

DUAL PROPERTIES OF ELECTROMAGNETIC LIGHT: THE CURVILINEAR (OCTAGONAL) AND RECTILINEAR IN THE COSMOS, EARTH AND APPLICATIONS FOR MEDICINE AND DISEASE

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ABSTRACT: Octagonal and rectilinear reciprocal coupling in space creating non-zero mass and spin-1 according to Lorentz's interpretation, creates a template for earth's cavity and transverse lightening shock waves according to Tesla from an extrapolation of non-zero space. The consequences of non-zero-positive mass are explored. Obolensky from this inspiration created a miniature Tesla Magnifying Transmission which organizes water, creates emanations of acupuncture points, and improves disease conditions. Bose-Einstein condensation parallels of inorganic Helium at low temperatures and organic human global physiological measurements of Zen Master meditators show properties of Oneness. European science does not have a philosophical history of curvilinear and rectilinear understanding of the human mind/body consciousness to the aether field, internal organs and energy flow within the body. Turning to the Natural philosophy of the Orient provides a way that the fragmented physiological and mental habits can be changed to a more unconditioned or phase change natural state through Qigong curvilinear and transverse breathing practices both inside the organism and interacting with the outside to gain energy and overcome disease.

KEYWORDS: Adiabatic; Aether; Blood pressure; Cold coulombic; Cranium; Disease; Down; Entropy; Gaussian fields; Gravity; Hot; Inertia; Lorentz; Movement; Ontological; Orbit; Organs; Negative entropy; Pain; Phase-conjugate; Reciprocally coupled; Soliton; Spin; Superluminal velocity; Tesla; Transverse; Up; Velocity; Weight

This theoretical model postulated by Obolensky and Vigier,¹ resulting from

¹ Obolensky and Vigier died before this work was published and this author worked on the theoretical part with them; this is an elaboration and extension of what we began with implication for self healing.

Lorentz's views is to consider light, i.e., Maxwellian fields, as made up of real, spinning extended photons with spin -1 and non-zero mass linked to real elements in a carrying continuous flat three-dimensional real infinite aether field.^{i ii iii} This moving aether thus contains (carries) a chaotic distribution of field-piloted extended solitons and wave elements, i.e., piloted solitons² which can be describe by collective Maxwellian equations, locally invariant under SU(2) for vortices' filling this flat unlimited, three dimensional space. In Lorentz's model, observers, and measuring devices are both made up of aether elements.^{iv v vi vii}

The key idea is that the aether has density from the intersection of transverse and longitudinal fields or coulombic and gaussian field intersecting.^{viii} This density can also be evaluated by the heaviness of rotating bodies the resistance offered to their rotation. The acceleration of gravity at the surface of a rotating body at its equator can be calculated from known values of the gravitational force F and equatorial radius R_e by

$$G=F/\Pi R_e^2$$

its velocity at the equator if not retarded by the weight would be

$$Vg=\sqrt{(gR_e)}$$

A measurement of the sidereal period given the actual velocity at the equator V_e . The equator's acceleration a_e can then be calculated by the expression V_e^2/R . The ratio g/a_e is a measurement of the rotating body's heaviness.

If we assume that inertia is the tendency of an object to maintain its state of uniform motion, then inertia can be described as a resistance to change of motion of a given body, so it is proportional to the body's local weight W. Thus

$W=ma$ (a has superscript of \cdot for inertia) This formula is confirmed by experiment shown in Appendix I. Heat and movement create change of inertia and weight.

² Soliton: Phase conjugate energy density, reciprocally orthogonal spin coupled rectilinear vibration of transverse Hertzian waves, double density 120 Pi (377 ohm) space impedance, the variable KdV energy density Solitary Wave equation determinates of space impedance.

Accepting Lorentz's point of view, one assumes that Maxwell's waves describe nonzero-mass, spin-1, extended vortices moving in a Dirac-type continuous vacuum. They can individually be described by (1) a center of mass carrying an internal spin with $E = hv = mc^2$ (2) two centers of electromagnetic charge at the two extremes of a diameter perpendicular to the photon's spin where these two localized associated charges, e^- and e^+ rotate on themselves with an angular momentum $h/2$.

Carey argues; a detailed analysis of the transverse Doppler shift of the spectral results of the stellar object S.S. 433 in terms of the Lorentz model shows that it predicts that its stellar spectra and pulsar rates will have a second-order Doppler cycle with a period of one year and an amplitude of approximately 2 part in 10,000. The source S.S. 433 is some 12,000 light years distant and is emitting jets at 26% of the velocity of light as discovered by Margon.^{ix} The orientation of its jets goes through a cycle so that every 164 days the jets are traveling exactly at right angles to the line of sight. At these times the jets show a transverse Doppler shift corresponding to that expected of the Lorentz theory for a velocity of $0.26c$, since the vector of Earth's net velocity with respect to the 2.7 K microwave background lies in the same plane as its orbit around the sun, this implies that the Earth's net velocity oscillates by ± 30 km per second with an annual cycle. Lorentz's Relativity Model thus also predicts that after correction for the usual first-order Doppler effects (red), second-order Doppler effects (blue) will show an effect having an amplitude of about two parts in 10,000 and a period of one year.

