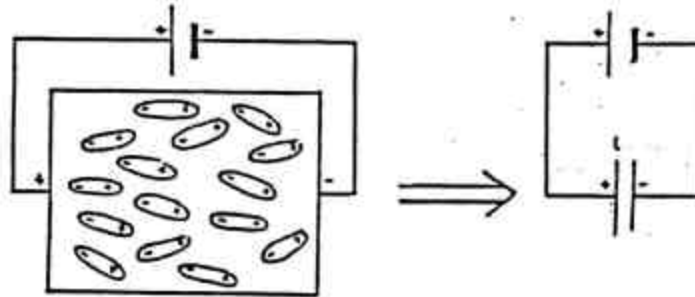


Figure 2



Behaviour of Dipoles

In Fig. 2 the situation of the dipoles is shown as in Fig. 1. In this case we have a capacitor which is interminable to direct voltages. When the voltage is switched off, the capacitor discharges, and the current with the opposite sine becomes measurable. The current, for instance, is used in diagnosis with the SEG machine and the IDG machine.

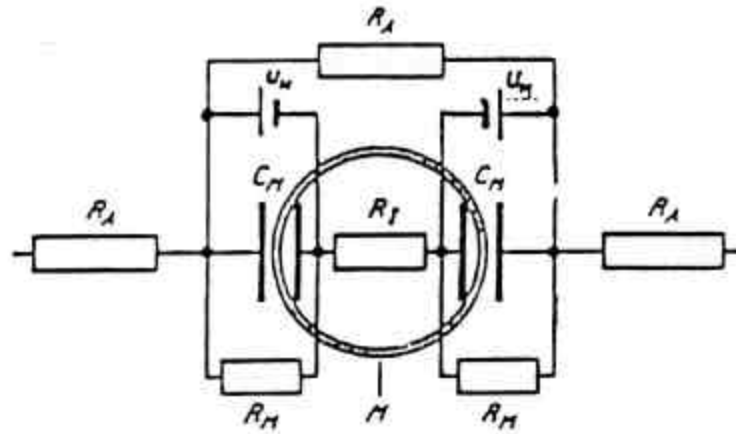
Boundary layers are normally found in the organism as cell membranes or strata of different tissues. Normally, potential differences are found at these boundary layers, which can be traced back to differences in permeability for different types of ions. A well-known example of such an effect is the membrane potential of cells. The potential of differences in boundary layers can be imagined as small batteries whose voltage depends on the strength of the current, which is used for the measurement. This dependence comes from the fact that the more rapidly ions diffuse through boundary layers, the higher the strength of the outer electric field becomes.

Another important boundary layer is formed by the skin and the applied electrodes of an electroacupuncture machine. In addition to potential differences with electro-chemical genesis, as in the above case, electrolysis can be recognized here. The skin and the electrode exchange ions. This causes a change in the biochemical balance. The boundary layers of the cell membrane must maintain an electro potential of forty to ninety millivolts, as does the boundary layer between the nuclear membrane and the rest of the cell. This maintaining of balance across boundary layers, where there is a difference in charge, requires energy to fight the entropic factors that would produce balancing. These are factors such as potassium pumps, sodium pumps, etc., which allow for life by the maintenance of electrical charge across boundaries.

*Ions* and *dipoles* in viscus liquids and jells are both components of tissue. Additional phenomena must be recognized. It is possible, for instance, that a local mobility of ions varies in a significant way. The time that is taken to reach a stable electric situation can sometimes be very considerable. Ionic changes can best be detected with slight volt and amp changes.

In a living system there are also variations of time and space. These variations of the ion concentration and variations of the interaction of ions and dipoles with their surroundings come from regulation processes in the organism. Therefore it is likely that the resistance  $R$  additionally will depend on space and time. But as if all these components are not complete through the dielectric constant,  $E$  will no longer remain constant either, but will also become a function of  $E \times \text{Time}$ , that of the space and time. Furthermore, the regulation generates a polarization voltage which has opposite direction to the one of measurements current. This leads one to the conclusion that an analytic treatment of such a complex system is nearly impossible. It is necessary to revert to simple models. In Fig. 3 we show a simplified diagram of the situation, where a single spherical cell has been assumed.

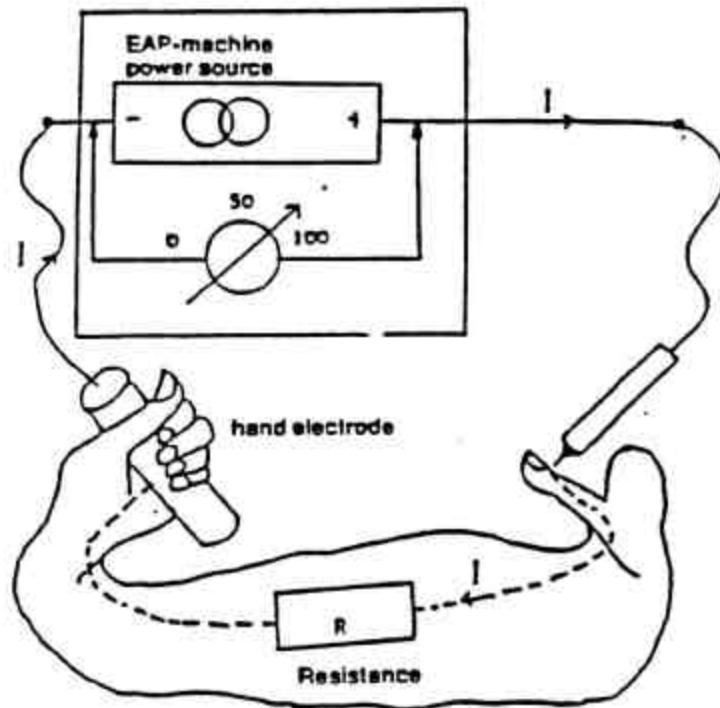
Figure 3



Simplified diagram with a single spherical cell in a homogenous medium  
M = Cellmembrane,  $R_A$  = Resistance of the outer medium,  $R_I$  = Resistance inside the cell,  $R_M$  = Resistance of the membrane,  $C_M$  = Capacity of the membrane,  $U_M$  = Potential of the membrane (after Glaser, R.: Einführung in die Biophysik)

