

Sympathetic Vibratory Physics - *Universal Cosmology*

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"A truth's initial commotion is directly proportional to how deeply the lie was believed. It wasn't the world being round that agitated people, but that the world wasn't flat.

When a well-packaged web of lies has been sold gradually to the masses over generations, the truth will seem utterly preposterous and its speaker a raving lunatic."

~~~**Dresden James**

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## What Sympathy Is

### 10.01 - Introduction

Modern science works with effects. It never works with cause. Medical science is especially known for this as they persist in treating symptoms always ignoring the cause of the affliction.

Sympathetic Vibratory Physics (SVP) endeavors to uncover cause of the many effects science sees and usually interprets erroneously. A case in point is the phenomenon called "sympathy" (mutual attraction) between seeming individuated objects. Sympathy is a state or condition existing between seeming individual objects be they persons, tuning forks, musical instruments, atoms and molecules or motors and windows.

**SYMPATHY**: 1. Pertaining to or produced by sympathy.

2. Pertaining to the sympathetic nervous system.

3. The sympathetic nervous system.

The mutual relation between parts more or less distant, whereby a change in the one has an effect upon the other. [*Blakiston's New Gould Medical Dictionary* The Blakiston Company, 1949; 1st edition.]

SYMPATHY: 1. a. A real or supposed affinity between certain things, by virtue of which they are similarly or correspondingly affected by the same influence, affect or influence

one another (especially in some hidden, unseen way), or attract or tend towards each other.

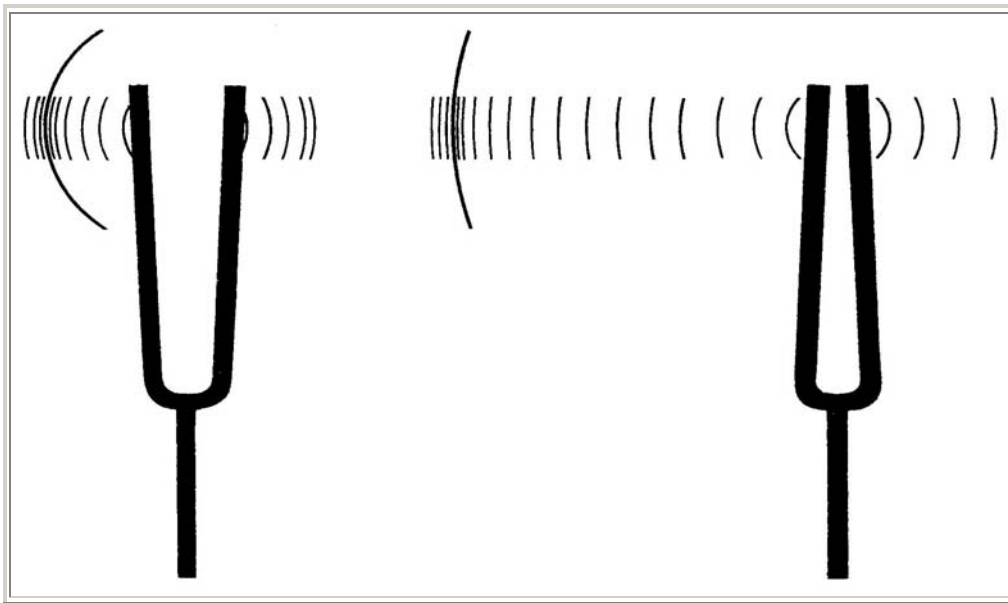
1. b. A relation between two bodily organs or parts (or between two persons or things) such that disorder, or any condition, of the one induces a corresponding condition in the other.

2. Agreement, accord, harmony, consonance, concord, agreement in qualities, likeness, conformity, correspondence.

3. a. Conformity of feelings, inclinations, or temperament, which makes persons agreeable to each other; community of feelings; harmony of disposition.

3. b. The quality or state of being affected by the condition of another with a feeling similar or corresponding to that of the other; the fact or capacity of entering into or sharing the feelings of another or others; fellow-feeling. Also, a feeling or frame of mind evoked by and responsive to some external influence. [source unknown]

Sympathy then is not about "feeling sorry for someone". Sympathy is about "feeling AS something or someone other than self". Sympathy is therefore a form of LOVE or AFFINITY wherein two or more individuated objects feel/respond AS ONE - what happens to one is experienced by both or all, concurrently and similarly. Hence two perfectly tuned tuning forks (or any other objects) vibrate AS ONE would when either is stimulated into vibration or oscillation.

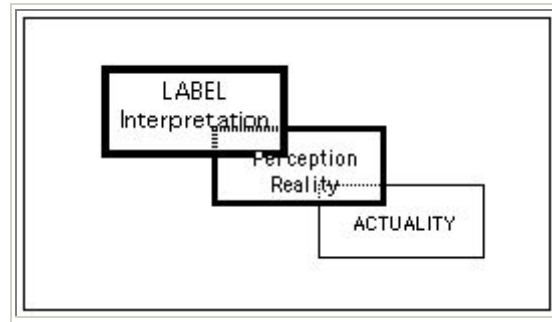


**Figure 10.1 - Tuning Forks - As one vibrates so does the other**

## **10.02 - Reality vs Actuality**

A difficulty encountered in understanding SVP is seeing beyond the illusions of what we think we are seeing. What we think we see is our perception. Perception is never the same

as that perceived. In an effort to categorize and make sense of our perceptions we label things and events.



**Figure 10.2 - Illusion labeled and accepted as Reality**

Over time however these labels take on a life of their own and we mislead ourselves when we confuse a label with the phenomenon it is designed to represent. We see a phenomenon and label it. If care is not taken, the label becomes confused as the phenomenon. Mathematics is (in)famous for mistaking its calculations for that which they are supposed to be describing.

Another example of mistaking a label for a perceived event is "magnetism", a word used to describe the perceived attraction of two pieces of iron joining together under that supposed influence. So when we see two pieces of iron joining together via this thing called "magnetism" we assume magnetism is an attractive force creating the event. Is this really true? Or is it just our interpretation of our perception of that event?

Our perception tells us this attraction is true. Every measurement and test further supports this perception. ("Life's experiences are for the purpose of proving to us our egoic perceptions are correct.") However, our perception tells us the two ends of a bar magnet are opposite polarities and two bar magnets brought near to one another join by opposite poles. The logical conclusion is "opposites attract" and "like poles repel". This is true for more than one bar magnet. But in a single bar magnet opposite poles appear to repel. Each end of the magnet is oppositely magnetized and appear to repel one another. No matter what we do to this magnet the ends will seek to be as far away from each other as they can get. No force or technique known to science will cause these opposite poles to attract one another.

This idea that "opposites attract" is an embedded meme - an accepted truth - even though it clearly is not true. This idea was created during the first experiences with magnets several thousand years ago and continues unquestioned to this day. An accepted truth from yesteryear now proven to be false is generally referred to as a superstition. It is an old fact now known to be false.

*"That as given shows how sympathetic vibration in its simplicity is in activity as a usable force, as stated; yet, with the radial activity of the latent forces given in the sympathetic, or synthetic, or syncothetic conditions, brings then the proper relations, which makes*

*same into a usable force. Build upon the principle here set forth. Set out in that as the active principle, the combination of relativity of elements with the active force of sympathetic vibration bringing the two into relations that make a usable motive force, as may be applied in the various forms to any active principle." Cayce (4665-13)*

### **10.03 - Sympathetic Streams**

Sympathetic streams are the highest attribute of matter and energy of the physical Universe. These sympathetic streams or flows are at the very heart of all motion - such motion creating all forms of matter and energy. An inherent and all important property of these streams is sympathy or sympathetic attraction or "mutual affinity" or mutual attraction and it is this attractiveness to self that many have labeled Love. Hence it may be said Love as self-affinitizing sympathetic attraction constitutes the prime motive force behind and creating all that is.

"There is but one position to arrive at, that will redeem the many failures of the past decade, in attempts to find an economizing medium for commercial benefit in regard to power; and that position will be attained when the polar sympathetic harness is completed, which will give to the world the control of the polar forces."

In reply to the question, "What do you include in the polar forces?" Keely answers, "Magnetism, electricity, and gravital sympathy; each stream composed of three currents, or triune streams, which make up the governing conditions of the controlling medium of the universe: the infinite ninths that I am now endeavouring to graduate to a sympathetic mechanical combination, will, if I succeed, close my researches in sympathetic physics, and complete my system. These sympathetic stream from celestial spaces, percussing on the dense atmospheric environment of our earth, by their infinite velocities, wrest from their atomic confinement the latent energies which we call heat and light."

Question.- And where do these sympathetic conditions or streams of force have their origin?

Answer.- 'So God created man in His own image, in the image of God created He him: male and female created He them,' Genesis 1:27." All sympathetic conditions, or streams of force, are derived (if we dare to make use of such a term in speaking of Deity) from the cerebral convolutions of the Infinite: from the centre of the vast realm of the compound luminous. From the celestial intermediate, the brain of Deity, proceed the sympathetic flows that vitalize the polar terrestrial forces." - Keely. [Keely and His Discoveries, Appendix II]

The origin of all these streams or sympathetic flows is the "Center of the vast realm of the compound luminous." i.e.; the vacuous etheric space between the planets and their suns.

*"Matter is light gravitationally assembled into the appearance of form..."* [Russell, [The Universal One](#), Book I, Chapter II]

From the "Celestial Intermediate", composing the "Brain of Deity" proceed the sympathetic flows that give vitality to the polar terrestrial flows, in other words, to all the earth energy currents which include but are not limited to magnetism, electricity and gravity. The material universe comprises the physical "Brain of Deity". The Universal Mind of Deity is what creates, activates and perpetuates the physical realm from its seemingly distant ethereal realm.

Ether, etheric, Light, luminous, celestial, Father, Mind are all similar labels in that they are descriptives of the primal tenuous energetic states and/or substances self-composing and ever creating all matter. These elements are synonymous with a certain class of modern day quanta and occupy a range of energy preceeding and evolving up to Hydrogen. These elements are the reverse of that other class of deadly radiations emminating from decaying heavy elements found at the other end of the Table of the Elements. See [Full Chart](#). These primordial elements comprise the formative forces that build and give life to light weight atoms, molecules and structures made from same. The deadly radio-active elements are comprised of deconstructive forces occuring during the death and decay of the heavy elements. The first class give Life while the second class give Death and are emblematic of Life and Death.

Between these two ranges of quanta, one at the beginning of the Table of Elements and the other at the end, exists a Neutral Zone that is neither Life Giving or Death Giving. This Neutral Zone is Mind proper located where the Death giving elements devolving from matter convert or transform into Life Giving elements beginning again their evolution into matter. This depolar state of Consciousness contains latent within it all that it may evolve into - the material universe - derived from the immaterial Void of Space, or so-called Spirit Realm. Thus we see there is the Creative Source of all that is which is all that has been created:

*"The Divine Trinity consists of God, the undivided [latent] Father-Mother of Creation, and the two divided [manifest] father-and-mother pairs which constitute Creation. There is nothing else in the universe for this is the principle of the light-wave which man calls electric current."* [Russell, *Home Study Course*, unit 6, page 391.]

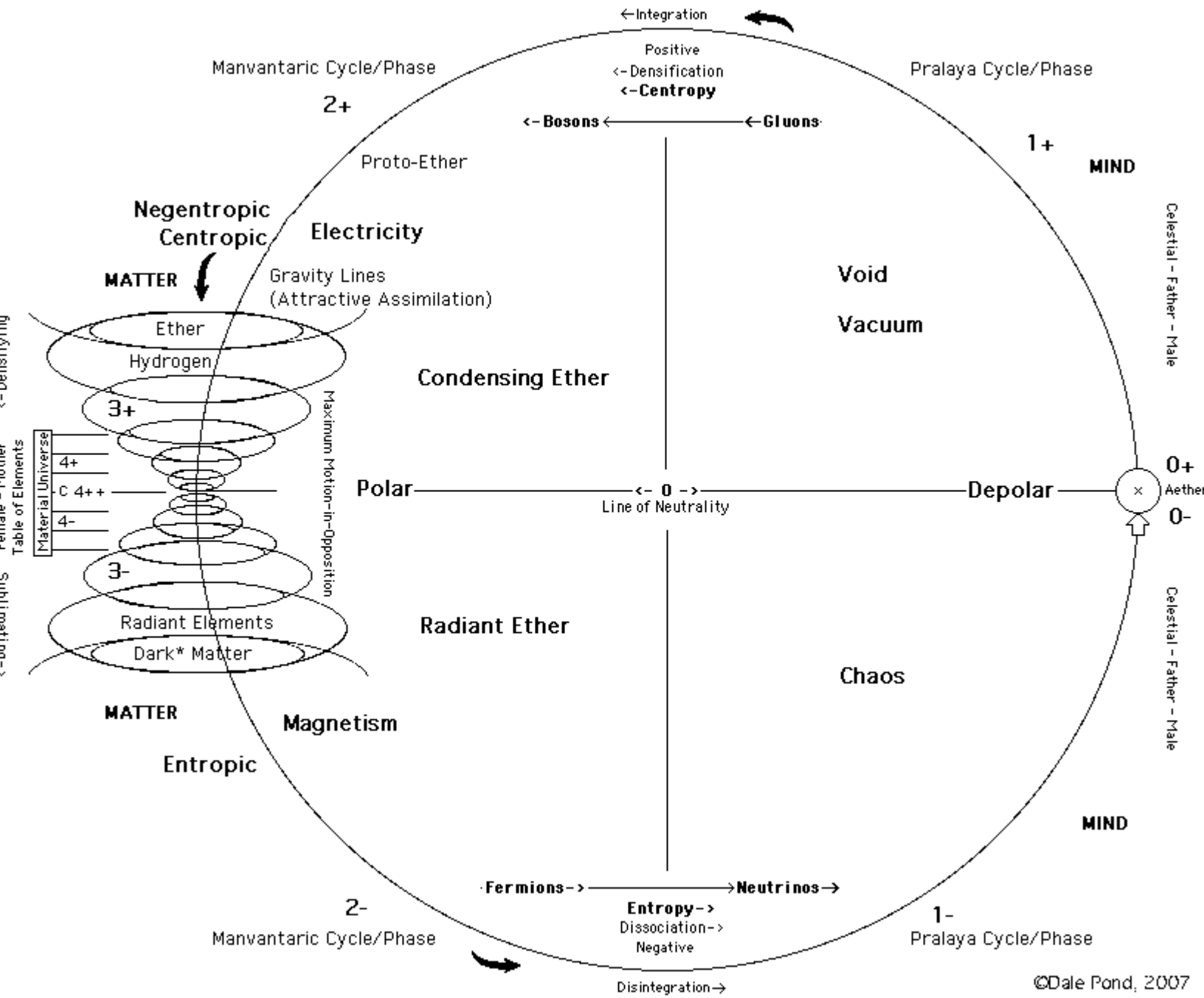
*MacVicar, says of the creation of matter: "In the ether are constructed groups of ethereal elements generating material elements. The ethereal atmospheres tend to become*

*confluent or spherical and the individualized nuclei seek juxtaposition, thereby forming molecules."* [Keely and His Discoveries](#)

These primordial energy states possess certain attractive or sympathetic properties.

#### **10.04 - [Luminiferous Ether](#)**

While some discount ether straight out of hand they make a mistake. Ether is an ancient term from days before quantum science and was usually well considered when atoms were thought to be simples or indivisible. Now we know better. There really are quanta of energies smaller than atoms. There are scores of quanta out there. These may be divided into two distinct classes: those that take part in the formation of matter and those that are the evidence of the destruction of matter. The former are the creative particles or substance referred to herein. These quanta are creative and assimilate into larger quanta eventually becoming Hydrogen then successively all the other elements. Walter Russell [describes twenty-five of the pre-Hydrogen quanta](#) at the beginning his ten octave series of the elements. It may be assumed an electron is an electron whether it is partaking in the formation of a larger element or participating in its destruction. This is an error. Assimilation is not the same as dissociation. The energy constructs and necessities are opposite to one another.



**Figure 10.3 - Full Gamut of Mind to Matter and back to Mind**

However there is one supreme or primordial etheric quanta that comprises the Luminiferous Ether. This original substance is the Undifferentiated White Light. It is the first of all material substances from which all others are eventually created. It is the



Alphanon referred to so often by Walter Russell and which Keely calls the Compound Interetheric or that substance of which Mind Force is comprised as also the point about which matter aggregates via gravity in planetary systems. This luminiferous ether is not photonic light or light that we can perceive with the senses. It is a Light of Mind and may be perceived in consciousness only. This light is the illuminating light often referred to in mystical and religious literatures.

*"Luminiferous ether," Keely writes, "or celestial mind force, a compound inter-etheric element, is the substance of which everything visible is composed. It is the great sympathetic protoplastic element; life itself. Consequently, our physical organisms are composed of this element. This focalizing, or controlling media, of the physical, has its seat in the cerebral convolutions; from which sympathetic radiation emanates. This sympathetic outreach is mind flow proper, or will force; sympathetic polarization to produce action; sympathetic depolarization to neutralize it. Polar and depolar differentiation, resulting in motion. The true protoplastic element sympathetically permeates all forms and conditions of matter; having, for its attendants, gravity, electricity, and magnetism; the triple conditions born in itself. In fact, it is the soul of matter; the element from which all forms of motion receive their introductory impulse."*  
[\[Keely and His Discoveries\]](#)

*"The luminous etheric, protoplastic element, which is the highest tenuous condition of the ether, fills the regions of infinite space, and in its radiating outreach gives birth to the prime neutral centers that carry the planetary worlds through their rages of motion."*  
[\[Keely and His Discoveries\]](#)

### **10.05 - Light**

Light here does not refer to photonic light familiar to all. While lumiosity is photonic light such plays a minor role. There is another kind of Light sometimes called Undifferentiated White Light. It has no color, no heat and no detectible evidence of its existence other than it demonstrates itself by causing various effects. The Light is the Mind Force proper of the Compound Interetheric realm.

*"The only indivisible "element" is the luminous, the one from which all compound elements are formed, or aggregated; hydrogen being one of these compound substances. If hydrogen were a simple [not decomposable] it would assimilate with the high luminous. No molecular structure known to man can hold even the low order of the luminous as chemically liberated. Sympathetic physics classifies hydrogen as a compound triple element, with a metallic base. It comes under the order of the second atomic, both in vibration and in sympathetic outreach."* [\[Operation of the Vibratory Circuit\]](#)

*"Why is this condition of ether always under a state of luminosity of an especial order? Its characteristics are such, from its infinite tenuity and the sympathetic activity with which it is impregnated, that it possesses an order of vibratory, oscillatory velocity, which causes it to evolve its own luminosity. This celestial, latent power, that induces*

*luminosity in this medium, is the same that registers in all aggregated forms of matter, visible and invisible. It is held in corpuscular embrace until liberated by a compound vibratory negative medium.*" [[Keely and His Discoveries](#)]

*"What does this activity represent, by which luminosity is induced in the high etheric realm? Does not the force following permeation by the Divine Will show that even this order of ether, this luminiferous region, is bounded by a greater region still beyond? - that is but the shore which borders the realm, from which the radiating forces of the Infinite emanate; the luminiferous being the intermediate which transfers the will force of the Almighty towards the neutral centers of all created things, animate and inanimate, visible and invisible; even down into the very depths of all molecular masses. The activity of the corpuscles, in all aggregations, represents the outflow of this celestial force, from the luminiferous track, towards all these molecular centers of neutrality, and reveals to us the connecting link between mind and matter."* [Pg 270 of [Keely and His Discoveries](#)]

### **10.06 - Hydrogen**

*"The Horizon of matter does not rest on hydrogen. I contend that hydrogen is composed of three elements with a metallic base and that it belongs to the "interatomic" subdivision, by reason of its vibrational frequency and sympathetic outreach. Hydrogen is not an actual etheric element, for if it were such, it could not be confined in any container. No molecular structure can contain and hold the ether of the seventh subdivision, not even that lowest order - ether of the fourth subdivision - which is liberated as heat in chemical action. Were hydrogen a simple element, such as the ether, it would seek its medium of correspondent tenuity with a speed greater than that of light, notwithstanding any restraining influence at our command."* [[The Snell Manuscript](#)]

### **10.07 - Mind Force**

*"The substance of the brain is molecular. The mind which permeates the brain is inter-etheric in substance; it is the element by which the brain is impregnated. This element, when excited into action, controls all physical motion as long as the necessary sympathetic conditions are maintained. These conditions are no more immaterial in their character than are light and heat. Electricity, magnetism, gravity, and heat are latent in all aggregations [forms] of matter. They are not obtained from terrestrial influences. Celestial radiation is the true impregnating medium in all these forces. The brain is the high resonating receptacle where the sympathetic celestial acts, and where molecular and atomic motion are induced, as according to the intensification brought to bear upon it by radiation."* [[Operation of the Vibratory Circuit](#)]

*"Sympathetic physics teaches that the luminiferous ether, a compound inter-etheric element, celestial mind force, is the substance of which everything visible is composed, and that this great sympathetic protoplasmic element is life itself.*

*Consequently, our physical organisms are composed of this element; the focalizing or controlling media to the physical having its seat in the cerebral convolutions from which*

*sympathetic radiation emanates. This sympathetic outreach is mind-flow proper, or will-force; sympathetic polarization to produce action, sympathetic depolarization to neutralize it. Polar and depolar differentiation resulting in motion. This element sympathetically permeates all forms and conditions of matter, having for its attendants gravity, electricity, and magnetism, the triple conditions borne in itself. From this 'soul of matter' all forms of motion receive their introductory impulses. The physicists of the present age ignore the sympathetic conditions that are associated with the governing force of the cerebral and the muscular organism. The evolution of a volition, the infinite exciter, arouses the latent energy of the physical organism to do its work; differential orders of brain-force acting against each other under dual conditions. If there were no latent energy, to arouse sympathetically, there would be no action in the physical frame, as all force is will-force.*

*"Enough alternate active energy could be evolved, in a cubic inch of steel, by the proper sympathetic exciter, to do the work of a horse, by its sympathetic association with the polar force in alternate polarization and depolarization. This is the power that I am now getting under control to do commercial work. In other words, I am making a sympathetic harness for the polar terrestrial force." Keely, 1892. " [Newton of the Mind](#) ]*

*"All Nature's forces are MIND FORCES governed by the triune streams of celestial affinity (mutual attraction to neutral centers). Each neutral center responds to the triple thirds by alteration or corpuscular motion. Sympathetic streams are only modifications of the ONE FORCE in Nature, each stream being of a triune nature, i.e., consisting of triple flows, the intensity of each being in a certain harmonic ratio. The flow in the terrestrial envelope is controlled by the dominant as shown by the static position which the magnetic needle assumes. The harmonic and enharmonic portions of the magnetic flow are here, obliged to coordinate themselves to the controlling dominant.*

*"The etheric substance which acts as the governing medium for a magnetic or sympathetic flow is of such tenuity that odor particles, which exist in the atomic subdivision, are crude [large] in comparison. The tenuity of the medium of the sympathetic flows, or of the magnetic flow, comes to and above that of sound.*

*"An explanation is necessary of the triune laws governing the propagation and transmission of the triune sympathetic streams, and the triune conditions governing "corpuscular aggregation" [forming matter] before we can understand the response by inducted "magnetic antagonism" of that sympathetic medium which interconnects all matter. Otherwise we cannot understand the laws governing the propagation and transmission of the disintegratory [dissociating] vibrations.*

*"All sympathetic streams are triple, whether cerebellic, gravital, magnetic or electric and are the governing agents of all "celestial" and "terrestrial" orders of positive radiation and negative attraction. There is no flow of gravity, which should instead be spoken of as "triple connective links" as its transmission is instantaneous.*

*"The power and velocity of the sympathetic streams as they focalize towards the neutral center [of matter] and the propagation from the neutral center of its sympathetic outreach by means of these streams, exceeds by thousands of times the power of our highest explosives. An atmospheric stream [air] moving with the velocity of these sympathetic streams would atomize a steel warship. As these streams come from celestial [outer] space they come in contact with the earth's dense atmospheric envelope and by their infinite velocities and inreach for the neutral centers, wrest from atomic confinement [quantum realm] those latent energies we call heat and light."* [[The Snell Manuscript](#)]

### **10.08 - In Machinery**

*"Keely's researches in this province have shown him that it is neither the electric nor the magnetic flow, but the etheric, which sends its current along our nerves; that the electric and magnetic flows bear but an infinitely small ratio to the etheric flow, both as to velocity and tenuity; that true coincidents can exist between any mediums, - cartilage to steel, steel to wood, wood to stone, and stone to cartilage; that the same influence, sympathetic association, which governs all the solids holds the same control over all liquids, and again from liquid to solid, embracing the three kingdoms, animal, vegetable, and mineral; that the action of mind over matter thoroughly substantiates the incontrovertible laws of sympathetic etheric influence; that the only true medium which exists in nature is the **sympathetic flow emanating from the normal human brain**, governing correctly the graduating and setting-up of the true sympathetic vibratory positions in machinery, necessary to commercial success; that these flows come in on the order of the fifth and seventh positions of atomic subdivision, compound inter-etheric sympathy a resultant of this subdivision; that if metallic mediums are brought under the influence of this sympathetic flow they become organisms which carry the same influence with them that the human brain does over living physical positions, and that the composition of metallic and that of physical organisms are one and the same thing, although the molecular arrangement of the physical may be entirely opposite to the metallic on their aggregations; that the harmonious chords induced by sympathetic positive vibration permeate the molecules in each, notwithstanding, and bring about the perfect equation of any differentiation that may exist - in one the same as in the other - and thus they become one and the same medium for sympathetic transmission; that the etheric, or **will-flow**, is of a tenuity coincident to the condition governing the seventh subdivision of matter, a condition of subtlety that readily and instantaneously permeates all forms of aggregated matter, from air to solid hammered steel, the velocity of the permeation being the same with the one as with the other; that the tenuity of the etheric flow is so infinitely fine that a magnifying glass, the power of which would enlarge the smallest grain of sand to the size of the sun, brought to bear upon it would not make its structure visible to us; and that, light traversing space at the speed of two hundred thousand miles per second, a distance requiring light a thousand centuries to reach would be transversed by the etheric flow in an indefinite fragment of a second."* [[Keely and His Discoveries](#)]

### **10.09 - Latent Force**

*"The latent force excited by a sympathizer or resonating sphere, acting both as receptor and generator through the Trexar, in connection with metallic masses, merely extends the range of the neutral sympathetic attraction in the metallic molecules, without corpuscular rupture, and this sympathetic outreach links the neutral center to its harmonic sympathizer [its opposite sex mate] as long as its exciter [disturber of equilibrium] continues in action. When its exciter is dissociated [disconnected], the outreach returns and again nestles in the corpuscular embrace of the metallic mass. This is the polar sympathetic harness - rotation produced in a steel disk by associating the polar dominant current, which leads the triune terrestrial stream, with vibratory attraction on metallic mediums." [The Snell Manuscript]*

*"This latent neutral force Keely has diverted, and brought about "coordination between the two mediums, celestial radiation and terrestrial sympathetic outreach."*