THE CONSEQUENCES OF NON-ZERO-POSITIVE MASS

If the mass is small enough, it implies a practical (FAPP) separation of the transverse (with spin $J_3 = \pm 1$) from the longitudinal ($J_3 = 0$) Maxwellian waves. The former ($J_3 = \pm 1$) are transverse waves moving with velocity $< c$, the latter corresponding to a static, Coulombic-type field $\exp(-\mu R_\mu)/R_\mu$, R_μ denoting the distance to the central point in a rest frame of the center of charge X_μ .

a) The pilot fields surround particle-like photons in such a way that their internal orbital motion beat in has around the axis defined by their charge

orbital momenta.

b) in their rest frames (centered on X_μ) longitudinal photons are static (i.e., $\Delta X_\mu = \gamma^2 X_\mu$) and their charge distribution is flattened along X_μ in any other Lorentz frame according to the laws of Special Relativity Theory.

c) Photons are present only with transverse electromagnetic waves, and their energy-momentum is carried by photons and by waves.

d) This also implies that a moving, limited source containing electrons: 1) Is surrounded by a real, physical, limited Coulombic-type field that corresponds to a superposition of all the Coulombic transverse electronic fields with $J_3=0$ in their rest frames. The field (a) contains no photons and has limited extension around the source 2) Will emit longitudinal waves ($J_3=0$) from their accelerated motions.

Extended electrons (or positrons) are also contained in the Dirac-type aether. They are made up of localized, extended sub-elements defined by a center of mass Y_μ (with $E=mv=mc^2$) and a different center of charge Y_μ around which an electronic charge distribution rotates. This center spirals around Y_μ at a Compton distance, with a velocity $\cong c$. The electromagnetic charge rotates on itself with an angular momentum $h/2$.

In this model, electrons are extended bilocal structures (made up of a hole and a bump in Dirac's aether), which contain different angular momentum around Y_μ and X_μ , the latter surrounded by rotating charge and mass distributions.

Localized photons and electrons elements are embedded in an aether, which moves in flat-space. The aether satisfies locally the laws of Special Relativity (with measurement instruments included) but their accelerated elements' motions do not satisfy the laws of General Relativity and change their shape in accelerated motions (detected by real local, aether-built elements) in the flat space in which they move.

LONGITUDINAL AND TRANSVERSE: CURVATURE EARTH AND TRANSVERSE LIGHTENING, TESLA'S EXTRAPOLATION OF NON-ZERO SPACE

Tesla, in the early 1900's was the first to have determined that the earth/ionosphere wave cavity was stimulated by atmospheric electricity. He believed this resonance was the key to aerial transmission of electrical power. Years later, the resonant properties of our terrestrial wave cavity are generally credited to German physicist W.O. Schuman and Konig in 1954. The first spectral representation of this phenomenon was prepared by Balser and Wagner in 1960.

There is a "cavity" defined by the surface of the Earth and inner edge of ionosphere 55 kilometers up. At any moment, the total charge residing in this cavity is 500,000 Coulombs. There is a vertical current flow between the ground and the ionosphere of $1 - 3 \times 10^{-12}$ Amperes per square meter. The speed of light is 186,000 miles per second and the circumference of the Earth is ~24,000 miles. That means that an electrical impulse from a lightning strike will travel around the Earth approximately ~8 times per second ($186,000/24 = 7.75$).

There are about 1000 lightning storms at any given moment worldwide. Each produces 0.5 to 1 Ampere and they collectively keep the Earth's electromagnetic cavity circulation active. These so-called Schuman Resonance are quasi standing electromagnetic waves, like waves on a spring that have to be 'excited' to be observed. They are not caused by anything internal to the Earth, its crust or its core. They naturally occur at specific frequencies between 6 and 50 cycles per second: specifically, 7.8, 14, 20, 26, 33, 39, and 45 Hertz, with a periodic variation of about 0.5 Hertz.

This daily variation appears to be a function of the height of the ionosphere and solar activity. So long as the properties of Earth's electromagnetic cavity remain the same, these frequencies remain the same. Presumably there is also variation due to the 11-year solar activity cycle.



Figure 1. Lightning Bolt

Tesla build in Wardencliffe station a World System of Wireless Transmission of Energy with Coulombic-field electrodes 285' high and 85' elliptical geometry reportedly supported 25Mv scaler transitions. An oversimplified idea of Tesla was to create an energy which skips on density matrix in the cavity of the earth with more energy emerging than was putt in. For further investigation of the superluminal Coulombic field's dynamic permittivity see <http://www.energyscience.co.Le27/notes.3> Html and R. Antanasijevic et al^x This project was killed by J.P. Morgan, since it is difficult to charge with no meters or as he said, "I'm not going to kill my milk cow." He got his power plants every two miles and meter gauges. This discredited Tesla and bankrupted him and he died broke and disgraced. The last century of required "fatal" entropy teaching ignored Tesla's fundamental more efficient adiabatic energy transmission to perpetuate the existing 50% maximum-energy-transfer" technology. By requiring equilibrium thermodynamics and its "fatal" second law, this obsolete technology exacerbates global warming. Ilya

³ In the Berlin Lecture it was suggested that a capacitor, particularly one of concentric cylinder electrode construction, might deliver an output, when discharging, an amount of energy that could be much as double that supplied as input when charging. This might seem to pose a problem with regard to the conventional mathematical analysis of capacitor properties, bearing in mind that we assume that the charge input Q is equal to the capacitance C multiplied by voltage V ...In short , it had be effective permittivity of the dielectric properties of the capacitor that changes to deliver the extra energy as output.