Fig. 4 shows the principle behind the arrangement for measuring the resistance. Inside the EPR machine (ElectroPhysiologicalReactivity) there is a power source which provides a constant current within a broad resistance band. This is done electronically, as in Fig. 4. The body of the patient is used to measure resistance  $R$ . Between input and output of the EPR machine a voltage is measured and then represented in a scale from 0 to 100. Ohm's law shows that in a constant current the voltage is directly proportional to resistance. The EPR device measures voltage changes as brain waves, and amperage changes as static charge pulses. Since most of the acupuncture meridians are on the fingers and toes the wrists were found by Korean researchers to be the best points for electro measurement. So are EPR device will have wrist and ankle straps, these can detect miniscule electro changes.

Figure 5



In practice a lot of difficulties are presented. For example, the reciprocal of resistance must be measured because of the small amount of current. In addition to this, the organism is by no means a resistance, obeying linear laws. This is in part due to the behavior of dipoles and ions in viscous liquids, in the regulation process, in the organism itself, which tends to set a voltage opposite to the outer field. This type of phenomenon has been little understood until now. For purposes of demonstrating this experiment, one reverts to a simplified model shown in Fig. 5. These vessels have relatively low resistance, which is negligible in practice. So principally, the distance between these vessels and the skin surface, the density of the vessels, and the state of the liquids in the outer capillaries are responsible for the electric behavior of the acupuncture point, which is about two to three square millimeters in size, roughly the size of the end of the eraser head of a pencil. The computer can be programmed to compensate for these problems with Fourier analysis. The hand point probe therapists can not measure the changes at fast speeds and can not compensate for the other problems. The EPR device has been shown to be the most accurate system with testing of some criteria at 90%. SEE the International Journal of the Medical Science of Homeopathy issue 4.