*"With our present knowledge," writes Mr. Keely, "no definition can be given of this latent force; which, possessing all the conditions of attraction and repulsion associated with it, is free of magnetism. If it is a condition of electricity, robbed of all electrical phenomena, or a magnetic force, rebellant to the phenomena associated with magnetic development, the only philosophical conclusion I can arrive at is that this indefinable element is the soul of matter. Were not every form of matter, even to the cerebral convolutions of the brain, impregnated with this latent element of force, which is sympathetically subservient to celestial radiation, nature would be like a still-born child, or a marble statue - dead to the sympathetic association that induces motion. Matter could not exist without this element, this spiritual essence, this impregnation from the Deity, which is its soul, any more than a man with an ossified brain could have motion or life." [What Electricity Is.]*

### **10.10 - Sympathetic Outreach**

*"Sympathetic outreach is an inherent attribute of all matter, arising from the sympathetic radiating and incoming flows from and towards the neutral center. "Seeking of external concordance to equate or establish the balance of internally disturbed equilibrium in the neutral center, constitutes sympathetic outreach." The sympathetic flow is simply the medium through which the sympathetic outreach works. There are several varieties of sympathetic flows.*

*"Sympathetic Outreach is not induction. They are quite foreign to each other in principle. Sympathetic outreach is the seeking for concordance to establish an equation on the sympathetic disturbance of equilibrium. When a magnet is brought into contact with a keeper, there is no induction of magnetism from the magnet into the keeper. The static force of the magnet remains unchanged, and the action between the two may be compared to a sympathetic outreach of a very limited range of motion. The sympathetic outreach of the moon towards the earth, has a power strong enough to extend nearly a quarter of a million of miles to lift the oceans out of their beds. This is not the power of induction. . . .*



*"The sympathetic envelope of our earth owes its volume and its activity entirely to celestial radiating forces. Reception and dispersion are kept up by atomic and inter-atomic conflict, as between the dominant and enharmonic.*

*"Silver represents the 3rd, gold the 6th, and platina the 9th, in their links of association, one to the other, in the molecular range of their motions, when submitted to vibratory impulses.*

*"If an introductory impulse, representing the sympathetic chord of transmission, say B flat, or any other chord, be given to a sectional transmitting wire, the molecular triple, that is carried sympathetically along the path of such transmitter by the differentiation induced, excites high sympathy with the polar terrestrial stream. The polar terrestrial, being triune in its character, requires a triune sympathizer to meet its differential requirements: silver the harmonic, gold the enharmonic, and platina the dominant. When this triple metallic condition is properly sensitized, by any chord on the dominant, combined molecular, differentiated action is induced; showing a condition approaching magnetism in its development of related sympathy, without having the conditions that are truly magnetic, as this term (magnetic) is understood by all physicists." [The Snell Manuscript]*

In Russellian physics this sympathetic outreach is referred to as DESIRE:

*"One is accustomed to thinking that male, which is preponderantly positive, attracts female which is preponderantly negative.*

*"It is not the negative "charge" of the female which is attracted to the positive charge of the male, but rather the positive charge of each attracts the other.*

*"The apparent attraction of each action to its reaction is due to the desire of the active force within each for accumulation, and the consequent continuance of the evolving idea of itself through that accumulation." [The Universal One, page 79]*

*"Elements of the active principle in that called NOW generated energy, or the breaking of the vibratory unit to begin its expansion in force." Cayce (195-54, A-10)*

*"The vibratory force is the active principle all radiates from." Cayce (195-54, A-12)*

The active principle or positive charge is first the extension of the sympathetic celestial outreach seeking equation (feeling for something to balance with). Secondly, answered by the sympathetic lower potential of the other, thirdly a mutual antagonism or rushing together to void one against the other (sex, voiding, union - return to balanced state).

### **10.11 - Polarity**

*"But light is not only the source of these forces, it is also the great electro-magnetic polarizer. In the formation of the atom it receives the polar energy that gives it its*

*individuality; its polarity constantly changes in dropping old and putting on new affinities; but the tendency is to equilibrium, or harmony. In inorganic matter the atoms are more angular than in the organic; the spheroidal form being proportioned to the stages of development. Each atom of matter contains one of the electric forces and is surrounded by an ethereal atmosphere of the opposite electricity, thus each atom is a miniature of the earth. The atomic similarity to the aggregation of atoms - the earth - is most remarkable in the fact that the electric or magnetic force of each atom has a current, like the earth's current, pouring in at the poles and out at the equator; thus atoms contain within themselves the elements of their own existence. When the positive and negative forces of electricity harmonize, they move in equilibrium, as in terrestrial magnetism; when they are separated they become antagonistic, and positive electricity becomes "a blind force," as the Ancients termed it - they symbolizing electricity in equilibrium by a serpent swallowing its tail. Positive electricity is the active polar force, and the negative is the passive depolarizing force. Positive electricity is the ether tensely polarized, and when pushed to its utmost tension fire is produced." ("Red and Blue Light," by the late Dr. Seth Pancoast.)*

*"Magnetism is not polar negative attraction, any more than polar negative attraction is magnetism; for polar negative attraction shows positive sympathetic outreach, of a high order; which is a condition entirely foreign to magnetism." [\[The Snell Manuscript\]](#)*

## **10.12 - Attraction**

Attraction, its varied forms

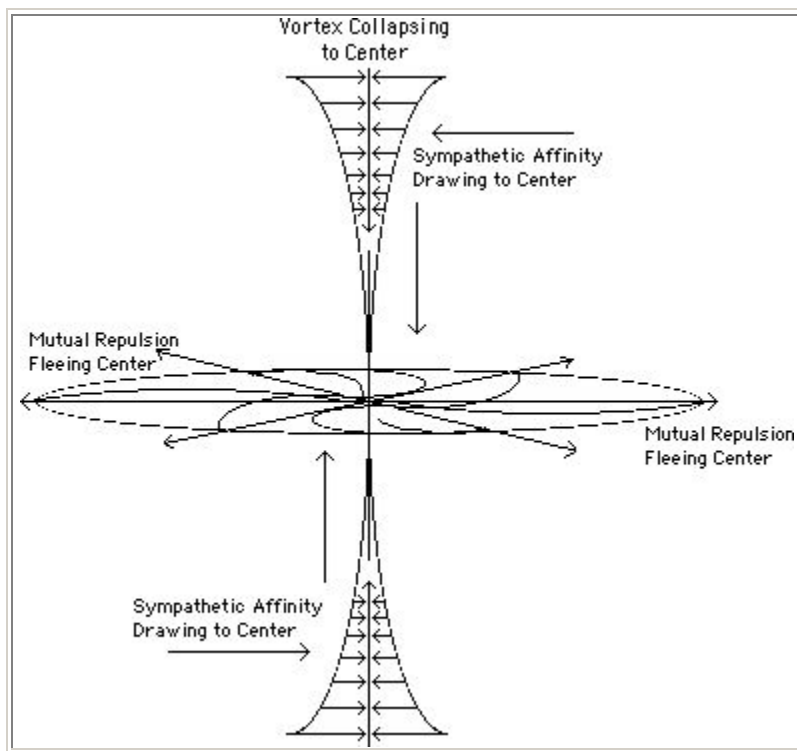
*"Attraction is the mutual approach of aggregates caused by concentrated waves of harmonic energy, tending to move in line of least resistance, by becoming the center of one series of concentric waves instead of two or more series." (Keely)*

*"This power of the neutral center manifests itself in different degrees and in different ways, on the different planes of substance. MacVicar says "The law operates between two poles - assimilation and dissimilation - and by analysis and synthesis simultaneously.*

*"There are several forms of attraction for the neutral center. Any metallic mass can be so impregnated with certain vibrations that it will assume the mental quality of attraction as well as that of repulsion. There is sympathetic negative attraction, which is manifested along radial lines of attracting force. This state can be induced by vibrating a sphere mass with the proper frequencies, which will cause all its component molecules to contribute their properties and powers to the mass-neutral center, with attendant phenomena. This sympathetic negative attraction is not the resultant of electrical sympathization but includes the full triune flow, of which the dominant or "celestial associative" is the leader.*

*"Again, "That force which holds the planets in their orbits is the sympathetic outreach of negative attraction." [\[The Snell Manuscript\]](#)*

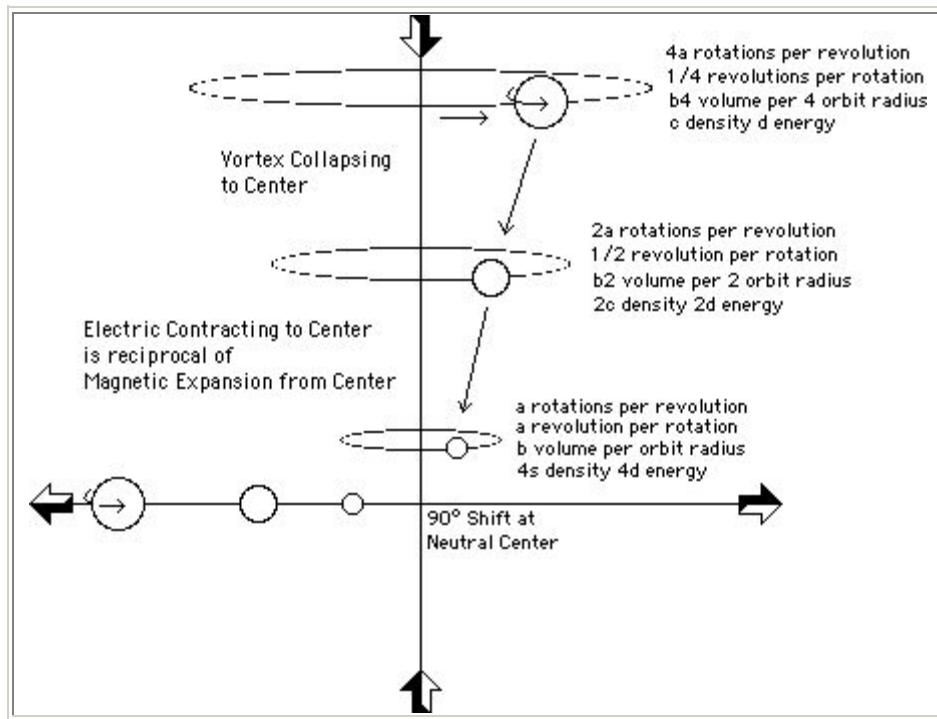
When two centers are sympathetic they form a unison - they vibrate as one. They are also mutually attracted to one another. There are two kinds of sympathy - negative attractive (female, magnetic) and positive propulsive (male, electric). Think in Russell terms here. The attractive sympathy reaches out (sympathetic outreach) for any harmonizing, coincident or sympathetic energy that can equate its longing for fulfillment (bring balance to its unbalanced state). The positive propulsion being also unbalanced and desiring balance offered by the negative attractive rushes in to complete the equation (voiding). Pure sex. From balance comes reproduction of the combination into a new form. Dalton's Law of the Triangle, etc., etc. *"This equalization [of polar forces] causes reproduction. The union of an action with its reaction is always followed by the reproduction of separate actions and reactions. These reproduced actions and reactions are rebounds of the union."* [[The Universal One](#), page 79]



**Figure 10.4 - Sympathetic Affinity/Attraction forming Vortex**

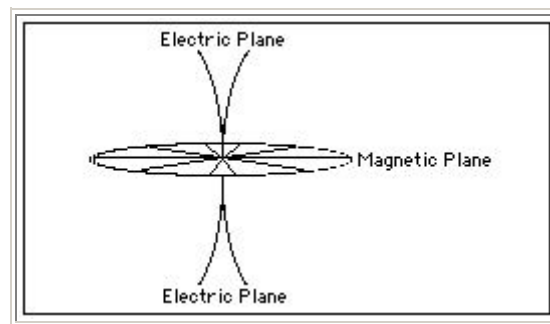
*"Another form of attraction is the magnetic flow. Magnetism has no outreach, as has sympathetic negative attraction. Magnetism is highly electrical, in fact, is born of electricity, whereas sympathetic negative attraction is not electrical. However, negative attraction displays a sympathetic outreach for magnetism. Sympathetic negative attraction reaches from planet to planet, but magnetism does not, for magnetism is static. Sympathetic negative attraction is born of the celestial and impregnates every mass in space, linking itself to all electrical and magnetic conditions and all spatial masses in turn are subservient to the celestial outreach. All the magnet's in the world no matter how differentiated could not induce rotation, but polar negative attraction induces rotation."*





**Figure 10.5 - Sympathetic Affinity increasing energy, decreasing diameter, increasing velocity and density.**

*"Both attraction and repulsion are exhibited by the action of the dual magnetic force. However, like or unlike magnetic poles become attractive when their frequency ratios become 33 1/3 of one against 100 of the other, simply by sympathetic resonant vibration." [Snell Manuscript]*



**Figure 10.6 - Electric Condensing Flows to Center and Magnetic Dispersive Plane away from Center**

This figure shows relativity between parameters and how they change from outer to inner locations.

These changes are the "Locked Potentials" referred to by Russell in *The Universal One*. The quantities of change (delta) are always fixed and proportional, obeying the Square Law and its inverse.

*"It was Keely's expectation that he would eventually be able, through use of his "infinite 9ths" a series of these intervals ranging up into the inaudible, and his 27 groups of depolar discs, to establish sympathetic affinity with pure polar negative attraction minus magnetism - a perfected vibratory circuit for producing commercial power." [The Snell Manuscript]*

### **10.13 - Sympathetic Negative Attraction**

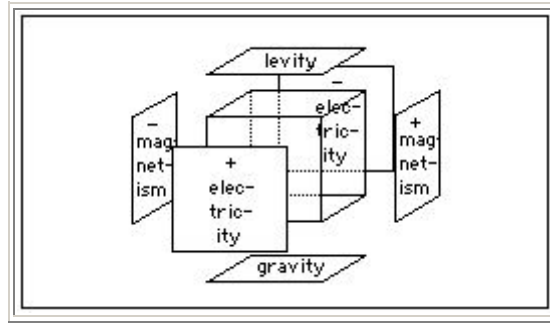
*"Sympathetic Negative Attraction is the same as cohesion: it is not the resultant of electrical sympathization, but it includes the full triune flow; the dominant being the leader and associate of the celestial. The sympathetic outreach, of negative attraction, is the power that holds the planetary masses in their orbital ranges of oscillatory action. Magnetism has no outreach, but it pervades all terrestrial masses - all planetary masses. It is highly electrical in its character, in fact magnetism is born of electricity; whereas negative attraction is not, but it has a sympathetic outreach for magnetism. Magnetism is static. Sympathetic negative attraction reaches from planet to planet; but electricity does not, nor does magnetism. Sympathetic negative attraction is born of the celestial, and impregnates every masses that floats in space: seeking out all magnetic or electric conditions; and all these masses are subservient to celestial outreach. All the magnets in the world could not induce rotation, no matter how differentiated, but polar negative attraction induces rotation." [Keely and His Discoveries]*

### **10.14 - Light & Heat**

*"Corpuscular activity represents the outflow of the ether from the luminiferous [Light realm] toward neutral centers of aggregation [matter] revealing the connecting link between mind and matter. This luminosity [light] has no thermal accompaniment, although, paradoxically, all thermal conditions [heat] emanate from etheric vibration. The tenuity [small size and dispersion] of the ether accounts for this. It is only when the streams come in contact with crude matter that heat is evolved from its latent state together with a different order [type] of light, from the luminiferous ether, the sun being the intermediate transmitter." [Keely and His Discoveries]*

*"The relative frequency of all sympathetic streams is in the ratio 3:6:9. Those whose relative frequencies are 3:9 are mutually attractive, while those having the relation of 6:9 are mutually repellant."*

*"I do not recognize light and heat as coming from the sun [as heat and light], for I have found both to be the emanations from atomic and inter-atomic interference when molecular vibration is induced by the [causitive actions of] "celestial attractive" through the medium of sympathetic etheric vibration. Physicists have not taken into consideration the sympathetic evolutions [effects caused by sympathetic chords] of Nature. They have been working in the wrong direction. I see nothing phenomenal in my explanation or theory, it only seems phenomenal to them from their theoretical view point of mechanical physics."*



**Figure 10.7 - Triple Planes relative to Center**

*"The attractive vibration of the solar sympathetic flow is "coincident to" and diverts, the terrestrial magnetic sympathetic flow. This force is the "celestial current", the prime third of the triune electric flow. This "celestial current" induces "aqueous disintegration" [vaporization] and "thermal concentration" [latent heat] which "two prime conductors" display a "coincident sympathetic chord" [harmony] with the "celestial current" [attractive solar flow]. "Aqueous disintegration" and "thermal concentration" are the link with the celestial [etheric dominant] without which there would exist nothing but a luminous radiance like the Aurora, a reaching out for concordance without an answering "sympathetic attractive diversion" to create "unstable equilibrium" of terrestrial magnetism, resulting in the [terrestrial] bipolar current. Were there no "aqueous disintegration" and "thermal concentration" to link the etheric dominant, the absence of the sun on one side would result in terrestrial magnetism and electricity remaining static or stable - the highest degree of chaos." [See [Russell's explanation how rotation creates "seeming order".](#)]*

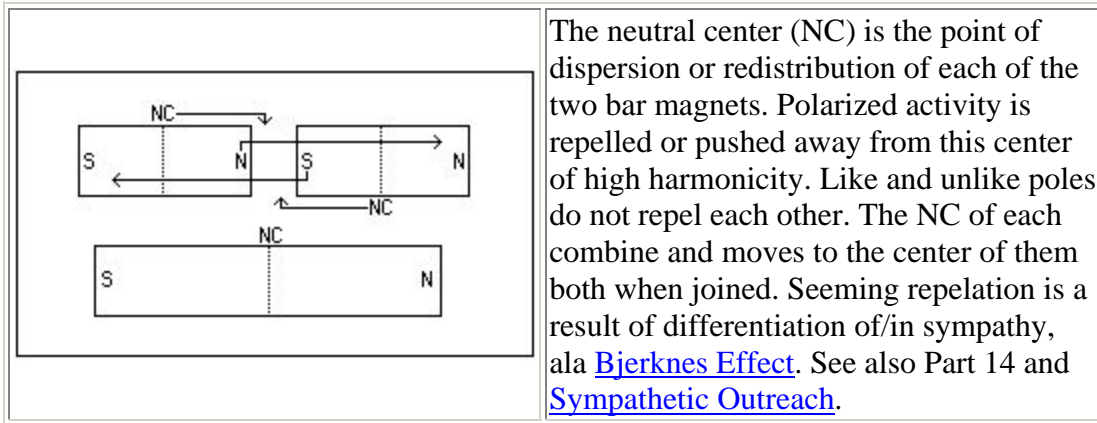
*"Disturbance of equilibrium" [creating imbalance] and "sympathetic equation" [creating balance] are the dual powers by means of which all forms of motion and of terrestrial life are governed. These two dual forces are in turn moved and regulated by electricity and magnetism."*

*"The sympathetic stream [light] from the sun to earth, by its positive and negative interchange [day & night] with the earth's neutral center, keeps intact the magnetic force in the "polar envelope" making this "polar envelope" a great magnet of itself." [The Snell Manuscript]*

### **10.15 - Magnetism**

*"In both electricity and magnetism there are the two opposite forces, the positive and the negative. In both, the two forces attract each other, and each repels its kind. **In electricity the two are never present in the same body.** In both there is between the two forces a "NEUTRAL FORCE," which places itself, in electricity, as a resistant wall between two opposing clouds, or a positive cloud and the magnetic earth. In a magnet, where **the two forces are always present actively in the one substance**, the neutral appears midway in*

*the substance; separating the two, and thus preventing their blending with and neutralizing each other. In the natural magnet the equator shows neither attraction nor repulsion, because the attractive power of each ingredient of the natural is rendered inoperative by the presence of the other. ("The True Science of Light," by Seth Pancoast, M.D.) [emphasis added]*



The neutral center (NC) is the point of dispersion or redistribution of each of the two bar magnets. Polarized activity is repelled or pushed away from this center of high harmonicity. Like and unlike poles do not repel each other. The NC of each combine and moves to the center of them both when joined. Seeming repulsion is a result of differentiation of/in sympathy, ala [Bjerknes Effect](#). See also Part 14 and [Sympathetic Outreach](#).

**Figure 10.8 - Bar Magnets shown separate then joined as one**

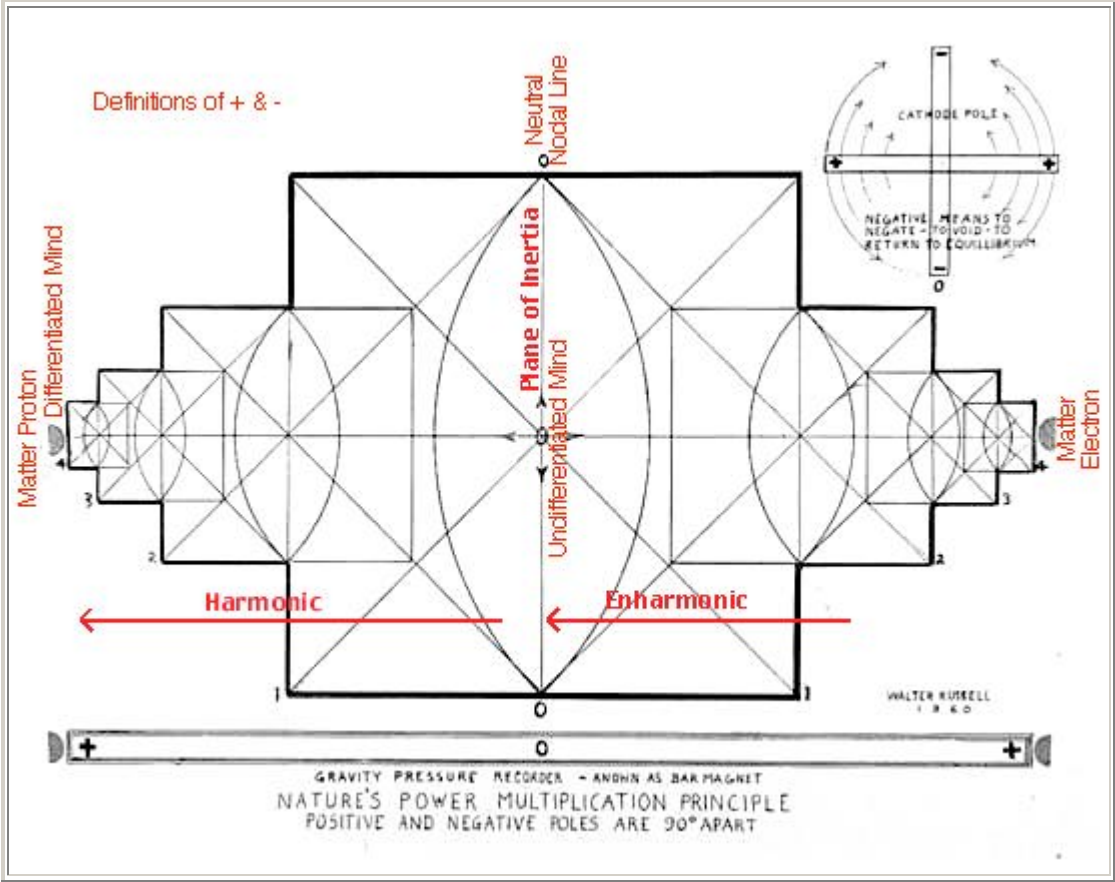


Figure 10.9 - Multiplying Force to Poles of a Bar Magnet  
(scan courtesy of [University of Science & Philosophy](#))

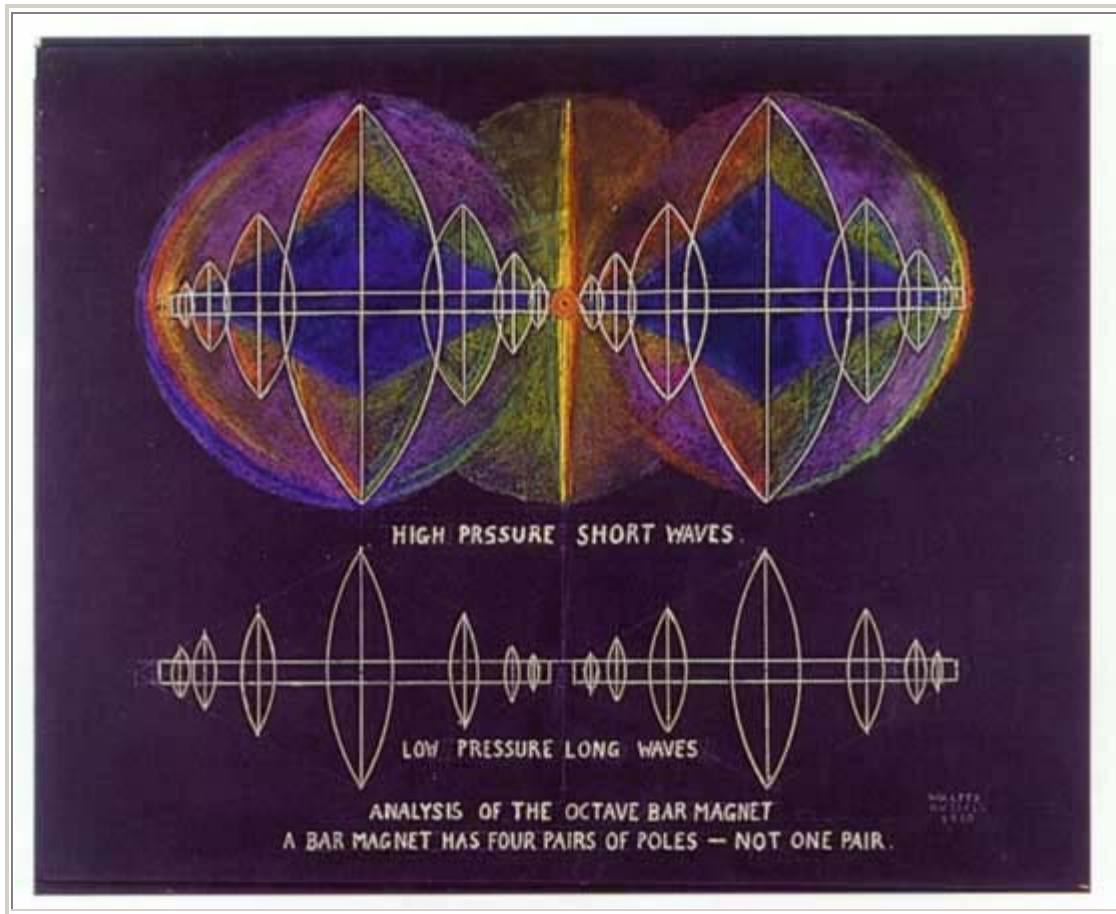


Figure 10.10 - Four Poles of a Bar Magnet  
(scan courtesy of [University of Science & Philosophy](#))

*"Magnetism is not polar negative attraction, any more than polar negative attraction is magnetism; for polar negative attraction shows positive sympathetic outreach, of a high order; which is a condition totally foreign to magnetism. Magnetism is static and has no outreach." [Keely and His Discoveries]*

*"The course of the magnetic flow comes under the "first interatomic" and as it is governed by the full harmonic chord, moves in straight lines, its sympathetic transmission free from molecular interference." [Free of molecular interference because it (the interatomic magnetic flow) is smaller than molecules and passes between them like wind through a screen.]*

*"A magnet does not induct magnetism in its keeper - this is merely sympathetic outreach of a very limited range."*



*"Magnetism is not associated with the neutral center. The neutral center represents only molecular focalization and redistribution, and is not directly associated with magnetism. However, when the "radiant" elements already generated are submitted to compound vibration of their mass thirds, rotation ceases and they become magnetic. That is, they cease their equatorial revolution and possibly circulate through meridian sectors of the envelope instead.*

***"Like poles do not repel each other, for there is "sympathetic equation" the same as in unlike poles. Like or unlike poles become attractive on a differentiation of 33 1/3 against 100 being established between them, and likewise become repellant on differentiating them 66 2/3 of the one against 100 of the other, simply by sympathetic resonant vibrations. [emphasis added]***

*"He [Keely] speaks of the magnet indicating the "dominant electric flow". The static position assumed by the magnetic needle proves the dominant to control the triple flow in the terrestrial magnetic envelope, the two other elements being obliged to coordinate themselves to it. By altering the dominant alone, that is, by changing intermittently its vibrations by "triple vibrations" antagonistic to its continuous flow (by interference) Keely secured rapid rotation of the magnetic needle. This periodic interference with the dominant, the controlling element, changes polarity and rotation follows. He thought the existence of the Polar Stream necessary to all life. This may possibly be shown by its necessity in crystallization. Keely proved to his own satisfaction that the magnetic element in the molecule contains the negative power through which it forms aggregates.*

*"The sympathetic stream between sun and earth, by its positive and negative interchange, keeps the magnetic force in the polar envelope intact, making this polar envelope a great magnet of itself.*

*"The "negative sympathetic portion" of the polar stream (having neutral affinity) is the magnetic flow proper and coincides sympathetically with the "second atomic flow".*

*"The time approaches when electric magnetic waves will be produced with an outreach of two feet, as powerful at that distance as is now shown when the keeper is almost touching the poles. These waves will demonstrate a radiating force too stupendous for measurement with present instruments." [\[The Snell Manuscript\]](#)*

## **10.16 - Electricity**

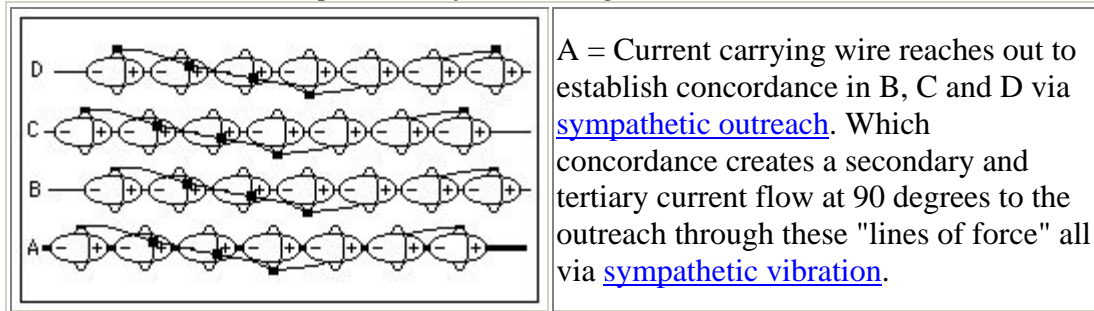
*"Electricity is the result of three differentiated sympathetic flows, brought together by combining the [centralizing] celestial flow with the [radiant] terrestrial flow through a certain degree of "negative attractive assimilation" [focalization to a center]. Electricity is one of Nature's efforts toward restoring "attractive differentiation" [polarity about a center] for it has the highest degree of assimilative affinity [mutual focalization]."*

*"All electrical action of any character is born sympathetically of the "polar harmonic current" by the "intervention" of the [etheric] dominant (celestial) as all sympathetic*

flows are triune. They achieve association only near the "junction of terrestrial interference". The great vacuous flow [outer space] between the planetary ranges [orbits] holds this portion of the etheric flow free from all antagonism [quiet, unpolarized] until the associative point is reached [junction of terrestrial interference], when instant electric evolution [sparks or current flow] occurs as the [etheric] dominant seeks its terrestrial negative attractive center. "This intervention" I call "atomic, intermolecular and molecular density". When the triune sympathetic stream combines with the same medium light and heat are evolved [manifested] as the resultant of these "corpuscular conflections" with the "sympathetic celestial" [etheric dominant] and "the focalized terrestrial centers" [polar terrestrial dualities] of "neutral radiation". Light is an etheric evolution propagated by "sympathetic conflict" [discord] between the "terrestrial" and "celestial" outflows - terrestrial condensation against solar tensions. True luminosity is induced in no other way. The solution of the mystery of light and heat, which are interchangeable and in a certain sense one and the same, is that the sympathetic etheric stream bombards the dense portion of the molecular [matter] in seeking the sympathetic-concordant-focalized-neutral-center of the mass, whether it be planetary or molecular. Light and heat can only be accounted for by considering sympathetic streams under high velocity as being interchangeable both to and from the focalized negative attractive centers [of matter]."

"The triple flow, or triune structure of any sound cannot be detected by the human ear, but since this also is a sympathetic flow, and likewise governed by the triune laws of sympathetic flows, it must correspond in having a threefold structure. If the sympathetic flow in acoustic vibratory transmission were not triune, polarity could not thereby be [inter]changed and rotation caused in the magnetic needle as demonstrated in Keely's experiments.

"When a chord is transmitted through the Trexar (Pt, Au & Ag wire), the molecular triple is carried along sympathetically in inducted differentiation and in turn excites high sympathy with the "polar terrestrial stream". The polar terrestrial stream is triune in character and requires a triune sympathizer, which is satisfied by the constitution of the Trexar. When this Trexar is properly sensitized by "any chord on the dominant" the sympathy [attraction] inducted by molecular differentiation approaches magnetism in character, but without the presence of actual magnetism.



**Figure 10.11 - Magnetic Lines of Force developed from induction of current flow**

*"He constructed instruments for the purpose of determining the triune vibratory nature and laws of the "polar terrestrial stream" in its sympathetic association with the [etheric] "celestial stream" - the "luminiferous track" or "compound etheric field". He thought the polar stream or "magnetic electric terrestrial envelope" with its "high vitality" to be necessary to the existence of all organisms." [The Snell Manuscript]*

*"There are three kinds of electricity, the harmonic and enharmonic, which, with their leader, the dominant, form the first triple. Their sympathetic associations evolve the energy of matter. The dominant is electricity luminous, or propulsive positive. The harmonic, or the magnetic, which is the attractive, with its wonderful sympathetic outreach, is the negative current of the triune stream. The enharmonic, or right neutral, acts as the assimilative towards the reinstatement of sympathetic disturbance. In electric lighting, the velocity of the dynamos accumulates only the harmonic current - by atomic and inter-atomic conflict - transferring one two hundred thousandth of the light that the dominant current would give, if it were possible to construct a device whereby it could be concentrated and dispersed. But this supreme portion can never be handled by any finite mode. Each of these currents has its triple flow, representing the true lines of the sympathetic forces that are constantly assimilating with the polar terrestrial envelope. The rotation of the earth is one of the exciters that disturbs the equilibrium of these sensitive streams. The alternate light [day] and darkness [night] induced by this motion helps to keep up the activity of these streams, and the consequent assimilation and dissimilation. The [day] light zone being ever followed by the [night] dark zone, holds the sympathetic polar wave constant in its fluctuation. This fact may be looked upon as the foundation of the fable that the world rests upon a tortoise. The rotation of the earth is controlled and continued by the action of the positive and negative sympathetic celestial streams. Its pure and steady motion, so free from intermitting impulses, is governed to the most minute mathematical nicety by the mobility of the aqueous portion of its structure, i.e., its oceans and ocean's anastomosis. There is said to be a grain of truth in the wildest fable, and herein we have the elephant that the tortoise stands on. The fixed gravital centres of neutrality, the sympathetic concordants to the celestial outreach, that exist in the inter-atomic position, are the connective sympathetic links whereby the terrestrial is held in independent suspension. We cannot say that this corresponds to what the elephant stands upon, but we can say, "This is the power whereby the elephant is sympathetically suspended." [Keely and His Discoveries]*

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*"A truth's initial commotion is directly proportional to how deeply the lie was believed. It wasn't the world being round that agitated people, but that the world wasn't flat. When a well-packaged web of lies has been*

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*sold gradually to the masses over generations,  
the truth will seem utterly preposterous and its  
speaker a raving lunatic."*