Prigogine won his Nobel Prize by proving that far-from-equilibrium thermodynamics and adiabatic engineering can effectively circumvent the second-law-required entropy-gain that excuses the short-term economic benefit by wontedly dissipating more than 50% of our fuel's total energy into the global environment as heat waste

Upon Tesla's death, the US Government seized his papers on his Magnifying Transmitter which made adiabatic energy-transmission possible. After Tesla understood the financial barriers to wireless electric power, he prepared but did not submit a definitive patent application. Obolensky went to Belgrade and found among the voluminous archives of at the Nikola Tesla Museum Belgrade the following Figure 2.

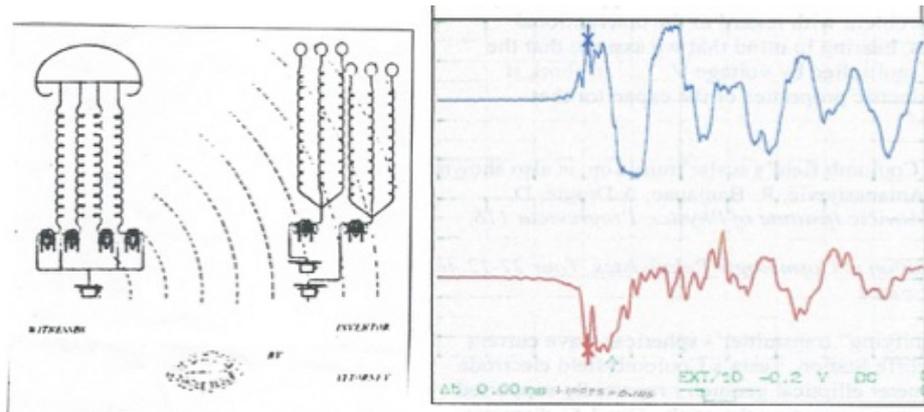


Figure 2. Tesla converges the harmonic energy from four independent series resonant circuits that bunch and accelerate electrons to an elevated elliptical-electrode dome. The achieved excess entropy production serves by structuring the non-linear ambient-medium's impedance to negate entropy in wireless transmission of electricity.

Figure 3. Above to the right, and below demonstrates superluminal propagation of the Coulombic field from Obolensky's Miniature Magnifying Transmission. of superluminal energy propagation shown in the Coulombic currents detected by identical antenna systems. The effect antenna's 4.25' distance from the dome (lower trace) should produce a 4.25 ns light speed delay. However, the observed coincidence of the dome's causal earth-current indicates a superluminal velocity. A spike of superluminal velocity and then after lesser rates. Variations in the speed of light. This confirms what Tesla wrote. Appendix 2 is another measurement that the author and Obolensky conducted in 2004 with slightly different oscilloscope setting.

OBOLENSKY'S EXPERIMENTAL MINIATURE TESLA MAGNIFYING TRANSMISSION INSTRUMENT.

This inspired a small scale superluminal Coulombic field experiment by Obolensky based upon Figure 2. In Tesla's application to facilitate phase-conjugate energy resonance and wireless transmission of energy, he wrote the following.

“The wave starts with theoretically infinite speed, slowing down first very quickly and afterwards at a lesser rate...Only force is conveyed to all points of the earth, the energy itself traveling in definite paths determined beforehand, reaches the receiver without the lightest dispersion, so that an incomparably great amount is collected than is possible by radiation.”

Also, Tesla's patent application's spherical wave phenomenology clearly parallels that envisioned by Louis de Broglie's in his double solution theory.

“The only way to understand what is going on seems to be to admit that the spherical wave emitted at the start does not remain spherical indefinitely. We can then say that the wave only has to remain spherical for a short time in order to be able to explain the success of the Schrodinger experiment”^{xi} I

This miniature Tesla magnifying Transmitter is within 320 cubic-foot (8'x 8' x5') magnifying transmitter's hermetic enclosure, at a temperature of 90° F and relative humidity of 85%, an apparent immediate temperature drop exceeding 9° F occurs upon impulse modulating the elliptical dome's Coulombic Field. Obolensky used a Guilemin a-parameter, MathCAD, program which facilitated his design for the parabolic rise and fall, impulse modular needed to excite his 18' diameter elliptical-dome electrode. This earth/air capacitor-electrode is held 5' above its ground plain by the Diala-oil filler cylinder that contains and insulates the impulse modulator components.⁴

⁴ Obolensky's original magnifying transmission instrument stopped working after many years and died before a replica could be reproduced. Joe Maize and John Eschmeyer who worked closely with Obolensky for almost ten years have redesigned the instrument. Eschmeyer also redesigned the enclosure.