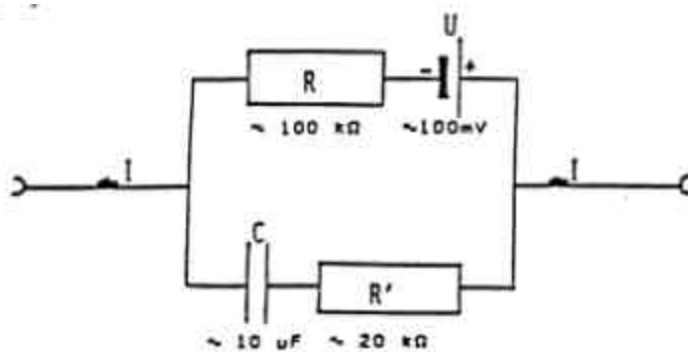


Figure 4

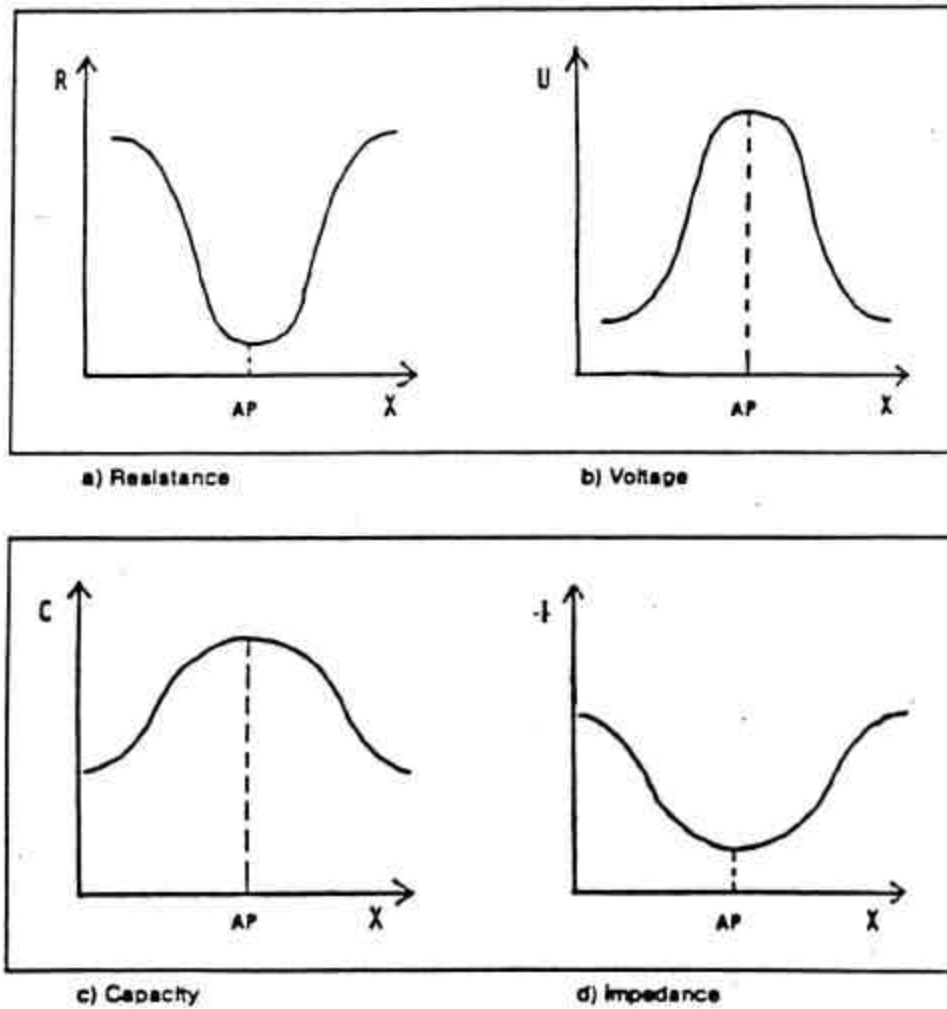


Fig. 6 presents the typical behavior of these different components of an EPR measurement. The measured resistance in the acupuncture point is between ten and one hundred times lower than in the surrounding tissue. However, the voltage of the inner battery is much higher.

Typical skin resistance might be in the neighborhood of 50K, that is, fifty thousand ohms, whereas the typical resistance of an acupuncture point that is healthy is somewhere between 28K and 33K, in order to exclude effects which come from pure polarization measurement with alternating current. This should also take into consideration the part which is due to the capacity, and therefore does not appear in measurements with direct current.

As we have shown in our diagram, showing the behavior, capacity and impedance, it seems to be essential for further research in biophysical behavior and the acupuncture points of resistance, voltage, alternate current, and impedance. Different frequencies and capacities will be determined and controlled as the techniques are developed.

The presence of an electrode of dissimilar metals placed across an electrolyte will cause electrical potential or electromotive force to be developed between these two, which can be used to align different dipoles and produce cascading electron effects.

Two equal charges  $Q$  of opposite sign, separated by a distance  $2A$  constitute an electric dipole. The moment of the electric dipole,  $P$ , has the magnitude  $2AQ$ , and the moment will point from negative charge to positive charge. Here we derive an expression for the electric potential  $V$  at any point of space due to a dipole, provided only that the point is not too close to the dipole.

The electric potential for the dipole gives us the equation  $V = \frac{1}{4\pi\epsilon_0} \frac{P \cos \theta}{R^2}$ .  $P$ , as we said, is the dipole moment,  $R$  is the given radius through which the dipole works. The electric dipole moment of water is  $6.1 \times 10^{-30}$  coulombs x meter.

Many compounds in biology can also have quadrupole moments, such as those involving iodine. The potential volts, as indicated in the formula, can tell us the capacitance potential. By varying the system mathematically, we can calculate that capacitance is  $Q$  divided by  $V$ , where  $V$  is the potential difference and  $Q$  the magnitude of the charge. Capacitance is measured in farads, where one farad equals one coulomb per volt.

Capacitors are used to control fields and energy in living systems; life could not exist without the capacitance factor to reduce voltage fluctuations, transmit pulse signals, generate and detect electromagnetic oscillations, control and calculate the pulsed information of the body.

The capacitance of a capacitor increases if the dielectric is placed between the plates. The ratio of the capacitance with the dielectric to the capacitance without it is called the *dielectric constant* of the material.

The dielectric constant of some key materials are as follows: air, 1.00054; paper, 3.5; porcelain, 6.5; quartz, 3.8; polyethylene, 2.3; polystyrene, 2.6; and water, 78. Hence, the need for the dipole action of water, as it enhances the capacitance effect of the cellular activity in the body. If the dielectric is placed in an electrical field, induced surface charges appear, which tend to weaken the original field within the dielectric. Thus as we increase the charge with our electroacupuncture machine, going beyond a volt, we disrupt the dielectric effect of water, and get unnatural measures in the body's electrical field.

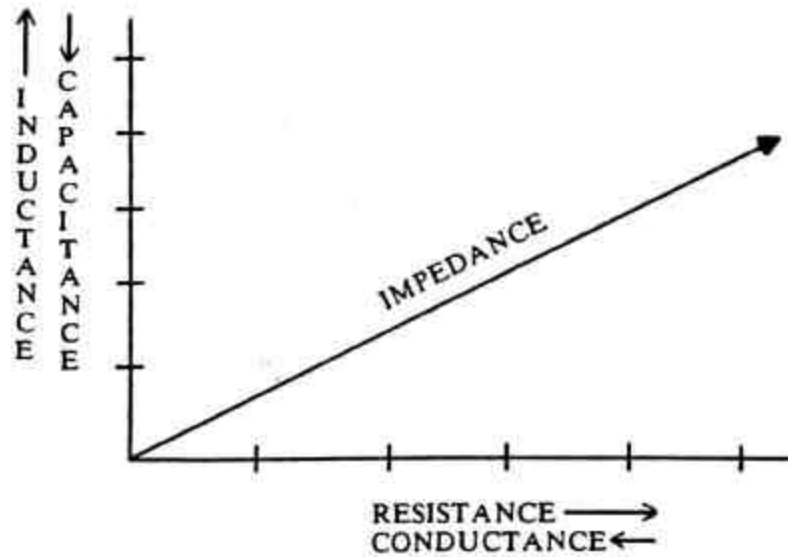
Another key use of water within the system of biology is its refraction capabilities and its ability to focus light. This is very important for the exchange of virtual photons and the interplay of the mitogenic radiation. Thus, water's ability to refract light in mitogenic radiation can be destructed by large energy fields run through the different systems of the body.