~~~**Dresden James**

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Sympathetic Vibratory Physics - *Universal Cosmology*

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# What Vibration Is

*"To know the mechanics of the wave is to know the entire secret of Nature."* Walter  
Russell

## **9.1 - Conventional View**

That Keely, Russell and Tesla knew basic natural laws and principles that we do not is a given. After more than twenty years of investigating their works it is obvious (to me at least) that one of many elements they understood one way and we another is the nature, structure and dynamics of vibration and oscillation (or "wave" as Russell termed it). All three of these men worked with the same theory of vibratory dynamics which is not the same as our conventional and accepted theory and view. With an understanding of their view of these dynamics much of their work becomes not only understandable but also reproducible. The mystery surrounding their work disappears and new possibilities open up for our own enjoyment and work.



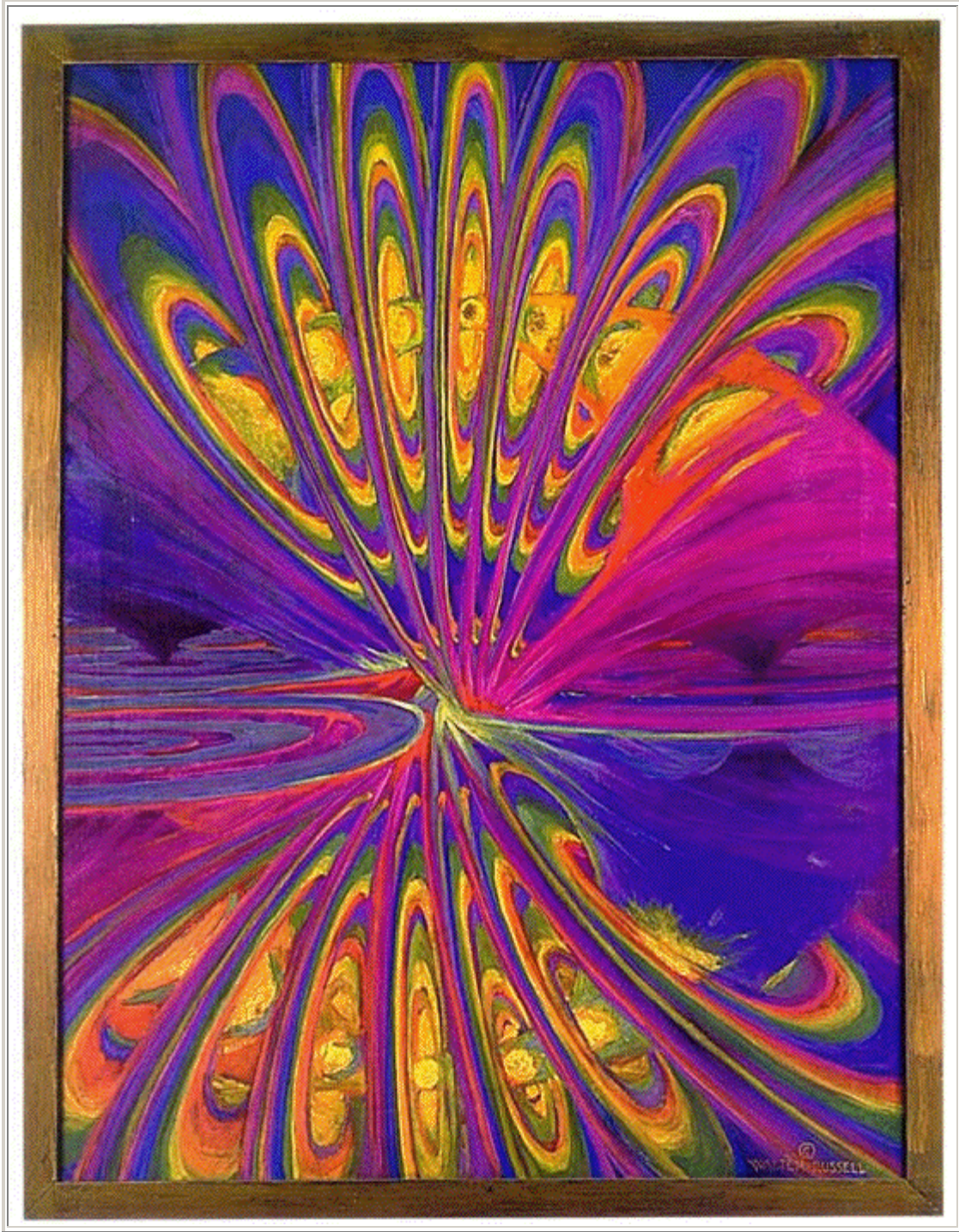


Figure 9.1 - Russell's Painting of Wave Form Dynamics  
(scan courtesy of [University of Science & Philosophy](#))

This paper endeavors to explain their combined theories of vibration and oscillation as simply as possible without going into too much detail as to dynamics, etc. which may be

presented in a later paper. The term wave will be used as a neutral general term since vibration and oscillation differ in definition, form and function from each other.

The single largest discrepancy between orthodox understandings and the SVP understanding is one of cause and effect. Orthodoxy views vibration primarily as a result of outside physical forces - a moving to and fro - while SVP views vibration as an effect of primary (causitive) laws creating and governing rhythmic or periodic interexchanges of state, acting from within.

## Oscillation and Vibration

Dale Pond © 02/12/06

Keely distinguished between "vibration" and "oscillation" as being two distinctly different *types* of motion. Few, if any, have recognized or acknowledged this difference in their studies of Keely's work. This point is evident within his laws wherein, for instance, a law was specified for Corporeal Vibrations and another law for Corporeal Oscillations. The same was done with Vibrating Atomic Substances and Oscillating Atomic Substances.

According to Keely's own definitions of these two terms:

*"Oscillation is a rhythmically recurring translatory movement."* [Keely]

*"Vibration is the rhythmical motion of a body within itself."* [Keely]

As we can see these two definitions are quite different from modern definitions wherein no distinction is made between these two motions and are considered as the same type of motion:

oscillation

1 : the action or state of oscillating

2 : VARIATION, FLUCTUATION

3 : a flow of electricity changing periodically from a maximum to a minimum; especially : a flow periodically changing direction

4 : a single swing (as of an oscillating body) from one extreme limit to the other. [Meriam Webster Collegiate Dictionary]

vibration

The act of moving to and fro. [Compendium of Noise Engineering - Part I]

Some may claim this distinction is trivial but it is not as the CAUSE of vibration is different from the CAUSE of oscillation. Hence EFFECTS of these CAUSES results in different manifestations; i.e., vibration or oscillation.

For instance, a simple illustration is a child on a swing. The swinging back and forth (translation or "*rhythmically recurring translatory movement*" from one position to another) is rightfully termed an oscillation. At the same time the child's heart is vibrating within the oscillating body. The heart may also be

considered to be oscillating along with, the same as, sympathetically or concurrently with the oscillations of the body as a whole. But the swinging motion is NOT a vibration. If the swinging were to stop the oscillation of the body would cease but the vibration of the heart would continue.

In this case vibration and oscillation are not coupled or locked together. In another example, that of a violin, they would be coupled. As a string is caused to oscillate the body of the violin vibrates correspondingly. Another example of coupled motions is that of planets orbiting (oscillating) around the Sun while rotating (vibrating) on their axis.