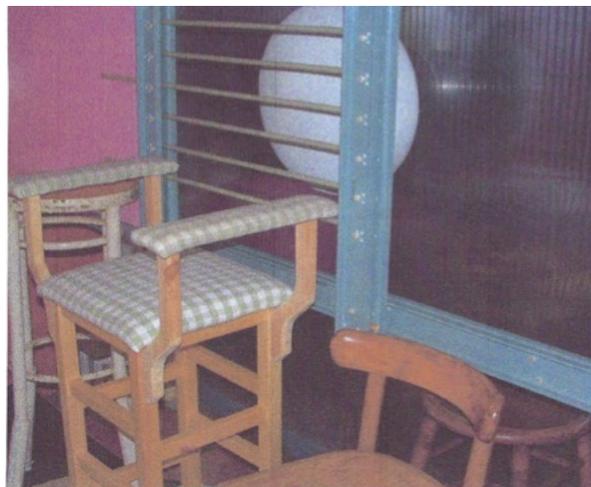


Figure 4. Obolensky's miniature Tesla Magnifying Transmission Instrument treatment room. Electro-magnetic shock waves in a controlled non-linear environment creates a phase-conjugate (time-reversal) replica, resonating with the human electro-magnetic field (our aura). It's use for the body's mitogenic entropy reduction has implications for medicine and science.

In 1949, Obolensky worked for Dr. R.P. Shaw who was investigating toroidal-spin shock waves under the US Navy and Air Force "Project Squid" program. Shaw stated, while investigating macro-luminal shock waves, "If you create the right kind of magnetic field, you can punch a hole in the fabric of time." In Obolensky's miniature Tesla magnifying instrument, high voltage with spin-velocity exceeding Mach 5, the triple-converging shockwaves of a toroidal-spin soliton spins into a linear gas tube and then into a non-linear dome. This phase-conjugating virtual "mirror" reverses the entropy flow of energy structures entering the central Mach disk.

The warp and weft of this fabric is the accepted, thermodynamic equilibrium, entropy. Here, the time arrow points to increasing entropy and dispersion. However, the far from thermodynamic-equilibrium Mach disk can reverse the direction of entropy flow so normal entropy and dispersion cancel.^{xii}

"Experiments confirm the existence of mutual interaction between material systems by means fo time. This interaction does not transfer the momentum, in other words it does not propagate but

appears immediately in the other material system. In this way a immediate communication and information transmission appear to be possible.”^{xiii}

Evolved life utilizes immediate communication and information transmission. However, accepted science rejects this immediate action at a distance contention because conventional thinking prefers the Abelian mathematics of the standard, Maxwellian, $U(1)$ Gauge symmetry. This symmetry convention facilitated commercialization of light-speed limited, Transverse-Electro-Magnetic (TEM) Hertz-wave technology. The $SU(2)$ and higher dimension groups needed to support Longitudinal-Electro-Magnetic (LEM), Telsa-waves, all require complex non-Abelian mathematics.

The magnifying transmitter effect can be explained by the far from thermodynamic-equilibrium macro-luminal Mach disk. This effect was not realized until Prigogine won his Nobel Prize by proving that far from equilibrium thermodynamic process circumvent the second law of thermodynamic. In other words, as perfect information is normally lost over time all imperfect systems increase in entropy until they die. In this sense, disease is the immune systems inability to minimize entropy gain far from thermodynamic equilibrium.

THE MAGNIFYING TRANSMITTER ORGANIZES WATER, CREATES EMANATIONS OF ACUPUNCTURE POINTS, AND IMPROVES DISEASE CONDITIONS

The negative-ion wind produced by Obolensky’s magnifying transmitter is created by a train of LEM solitons that negate otherwise entropic heat produced by the steam jets that keep the elliptic terminal wet. The ability of structured negative-ion wind to organize atmospheric water plays a significant role in the body’s physical health. The average person loses between one-eight and three quarters pounds of toxic sweat, while well hydrated persons have a lost 2 lbs. during a single treatment. Most remarkable several very dehydrated individuals have gained 2 pounds.

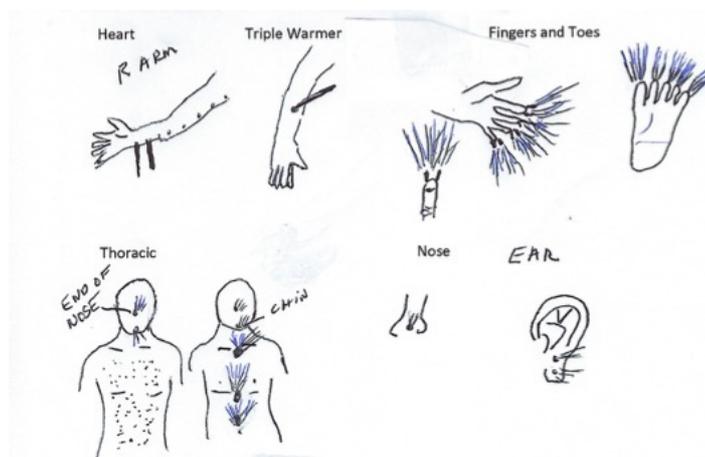


Figure 5. This Shinnick diagram was sketched inside the Negative Ion generator room reflecting the Traditional Chinese Medicine meridians and points of the Heart, Triple Warmer, Ren(thoracic), Ear and Nose points. Note the second thoracic picture appears to be the Yoga chakras 5