The body consists of many free electrons as well as free protons in the cascading principle of the alkaline/acid tide, as the body shifts from alkaline states into acid states. These free electrical charges are free to produce the electro-physical effects done with the electroacupuncture machine. Thus the electromotive force potential of an electrolyte can tell us about the freedom of movement, as well as the oxygenation potential and the hydration index, which can be calculated from these measures.

In biology much is made of the effects of pH, which is actually the inverse law of the proton coefficient. This proton coefficient, or *proton pressure*, can be calculated in the body very easily, electrically, to find out the proton pressure vs. electron pressure of a meridian or neurolymphatic reflex point, or neuromuscular reflex. Thus the voltage potential of the body from two spots has deep insight into the electrical nature of the proton and electron pressure.

The *resonant frequency* of an electrical circuit can be found via the formula: Resonant Frequency =  $\frac{1}{2\pi} \times$  the square root of the inductance x the capacitance of the circuit. Inductance can be calculated from variant resistances known in a circuit comparing the variances. Inductance can add to or detract from an electron effect, and it is part of our circuit in measuring impedance, which is a correlate of inductance, capacitance and resistance. Thus taking the formula of impedance, which is the vector of the right angles of inductance and capacitance vs. resistance, we can go back and solve the inductance of an equation via the changing pattern of resistances in the circuit. Change of voltage in the circuit, knowing the distance factors and the dielectric constants of the probes, can give us factors that will lead to the calculation of other capacitance of a meridian or the overall body system.

Figure 7



So the calculation of inductance and capacitance can lead us to the resonant frequency or the most imposing resonant frequency in the body, which from the work of the Gerlitzes and Dr. James Isaacs, would be intriguingly revealing of different medical conditions.

Oscillatory functions of the body are also important. The Fourier analysis of brain wave and heart rate can lead us to finding different healthy or unhealthy frequency paths through curve fit analysis, showing if there are patterns of obsession, compulsion, addiction, allergy, etc.

Because of the Heisenberg uncertainty principle, the more we know about one factor, the less we know about another. In biology indeterminacy seems to be more of a hallmark, because biology itself seems to be dependent on indeterminacy for its activity inside the cell membrane.

Dr. Isaacs, in his breakthrough book on "Complementarity of Biology", makes the proposition that living processes are shown to be non-thermodynamic and quantic in their interchange of energy. The laws of thermodynamics are the laws governing basically gasses, molecules and inanimate objects. The first law of thermodynamics is that energy is not created or destroyed. The second law of thermodynamics is that heat must pass from a hot body to a cold body. The basic law of entropy is that things will normalize in temperature.

The living process in any cell works against the laws of thermodynamics unless the object dies, and then the temperature of the organism gravitates to room temperature. The very process of life is fighting against the entropic functions of the laws of thermodynamics. In this book, the treatise of quantum interaction in biology is treated more thoroughly. Needless to say, for the purpose of the discussion in this chapter, biology is dependent on other processes, more quantic than thermodynamic.

Chemical philosophy is dependent on a thermodynamic system of analysis, and if Dr. Isaacs's proposition is correct that the body is actually quantic, not thermodynamic, than a whole other philosophical paradigm must be implanted into the study of biology and medicine.

Three factors will come into play in developing a theory for the acupuncture meridian: one, quantic energy exchange; two, the electronic stability of large macro molecules and the atomic structure; and three, the long-range forces effect known in quantum biology.

As we have outlined before, any organ, cell, or organ structure will need a certain amount of energy to perform its actions. This energy has several components, known as life force, which tend to correlate with the electrical force. Yet, it must be dramatically underlined and brought up that life force is not just electricity; electricity might be one of the foremost components, but there are other components to

this life force that are beyond our ability to understand in the scientific theories of today. And with today's technology we have electrical means of analyzing this life force correlate.

Copernicus was branded a heretic when he developed the idea of the cyclic nature of the heavenly bodies, and the idea that the Earth revolved around the sun. Harvey was branded a heretic when he came up with the idea that blood circulated through the body in an endless cycle. Perhaps we now will be branded heretics as we propose the cyclic interchange of energies through the meridian system of the body.

Each organ, cell, and organism must have flowing through it some series of cycles that allow for interchange; the cyclic flow of oxygen and carbon dioxide allowing for oxidation and reduction, the cyclic flow of metabolites and escrementes, which allow the body to intake and expel. There also is an electrical cycle of the body as the cells refurbish their electrical strength to fight against thermodynamics, to maintain order and control within the cells, the organs and the systems.

The Chinese acupuncturists thousands of years ago found this flow of energy to be true; in fact, they palpated, tested and found the channels through which this energy flowed, and it became the meridian system of acupuncture. The circadian rhythms, or daily flow of energy, was found by the acupuncturist to flow through what was called a horary clock, as the different energies flowed through the meridians in surges.

Let us now explore in quantic terms the hypothesis for this cyclic flow.

In quantic theory we sometimes refer to the electronic stability of an atom or molecule. In Fig. 7 we explore the nature of an atom.