Below are Keely's laws that clearly show this distinction:

**Law of Corporeal Vibrations**

"All coherent aggregates when isolated from like bodies, or when immersed or confined in media composed of matter in a different state, vibrate at a given ascertainable pitch." Keely

**Law of Corporeal Oscillations**

"All coherent aggregates not isolated from like bodies, oscillate at a period-frequency varying with the tensions that augment and diminish the state of equilibrium." Keely

**Law of Harmonic Vibrations**

"All coherent aggregates are perpetually vibrating at a period-frequency corresponding to some harmonic ratio of the fundamental pitch of the vibrating body; this pitch is a multiple of the pitch of the atomole." Keely

**Law of Sympathetic Oscillation**

"Coherent aggregates immersed in a medium pulsating at their natural pitch simultaneously oscillate with the same frequency, whether the pitch of the medium be a unison, or any harmonic of the fundamental pitch of the creative aggregate." Keely

**Law of Oscillating Atomic Substances**

"Coherent atomic substances are capable of oscillating at a pitch varying directly as the density, and inversely as the linear dimensions from one period of frequency per unit of time to the 21st octave above, producing the creative force of Sonity, whose transmissive force (Sound) is propagated through the media of solids, liquids, and gases, and whose static effect (Sonism) produces attractions and repulsions between sympathetically vibrating bodies according to the Law of Harmonic Attraction and Repulsion." Keely

**Law of Vibrating Atomolic Substances**

"Atoms are capable of vibrating within themselves at a pitch inversely as the Dyne (the local coefficient of Gravity), and as the atomic volume, directly as the



atomic weight, producing the creative force (Electricity), whose transmissive force is propagated through atomolic solids, liquids, and gases, producing induction and the static effect of magnetism upon other atoms of attraction or repulsion, according to the Law of Harmonic Attraction and Repulsion.

Scholium: The phenomenon of Dynamic Electricity through a metallic conductor and of induction are identical. In a metallic conductor, the transmission is from atom to atom, through homologous interstices, filled with ether, presenting small areas in close proximity. In crystalline structures, heat, which expands the atoms, by twisting them produces striae, increases the resistance, etc. Between parallel wires and through air the induction takes place from large areas through a rarefied medium composed of a mixture of substances, whose atoms are separated by waves of repulsion of various pitches, discordant to electric vibrations; the said atoms sympathetically absorb the vibrations and dissipate from themselves, as centers, concentric waves of electric energy which produces heat and gravism." Keely

### Effects from Oscillation

"In one experiment in liberating ozone by molecular percussion, including luminosity, a percussive molecular force of 110,000 lbs. per square inch was registered on the testing lever. This enormous pressure caused the heavy steel parts to so bend and bulge that the instrument was at that time unfitted for further experiments and had to be repaired.

"The [etheric] vapor from the liberator registers 20,000 lbs. per square inch when the rotary atomic oscillation is  $1333 \frac{1}{3}$  times the normal diameter of the atmospheric molecule. At

20,000 lbs. when the range is  $1333 \frac{1}{3}$  x normal diameter of atmospheric molecule

10,000 lbs. when the range is  $666 \frac{2}{3}$  x normal diameter of atmospheric molecule

5,000 lbs. when the range is  $333 \frac{1}{3}$  x normal diameter of atmospheric molecule

2,500 lbs. when the range is  $166 \frac{2}{3}$  x normal diameter of atmospheric molecule

1,250 lbs. when the range is  $83 \frac{1}{3}$  x normal diameter of atmospheric molecule

625 lbs. when the range is  $41 \frac{2}{3}$  x normal diameter of atmospheric molecule

being normal at the commencement of the experiment, in other words, with no vacuum or pressure in the sphere." [[Snell Manuscript](#)]

Figure 9.2 - Vibration vs Oscillation

## 9.2 - Conventional View of Wave Motion

The orthodox view of a wave and wave motion is centered around a sine-wave or similar configuration. In general this wave model is a measurement of a quantity and/or polarity of energy or power (amplitude), viewed over time. Empirical measurements have been made of power fluctuations over time and a plotting of these measurements creates the typical sine wave form.

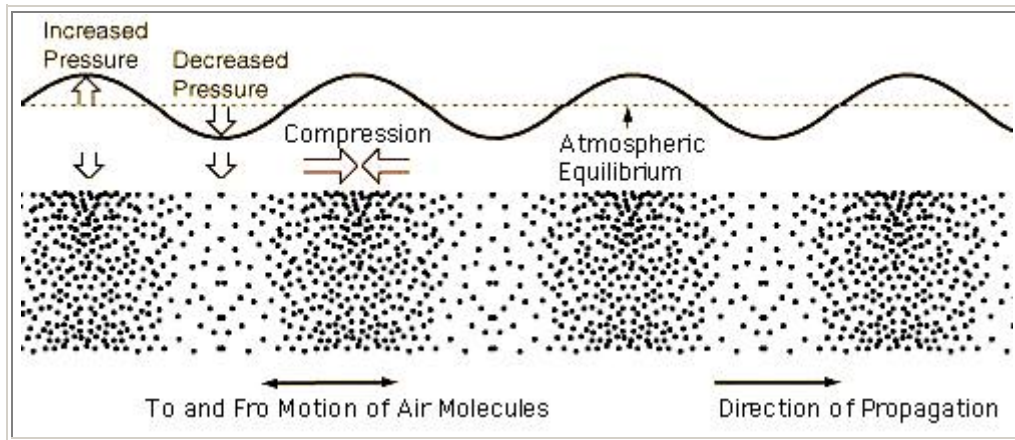


Figure 9.3 - Compression Wave

Conventionally are recognized several wave forms: Compression (which acts as a Longitudinal Wave), Transverse Wave ( $90^\circ$  to the Longitudinal Wave) and Raleigh Wave (circular motion  $90^\circ$  to the previous two). Other models of wave activity include the use of metaphors such as coiled springs that compress and expand, pendulums swinging to and fro and various oscillating bodies such as seesaws and water waves.

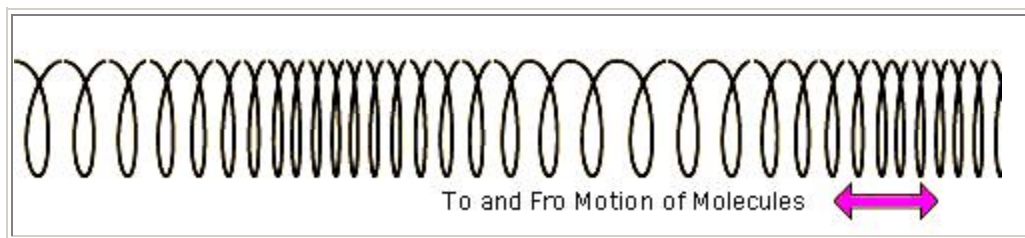


Figure 9.4 - Longitudinal Wave

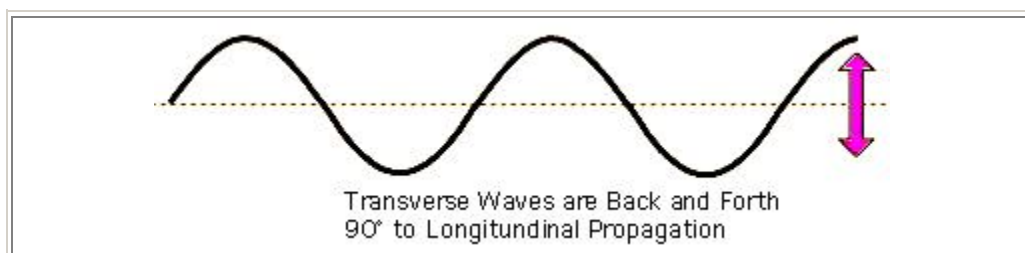


Figure 9.5 - Transverse Wave

**9.3 - Wave Motions** - The mathematical models of these perceived motions are descriptions of those motions having little if anything to do with WHAT the wave is; HOW it moves and WHY. These models demonstrate the effects of periodic motion while the cause goes mostly unnoticed if at all.

In the conventional view, there are two aspects or phases of a wave considered merely as positive and negative polar phases. These may be modified as to power, envelope, attack, suspension (sustain) and decay elements as the waveform becomes more complex. We also know complex waveforms are composite constructs of numerous aliquot parts of partials, harmonics and overtones of the fundamental. These aliquot parts include secondary and tertiary (or more) summation and difference tones resulting in a complex waveform.

Conventionally a sound wave is considered as a compression wave whose activity is usually likened to a periodically compressed and stretched coiled spring and/or swinging pendulum. This is a mechanical force against force model. This model is predicated on the idea of an outside sound source compressing a medium by molecular bombardment; or as molecules set in motion, striking another molecule repeatedly much like billiard balls. After the strike comes an alternate relaxing or expanding of the media to a state of rarefaction - of a less dense or compacted state or condition.

While orthodox waveform models demonstrate the effects of periodic motion as a measurement they convey little if anything about WHAT a wave is, WHY it is what it is - and HOW it does what it does. SVP deals with causes which bring about periodic rhythmic motions, being themselves effects of more primitive causes.

**9.4 - Elements of the SVP Model** - SVP recognizes the previously mentioned wave forms but not as a priori or causative factors but as measurements of effects. More on the SVP view can be studied in my book [The Physics of Love](#).

In the SVP view a wave is more complex, being composed of several seemingly discrete parts or functions acting as one composite complex function. A wave is a highly complex continuous reciprocating interexchange from one primary state or condition to an opposite state or condition. These two phases are a reciprocating interexchange between integration and disintegration. In short a wave is a periodic change from a state or condition of harmony (attraction/contraction) to a state or condition of discord (repulsion/expansion). This periodic change of state is caused by and is the effect of the contained relative and proportional values of the aliquot parts of the vibrating or oscillating body or aggregate.

A vibration is the complex motions and states associated with internal rotation, spin and associated rhythmic changes of state. In this discussion vibration is the same as spin or rotation.

An oscillation is the complex motions and states associated with external rotation, spin and associated rhythmic changes of state. In this discussion oscillation is the same as orbit or revolution.

These changes of state are dual in nature. For each there is an opposite. An increase in one is a decrease in the other - always reciprocating. As frequency, for instance increases wavelength decreases. This reciprocating attribute is axiomatic. There are several of these attributes or aspects that occur concurrently, phasing in and out of each other during the completion of a wave cycle. A wave then is the combination of all of these interchanges happening all at once.

Perhaps the easiest way to visualize this complex interchange is to conceive of a primary duality as a planet in elliptical orbit or revolution about a center, its primary point of focus. This orbital revolution should be seen as two distinct condition changes completing a single orbit. At its point of furthest distance the planet is orbiting at its slowest speed and spinning at its fastest speed. At its point of closest approximation the planet is orbiting at its fastest speed and spinning at slowest speed. [Russell refers](#) to this complex change of state as "winding speed into power".

All particles, in whatever vibrating or oscillating medium, are performing the exact same polar interexchanges however their rates of interexchange may differ. These swappings of speed for power are not the only interexchanges. Below is a list of dual experiences, states or conditions (synonyms). All of which are periodic and reciprocal interexchanges. Some of these are from Russell's book *Genero-Radiative Concept* (also [The Universal One](#)) and a few synonyms I've added in that reflect more of Keely's vocabulary.

## Polar States Correspondence List

POSITIVE

NEGATIVE

|                |                |
|----------------|----------------|
| Point          | Circumference  |
| Gravitation    | Radiation      |
| Centralizing   | Decentralizing |
| Center seeking | Center fleeing |
| Concordant     | Discordant     |
| Harmonic       | Enharmonic     |
| Assimilation   | Dispersion     |
| Tight          | Loose          |
| Polar          | Depolar        |
| Male           | Female         |
| Red            | Blue           |
| Attractive     | Repulsive      |
| Terrestrial    | Celestial      |
| Earth          | Heaven         |

|                      |                      |
|----------------------|----------------------|
| Order                | Chaos                |
| Association          | Dissociation         |
| Appearance           | Disappearance        |
| Positive             | Negative             |
| Decreasing volume    | Increasing volume    |
| Generating           | Degenerating         |
| Inhalation           | Exhalation           |
| Genero-active        | Radio-active         |
| Endothermic          | Exothermic           |
| Integrating          | Disintegrating       |
| Distinctness         | Nebulousness         |
| Composing            | Decomposing          |
| Induction            | Conduction           |
| Accumulating         | Dissipating          |
| Charging             | Discharging          |
| Assembling           | Distributing         |
| Attracting           | Repulsing            |
| Absorbing            | Emanating            |
| High melting point   | Low melting point    |
| Contracting          | Expanding            |
| Rising potential     | Lowering potential   |
| Condensation         | Ionization           |
| Cooling              | Heating              |
| High pressure        | Low pressure         |
| Centripetal          | Centrifugal          |
| Plus                 | Minus                |
| Freezing             | Melting              |
| Hardness             | Softness             |
| Solidity             | Tenuity              |
| Slow rotation (spin) | Fast rotation (spin) |
| Slow spin            | Fast spin            |
| Fast revolution      | Slow revolution      |
| Fast orbit           | Slow orbit           |
| Density              | Evaporization        |
| Massive              | Tenuous              |

|             |                  |
|-------------|------------------|
| Storing     | Leaking          |
| Solution    | Dissolution      |
| Affinity    | Disunity         |
| Sympathetic | Anti-sympathetic |

Figure 9.6 - Polar States or Conditions

**9.5 - Law of Couples** - "Body and spirit, one at the fountain-head, when rising into existence, form, as it were, the first breath of creation; for, as Sir Wm. Thompson says: *"Life proceeds from life and from nothing else."* They are the opposite poles of being and constitute the two principles by the harmonious interweaving of which the beautiful system of creation is constituted, and its economy worked out. Such a view, far from being contrary to the canons of science, is even the necessary complement of science. That unity, which is the last word of science, must always include two objects, existing in contrast of all. *The law of couples, of opposites, of reciprocal action between two contracted yet homogeneous and harmonizing elements, each of which opens a field for the other, and brings it into action, is of universal extent. In the organic world, also, no less than in the purely physical and chemical, all is framed according to the same law of couples. In the sphere of sensibility, in like manner, everything turns on the antagonism of pleasure and pain, and in the moral sphere of good and evil. Nor is the world of pure intellect exempt from this law, but on the contrary displays its influence everywhere. Hence faith and sight, identity and difference, finite and infinite, objective and subjective, space and time, cause and effect, the world of realities and the world of ideas. In a word, every system of thought and of things, when complete, present as its basis two co-ordinate elements, the reciprocals of each other; or one parted into two reciprocally, and by the harmonious antagonism of both the beautiful web of nature is woven. If we are to be consistent, mind and matter ought always to be viewed as distinct, and the opposite poles of being; inertia, or unvarying submissiveness to the laws of motion being the characteristic of the one; self-directive power the characteristic of the other.*" [MacVicar, [A Sketch of a Philosophy](#)]

The universal analogy of science sanctioned MacVicar in the characteristic he thus arrived at as that of animated nature, for if inertia, or the obedience to pressures and impulses from without, be the characteristic of matter, then that which is needed as the other term to complete the couple is just what has been insisted on, viz., self-directive power, the power to cause pressure and impulses. Here is shown the symmetrical relation in which this power, when viewed as the characteristic of the whole animal kingdom (which plainly points to man, and culminates in human nature), places the animal in relation with the vegetable and the mineral kingdoms. Of mineral or crystals, the characteristic is simply self-imposing or self-manifesting power. They are, so to speak, merely insoluble seeds without an embryo. To this, self-developing power is added in plants, and forms their acknowledged characteristic. While of animals the characteristic, according to the view here advanced (the same seed-producing, self-developing, powers continuing) is self-directive power superadded. This relationship between these three kingdoms of nature is as homogeneous and symmetrical as is necessary to appear to be legitimate, and is a true expression of the other of nature.

Granting these two principles, the inert and the self-directive, the necessary and the free, we obtain the materials for a universe, without disputing the fact of human liberty and bringing into suspicion even the possibility either of morality or immorality. If man be really free as well as under law, in this union of body and spirit, then in human nature heaven and earth truly embrace each other; and no reason appears why, as the ages roll on, our own free thought may not have the run of universe. . . . *What study then can be more replete with interest, what researches can possess more of fascination, than those which Mr. Keely's discoveries are preparing the way for?* [[Keely and His Discoveries](#), Chapter X]

## **9.6 - Polar States**

It has been known since the late 1800s that bodies or aggregates in periodic harmonic motion are mutually attracted to one another. Conversely, bodies in aperiodic or discordant motion are mutually repelled. [Bjerknes demonstrated](#) this phenomena at the Paris Electrical Exhibition in 1881. Keely, a few years later in 1894, published his laws describing this phenomena with the Laws of Attraction and Repulsion.

## **9.7 - Attraction**

**9.8 - Law of Attraction:** *"Juxtaposed coherent aggregates vibrating in unison, or harmonic ratio, are mutually attracted."*

Bodies or aggregates vibrating in unison or simple multiples of unison are said to be harmonic or sympathetic to one another. Bodies vibrating or oscillating in harmony will aggregate thus forming larger bodies. This mutual aggregation, accumulation or gathering together is caused by action of Keely's law of sympathetic association(qv) or simply the Law of Affinity(ies). The greater the degree of harmony the greater will be the attraction (affinity) between bodies or aggregates.

In a complex molecular structure and its vibration signature are many diverse discrete frequencies (aliquot parts) originating from its constituent atoms and their subatomic components. Each discrete entity will have its own fundamental frequency and signature. The more of these discrete signature frequencies harmonize with those of another molecule and its constituent parts the stronger will be the attraction and bonds between molecules and their constituent parts.

Molecules may not at times have unison or multiples of unison relations between fundamentals but may have harmony between frequencies of their constituent atoms. In such a case there will be atomic attraction and perhaps bonding but not molecular attraction and bonding. This same interstitial bonding may occur on other levels of the molecule's atoms and sub-components. In this event the attraction will be between atoms (atomic attraction) and/or between subatomic particles being a quantum attraction or as Keely called it - "interatomic attraction". This same principle holds for sub-quantum centers which Keely called etheric attraction or etheric sympathy.



During the contraction and attraction phase energy increases, range of orbital motion decreases, spin decreases and density of the medium increases, among other attributes. See left-hand column in [Polar States Table](#).

## **9.9 - Repulsion**

**9.10 - Law of Repulsion:** *"Juxtaposed coherent aggregates vibrating in discord are mutually repelled."*

When discord exists between vibrations of bodies or aggregates a mutual expansion or repulsion occurs whether on the molecular, atomic, subatomic or etheric levels. Repulsion may occur on molecular, atomic or subatomic levels just as attraction as related above.

During the expansion and repulsion phase energy decreases, range of orbital motion increases, spin increases and density of the medium decreases, among other attributes. See right-hand column in [Polar States Table](#).

Vibration then is a periodic change from a state or condition of concord (contraction) to a state or condition of discord (expansion). These two states or conditions are 1) contraction or attraction (to a center) and 2) expansion or repulsion (away from a center) caused by relative harmony or discord from within the vibrating aggregate.

A "body" is a tightly bound aggregate of its constituent parts just as a gas is a loosely bound aggregate composed of particles or bodies maintained in a tenuous manner. The only difference between a "solid" body and a tenuous gas is the degree of harmonic coherence or attraction/repulsion between the discrete bodies of that gas. There is a preponderance of harmonic attraction in a "solid" body while there is a preponderance of inharmonic repulsion in a tenuous gas.



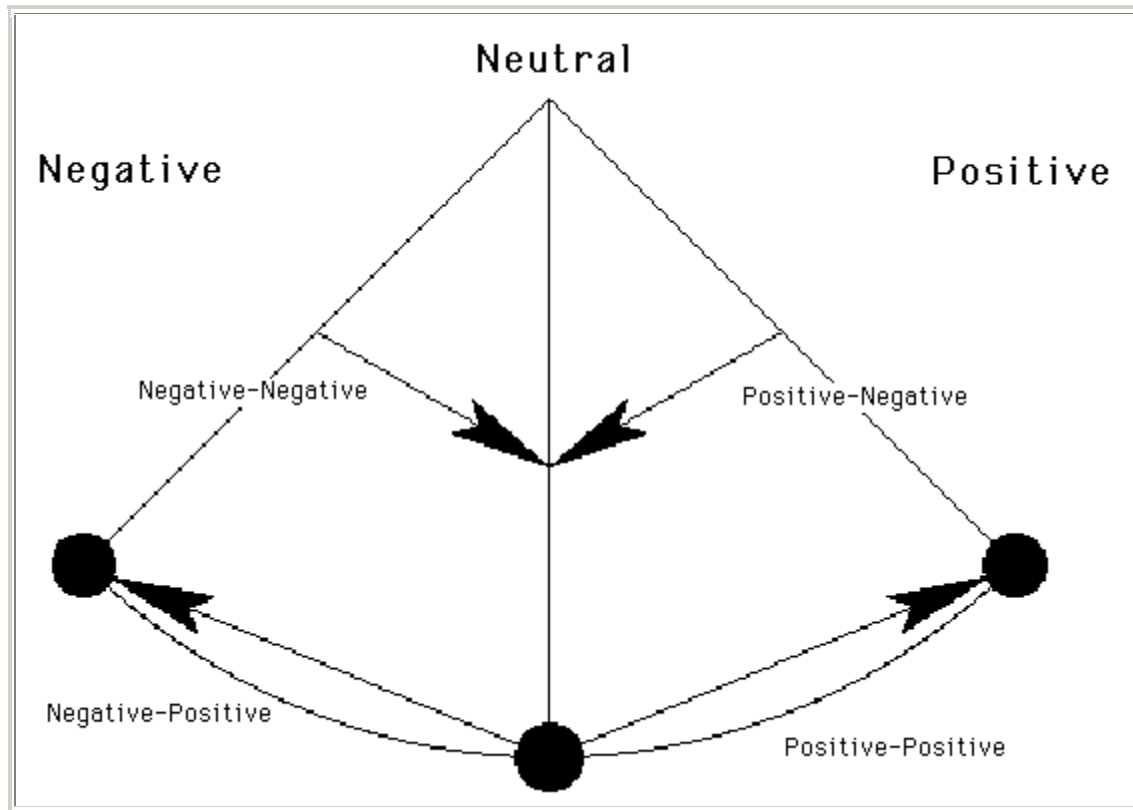


Figure 9.7 - Four Fundamental Motions of a Pendulum

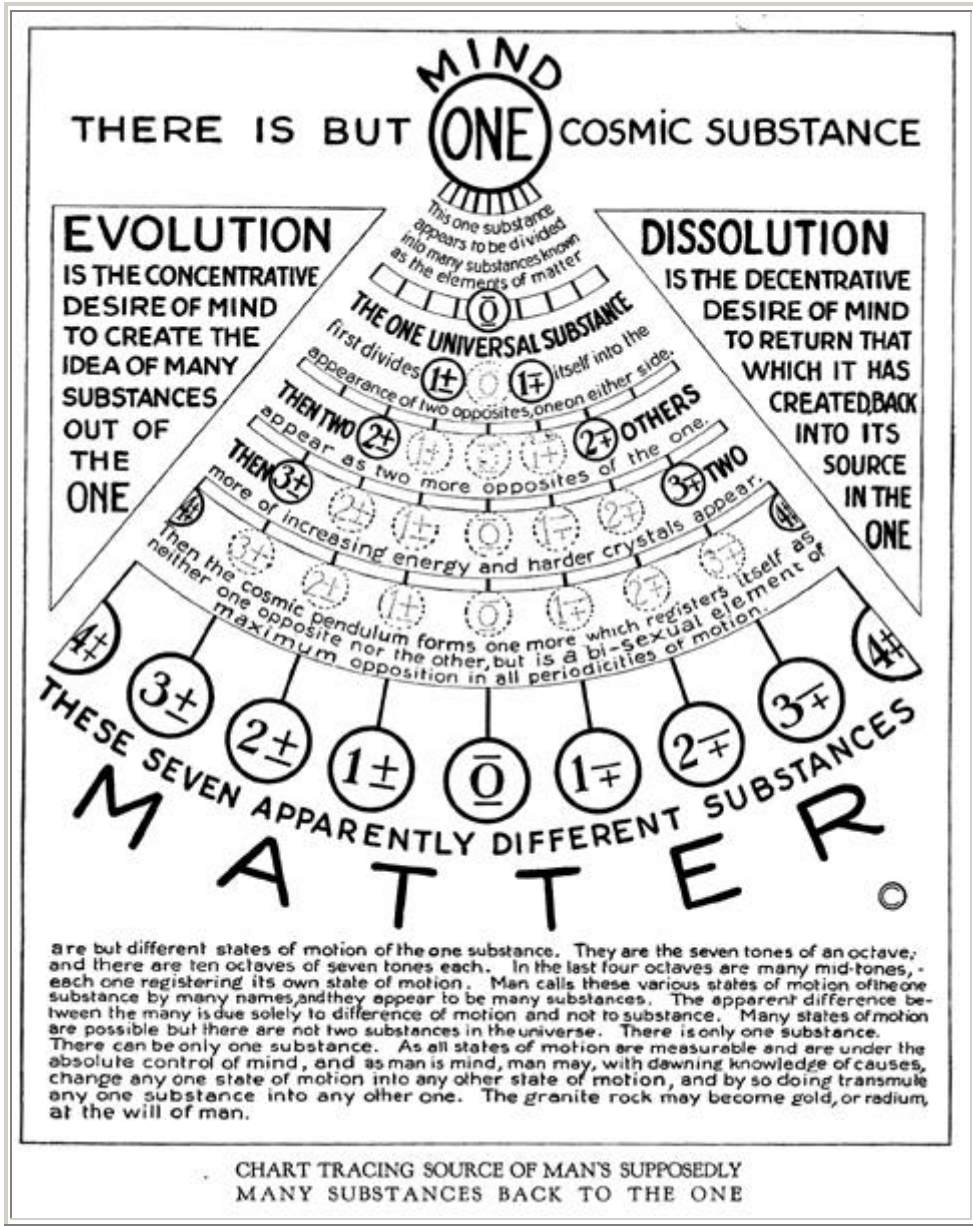


Figure 9.8 - Each Phase of a Wave as Discrete Steps Originating from Neutral Center (courtesy [University of Science and Philosophy](http://University of Science and Philosophy))