Open circuits create illumination of acupuncture points and variation of beaming violet light. In complete darkness this equilibrium interaction can be seen activating the various acupuncture points on the surface of the skin. Individuals in contact with the instrument emanate white light from their fingers and toes and master acupuncture points throughout the body show approximate patterns, for example, the triple heater (posterior aspect of the forearm) or heart pathway points on the elbow and ulnar aspects of the arm. See Figure 5. On the torso variations show up, in one case small points all over the torso and in another patient approximate to the Indian's yoga chakras. Beams of healing light play to and fro, directed entirely by the body's electromagnetic interaction with nanosecond-period Tesla-waves and the negative-ion wind they produce. Injuries, bone spurs, cancer tumors, diseased organs need no instruction from the instrument, positive ions in the body are bombarded with negative ions in a beam of variations of violet. (Szent-Gyorgyi 1988)

“Molecules do not have to touch each other to interact. Energy can flow through the electromagnetic field...The electromagnetic field, along with water, forms the

matrix of life. Water can form structures that transmit energy.”

Improvements were recorded for tendonitis, ligaments, superficial cuts, bone spurs, edema, osteoarthritis, sinusitis, migraine headaches, and various cancer. Shinnick, Obolensky, Haddad and Maize published clinical results from his miniature Tesla Magnifying Transmitter, as well as a discussion of electro medical research on bone spurs, and, tumors.^{xiv xv xvi} Subject treatment for one organ, as for example, the skin or heart, saw immediate relief, but not lasting. Subsequent clinical examination found other organ problems such as the stomach or colon which affected the other disease organ area. This organ interaction and imbalance will be discussed later but is a significant understanding.

BOSE-EINSTEIN CONDENSATION OF INORGANIC AND ORGANIC (HUMAN GLOBAL PHYSIOLOGICAL MEASUREMENTS)

Fröhlich showed that when energy is supplied to such a system, either from metabolism or from external sources above a critical rate, it is automatically channeled into the lower frequency mode, thereby resulting in coherent excitation of the vibratory components (a phenomenon known as Bose-Einstein condensation). Fröhlich predicted, on the basis of quantum mechanics that the living matrix can produce laser-like coherent beams at many wavelengths including visible and near visible light that is radiated into the environment. These are not subtle phenomena they are large scale and their effects are not trivial. For example, living tissue is so highly organized that it can support the Bose-Einstein condensate and excitation of Fröhlich resonance.

The following Figures show a Zen Master meditator in the deepest states of meditation or the Bose-Einstein state.⁶

⁶ Two types of meditation will be discussed here, Involuntary like Zen meditation where one does not use the Will and voluntary muscles to move the breath and Qigong where volition or will is used to recruit the voluntary muscles.

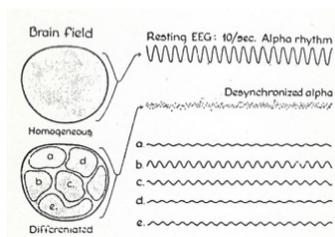


Figure 6. Synchronization of brain waves during meditation.

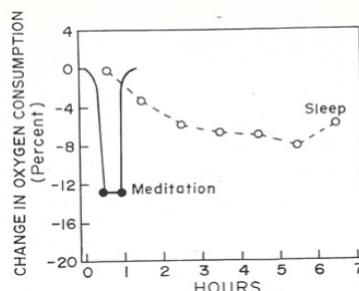


Figure 7. Comparison of oxygen consumption during Zen Meditation and during sleep.

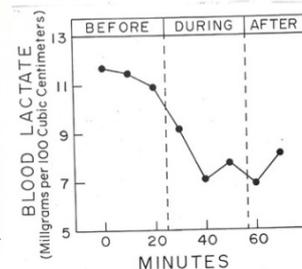


Figure 8. Blood-lactate changes associated with Zen Meditation.

What one sees in in the Bose-Einstein most stable states in Zen meditation is an abrupt change in brains waves, oxygen consumption and blood lactate.^{xvii}

Both inorganic and organic systems have a potential for a stable Bose-Einstein conjugate states.^{xviii} Inorganic gas, by lowering temperature, and organic beings, when mentation stops and the synchronization (organs as well) of the mental and body functioning settles both show similar properties. Juxtaposition parallel properties in the process to conjugate states between organic (enlightenment) and super fluid helium ${}^4\text{He II}$ shows these properties of oneness.

1. State of Oneness of high stability and coherence
2. Extreme low-noise levels
3. Results from abrupt transition between states
4. Active solely in the present, the Now free of reactivity from the past, free of memory
5. Transcend duality between opposites
6. Respond as Oneness and appropriately to stimulus and pressure
7. Transmit information of exceptional clarity
8. Display behavior to 'ordinary' man as "strange", generally expressing liberation from ordinary constraints
9. Basic states) at 'zero' noise levels) consistent inherently of both stationary and moving aspects.