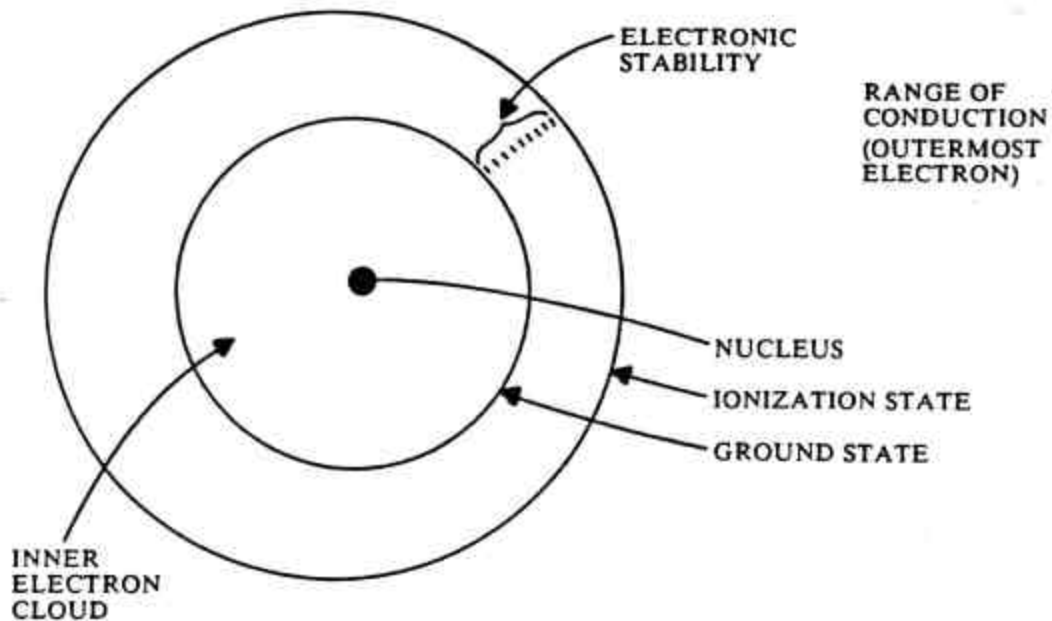


Figure 8

Inside the heart of the atom is the *nucleus*, consisting of *neutrons*, *protons*, and other subatomic particles. Revolving around the nucleus, in what could be termed a cloud, are the *electrons*. In the outermost shell of any atom or molecule there are electrons that are furthest away from the nucleus. These electrons occupy different quantic shell states within their orbital. To provoke changes in the quantic states an impartation of energy is needed. Electromagnetic radiation, be it heat, ultraviolet, etc., can provoke an electron to change its orbital to a higher state. These jumps in higher or lower states are done in *quantic levels*, not in half-steps. A *quanta* of energy is what is taken to allow the electron to go to the next quantic state; hence the name quantum theory. This is a discontinuous indeterminate leap of matter.

The electrons in this last valance state, furthest from the nucleus, have thousands of different shells that they can occupy. The shells furthest from the nucleus within this valance are called the *ionization orbitals*. If any more energy is given to the electron, it will jump away from the atom or the molecule, leaving the atom behind as an ion; hence the term *ionization state*.

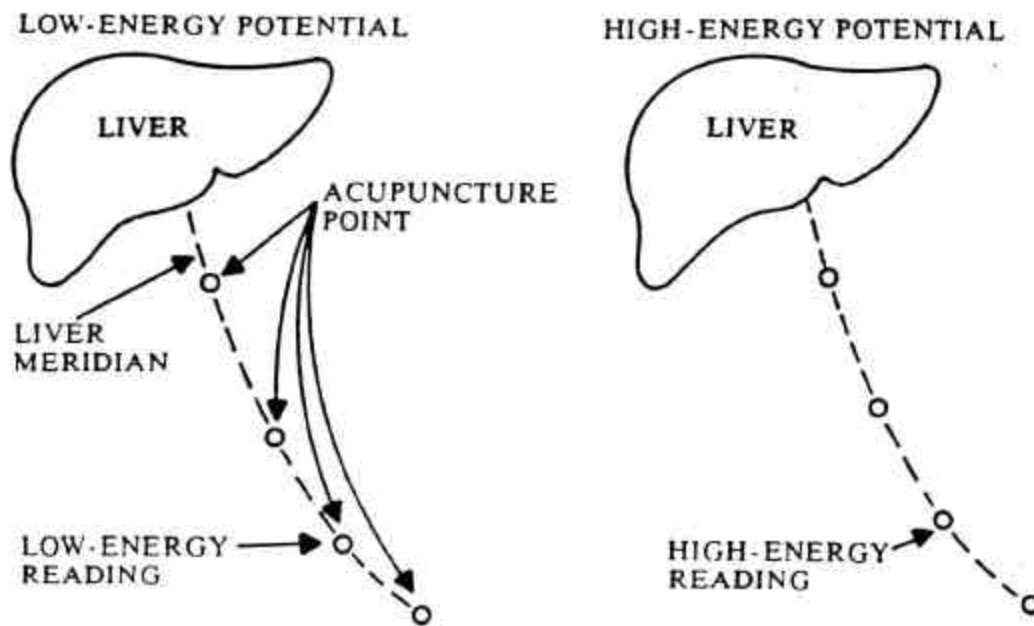
The lowest of this valance level, closest to the nucleus, is called the *ground state*. No more energy can be taken out of the electron. Any attempts to take more energy from the electron orbiting this atom would be futile. This is called the ground state. Between the ground state and the ionization state are thousands of different quantic shells where this outer electron can be.