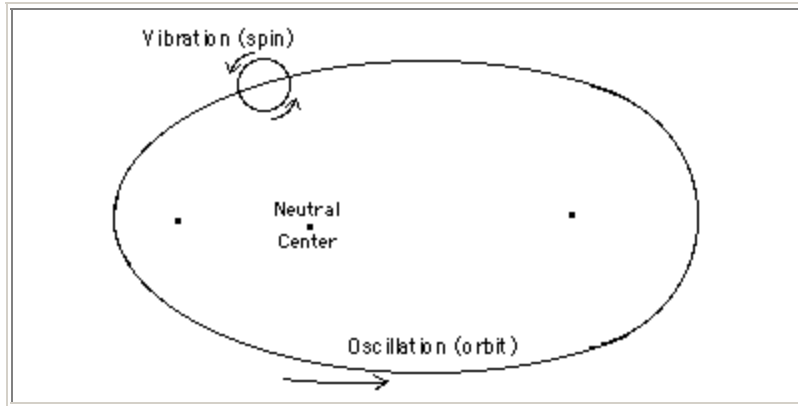


Figure 9.10 - Vibratory and Oscillatory Motions

### 9.12 - Vibration

All individual bodies or aggregates vibrate within themselves creating, according to law, a complex vibration signature or chord or waveform composed of multiple discrete rates of vibration or aliquot parts.

**9.13 - Law of Corporeal Vibration:** *"All coherent aggregates when isolated from like bodies, or when immersed or confined in media composed of matter in a different state, vibrate at a given ascertainable pitch."* Keely, 1894

**9.14 - Law of Harmonic Vibrations:** *"All coherent aggregates are perpetually vibrating at a period-frequency corresponding to some harmonic ratio of the fundamental pitch of the vibrating body; this pitch is a multiple of the pitch of the atomole."* Keely, 1894  
 [atomole = discrete unit, quantity or quantum of focalized or centralized vibration. Etymology breaks atomole in "unit of power".]

### 9.15 - Oscillation

All individual and vibrating bodies or aggregates oscillate about a center creating, according to law, a complex oscillation signature or chord or waveform composed of multiple discrete rates of oscillation or aliquot parts.

**9.16 - Law of Corporeal Oscillations:** *"All coherent aggregates not isolated from like bodies, oscillate at a period-frequency varying with the tensions that augment and diminish the state of equilibrium."* Keely, 1894

**9.17 - Law of Sympathetic Oscillation:** *"Coherent aggregates immersed in a medium pulsating at their natural pitch simultaneously oscillate with the same frequency, whether the pitch of the medium be a unison, or any harmonic of the fundamental pitch of the creative aggregate."* Keely, 1894

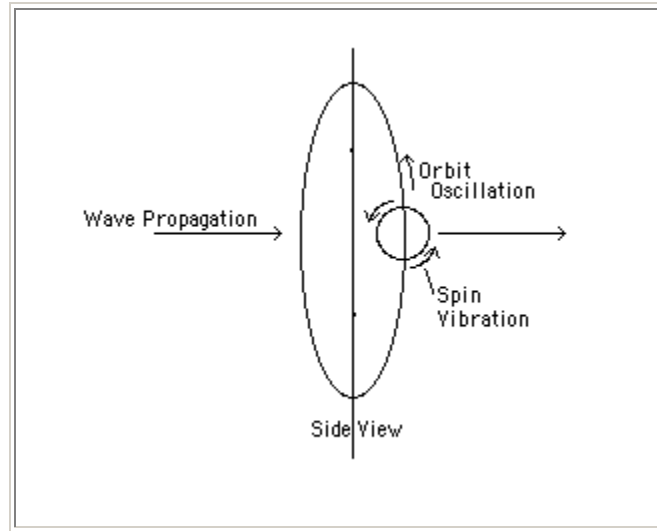


Figure 9.11 - Vibratory and Oscillatory Motions, side view

### 9.18 - Signature/Chord

All vibrating and oscillating bodies possess a signature or complex series of sub and super harmonics or partials. These sets of relative frequencies (constituting its vibration signature) are developed according to law (addition, subtraction, multiplication and division) and are of two basic types of seemingly of opposite qualities - harmonic (concordant) and inharmonic (discordant). When harmonics are thusly derived from arithmetical methods they are called Summation Tones and Difference Tones. Other Resultant Tones or harmonics derived arithmetically are "multiples" (times two, squaring) and divisions or halves (divided by two, square root). Because these signatures are created and governed by basic laws of arithmetic they are not accidental or by happenstance.(4) Keely used the term chord in place of our use of the term vibration signature. For indeed a collection of relative frequencies or pitches is a chord of discrete tones or aliquot parts making up a compound sound or complex waveform.

Chord: Three or more tones sounded together.

Signature: Term usually applied to the vibration frequency spectrum.

### 9.19 - Harmonically created signature/chord -

**9.20 - Law of Harmonic Pitch** - *"Any aggregate in a state of vibration develops in addition to its fundamental pitch a series of vibration in symmetrical sub-multiple portions of itself, bearing ratios of one, two, three, or more times its fundamental pitch."*  
Keely, 1894

### 9.21 - Inharmonically created signature/chord -

**9.22 - Law of Cycles** - *"Coherent aggregates harmonically united constitute centers of vibration bearing relation to the fundamental pitch not multiples of the harmonic pitch,*

*and the production of secondary unisons between themselves generate pitches that are discords, either in their unisons, or overtones with the original pitch; from harmony is generated discord, the inevitable cause of perpetual transformation." Keely, 1894*

A body or aggregate has simultaneously both states or conditions of concord and discord. What determines the overall condition of concord or discord is the preponderance of one or the other state. A center may have preponderantly more harmony than discord or more preponderantly more discord than harmony within its signature or chord of vibration. Which is to say a relationship between the notes or discrete aliquot parts of that chord or signature. These relationships between parts or notes of a chord are governed by rules and laws as are found in music theory. These rules and laws of music theory are not part of this paper.

When these states are in balance the vibration signature or chord is said to be in equilibrium wherein an equation of vibratory or oscillatory forces is established. During such an equation of polar force the net result is said to be neutral but should not be considered as having a null or zero value. When not in balance a preponderance exists either positive (contracting to center) or negative (radiating from center).

### **9.23 - Acoustic Forces**

Keely recognized three discrete yet interconnected and inseparable activities of every sound vibration or oscillation. He documented this view in his

**9.24 - Law of Force** - *"Energy manifests itself in three forms: Creative, the vibrating aggregate; Transmissive, being the propagation of isochronous waves through the media in which it is immersed; Attractive, being its action upon other aggregates capable of vibrating in unisons or harmony." Keely, 1894*

The three active or dynamic states or conditions of any and all vibrations are:

Creative

Transmissive

Attractive

A sound source, such as a tuning fork, creates a condition of vibration and oscillation. Thus the tuning fork is the creative sound source. The air surrounding the tuning fork transmits or conveys that periodic motion. Thus the air is the transmissive medium. The creative vibrating and oscillating aggregate has an attractive component that acts upon or has an effect upon other aggregates. For instance a second tuning fork of like frequency receives and absorbs modulations of the air into itself and begins to resonate sympathetically. Because of the Law of Harmony the vibrations and oscillations of the second tuning fork is said to be attracted to the vibrations and oscillations of the first tuning fork or vibrating aggregate.

To put this triune acting law in perspective we may consider a radio receiving a catchy tune from a radio station. The tune is broadcast (creative) into the air where it is



transmitted (transmissive) to listeners who respond (attractive) by tapping their feet or humming along. Or a window pane may go into resonance with certain discrete pitches of the music by virtue of sympathetic response (synchronization of harmonic pitches). This action and reaction is also governed by law:

**9.25 - Law of Sympathetic Oscillation** - *"Coherent aggregates immersed in a medium pulsating at their natural pitch simultaneously oscillate with the same frequency, whether the pitch of the medium be a unison, or any harmonic of the fundamental pitch of the creative aggregate."* Keely, 1894

### **9.26 - Creative**

The creative aspects are already mentioned and discussed under Signature/Chord. These are the inherent eigenfrequencies (naturally occurring or existing frequencies) and activated vibrations from striking, sympathetic stimulation and bowing, for instance. The created chord or signature is composed of three "invisible" yet tightly cohered (undifferentiated or harmonized) vibratory parts. The harmonic (attractive or passive), the enharmonic (transmissive or active) and what Keely called the Dominant which is the root or directing condition or influence that governs the other two. This Dominant condition is what Keely called a concordant attractive sympathetic stream between Neutral Centers. It is the same as gravity whose active state he called gravism, again covered by law:

**9.27 - Law of Vibrating Atomolic Substances** - *"Atoms are capable of vibrating within themselves at a pitch inversely as the Dyne (the local coefficient of Gravity), and as the atomic volume, directly as the atomic weight, producing the creative force (Electricity), whose transmissive force is propagated through atomolic solids, liquids, and gases, producing induction and the static effect of magnetism upon other atoms of attraction or repulsion, according to the Law of Harmonic Attraction and Repulsion."*

*Scholium: The phenomenon of Dynamic Electricity through a metallic conductor and of induction are identical. In a metallic conductor, the transmission is from atom to atom, through homologous interstices, filled with ether, presenting small areas in close proximity. In crystalline structures, heat, which expands the atoms, by twisting them produces striae, increases the resistance, etc. Between parallel wires and through air the induction takes place from large areas through a rarefied medium composed of a mixture of substances, whose atoms are separated by waves of repulsion of various pitches, discordant to electric vibrations; the said atoms sympathetically absorb the vibrations and dissipate from themselves, as centers, concentric waves of electric energy which produces heat and gravism."* Keely, 1894

### **9.28 - Transmissive**

**9.29 - Law of Transmissive Vibratic Energy** - *"All oscillating and vibrating coherent aggregates create, in the media in which they are immersed, outwardly propagated*

*concentric waves of alternate condensation and rarefaction, having a period-frequency identical with the pitch of the aggregate."*

*Scholium: All forms of transmissive energy can be focused, reflected, refracted, diffracted, transformed, and diminished in intensity inversely as the square of the distance from the originating source." Keely, 1894*

The transmissive vibrations are generally what are studied in orthodox methods. These are, for instance, the waves seemingly traveling through the air as in music and waves seemingly traveling through solids such as sound through a door being knocked on. Conventionally, the sound source signature and received signature are sometimes considered in science and engineering but not always as coincidents or associated to transmissive activities.

**9.30 - Propagation Function and Rates** - Fill a given volume with beach balls. Fill the space between the beach balls with marbles. Pour sand into the volume filling in all remaining space between the beach balls and marbles. There will be a point reached where no more sand can be added. Yet one could pour quite a bit of gas into this volume. Each of these substances represents a given frequency range extrapolating with diameter and substance (mass). Each of these ranges is discrete from the others. If all were put into vibration there would be a chord of vibrations emitting from this volume. This chord would be the chord of the mass of the volume. SVP refers to these different frequency bands as ranges, realms and dimensions. Each has it's own frequency range and hence propagation rate. The vibration range would propagate through a contiguous media of it's own range at a different velocity from the other ranges. Taking Keely's repetitive use of Etheric, Atomic and Molecular ranges we can then see there are ***three distinct vibration ranges and concurrent propagation rates*** (depending on the vibrating mass of course) .

### **9.31 - Attractive**

Attractive refers to the effects a transmitted vibration or sound vibration has on objects within its range of influence (acoustic or sound field). This phenomenon is sometimes misunderstood and mislabeled as absorption. Should any object in that range of influence (acoustic field) have within its own naturally occurring vibration signature (eigenfrequency) a pitch that is equal to any of the created and transmitted pitches it will respond sympathetically. (Of course some degree of inharmonicity may be overcome to some extent by FORCE but why use force when and where none is required?) These are then harmonic pitches (of unison, as also multiples or divisions of unison) and will go into synchronous sympathetic resonance with the impacting external vibrations. If the receiving or absorbing object is naturally harmonic to the transmitting object and the transmissive waves an attraction between the two will result in direct proportion to the sound force, quantity and quality of the harmonicity. This behavior is in accord with the

**9.32 - Law of Attraction** - *"Juxtaposed coherent aggregates vibrating in unison, or harmonic ratio, are mutually attracted." Keely, 1894*

Because a wave train or periodic series of sound vibrations and oscillations is alternately attractive and repulsive the objects are alternately attracted and repulsed. The repulsive phase is governed by the

**9.33 - Law of Repulsion** - *"Juxtaposed coherent aggregates vibrating in discord are mutually repelled."* Keely, 1894

The two above laws are at the heart of all vibratory and oscillatory motions. These two laws describe the basic polar states of all vibrations and oscillations. The combined actions of the two seemingly opposing states are always considered in every situation. If preponderance appears in one state over the other the overall polarity is of that preponderance. This bi-polar state has been sometimes described as the [Bjerknes Effect](#).(2)

### **9.34 - Sympathy**

Resultant synchronous resonance is an alternating attraction and repulsion between the creative aggregate and the receptive aggregate. The mode of communication between the two is by sympathetic vibration.

Sympathy is the coincident harmony between separate bodies or aggregates vibratorily speaking. When vibratory components (discrete frequencies) of their chord signatures are in unison or simple multiples of their fundamentals sympathy is established and vibrations and oscillations between them will be sympathetic vibrations and sympathetic oscillations. The more of these discrete signature pitches are in sympathy (forming unisons) determines the degree of sympathy or harmony between bodies or aggregates. The phrase "the more the merrier" works well here as does "birds of a feather flock together".

An example of this transfer of polar energy is a window pane resonating in response to an outside sound source such as a passing airplane, large truck or sounds from within the building such as air conditioners, music and people. According to Keely there is no other way for energy to be transferred from one body to another. A sound source simply vibrates or oscillates. If the medium in which it is immersed is sympathetic or a component of its signature is sympathetic it will respond to the excitation and convey that excitation from source center to recipient or target center. If any object within that vibrating media is also sympathetic, either in unison or multiples of the fundamental, it will respond sympathetically. The higher the degrees of sympathy from signature/chord to signature/chord the greater will be the evoked response and the less energy required to initiate such response. This phenomenon of sympathetic transfer of condition or information is nowadays being explored under the heading of quantum entanglement.

Concordant sympathy is attractive being an attractive affinity between centers. This mutually cohering force is by degrees or discrete quantity or quanta. Our modern concept of gluon, conceived as a quantized attractive force, is an attempt to identify and quantify this attractive force or mutual affinity but lacking an overall vibratory conceptualization

as herein presented.

A sympathetic relation between centers is a Sympathetic Neutral Affinity - from neutral center to neutral center. This sympathetic flow is nowadays being studied as quantum entanglement. In other fields it is known as scalar function and is deemed as part of the vacuum as no "particle" is evident but operates from Neutral Center to Neutral Center. This sympathetic flow is undifferentiated and undetectable by instrumentation. Further Keely referred to these Sympathetic Neutral Flows as flows of Undifferentiated Mind Force. In its neutral (polar balanced) state this sympathetic flow is quiet and nonactive. When polarized it becomes the creative element of all we see beginning with Light:

*"Luminiferous ether," he writes, "or celestial mind force, a compound inter-etheric element, is the substance of which everything visible is composed. It is the great sympathetic protoplasmic element; life itself. Consequently, our physical organisms are composed of this element. This focalizing, or controlling media, of the physical, has its seat in the cerebral convolutions; from which sympathetic radiation emanates. This sympathetic outreach is mind flow proper, or will force; sympathetic polarization to produce action; sympathetic depolarization to neutralize it. Polar and depolar differentiation, resulting in motion. The true protoplasmic element sympathetically permeates all forms and conditions of matter; having, for its attendants, gravity, electricity, and magnetism; the triple conditions born in itself. In fact, it is the soul of matter; the element from which all forms of motion receive their introductory impulse."*

[\[Keely and His Discoveries\]](#)

Note: Sympathetic modulation is doable because of the natural occurring sub and super-harmonics of any frequency. Thus it is possible to reach super high frequency ranges without actually having equipment that can directly produce those frequencies.

### **9.35 - Neutral (focal) Centers**

Any two bodies when sympathetic, will mutually attract each other to a point of coincidence determined by each body's degree or strength of concordant sympathy. The point of mutual attraction will be somewhere between the two bodies. If more bodies participate in the mutual attraction a point will be established by vectors and strengths of the individual concordant flows of sympathy. This point of convergence is called a Neutral Center or a Center of Focalization of Vibratory Forces. Also called a point of convergence of centralizing forces.

*"Neutral centers are the center of sympathetic coincidence."* [\[Keely and His Discoveries\]](#)

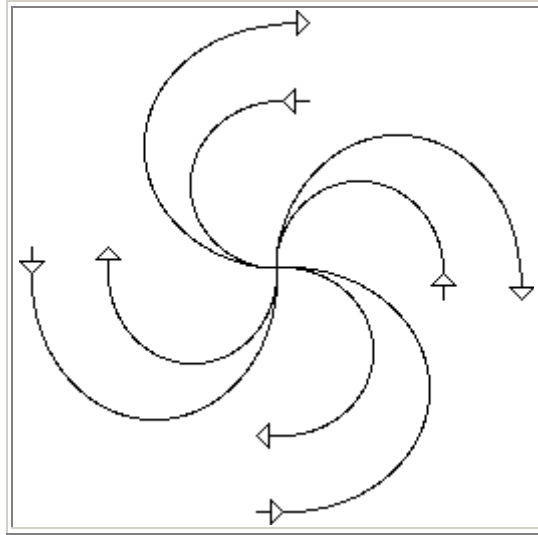


Figure 9.12 - Forces assimilating to and dispersing from Center of Coincidence

All vibrating aggregates possess some degree of concordance (sympathy) in relation to other aggregates. Sympathy, being wholly attractive by its very nature of self assimilation or affinity, will always seek/create a mutual center. This is a concept Cayce eluded to as a centralization of vibratory forces.

*"Gravitational forces are vibratory forces and might be defined as the centralization of vibratory forces ready to be changed into power by non-activity." Cayce (195-70)*

"Electricity is therefore centripetal and its acceleration of orbital speed is in proportion to its distance from its generative center."

"Magnetism is therefore centrifugal and its deceleration of orbital speed is in proportion to its distance from its generative center." [Russell, [The Universal One](#), pg 68]

The Neutral Centers are a point in space and time, free of motion. Yet paradoxically these centers by their nature of being free of motion are a pivot point that switches polarity (which is to say, state or condition of concordance and discordance). They are then extremely active and dynamic, being the point of maximum tension, pressure and polarization.

*"Certain orders of vibration can reach these centers and establish a concordant flow of sympathy, and thereby equate differentiation that may exist." [\[The Snell Manuscript\]](#)*

These "certain orders of vibration" are the thirds or Dominant etheric portion of a wave.

These Neutral Centers are the controlling medium of transforming chaotic states into states of non-motion or harmony. They constitute a fulcrum about which relative motion acts.

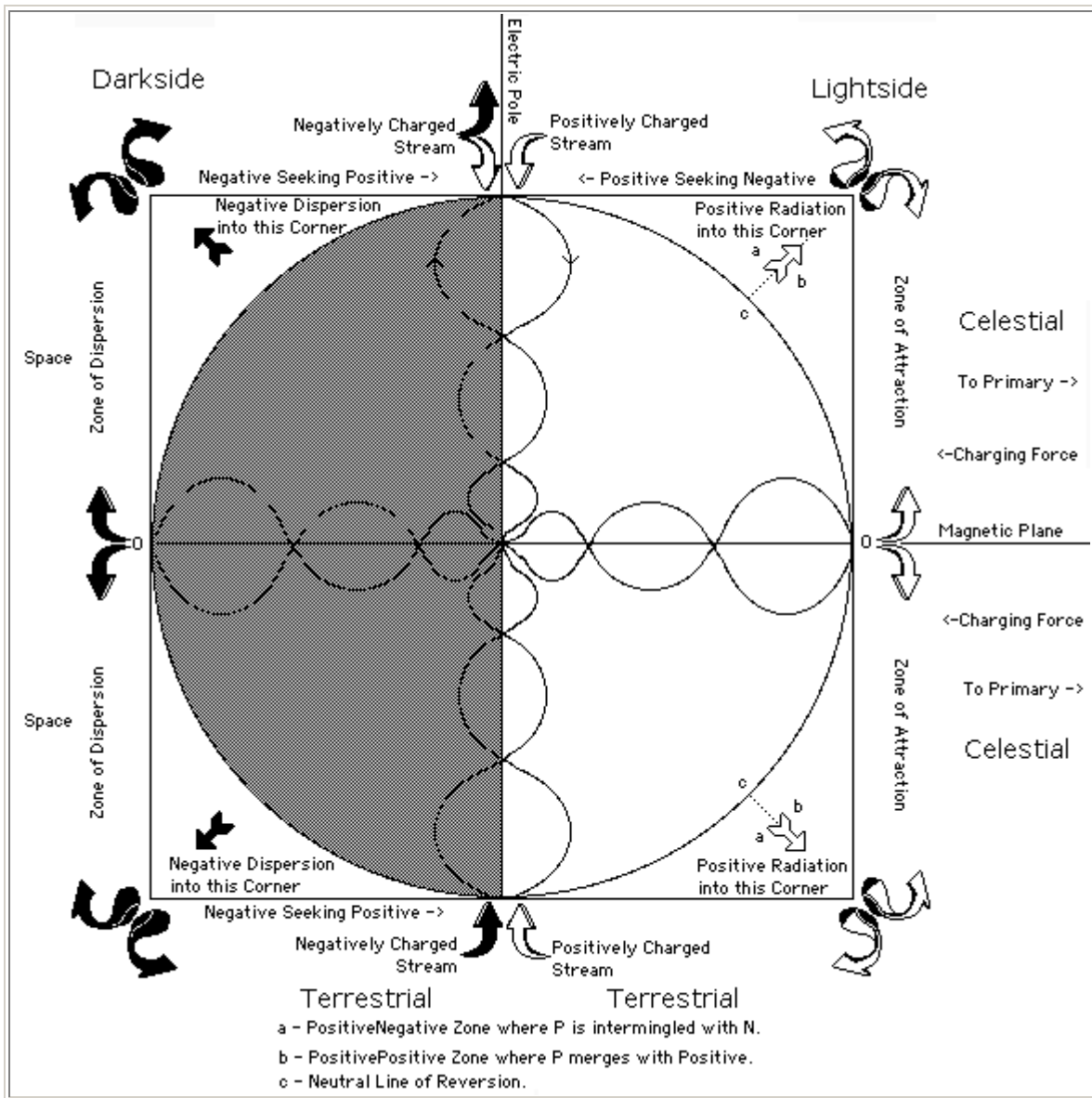


Figure 9.13 - Neutral Center dynamics

**9.36 - Neutral Center Dynamics** - A Neutral Center of higher charge or energy will dominate (impose a modulating influence upon) surrounding centers of lesser charge or energy.