Myogenesis starts at conception but is mitigated by outside culture and bifurcates into adjustment to Nature's conditions in behavior and mentation, or afferent sympathetic reaction to outside the organism. Chinese medicine sees six pernicious weather influences, heat, cold, dampness, dryness, wind, summer heat. This creates habits of behavior and mentation which here will be defined as inertia (stagnation) for disease from organ and mental reactivity. In weather influences not adjusting to climate changes. Anaplasia can happen under these fragmented diseased states where cells revert back to primitive embryonic state of undifferentiated fast-growing cells, such as cancer. Afferent conditioning from outside trauma affects organ functioning and creates a lack of synchronization that is reactivated by approximation of original trauma based upon physiological experiments.^{xix} How does one get to an unconditioned state and not knee-jerk reactivity to cultural and individual fragmentation, or not adapting to weather.?

Curvilinear and transverse phenomenon can be seen in the very structure of the human skull, and the transverse up and down of the nervous (motor) system, immune system, blood (oxygenated and deoxygenated), and the in and out of the respiration of the cell and lungs. Organs and the heart can be conditioned to be out of synch by cultural and individual differences as well as habits of food and substance intake.^{xx} We tested this in chronic heart disease by Qigong meditation practice which resulted in a synchronization of body physiology in terminal phases of heart disease to increase heat, and calm an agitated state. In cocaine addiction women were found to be receptive to continue practice of Qigong meditation than men to stabilize the lack of habit over a longer period.^{xxi} However men still did better than conventional addiction therapy.

EUROPEAN SCIENCE DOES NOT HAVE A PHILOSOPHICAL HISTORY OF CURVILINEAR AND RECTILINEAR UNDERSTANDING OF THE HUMAN MIND/BODY CONSCIOUSNESS TO THE AETHER FIELD, INTERNAL ORGANS AND ENERGY FLOW WITHIN THE BODY. TURNING TO THE ORIENT.

We have shown non-zero mass and spin-1 in the aether (inertia coupled with

gravity to maintain coherence), the Tesla diagram for his patent showing curvilinear and transverse creating negative entropy, the earth's cavity and transverse lightening producing negative ions for human life, Obolensky's miniature Tesla inspired Magnifying Transmission instrument and adiabatic reversal of disease in clinical research and the measurement of superluminal velocity. Also, we showed reversal of disease in heart disease and cocaine addiction through Qigong meditation. Research in this area will be presented and hypnosis of a circular Domal acupuncture area (not a point) both inside and outside the body.

Philosophically Kashmiri Tantrism in ancient time replaced linear logic with spherical or non-dual logic. In this way things are not defined in a particular way or spatial fixation but end up merging into the One. Sadness is a prelude to joy and the creation /destruction of the universe is a process of perpetual cycle, as does birth and death returning to absolute consciousness. Thinking this way there is no longer a break in the fluidity of motion. This means humans are *caught between the beginning and end of a thought process*. It is a none-ending process. Body/mind is a physical experience. Emotions felt are experienced in the body. Duality is a process of contraction. Clinical experience sees patients, migraines for example, as a constriction of the circular head. The contraction eases when energy is added, and expansion opens providing more space and an ability to relax. Acupuncture does this with its perpendicular insertion, as does mechanical manual pressure, Qigong (not touching the body), laser, or motion, even heat. When this happens, thoughts are no longer limited, and space opens up in the mind. Thoughts/body become spherical because what is inside is outside, and outside is seen as part of the mind/body. Phase conjugate can happen out of a habituated physiological state by stark awareness, meaningful words, or, seeing an event triggering a phase shift spontaneously.

In a research project with Yoshiaki Omura, M.D., D.Sc and electrical engineer, while examining the acupuncture points in the late 1980's, were found not as a point but an area. Closer examination showed upon stimulation the opposite, of biochemically constriction, became a biochemical relaxation response.^{xxii} ^{xxiii}Acetylcholine, serotone, methionine-enkephalin, beta-endorphin, ACTH, secretin, cholecystokinin, norepinephrine, and GABA were found on all acupuncture points and along the meridians regardless of the meridian.

Extensive biochemical changes happened instantly throughout the body. A high-powered light on the finger nail shows an immediate vasodilation of the small capillaries. Shinnick continued this study and found that the area above the acupuncture point went through continuous contraction and expansion every second, through six phases. Also, toxic conditions to the organ shift the organ pathway. The heart and diaphragm have multiple phases and pathology happens when one phase is stuck or constricted. In the heart the thoracic rib cage locking, in the diaphragm, and the back of neck twisting. Life goes on but morbidity sets in.