As we can see, the further out the electron, the closer to the ionization state; the easier the electron can be separated from the atom or molecule, the easier the electron can take place, or part of conduction of energy. The range through which the electron in this outer state exists is called the *electronic stability*, as it ranges from ground state through ionization state. Changes in the valance state of this outer electron are induced largely through photon absorption or radiation.

Cashmere and Polder (1948) and Lifschitz (1956) have proposed that this electronic stability state can be influenced by virtual photons, as well as actual photons. It is the virtual photon that is accountable in the mitogenic radiation factors.

Isaacs accounts for the long-range forces of quantic theory, which can arise from dipole-induced interactions of fluctuating electronic charge in a molecular oscillator, meaning that in a coherent process a molecule or atom in a certain electronic stability range could communicate this range via virtual photons to another atom at a long-range distance, unaccountable by Newtonian physics, and that the long-range forces in this change can take place within a biological system through the virtual photons of mitogenic radiation. Simplified, an energy system such as the liver will share its energy through the liver meridian, which will cause changes in the electronic stability of the molecules through the meridian, especially at the meridian acupuncture points, which allow this liver energy, to palpate through the meridian to complete its cycle to other spots and other organ systems of the body.

The cycle of energy through the body is happening all around the clock at every moment of the day, but there are certain surges that happen on a circadian daily rhythm that account for slight increases in the meridian electrical strength at certain hours of the day. Thus, the long-range forces influencing the electronic stability can be detected by a resistance or conductance meter applied to the acupuncture points. If the organ system has too much energy, as in the case of an inflamed liver, this excess electrical energy could flow down the meridian into the acupuncture points, increasing the electronic stability of the points, allowing for a heightened conductance, and thereby a high reading on the electroacupuncture device. A weakened or degenerate organ system such as a necrotic liver would rob energy from the meridian system beneath. It has low electronic stability at the acupuncture points, an increased resistance, a decreased conductance, and a low reading on the electro-acupuncture device. Thereby the flow of energy through these meridian systems is not via electrons, but via the life force that the electrons try to follow.



One point must be expounded upon here: mitogenic energy, which we discovered from the Gerlitzes, is a coherent energy. It must be directed. The flow of energy through the meridian is directed through the meridian and does not flow equipotentially in all directions. Biology must have the skill to coherently direct this force in just the right way; hence, the field theory of biology.

The field theory of biology, which we will develop in brief form in this treatise, is as follows: the field of biology must have two components: one, a coherent, directed process that allows for the specific interchange of life energy; and two, a unified field theory of the body, as we realize that the body has one field of energy circulating the whole body. So when we encounter another human being, we encounter his total holistic field. Inside his body the energy will flow, and there will be a difference in the flow of energy in the liver meridian from the spleen meridian.

Our second part of the theory, the holistic field, allows for many phenomena within biology. In electroacupuncture it allows for the phenomenon of Vega testing. The Vega practitioner will test one point and filter, challenge that point, and interpret the results throughout the whole body. This is possible because of stage two in the body field theory.

Vol and other practitioners didn't use one point, but went to every meridian for readings of the activity at each and every point. Because the field theory of the body is coherent and incoherent, Vega testers can achieve the vast majority of information that they need; however, they will meet certain levels of performance at about eighty-five percent that will limit their ability to know all the factors of the body. Most Vega practitioners will get the information they need. It involves a time factor; requiring less time for the Vega test. But the intervention of therapist subtle muscle control prevents this point testing from being widely acceptable.

Over the last forty years since the advent of electroacupuncture, there have been close to a hundred thousand practitioners of electroacupuncture to varying degrees, each of which have found some degree of accuracy in the process. This practitioner, having done thousands of patients himself, has found unerring accuracy in correlating the different bodily conditions patients present with the readings on the electroacupuncture machine.

Many educational institutions have attempted to investigate electroacupuncture without attaining good practiced electroacupuncturists. They have taken medical staff, and with less than one day of instruction, had them testing different points. This would be like testing the effectiveness of a helicopter by judging the ability of someone who had never flown a helicopter before. The conclusions would be quick and simple: helicopters don't work. In fact, they are a risk. Many studies have been performed at the

University of Hawaii which have found electroacupuncture to be effective as a diagnostic tool, using qualified electroacupuncturists as the criteria.

Acupuncture is listed by the World Health Organization (WHO) as effective therapy in over three hundred different diseases. Electroacupuncture is simply the process of letting the qualified acupuncturists measure the electrical phenomena on the meridians.

The analogy of electricity to water has been used for centuries in the description to the uninitiated on how electricity behaves. Ohm developed the law that Volts = Amps x Resistance, known as Ohm's law. As we have seen, the electronic stability of an acupuncture point is measured by the resistance. But the voltage and amperage potential are also very important. There is electron force and movement through the body, but it is erroneous to think of these meridians as actual wires or circuits. At the different points of the body the knowledge of voltage, amperage and resistance offers more to the skilled practitioner than just resistance measures alone.

In water, as in electricity, the amount of flow, or the molecules of flow, is known as the *current*, or the amount of electrons or ions passing a certain point. The pressure behind this flow is known as the voltage. The resistance to the flow is known as *resistance*. Measuring the electronic stability of an acupuncture point can tell us the resistance, just as one might have a spicket on a pipe, and whether the spicket is open or closed or to what degree in the middle, that would be the resistance. The actual flow would be the current or amperage, and the pressure behind the flow would be the voltage.