*"All the dominant conditions of nature represent the focal centers towards which like surrounding ones become sympathetically subservient."* [\[Keely and His Discoveries\]](#)



"Neutral centers are the focalized seat of sympathetic concordance for controlling any differentiation that may exist outside, or in the mass that surrounds them." [Keely and His Discoveries]

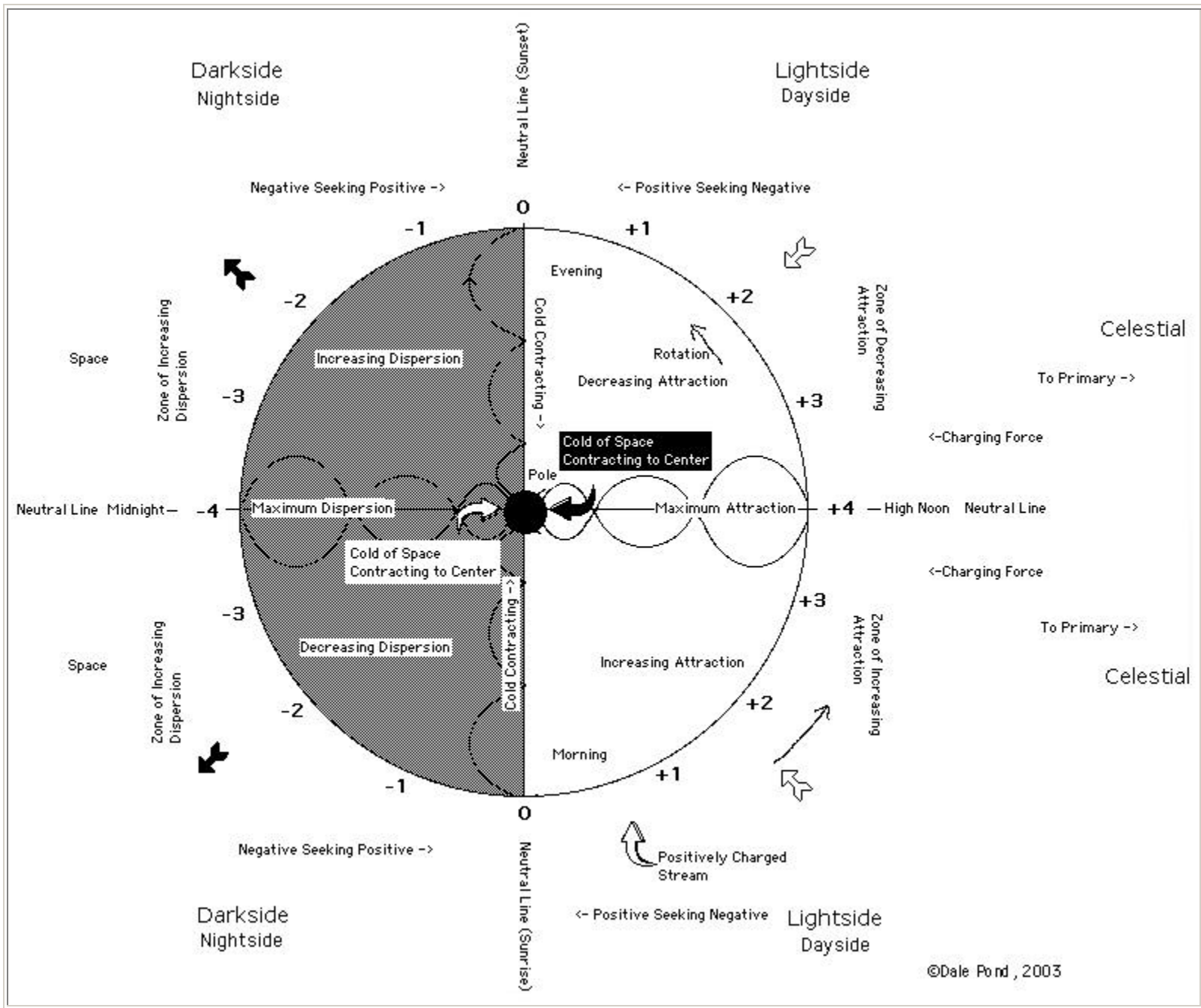


Figure 9.14 - Night and Day interactions with Neutral Center

**9.37 - Day & Night** - The Neutral Centers command or dominate all other states or conditions and are the fulcrum of the lever for creating change.

*"All expressions of energy spring from rest, seek a point of rest and return to a condition of rest. The power of a moving lever is not in the lever nor in its motion. It is in the stillness of its fulcrum from which it borrows its ability to manifest the power of the fulcrum."* Russell, [The Secret of Light](#)

All matter is desirous of sympathetic association to a dominating center. This power over distant matter is called gravity and the form of gravity that exerts its activating influence at a distance Keely called gravism.

Indeed gravity is a sympathetic force. In fact it is this sympathetic condition inherent in matter.

*"Gravity is nothing more than a concordant attractive sympathetic stream flowing towards the neutral center of the earth. This force is inherent in all visible and invisible aggregated forms of matter, from the very birth of a planet, around whose center the molecules cluster by the sympathetic affinity which is thus induced."* Keely in [The Snell Manuscript](#)

The condition known as gravity then is an embodiment of the Law of Attraction. These sympathetic streams assimilate each other in a centripetal motion to a center. These streams Russell referred to as the Father Force in activity and are the same as Keely's Celestial Force. We may then conclude all matter is a combination or assimilation of these centering forces held in abeyance by their very vibratory natures. All forms of matter have this characteristic.

**9.38 - Atoms as Sympathetic Centers** - *"..atoms sympathetically absorb the vibrations and dissipate from themselves, as centers, concentric waves.."* Keely

These forces decreasing space (anti-matter or Dark Matter or ether) centripetally come in to a center creating active matter, forces decreasing matter go out centrifugally from a center to create inactive space (anti-matter or Dark Matter or ether).

*"CREATION: All form is generated from the One source of thinking Mind by a preponderance of the concentrative, contractive pressures of the centripetal force of thinking.*

*DE-CREATION: All form is radiated back into the One source of thinking Mind by a preponderance of the decentrative, expansive pressures of the centrifugal force of thinking."* Russell, [The Universal One](#)

The Neutral Center assimilates the centripetal polar vibratory forces and transforms them into centrifugal depolar forces according to the Law of Attraction and Law of Repulsion. These two forces are the same forces but in a different state or condition or degree of concordance and discordance. The greater the concordance the greater their mutual affinity or center seeking tendencies. The greater the discordance the greater their mutual

repulsion or center fleeing tendencies. These two forces are always reciprocal and proportional. The center is the switch or gate between the two states or conditions.

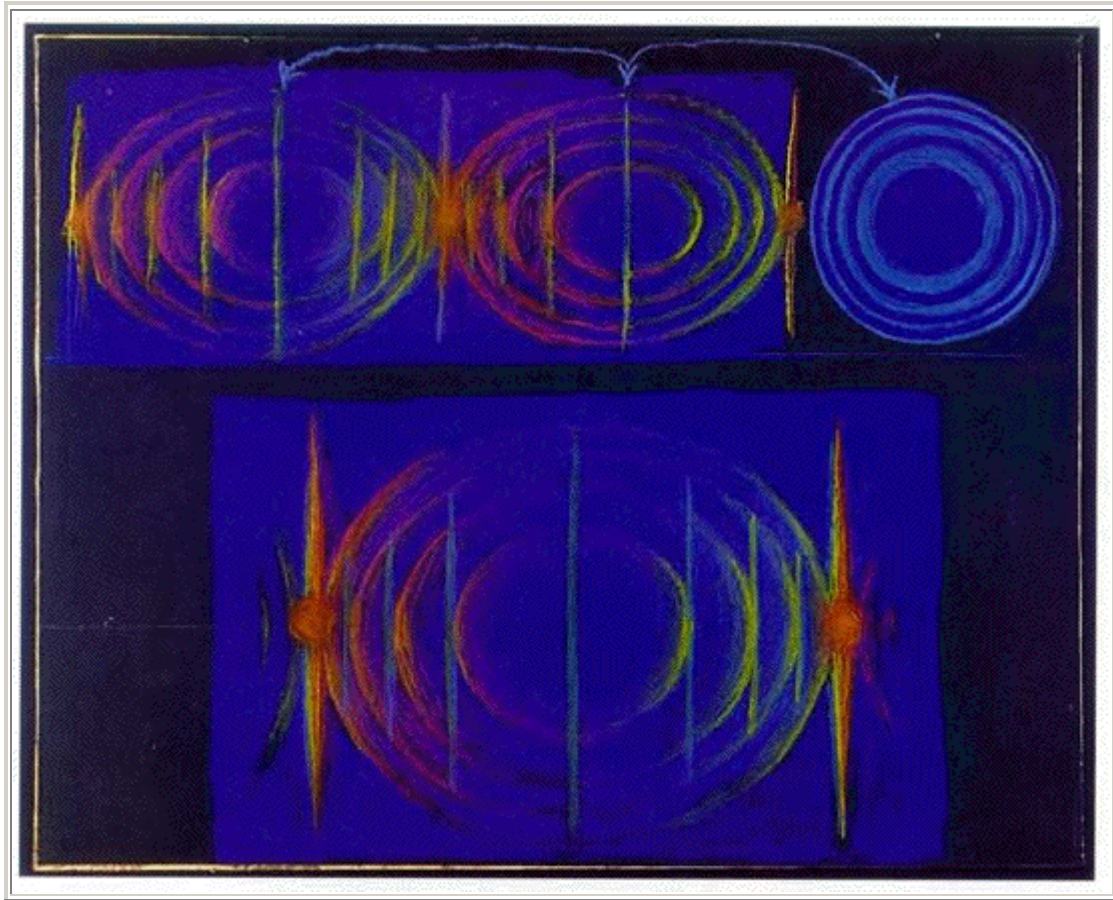


Figure 9.15 - Phases of a Wave as series of Expansions and Contractions  
(courtesy [University of Science and Philosophy](#))

**9.39 - Centers of Force** - *"The same thing may be said as to the force of repulsion, or the centrifugal force, changing to one of gravitation. So that, since the centripetal and centrifugal forces, with relation to the center of force, are continuously undergoing a change, or interchange, the one for and into the other, they can, together, be but modifications of one and the same force, of which the center of force is the key or germ."*  
Walter Russell, [Atomic Suicide?](#)

A Neutral Center then is like a fulcrum under a seesaw or the point of suspension of a pendulum. On one side are the incoming concordant forces spiraling toward the center and the other side are discordant forces spiraling away from the center. These two seemingly opposing forces are actually the same force but in a different condition of harmony (sympathy). The center then is the point of maximum polarization under high polar tension (energized neutrality or full potentiality or charged). The furthest reaches of the center are the zone or realm of least polarization or depolar neutralization or discharged state. The "outreach" of the center is determined by its sympathetic strength or

power and the sympatheticity of the surrounding medium. This reach or field Keely called "sympathetic outreach" and extends over the domain of the Neutral Center over which it is ruler and prime director. This outreach may be a solar system, a molecule or the human body.

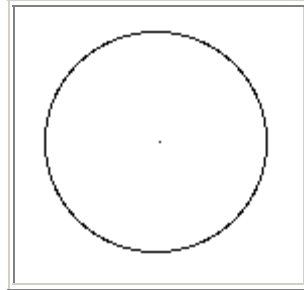


Figure 9.16 - Center and Periphery

**9.40 - Center and Periphery** - *"A center of introductory action is necessary in all operations of Nature." All structures require a foundation. This neutral center is the foundation.*

*"Every molecule, every mass, every moving body in space, every solar system, every stellar system, EVERY ROTATORY SYSTEM, is built about a NEUTRAL CENTER. It is the indestructible unit around which all that we recognize as matter is built. Immovable itself, it moves all things. Indestructible itself throughout infinity of time, it creates all things. It produced and preserves the incalculable energy of motion of the entire Universe. It bears the unthinkable burden of the mass of the Universe. It is the most wonderful thing Man has discovered in the Universe since he discovered fire.*

*"If we should take a planet of say 20,000 miles diameter and should displace a portion of the interior so as to have a crust of say 5,000 miles thickness, and at the center of the planet, place a billiard ball, that small mass, immeasurably smaller than the bulk of the earth, would bear the entire burden of the mass of the crust 5,000 miles thick and would keep it equidistant from itself. No power, however great, could possibly displace this central mass so as to bring it into contact with the crust. Furthermore, to move this central mass in any direction, would require a force sufficient to move the entire mass of the planet, and in propagating or continuing any such motion the neutral center, this billiard ball, will at all time periods remain still in the exact center, bearing the same equidistant relation to its hollow shell. The mind staggers in contemplating the burden borne by this neutral center, where weight ceases." No less wonderful are other properties of the neutral center.*

*"It is the cause of the physical Universe. Its attraction condensed that which we recognize as substance. Matter was evolved from the affinity of this neutral center for sympathetic streams and since it is immovable, it caused, through negative attraction the formation of nodes in these streams, where the vibrations thereafter continued to meet in a center of sympathetic coincidence causing the permanence of form and matter. Every nebula, an embryonic world, is acted upon, created and preserved by this neutral center, and at the*

*termination of its cycle, it is ultimately also destroyed by it, causing its absorption into the Unknown from whence it came.*

*"The actual neutral center of the earth is, in fact, even infinitely smaller than the billiard ball referred to above. It consists of a compound interetheric point in space, so small that were we to magnify a pin head to the size of the sun, and from that substance take a particle of matter the same size, again magnifying it to the size of the sun, the neutral center would still be invisible, even though the structure of this last substance was examined through the highest powered microscope ever created, or to be created. For the neutral center is INDIVISIBLE. Its attributes do not belong to matter, and pertain in no way to matter, which is but its exterior manifestation.*

*"Every aggregate mass consists of molecules, each of which has its neutral center where the three modes of vibration, dominant, harmonic, and enharmonic, meet in a center of sympathetic coincidence and are equated without cancellation of their energy." The proof of this assumption is that all matter responded to Keely's disintegratory process and must therefore consist of these fundamental modes of vibration.*

*"The fixed neutral center of the earth is the concentration or totalized power of all the several molecular neutral centers in the earth's mass. This neutral center, which is absolutely WITHOUT WEIGHT, an interetheric point in space, communicates direct by means of its outflow of sympathy, with every planetary mass in the Universe. Through its inflow of sympathy, through the solar intermediate, the sun, it receives the life flow from the SUPREME NEUTRAL CENTER that enables it to perpetuate its existence. Thus through the outflow from this Supreme Neutral Center that pivoting point of the Universe controls the existence and motion of not only every stellar, solar and planetary mass in space, but also the rotatory vibration, in every individual molecule, intermolecule, etc. through all the subdivisions of matter, thereby sustaining their existence and motion with the life flow.*

*"All foundations must be sufficient to bear their burden. Conceive then the Universe centered upon and resting the burden of its incalculable mass and kinetic energy on a vacuous interetheric point in space, so minute that it is actually INDIVISIBLE. This conception can only be fully comprehended by an infinite mind. Independent of time, because indestructible in its unity, independent in space, because through its properties space itself exists and without it would not exist, independent of matter because its properties in an external direction created all that we know as matter and gave it seeming permanence, the neutral center is that protean, uncreated, indestructible, forever-existing FIRST CAUSE. Without hands, without tools, without thought, without emotion, without love, without form, without substance, it, of itself, created all these. All that we see or can see in the objective Universe exists because of and by means of the properties and powers of the NEUTRAL CENTER.*

*"No machine heretofore constructed has been made with a neutral center. This conception of mechanics has never before dawned on man's thought field. Had this been done, perpetual motion would have become a demonstrated fact. Were a machine so*



constructed as to use its properties, an introductory impulse would suffice to run it for centuries. However, this would not be a useful mechanical contrivance for no more energy could be obtained from it than was originally given, and its only value would be as a timekeeper." Keely did not seek to invent, nor did he claim to have invented, perpetual motion.

His actual achievement was the forming within a sphere of a neutral center made independent of gravity and all outside influences. He writes (12/17/1885): "The neutral center is only established when rotation exceeds 100 revolutions per minute, which is sufficient, with the vibratory circuit running at 100,000 per second, to neutralize the influence of gravity on the volume of the neutral third of the sphere." The neutral center controls its sphere of operation, whether that mass controlled by it be homogenous or complex. All differential mass antagonism is equated on the induction of certain orders of vibration. The structural conditions can be entirely adverse, even of unlike states --- gases with liquids, liquids with solids, solids with gases, its control will be as complete in one case as in the other.

"Besides the attractive quality in the neutral center which manifests itself in the law of individualization, of the attraction to itself of all other masses in space, is another and kindred phenomena, the opposite of the first, called by Keely "disturbance of equilibrium."

"The condition of unstable equilibrium was born in each neutral center, that by means of this arrangement, the neutral center might become the connective link or controlling tendency, holding these two properties in balance and assuming either phase at will. Between the dispersing positive and the attractive negative it stands, the deciding factor, the Universal Will. Keely says: "The action that induces this property I call the connective link is sympathetic planetary oscillation." [The Snell Manuscript](#)

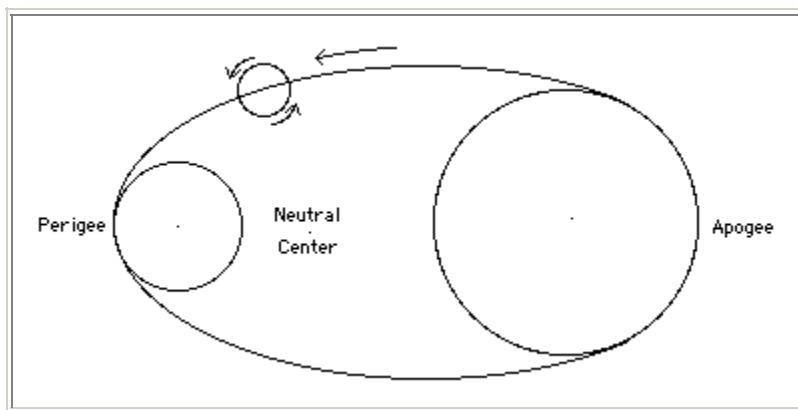


Figure 9.17 - Two Centers

#### 9.41 - Dynamic Centers



Neutral Centers are triune in their steady-state natures and somehow split. These three centers are together One Center having a triune nature - positive, negative and neutral.

A harmonic center determines a circular orbit but an elliptical orbit requires three non-coincident centers. More on this in a later paper.

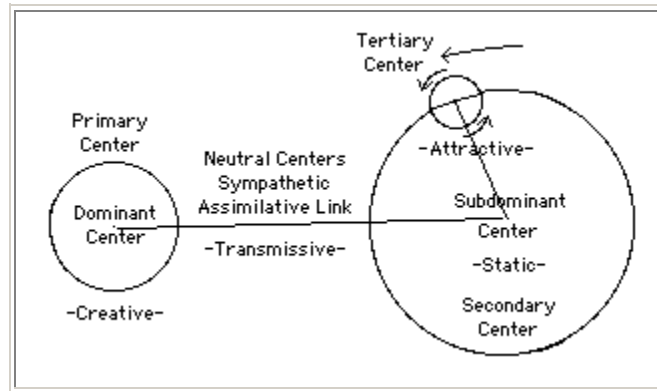


Figure 9.18 - Triple Centers

#### 9.42 - Multiple Excited Centers

Excited means disturbed equilibrium. Excited is also a *Disturbance*. As in energy released/energy absorbed. An excited or disturbed center becomes a dominant center to which surrounding centers become subservient by neutral center modulation; i.e., induction (absorbing or assimilating vibratory energy which induction is propagated and maintained by sympathetic vibration or flows) as in the Bjercknes Effect. A second center is a virtual center and becomes sympathetically "disturbed" thereby becoming subservient to the dominant center and sub-dominant within the overall system. These are the centers about which particles then orbit and rotate on their own axis. This transfer of vibratory and oscillatory states reflects in periodic motions by sympathetic induction and maintain "relative" power and position to the Dominant Center of the original disturbance (source).

Which orderly propagating etheric disturbance is as the quiescent Mind of God *thought* the motionless Void into dynamical materiality. (Thinking disturbs quietness. Try it yourself.)

The ebb and flow of energy to and from these centers follows Keely's Law of Force. The Dominant Center sets the tone of all that happens around it whether within its own system or in neighboring systems into which it has an influence. The flow from center to center is a sympathetic vibratory interetheric flow. Being sympathetic it is harmonic. Upon merging with a secondary or sub-servient center the flow splits and becomes enharmonic to a degree dictated by number. The more harmonic a center in relation to neighboring centers the more its dominance and all relatively enharmonic centers will always be sub-servient to its over-riding influences.