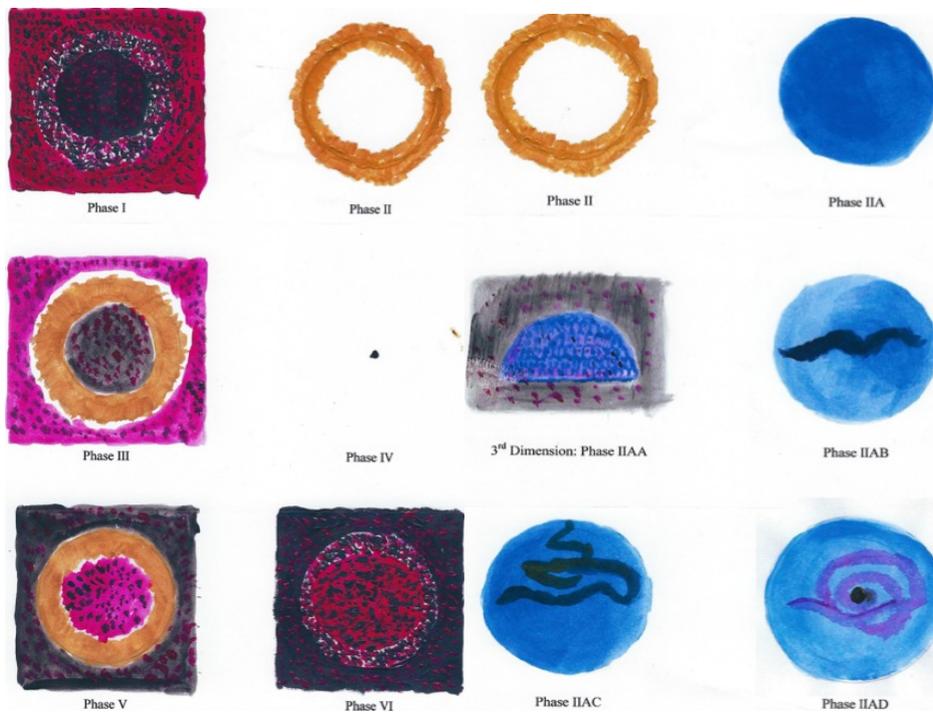


Figure 9. Contraction and expansion of acupuncture area

Figure 10. Transverse quanta of energy entering and moving in many directions

Individuals in disease spent more time, a fraction of a second more in one phase and are phase stuck. These domal areas raise about the body surface. These domals are in the field outside the body. The domal is shrouded in a blue canopy with underlining hexagonal structure, inside is a spatial density matrix UQi area, the other half penetrates inside. With energy stimulation

(acupuncture, Qigong, laser, manual stimulation) after a flushing of a pure color, triggers Phase II. A quantum of energy moves through the domal transversely or spinning up or down.

This understanding came from 300 clinical cases of different diseases over five years and resulted in these mind images from this long clinical research. To be sure, organs are solid (liver, kidney, pancreas, heart) or hollow (gall bladder, bladder, stomach, lungs, large intestine and small intestine) with the hollow organs having transverse movement such as bile, water, food and digested food. The solid organs filter substances and the heart with its electro cardiac cells create rhythm for the arteries to contract and circulate blood. The heart has more than one direction, going up to the head and down to the body. Movement of de-oxygenated blood against gravity back into the heart and lungs through the veins is dependent upon body movement. Veins have trap doors to prevent backflow but need movement to overcome gravity.

Gravity is a major impediment to blood circulation to the head (average 80-90 mmHg) and up from the feet (180-190 mmHG). Gravity and inertia define mass so impediment to energy flow is culture/outside/weather conditions habitual physiological functioning and mental habits. In other words, the dome acupuncture areas can get stuck in a phase with disease perpetuation and the body /mind as a whole conditioned and phase stuck. Inertia and stagnation create reactive condition of fragmentation or better put maintain condition.

WHAT ARE THE WAYS THAT THE FRAGMENTED PHYSIOLOGICAL AND MENTAL HABITS CAN BE CHANGED TO A MORE UNCONDITIONED OR PHASE CHANGE NATURAL STATE?

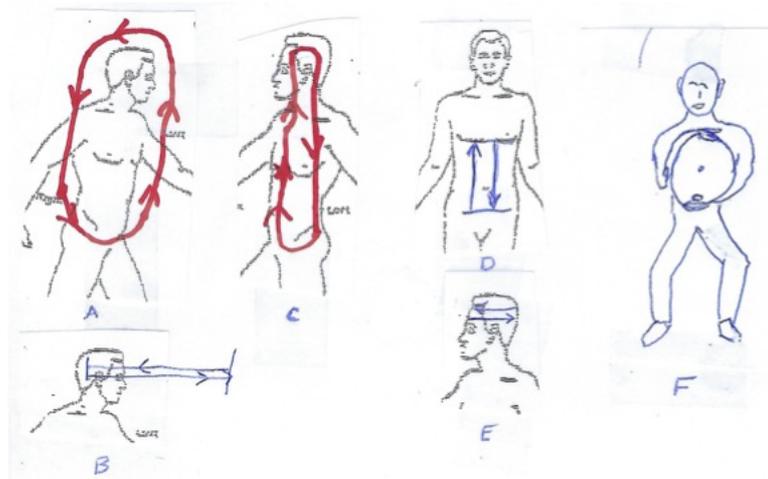
Qigong's curvilinear and up and down transverse practices create a conjugate phase change and capture space filled substance defined as density matrix, uncreated, unformed and named here as Universal Qi or UQi. Our created form of the mind/body is conditioned and bifurcates into organ interaction dysfunction and mental fragmentation. In Zen meditation one just sits still for a long period and does nothing just waits, not attaching to thoughts, letting them go, then things settle over time, with no Will or volition.

INSIDE, UP AND DOWN

Qigong uses Will and internal practices to create Qi by synchronizing organs from fragmented yin and yang organ struggle by internal up and down with the breath. Humans have a left and right side and when one dominates, the spine suffers. This happens from spine tension (posture) which compromises enervation of the organs. Front and back go together. Hollow Organs are Yang and solid Yin. Together harmonized and create Qi. Qi creates the conjugate state phase change. This is not the normal state, mostly there is disequilibrium with pain and suffering with morbidity lurking. Qigong practices help create internal Qi from out of balance Yin and Yang organs.