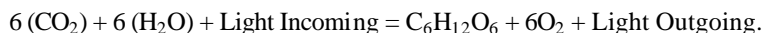
When this practitioner first developed the art of measuring acupuncture point voltage and amperage, as well as resistance, we found several correlates over the thousands of patients seen. Amperage correlates very strongly to life force. We have watched people dying of various diseases, and as their life force weakened, the amperage dropped significantly. Vol found that sometimes toward the end his resistance readings would normalize in patients who were losing life force. We have observed the same phenomenon of resistance, because the amperage drops so much, the body is forced to try to stabilize resistance, and surge voltage. This amperage or life force component also has a correlate in the indolamines. The indolamines, such as serotonin dopamine, melatonin, etc., help to supply the amperage or life force in the body. Patients with weak amperage can be brought back to normal with indolamine phenolics. Voltage components correlate to pressure and willpower. Patients losing willpower in a meridian can start to have low voltage readings. The voltage correlates to catecholamines. Catecholamines, such as adrenaline, norepinephrine, thyroxin, etc., control the voltage of the body, with the pressure behind the electrical motive force. Patients with too high or too low voltage can be stabilized by proper catecholamine phenolics.

Volts times amps is power, measured in watts. The actual power of the body can be correlated from the volts times the amps. This has correlates in oxygenation, in hydration, in mineral balance, which tells us about the electrolytic strength of the body in its mineral and ion bath.

The factor in our energetic medicine is temperature. As the mitogenic radiation occurs in the infrared area, changes in temperature throughout the body are also insightful. So development of machinery that could do voltage, amperage, temperature, resistance, and oscillation all were extremely important in the development of an energetic medicine.

To this end I greet you, and entreat you to challenge the tenets of biology, and to look into the factors of energetic medicine and energetic biology. It is the purpose of this article to offer a quantic scientific basis for the possibility of electroacupuncture diagnosis. If there are any questions, please relay them to this practitioner, so that this discussion might continue.

The master equation for life is:



This master equation of life accounts for the process of photosynthesis in the utilization of carbon dioxide and water by plants in the presence of light to develop the carbohydrate fuels and produce oxygen. Light is integral as an incoming process by the plants to utilize the photon energy of light to stimulate the photosynthesis process. As Dr. Isaacs has pointed out, the entire electron transport chain in plants or animals is a photodynamic process.

The animal process is one of taking in the carbohydrate structures, taking in oxygen, producing light as a byproduct, and producing carbon dioxide and water as the chemical byproducts. The electrodynamic process of life depends on the photodynamics of the light from the sun, as well as the light, the mitogenic radiation, within the cells of the body.

The energy of an oscillator, or photon, is given by:

$$E = (N + 1/2) h \times V,$$

where E is the energy, N is the quantum number, h is Planck's Constant, which is  $6.625 \times 10^{-34}$  joule seconds, and V is the oscillator frequency. Thus in the realm of mitogenic radiation, as we discussed in Chapter 8, we can see that the maximum energy in the range of the mitogenic radiation at  $10^{15}$  hertz of that photon, to exchange one quantum leap, would be approximately  $9 \times 10^{-19}$  joules. This energy can be accounted for in the mitochondria of the cells from the conversion process of the eighteen hot electrons of glucose through the krebs cycle.

In 1965 the Nobel Prize for Physics was awarded to three theorists: Tomonaga, Schwinger and Feynman. The prize was given for the creation of the modern theory of quantum electrodynamics.

Quantum electrodynamics is a relativistic theory of quantum mechanics concerned with electromagnetic interactions. The Feynman propagator approach describes the scattering of electrons and photons in terms of an integral that sums up contributions to the interactions from all possible ways in which the particle can interact by the exchange which we call *virtual photons* and *electron positron pairs*.

The existence of these virtual photons is made possible by the Heisenberg uncertainty principle's allowance for brief violations of the law of conservation of mass and energy, during which, for short periods of time, particles may be created that would otherwise be forbidden.

Quantum electrodynamics combines the electromagnetic field with the particle manifestation of electromagnetic waves. We quote Feynman, "Since photons are also electromagnetic waves, and since these waves are vibrating fields, the photons must be manifestations of electromagnetic fields. Hence, the concept of a quantum field, that is, of a field that takes the form of quanta or particles. This is indeed an entirely new concept which has been extended to describe all subatomic particles and their interactions, each type of particle corresponding to a different field. In these quantum field theories the classical contrast between the solid particle and the space surrounding them is completely overcome. The quantum field is seen as a fundamental, physical entity, a continuous medium which is present everywhere in space. Particles are merely local condensations of the field, concentrations of energy which come and go, thereby losing their individual character and dissolving into their underlying field."

We quote Werner Heisenberg: "When new groups of phenomena compel changes in the patterns of thought, even the most eminent of physicists find immense difficulties. For the demand for change in the thought pattern may engender the feeling that the ground is to be pulled out from under one's feet. Once one has experienced the desperation with which clever and conciliatory men of science react to the demand for change in the thought pattern, one can only be amazed that such revolutions in science have actually been possible at all."

For now, we must challenge the very tenets of medicine with a brand new phenomenon that demands attention and research. This is the phenomenon of medication testing. Over the last thirty years a strange phenomenon of medication testing, of homeopathics, vitamins, glandulars, and other natural substances, has swept the world, so that millions have experienced, and thousands practice, a form of medication testing. There is a phenomenon that can be detected through various means, that the body shows reaction to different medications, such as homeopathics, vitamins, minerals, etc. This reaction can show whether the patient needs or rejects these items.