"Neutral centers are the focalized seat of sympathetic concordance for controlling any differentiation that may exist outside, or in the mass that surrounds them." [Keely and His Discoveries](#)

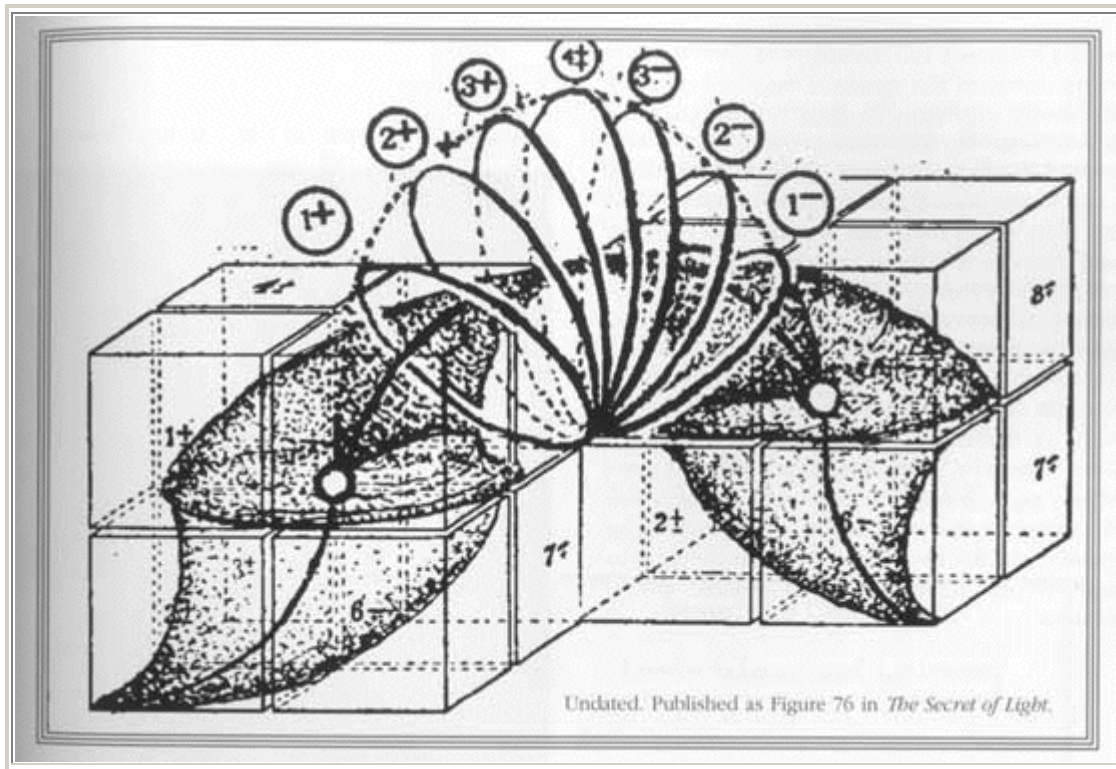


Figure 9.19 - Wave Disturbance from Center to Center  
(courtesy [University of Science and Philosophy](#))

**9.43 - Circular Harmonic Orbit** - Contains one center or focus. Forces of expansion and contraction are balanced or equated. The energy level is stable, neither increasing or decreasing.

**9.44 - Elliptical Enharmonic Orbit** - Contains two centers or foci.

The smaller center has more energy than the larger, per unit of area. It attracts the planet with more force, hence into a smaller diameter orbit where velocity of orbit (revolution) increases.

The larger center has less energy than the smaller, per unit area. It attracts the planet with less force, hence into a larger diameter orbit where velocity of orbit (revolution) decreases.

Thus maintaining persistent and consistent conformity with Kepler's Laws of Orbiting Bodies:

In his *Astronomia Nova* 1609, Kepler pronounced:

1st Law - The orbit of a planet is elliptical and the Sun the source of motion is in one of the foci of this ellipse.

2nd Law - The apparent diurnal arcs of one eccentric are almost exactly proportional to the square of their distances from the Sun.

3rd Law - The periodic times of any two planets are to each other exactly as the cubes of the square roots of their mean distance.

#### **9.45 - Orbital Phases:**

Apogee - Planet has fastest spin, slowest orbit, least mass, least attraction.

Perigee - Planet has slowest spin, fastest orbit, most mass, most attraction.

From Apogee to Perigee - Planet is slowing spin, increasing orbit velocity, increasing mass, increasing attraction.

From Perigee to Apogee - Planet is increasing spin, decreasing orbit velocity, decreasing mass, decreasing attraction.

This simple illustration of periodically contracting and expanding orbits demonstrates a fundamental attribute of all vibrating or oscillating bodies: expansion and contraction. These two seemingly opposing conditions are governed by more fundamental forces.

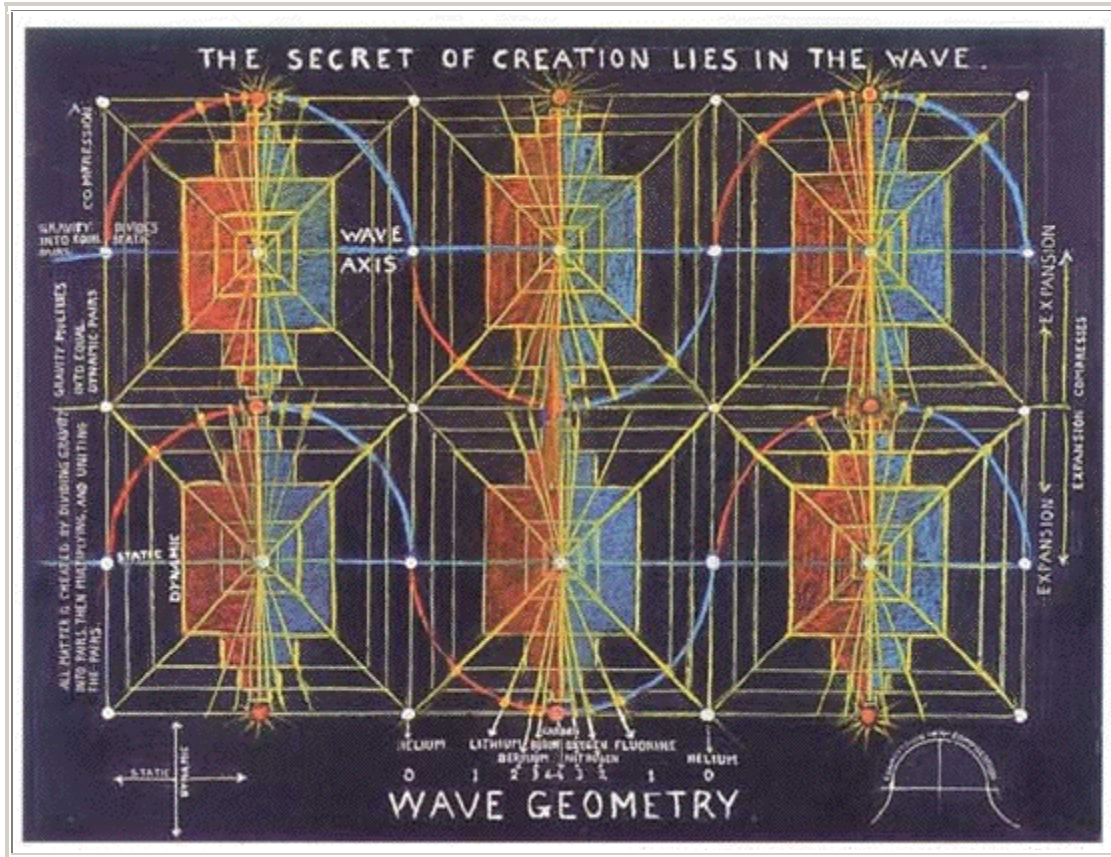


Figure 9.20 - Phases of a Wave as series of Expansions and Contractions as per Square Law and Inverse Square Law.  
 (courtesy [University of Science and Philosophy](http://www.usap.edu))

### 9.46 - Expansion and Contraction

*"The following fundamental laws governing mathematical relations will briefly convey the idea of the principles governing universal ratios which is in every effect of motion the direct and inverse square of the distance, area or time dimensions and the cube of volume or potential dimensions. The direct and the inverse are the two way indicators of direction [to or from a center], the latter belonging to gravitational and the former to radiational effects."* Russell, *Genero-Radiative Concept*, part 6b.



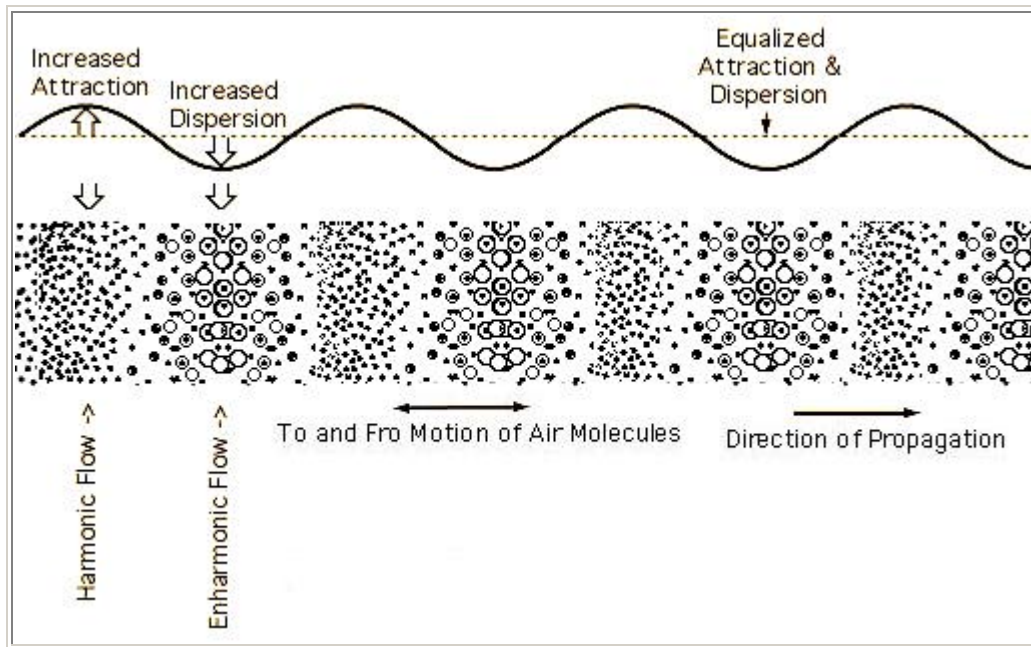


Figure 9.21 - Compression Wave with expanded and contracted orbits

**9.47 - Compression Zones** - The graphic above attempts to show expanded orbits of oscillation of the rarefied or dispersed phase of a vibration in air. The contracted orbits of oscillation are within (cause) the compression or contraction phase of a vibration in air. The contractions and expansions are not caused by impact from outside bombardment but by sympathetically induced periodic or alternate harmonicity and inharmonicity from within (from center to center) along sympathetic lines of neutrality. See Figure 9.13.

**9.48 - Expanding and Contracting** - All dimensions simultaneously expand and contract in opposite directions of the same ratio.

*"Contraction pressure is in inverse ratio to the square of the distance, area, plane orbit or time unit, and to the cube of the volume.*

*Expansion pressure is in direct ratio to the square of the distance, area, plane, orbit or time unit, and to the cube of the volume."* Russell, [The Universal One](#), pg 162.

*"Every generative [contractive] effect of motion begins its cycle at its maximum in the region of lowest pressure, loses one half of every dimension of it at the high pressure point of its cycle wave, and exhausts its effect at the place of its beginning.*

*Every radiative [expansive] effect of motion begins its cycle at its minimum in the region of the lowest pressure, gains one-half of every dimension of it at the high pressure point of its cycle wave, and attains its maximum at the place of its ending."* Russell, *Genero-Radiative Concept*, part 6b.

These being the case increasing energy is a smaller orbit (oscillation) and slower spin (vibration). Likewise decreasing energy is a larger orbit (oscillation) and faster spin (vibration). Another attribute mentioned by Russell is contracting is increasing in energy through multiplication. This means increasing energy is attractive - up to a point. Energy will increase in direct proportion to harmonicity and attraction or mutual affinity. Systems of increasing energy are multiplying energy and augmenting attraction/affinity (gravity). While systems of decreasing energy are dividing energy and increasing repulsion/radiation. In the graphic we see increasing orbit radii (oscillation) as less energy (dispersion) and decreasing orbit radii as attraction or compression.

These reciprocally locked attributes (contraction, expansion, spin, orbit velocity, mass and attraction), which Russell calls "dimensions", are not limited to the ones given. According to his theory there are eighteen of these attributes being actually nine dual or oppositely paired attributes. The orbiting body and its orbit are modified syncothetically or concertedly as each and every one of these attributes reciprocally changes.

The universal principles above apply to the various dimensions, attributes, aspects or parameters of all vibratory and oscillatory systems whether waves, vibrations or planetary orbits. In the list below I've added in a few extra to account for geometric projections.

#### **9.49 - [Eighteen Attributes of a Wave](#) (Vibration + Oscillation)**

- 01 - Length (Distance, Radius)
- 02 - Breadth (Area, Square)
- 02.1 - Breadth (Area, Circle)
- 03 - Thickness (Volume, Cubic)
- 03.1 - Thickness - (Volume, Sphere)
- 04 - Time (orbit period, #13)
- 04.1 - Time (spin period, #12)
- 05 - sex
- 06 - pressures
- 07 - potentials
- 08 - temperature
- 09 - ionization (repulsion, disintegration, dissociation as per cavitation)
- 10 - crystallization
- 11 - valence (affinity)
- 12 - axial rotation (planet or particle spin)
- 13 - orbital revolution
- 14 - mass (weight)
- 15 - color
- 16 - plane (above or below plane of ecliptic of primary)
- 17 - tone (sound, musical tones)
- 18 - ecliptic (above or below plane of ecliptic of primary)

These dimensions are characterized by two outstanding peculiarities common to all of them: an orderly periodicity and reciprocity. They are locked into and operate according



to the geometric Principle of Duality or Principle of Reciprocity(6) meaning paired attributes are reciprocal to each other. See Russell's [The Universal One](#) for greater detail concerning these attributes or dimensions.

### **9.50 - Oscillatory Motion**

Particles of a medium subjected to periodic impulses will behave in similar manner as the planet just mentioned. With the inducting forces impacting upon them they will change from a quiescent state which is to say a harmonic state of circular orbit to an elliptical orbit. During this elliptical orbit periodic increase and decrease of volume will occur as the elliptical orbits synchronize, phase in together adding themselves to peaks and subtracting themselves into troughs.

The more attractive phases synchronize into tighter accumulations while the less attractive phases synchronize into "looser" or more dispersed concerted actions. Hence we then have the compression and rarefaction phases of a standard sound wave.

Power is accumulated in the slowing of the spin of rotation, simultaneous decrease of orbital radius and increase of orbital speed. Power is released in the accelerating of spin of rotation, simultaneous increase of orbital radius and decrease of orbital speed.

### **9.51 - Time**

Time is an interesting concept. I say concept because Time is not a thing - it is an idea - in the Mind wholly. The Rosicrucians, AMORC have a phrase in their philosophy that says "mind assigns dimension". In other words Mind (consciousness/experience) is the measure or metrology of that observed/experienced. In the case of Time we observe a sunrise and the Sun's path through our sky - which is to say - earth's orbit or journey around its primary (year) as also its rotation upon its axis (day). This phenomenon is divided into discrete pieces dividing a circle into more or less equal parts. This method gives us a "Time Ruler" by which the progression or passage of events may be tabulated or marked.

More concisely the earth's movement around the Sun is an event. This event is divided into segments or spaces; i.e., so much space covered in so much elapsed "Time". It has been said:

*"Time, in its simplest definition, is the progression of events."* Dr. H. S. Lewis

This is an agreeable definition for the reasons presented. This definition may be extend to include the variability of the event so described. This being earth's orbit which is not circular but is elliptical where the earth, in its travels around the Sun, is constantly changing velocity resulting in days of variable lengths. Time compresses and expands!

*"Time decreases with potential. Time decreases with decrease in radius."* Russell, [The Universal One](#)

Russell goes into this varying attribute of orbits quite well and ties or locks these variations with other effective attributes such as alternating potential, rotation (spin) speed, radius (distance from primary) and orbital velocity, among other similarly related attributes. In Russell's manner of presentation of these forces as "locked" together we may see how all forces are indeed active as a single force. All forces, i.e., events, are One compound and complex Event, inextricably locked together. To consider a single facet or attribute of force as an isolated event is to miss the true nature of the One Force creating One compound and complex Event. Such a separatists and isolationist viewpoint is misleading at best and dismisses the wider more complete picture.

Given the many regularly varying attributes of earth's orbit it could be well said Time varies in a regularly, periodically or rhytmically varying manner. Time compresses (days/hours become shorter) during the slower portion of its orbital velocity and Time dilates (expands) (days/hours become longer) during its faster velocity of travel. A Time increment (day, hour, minute, second) is less long during the earth's slow orbit and faster rotation while further from the Sun. A Time increment (day, hour, minute, second) is longer during the earth's fast orbit and slower rotation nearer to the Sun.

Another repetitive event occurring in the Mind of Man is music. A cycle in practiced music is the bar and this bar is divided discretely into a measure of Time.

*"(1) The division of musical phrases into certain regulated portions measured with regard to the value of the notes with respect to the semibreve, which, in modern music, is held to be the standard of time. There are two sorts of time, duple with two, four, or eight beats in a bar, and triple with three beats in a bar. There is also compound time, or time formed of the union of triple with duple, and triple with triple, each having a distinctive time signature. (2) The pace at which a movement is performed is called its time. " [A Dictionary of Musical Terms]*

Notice the second definition given above is substantially the same as Lewis' definition. By substituting the word "movement" for "event" we see clearly the correlation.

It would be folly to separate Time from the events to which it is locked and of which it is the measure. Time is not a thing unto itself but an attribute of cyclical periodicity (change). It could be described in a more or less scientific manner as the "degree of change" or "rate of change" of a rhytmically occurring event. It is as Lewis points out the measure of the progression of the event. In this regard it is correct to state Time cannot be solely a "measure of space".

According to Russell ([The Universal One](#)) there are interlocking attributes (what he calls dimensions) affecting planets based on their relative radius which impacts on its mass by virtue of the primary's potential. Two of these are rotation upon its axis and revolution or orbit around its primary. In short the closer a planet is to its primary the greater the potential in which it exists. This close proximity increases its mass, increases its speed of orbit (revolution) and decreases its spin (rotation) upon its axis. The further a planet is from its primary the less its potential. This distanced proximity decreases its mass,

decreases its speed of orbit and increases its spin upon its axis. So at a close distance days are longer and years are shorter. A further distance (long radius) days are shorter and years are longer. It is apparent from this scenario a primary has zones of potential beginning near its surface as high potential and decreasing in potential in direct proportion to radius. Cayce said this gravity effect behaves as octaves of force.

*"Consider as an Octave or a vibration as would be set in motion by the very activity of the gravitation in its activity." Cayce (195-54, A-12)*

Meaning gravity doubles per decrease of radius unit. It is assumed this potential drop-off is the same as the Inverse Square Law. The energy twice as far from the source is spread over four times the area, hence one-fourth the intensity. Gravity, electricity, sound, light and radiation obey the Inverse Square Law. We can assume this is correct because during falling velocity and potential force increases. Gravity then may be this potential coupled with the principle that potential seeks higher potential in periodic proportion. Time therefore is an effect of revolution (year) and rotation (day). Each Time unit is an arithmetical relationship to/with each other. Time is not a thing or a constant but an effect and varies according to its localized system and perceiver of same. (My sympathies to the sci-fi writers.) An interval of Time may be further divided. Notice these are not discrete quantities but are [PORTIONS/Divisions of a WHOLE just as in Russell's Scale of Locked Potentials and Keely's Thirds, Sixths and Ninths.](#)

Music is a system of pulses of a given frequency fitted into a specific time reference. i.e., so many notes sounded within a measure (of time). This would result in a long cycle modulated with intermittent higher frequency tones. This appears to be especially true in the case of triplets (three tones sounded where two are timed for). This division of a unit of time is Russell's Universal Impulse aptly described in [The Universal One](#), page 106-110.

- \* Semi-breve (whole-note), 'half a breve', longest note-value normally used in modern notation. (1, the Whole)
- \* Minim (half-note), half a semibreve. (1/2)
- \* Crotchet (quarter-note), fourth part of a semibreve and twice the value of a quaver. (1/4)
- \* Quaver (eighth-note), note which is half length of a crotchet, and eighth of a semibreve. (1/8)
- \* Semi-Quaver (sixteenth note), note with half time value of a quaver, and sixteenth time value of a semibreve. (1/16)
- \* Hemidemisemiquaver (sixty-fourth note), quarter of a semiquaver or 1/64th of a semibreve. (1/64)
- \* Semihemidemisemiquaver, note with half time value of a hemidemisemiquaver, and 128th time value of a semibreve. (1/128)

These divisions of Time correspond to [Russell's division and multiplication of volume, energy and so forth](#) (see Part 12 - Locked Potentials) - more amplification of the Square Law and its inverse. Time also corresponds proportionately to wavelength and frequency.

|   |     |     |      |      |      |     |     |   |
|---|-----|-----|------|------|------|-----|-----|---|
| 0 | 1+  | 2+  | 3+   | 4++  | 3-   | 2-  | 1-  | 0 |
| 1 | 1/2 | 1/4 | 1/16 | 1/64 | 1/16 | 1/4 | 1/2 | 1 |

Figure 9.22 - Scale of Locked Potentials over Time

### 9.52 - Wave Propagation

For a wave to exist there must be something to vibrate and oscillate which is to say some center that can be alternately excited centripetally and centrifugally. In relation to space in older times science accepted the [Ether Theory](#) and it was this ether, according to their theories, that responded to excitation and conveyed that excitation from a sound source throughout the medium to objects capable of responding sympathetically. In reviewing the various theories of the ether put forward it can be seen from our modern perspective these theories were guessing at a quantum realm not knowable in those early days (with the sole exception in Keely) for lack of appropriate equipment and research data.