OUTSIDE TO INSIDE AND INSIDE TO OUTSIDE.

Lorentz's statement that the aether and elements were also in measurement instrument (the acupuncture dome is inside the body as well) is a convergence with Oriental Natural philosophy's understanding the body and the Cosmos are made up of similar elements, Qi. The most implicit assumption is that this Universal Qi and internal Qi (bifurcated into yang and yin through fragmentation) can be accessed through up and down practices between areas of the body regulated by breath flow. Also, Universal Qi (density matrix non-zero matter and spin-1) can be accessed through practices of bringing in outside universal Qi through the breath. Figure 9 below are the various internal and external practices.



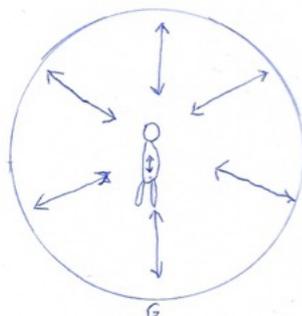


Figure 11A is the microscopic external orbit. Figure 11B is gathering UQi externally. Figure 11C is the internal microscopic orbit to regulate Qi inside the body. Figure 11D is internal transverse meditation to regulate the fire organ, liver, with the lower water organ, bladder to harmonize. Figure 11E is transverse inner skull cavity meditation.

Figure 11F is the practice of Ba Gua Yi Qui Gong which creates (Xin) information about the relationship between the Universe, Nature, and Humans. Curvature Sky/Yang and Rectilinear Earth Qi Yin harmony resides in the ball. The practice is with Yi intension and Nian mind (ling soul) focusing on the center of the ball, spinning it with palms shoulder width and ball from top of chest to waist. Left to right, up and down, around. (This is the essence of Tai Chi Chuan) This then creates a pattern that teaches Nature's way of the circle and transverse processes.xxiv

Figure 11G is breathing in through all the pores from 360 degrees then entering the body traversing up and down the abdomen before breathing out again. This harmonizes the internal organs and brings in UQi and is curvilinear and transverse practice all at once.

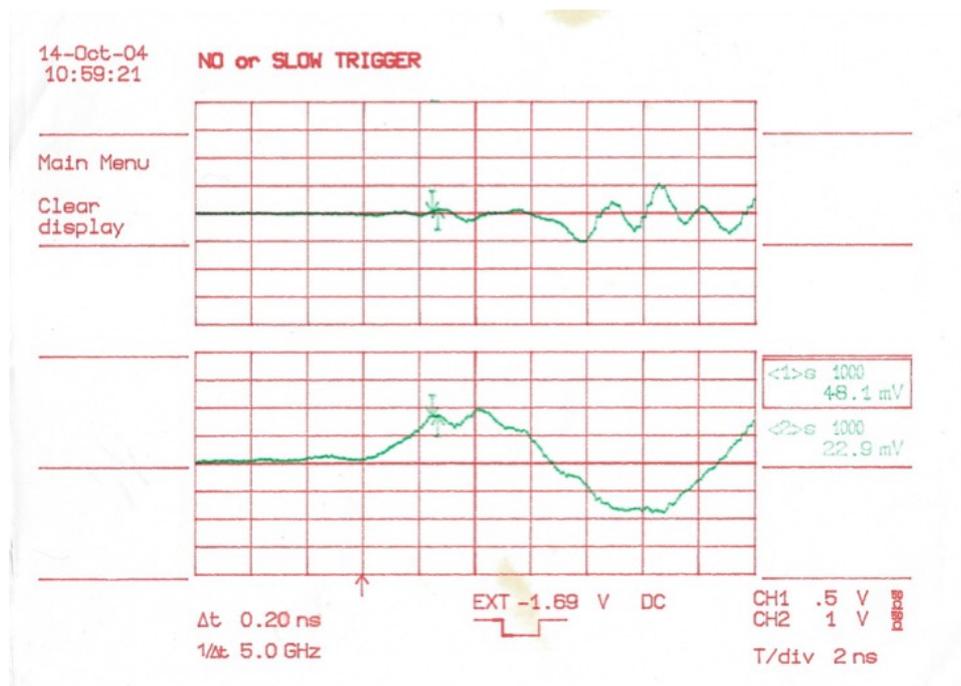
Appendix I

Experiments show that inertia is independent of the mass. This implies that the mass and its orbital rotation velocity vary when its velocity changes. For example, the angular velocity ω of Earth's spin is not the same at perihelion (which occurs January 1-4), i.e. $6.231 \cdot 10^{-3}$ m.s. neg.^2 , and at aphelion (July 4-6), i.e., $5.6637 \cdot 10^{-3}$ m.s. neg.^2 where the Earth's acceleration, i.e., weight is different. This has been verified by the observation of Essen, which shows that the time rotation of the Earth in terms of the cesium atomic standard is faster~ in July and slower in January F.A.P.P. The Earth weighs less in aphelion than

in perihelion and offers less resistance to its angular velocity.^{7 8}

Appendix II

Oscilloscope image measuring light speed from co-axial sensors within the miniature Tesla Magnifying Transmission in 2004. This shows a superluminal velocity, then variations in speed.



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