Muscle testers can test muscles of the body for their strength and degree of stability. Certain medications can provoke strengthening of a weak muscle and weakening of a strong muscle in the science of kinesiology. There are thousands of kinesiologists practicing around the world who depend on this phenomenon for livelihood. They use such techniques as therapy localization, medication testing and the like to treat patients who have strong or weak muscles. In fact, some of the simple techniques of muscle testing are taught to patients so that they can test themselves in response to their needs of different nutrition and foods on a daily level.

Electroacupunctureists use electrical devices to measure the resistance at different points and the body's reaction, as this resistance changes, on different acupuncture points in response to different medications brought into the patient energy field.

The sheer number of people experiencing and practicing this phenomenon demands the research and scientific community to investigate more thoroughly this procedure. If this procedure is correct, the very tenets of medicine can be challenged, as the body is capable of making response to different items. One of the problems of this technology is that rarely do synthetic compounds identify as good for the body;

the body has a tendency to accept natural healing modalities, which offer the full energetic picture, rather than the synthetic ones, which make much more profit for the chemical cartel.

To scientifically investigate this phenomenon this experimenter did the following study.

Ten qualified and practicing muscle testers were chosen to muscle test ten individual patients. Once these muscle testers had found a successful homeopathic item that would work on a specific muscle for the patient, this experimenter would take that homeopathic, put it into a bottle, mix it up with nine other bottles of water and alcohol placebos, have a third party number the bottles (so that it would be a double-blind study), and neither the muscle testers nor I would know which bottle was actually the correct substance. The muscle testers were then told to test the muscles of the patient as they had done before, and to try to find out which of the ten bottles was the actual substance. Then they were given their choice of the ten bottles to make as to their first or second choice. Six of the practitioners were correct on the first choice, and two of the practitioners were correct on the second choice.

Another study was done where three trained muscle testers, were given fifteen bottles of differing compounds; ten of which were placebo and five of which were combination homeopathics for different common ailments. These practitioners were skilled in using these compounds, so they were familiar with their activity. The three practitioners muscle-tested these items to try to guess which of the items were the homeopathics, which were the placebos, and which of the homeopathics had specific action. In this study the three trained muscle testers produced sixty-five percent results, which is similar to the statistics the muscle testers achieved in the first study.

Considering that chance in the first study was about fifteen percent, and chance in the second study even lower, we can see that muscle testing has a reality that must be dealt with. I can heartily suggest that anybody in the scientific or intellectual community reading this article would be intrigued at the prospect of muscle testing, if they could see a proficient, experienced muscle tester perform.

Two more studies were done to duplicate this phenomenon using electroacupuncturists. Ten moderately trained electroacupuncturists were chosen to work with a specific patient, find a homeopathic that worked, and then, as in the procedure with the muscle testers, given nine other placebos in a double-blind technique, and asked to choose out which one was the valid mixture. Eight of the electroacupuncturists were able to find the right mixture on the first try. When three trained electroacupuncturists were given the fifteen bottles and asked to find which one was which, they made eighty-five percent correct choices in the test. Electroacupuncture does not involve muscle testing; the patient sits back and has little intervention. The qualified technician then measures the electrical resistance activity at different points to calculate the reaction. Thus as we can see, electroacupuncture seems to be a better performance tool, although it does require an investment in machinery and some training.

The possibilities for explanation of this phenomenon are: one, the existence of some psychic ability not yet known to science; two, the fact of mitogenic virtual photons, produced by the cells themselves, to be able to produce a cascading change in long-range forces, which produce changes in the electronic stability, and thus, the resistance of acupuncture points, as well as changing the electronic stability in different acupuncture points could promote strengthening of weak muscles or weakening of strong. Also, there could be an electromagnetic change by the fields of such products, which provoke a change in the field of the human test subject. Another possibility might be the existence of a polymorphic magnetic field and its fit or non-fit with the magnetic field of the patient. Many other possible explanations, including other-dimensional subspace activity, could account for this phenomenon.

Let us account some of the rules and regulations that have been found by medication testers in their operation, and how they might contribute to a philosophical understanding. Medication testers, be the test muscle or machinery electroacupuncture, have found the following criteria to affect their testing.

Too many synthetic drugs, especially cortisone-type derivatives, interrupt the test. The existence of strong electromagnetic fields such as fluorescent lighting, etc., within three to five feet of the patient, disturb the results. States of extreme emotional disarray disturb the results. Poor alignment of the spine produces poor results. Excess electromagnetic radiation from x-ray, heat, etc. can produce unstable readings. From this observation we can see that all of these things destroy the mitogenic radiation or the photon transferability of the human body, leading us to the idea that the virtual photon effect is the most likely explanation for this phenomenon.

## **SUMMARY**

- 1. Acupuncture is a real medical system in wide use today, Electroacupuncture is as well**
- 2. Electrophysiological reactivity is a real and widely used system of medical diagnosis.**
- 3. Resistance alone is a weak form of measurement.**
- 4. Ionic changes dictate volt and amp (Voltammetry) as the best way to measure energetic medicine.**
- 5. Since the ionic reaction occurs at one hundredths of a sec only a computer could process such data. The old style resistance devices with hand point probes are prone to therapist control.**
- 6. ElectroPhysiological Reactivity is the energetic medicine of the future.**