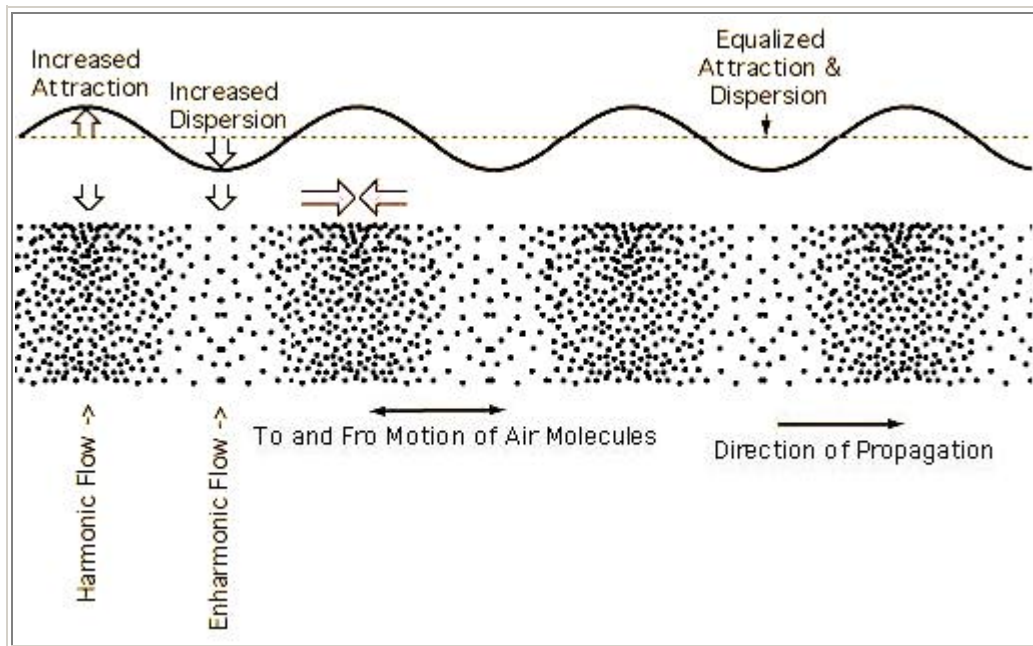


Figure 9.23 - Wave Flow as function of Periodic Attraction and Dispersion

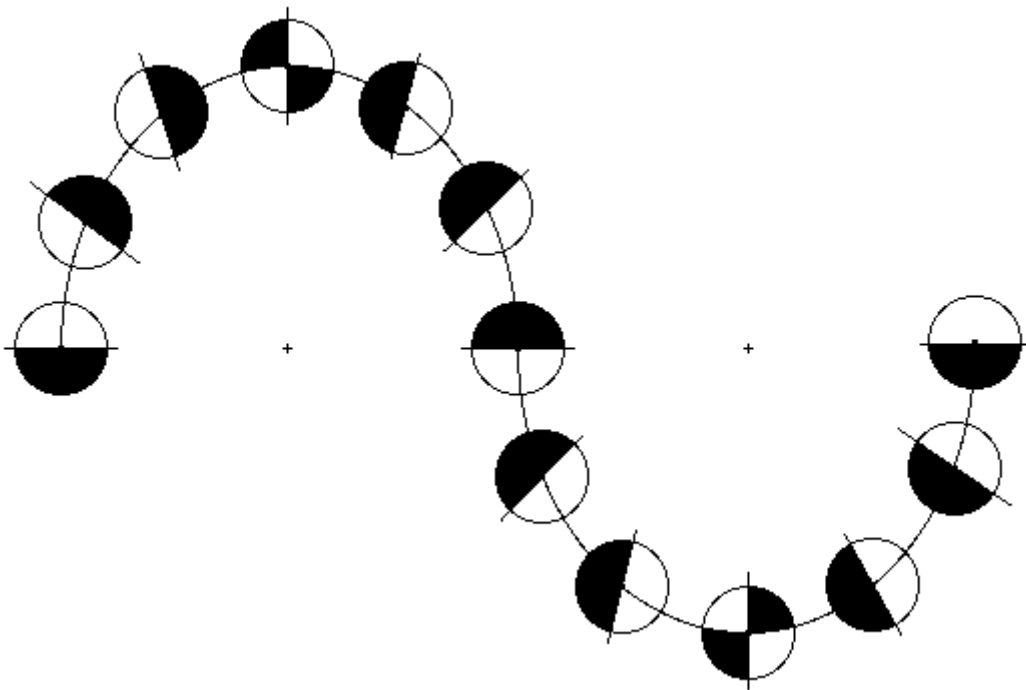


Figure 9.24 - Wave Flow as function of Particle Rotation

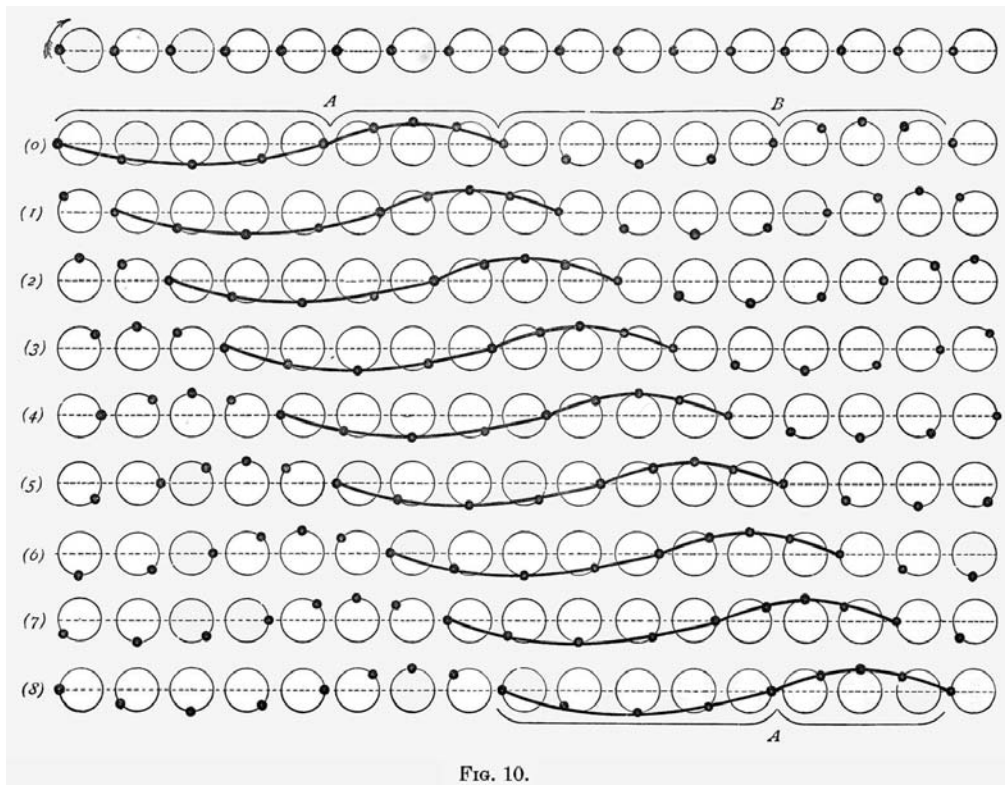


FIG. 10.

Figure 9.25 - Wave Flow and Wave Length as function of Particle Rotation

**9.53 - Wave Flow** - *"The atomolic substance is what is termed the ether which fills all space and is the transmitting medium for all celestial and terrestrial forces. This is the liquid ether of occult science. The atomoles are made up of atomolini (singular atomolinus); the subdivision of matter from this point is beyond man's power, as at this point it escapes all control of apparatus, passing through glass and hardened steel as a luminous flame without heat, which is hardly seen before it vanishes, - a perpetual flame coldly luminous."* Keely, [The Snell Manuscript](#)

The ether then corresponds to our modern Quantum Realm of matter composed of photons, muons, gluons, etc. The ether according to Keely was composed of minute forms of matter organized around centers. This primal form of matter he called atomoles which considered composed of atomlini. Likewise Russell [lists twenty five different forms of proto-matter](#) (preceding Hydrogen) capable of being classed as "ether". Our modern theories of quantized energy units could all be considered as ether or etheric matter. There is no one kind or type of ether - there are many kinds and types possessing many ranges of energies. Thus the earlier scientists and philosophers theorized and postulated of and foresaw a Quantum World long before science was capable of describing and proving such a world. Our current investigations into this Quantum World of quarks, muons, neutrinos, etc. is an investigation into Keely's ether which we suppose are the rarefied elements classified in the first three octaves of [Russell's Elemental Chart](#). It is presumed, generally speaking, Russell's First Octave corresponds to Keely's Compound Interetheric. The second octave to Interetheric and the third octave to Etheric. Octave Four is the Interatomic. While octaves 5-10 are Keely's Atomic classification. These first few octaves are the sympathetic states or flows often mentioned by Keely. On the far side of the spectrum of elements are a few more octaves of dispersed energy states where energy is given up as matter dissociates into its constituent or aliquot parts - the Death side of the spectrum. These are what Keely referred to as anti-sympathetic.

**9.54 - Law of Matter and Energy** - *"Coexistentive and coeternal with space and duration, there exists an infinite and unchangeable quantity of atomoles, the base of all matter; these are in a state of constant vibratory motion, infinite in extent, unchangeable in quantity, the initial of all forms of energy."* Keely, 1894.

These atomoles of Keely's are the building blocks of all matter and form, coming together by virtue of their high degree of sympathy into larger and larger forms of matter. This morphology is not unlike modern morphology wherein atoms and molecules are built from smaller quantum entities.

An addition of positive or concordant energy will cause more of these atomoles to aggregate into a larger composite body as into an atom or molecule. If a "negative" or discordant influence is brought to bear on these centers they will disperse or not tend to aggregate.

Due to their inherently high degree of sympathy what happens to one atomole will eventually happen to them all - in accordance with their degree of sympathy. If a



concordant influence be applied to one it will contract and become momentarily more energized through absorption and more concordant thus attracting its neighboring atoms which are also experiencing momentary or periodic absorption and contraction. The process of experiencing periodic harmonization (concordance) and inharmonization (discordance) propagates from one center to its neighbor. First experiencing harmonic influence (attraction/harmonization) then an enharmonic influence (dispersion/enharmonization). This periodic pulsation is like breathing. Each of these two states may be treated as flows, streams or currents "traveling" from center to center beginning at the center of disturbance and propagating outward. One state is preponderant then the other becomes preponderant mutually exchanging influence and effect.

These two states adhere to and demonstrate the [Bjerknes Effect](#) where attraction and repulsion are functions of discord and harmony and as evidenced in Keely's Laws of Attraction and Repulsion previously discussed.

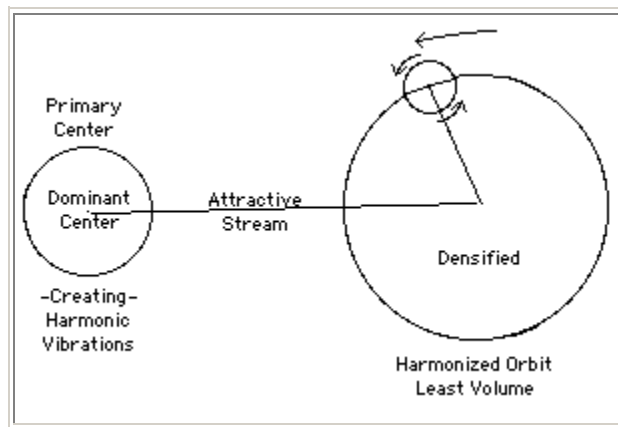


Figure 9.26 - Harmonized Motions (increased energy)

**9.55 - Harmonized Motions** - When the attractive harmonic influence bears on the center the subservient adjunct orbiting electrons will tend to assimilate to their general center all the while gaining energy - in discrete leaps or steps. Likewise neighboring centers will tend to assimilate each other as the medium densifies as energy increases. This is the absorptive state, mutual affinization or harmonic stream.

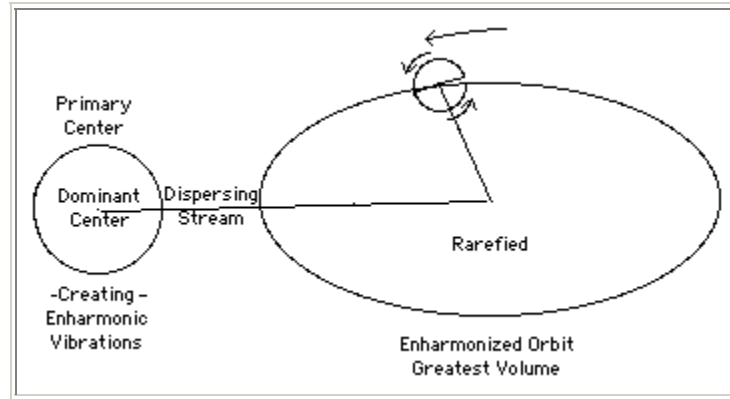


Figure 9.27 - Enharmonized Motions (decreased energy)

**9.56 - Enharmonized Motions** - When the dispersive enharmonic influence bears on the center the subservient adjunct orbiting electrons will tend to disperse away from their general center. Likewise neighboring centers will tend to repel each other as the medium rarefies as energy decreases. This is the dispersive state or enharmonic stream.

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*"A truth's initial commotion is directly proportional to how deeply the lie was believed. It wasn't the world being round that agitated people, but that the world wasn't flat. When a well-packaged web of lies has been sold gradually to the masses over generations, the truth will seem utterly preposterous and its speaker a raving lunatic."*

~~~Dresden James

[updated 10/15/07]
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Sympathetic Vibratory Physics - [It's a Musical Universe!](#)

Frequently Asked Questions 1 of 5

concerning SVP, John Keely and His Discoveries

Answers given by [Dale Pond](#). [FAQ2](#) - [FAQ3](#) - [FAQ4](#) - [FAQ5](#)

Q1) Is there any way you could provide me with more essential data such as equations or texts related to the theoretical developments of SVP, etc.? I find the historical text very time consuming and would prefer to get down to the nitty-gritty.

A1) [A comprehensive compilation of SVP can be seen here.](#) To know the man's history is to know his life and work. To know his life and work is to know his discoveries, philosophy and science. Keely worked with sound, vibration and music as applied to and through mechanics, Mind, philosophy, spirituality, chemistry, physics, etc. The basis of everything that there is is vibration. *"All force is vibration..." Cayce (900-422) "So is matter." Cayce (1861-16)* The study (for many centuries) of sound and vibration has been carefully and extensively organized into what has become the scientific basis of music. A careful and in-depth study of the arithmetic of music will reveal a great deal of the foundation "math" of the Keely legacy now called Sympathetic Vibratory Physics. All forces are vibratory and therefore the principles that govern music govern them as well.

This study into the [scientific basis of music](#) will be the beginning of "getting down to the nitty-gritty."

The second part of the question has to do with the EFFECTS of sound and vibration on "things" and processes. SVP holds that Mind (Will, Love & Spirituality) is the initiatory cause of all phenomena and it was this force Keely worked to harness. These phenomena fall into several areas of research. These being: acoustics, heat, light, etc. or the various categorizations of vibrations in their actions and reactions on, with and through "things." A great deal of SVP is scattered throughout several fields of science. This makes it difficult for the ordinarily trained person to grasp all the points required to develop a working knowledge. For this work it is far better to have a general knowledge in many fields rather than an in depth knowledge in one field - in fact it is essential.

The third issue is about the substance of SVP - the [Forty Laws of Sympathetic Vibratory Physics](#). Please review these for greater detail.

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Dear Dale, Thank you for the svp list... truly a blessing I've been lurking and enjoying the list as it evolves, revolves, involves, dissolves, ;>) ovals, xsolves, and makes the connections that are made..

| | |
|--|--|
| | good job! C.

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Q2) In acupuncture research there is some interest in measuring the property of Qi - although the medical/scientific model of neurophysiology is compelling, it is nowhere near complete, and I really wonder if there is a way to measure Qi.

A2) Not only is this interest to measure Qi, Chi, zen, telekinetics, etc. found in acupuncture research but also in dowsing, the various studies engaged in by this research organization, Randy the "exposurist", [Uri Geller](#) and his entourage of followers, the U.S. and foreign military "black ops" people and a wide assortment of other researchers.

All that can be said, by this writer at his point, is the evidence in support of this realm of mental/bio-dynamic phenomena has been overwhelming in support. There are many subjectively oriented methods of measuring these subtle energies. It is only a matter of time before qualitative and quantitative instrumentation is developed. There are highly qualified people working on this.

Q3) Can you point me to titles in your index that are potentially pertinent to my inquiry?

A3) According to the Chinese, one must begin at the beginning in any venture or adventure. There are a few highly recommended items to begin one's journey:

- a) [Universal Laws Never Before Revealed: Keely's Secrets](#) - this book explains a lot of Keely's work and history
- b) [The Physics of Love - The Ultimate Universal Laws](#) - this book gives some of the basic principles
- c) [SVP Basic Principles](#) - HIGHLY RECOMMENDED - a two (90 minute each) video set laying out some of the foundation principles of SVP not given anywhere else
- d) [SVP Compendium of Terms and Phrases](#) - collection of over 4,000 entries by Cayce, Tesla, Keely, etc., etc.
- e) [Scientific Basis and Build of Music](#) - a good basic text covering music theory (same one Keely studied, among others)
- f) Any other source of sound, vibration and music physics. While we carry several works on these areas our collection is not exhaustive and there are many others of importance.
- g) ALL of the Walter Russell books.

Q4) When is Atlin, the [Musical Dynasphere](#), going to rotate?

A4) No one knows. She is being mysterious as women sometimes are! Seriously, there is a timetable but we are not privy to its content. Certain things are to come to pass before the time is right. These appear to be:

- a) A greater (much greater) understanding of the [Dynasphere's dynamics](#) needs to be in place.
 - b) Certain matters of security are lacking and must be accounted for. (My house has been broken into at least twice since the beginning of this project.)
 - c) Various arrangements of mental, physical, molecular/atomic and spiritual forces are being coordinated among several of the team, Atlin and others.
- These are all things or situations we know are involved in the so-called graduation process that is to bring Atlin into a condition of perfect harmonization within herself, the immediate environment and the Cosmos as a whole - i.e., The **Law of One**. Some of this appears to be indicating that as soon as we get our acts together both individually and collectively the Dynasphere will rotate. Atlin is an instrument designed to have an involvement with the maker and operator as well as surrounding vibratory conditions. For more insightful detail on this aspect please see the [Messages from Spirit](#).

Q5) What is all this stuff about Keely and occultism?

A5) No one is here to re-educate you or propose anyone adopt any kind of religion, philosophy, point of view or attitude. It is requested only a fair, evenhanded and open minded review of the history that actually took place as near as can be found out. Or at least a fair facsimile of the truth without personal bias or prejudice (pre-judgements). Remember, most of what we have been finding of Keely's history are articles written by uneducated (in Keely's fields of endeavor) reporters most of whom had vested interests of one kind or another. There ought to be a note somewhere qualifying these reporters and their reports not as Holy Truth or actual verified fact but as someone's opinion as to what he either heard (second hand), thought they saw or presumption based on a poor knowledge base at best. Even the best professors shook their mystified heads concerning Keely's work. How could an untrained reporter ever hope to get it right?

The most prominent misunderstanding around Keely requiring elucidation is the definition and use of "occultism" and similar words, concepts, ideas and practices. Keely's history is peppered with it and an accurate and concise understanding is **ESSENTIAL & IMPERATIVE**. In today's parlance we would call this arena of research **Sacred Science**. [Keely harnessed MIND FORCE](#) and all these poorly understood subjects are sub-categories of what **MIND** is and what **MIND** does.

OCCULT: 1. Hidden from the eye; concealed. 2. Dealing with or in the arts or practices involving the supposed action or influence of supernatural agencies or some secret knowledge of them, as alchemy, magic, necromancy, astrology; also, relating to these arts, as, occult sciences or philosophers. (Webster's New International Dictionary (the big one) of the English Language, 1947.)

The second definition is the one used by those who unthinkingly parrot the uninformed establishment's lies, half-truths, innuendoes and general (traditional) usage. The first definition is the one I and others use as it is the correct usage when applied to the Keely

story for instance. When one fully understands what [HPB](#) says in her various books then they too begin to use the first definition - even as she used it. She was the first to admit there is no supernatural anything as everything in the universe is a part of the universe and nothing is super or beyond it or outside of it. (There are a great many things beyond and outside of man's awareness however. This is what occult really means when correctly used.) What she, Keely and others dealt with were the higher forces or subtle energies we are only now coming to recognize and understand and use in science and technology such as Chi, Qi, zen, bio-dynamics, Sacred Science, etc. That these forces and energies were unrecognized by earlier scientists and technologists did not preclude their existence. The [chart delineating Matter and Force](#) categorizes these forces with those as conventionally understood. It is an accurate chart as far as it goes. Current science and technology (applied science) is more of a political and social issue than any unbiased pursuit of real knowledge. It is in fact a pursuit of more tools, products and processes to put at the command of those who pay (and therefore control) them. There are even times when the pursuit itself is the end result demanded by their controllers as for instance in the search for so-called cancer cures or for the ever elusive and expensive secret to hot fusion. What is the broadest use of science and technology now? War on and control of people everywhere. In other words, to maintain the status quo, dogma and doctrines of those in control and who are constantly waging war in the form of suppression and destruction of any activity that threatens their perceived comfort level. Such as unabashed discovery and application of new knowledge and points of view. When we recognize this then we have cleared the veil from our own eyes and we can then begin to perceive the Truth as opposed to the enforced standard and accepted (politically correct) belief system.

Those renegade researchers like Keely, HPB, Steiner, thousands of others, who have traveled the established and accepted path of dogma and doctrine eventually discovered this path led nowhere. "We already know this stuff!" Only when one steps outside of this well-worn path do they begin to see new things and new ideas that are the very essence of discovery, invention and broadening of mankind's awareness and capabilities. What is accepted dogma and doctrine can be nothing but what is already known, i.e., old knowledge. The only way to get at new knowledge is to step beyond the known dogma and prescribed systems of belief into the unknown (the mystery yet to be solved). So the first definition as given above is correct when we consider that which is unknown is where the new will be found. So this is why people like Keely were "driven into the arms of occultism" not because they were shunned so much by orthodoxy but because they sought the truth and the truth cannot be found in orthodoxy's already known knowledge base of erudite materials. The truth can only be found within the confines of that which is hidden from orthodoxy's history of what it has already done. This unmarked veiled land of discovery and invention is the great mystery that is all that they do not already know about. In other words, orthodoxy does not know all there is to know about all there is in the universe (although they would have you to believe otherwise). That which they do not know about is "occulted" to them by its very nature of not being known and recognized. So those who delve into the mysteries as it were are those who delve into realms not recognized by standard definitions, dogma and doctrine or accepted belief systems.

Q6) So if this is true where is the Satanism in occultism? Where is the cause for derision of those who wish only to seek the truth instead of regurgitating someone else's prescribed beliefs and opinions?

A6) Admittedly there are those misguided ones who think it is OK and perhaps profitable to pursue what is commonly referred to as Satanism, devil-worship and the like. This is a perversion of the truth and an abomination to the very nature of what it means to be human. These, are for the most part, people who live in constant fear (the grand effect of ignorance) and wish, through these types of practices, to acquire power, control, a sense of security or whatever to appease their uncontrolled fear and apprehensions. If there is a Satan his real name is FEAR & IGNORANCE. This pursuit of FEAR appeasing methodologies is not what is meant by the proper use of the word and concept of occultism.

So the search for the truth is one thing. The practise of ignorance to appease fear is altogether another thing and the difference **MUST** be understood. Otherwise we become practitioners of the moribund arts when we promote a false understanding (ignorance). The promotion of a false doctrine (ignorance) engenders fear which promotes more ignorance and more fear which eventually becomes a descending spiral into one's own hell. So any person, organization, act, word or promotion of ignorance and fear is the real evil and may rightfully be termed work of the Devil. As an example, who nowadays is actively promoting ignorance and fear? Persons in control and who are afraid of the Truth promote ignorance and fear as a mechanism of control. Why? To keep the truth from being learned and used against them - or so they tell themselves. They perceive the Truth as a threat because their power structure is always created by, maintained and based on lies, ignorance and fear. The truth dispels lies.

This is why it is so important to be seeking out the truth and to live it whether through one's actions, thoughts, words and (in this case) writings.

So now you can see why Keely and those of his brilliant and inquisitive meddle shun the establishment's inadequate store of incomplete (false) knowledge and seek to pierce the veil of yet unrevealed mysteries of nature in pursuit of still greater knowledge, awareness and understanding. Where do you think the fields of chemistry and astronomy came from? By people seeking out the truth even when opposed by the establishment and its power structure. Renegades like Galileo, Copernicus, Columbus, Keely, Tesla were all condemned by the establishment. Not because they were teaching lies and evil falsehoods but because they courageously went against the system and sought out the truth and were expounding it as a Greater Truth. Thus, intentionally, or unintentionally as the case may be, exposing the lies and falsehoods of the established teachings.

When the real evil is ignorance (incorrect knowledge) who is the perpetrator of evilness those who unthinkingly (and far more than we care to admit, intentionally) perpetuate falsehoods and condemn the new understandings or those who courageously pursue new knowledge even though they come "under the gun, guillotine or poison pen?"

All the above can be demonstrated very easily by simply visiting a maker of musical instruments. There one will find a Garden of Eden of ideas and questions explode into consciousness by being exposed to this fascinating art and science even for a few minutes. How can odd bits and pieces of wood, glue and metal be fashioned and assembled to create such exquisite sounds and melodies that provoke the heart strings, memories and emotions? How is it that the very spirit and attitude of men and women can be so easily manipulated by musical tones and phrasing? A sweet lullaby from the strings of a violin makes us sad or even cry. A resounding march played with brass and drum instruments can stimulate courage, boldness and action. Why and where is this extraordinary power occulted in music? This demonstrates that the knowledge one now possesses (memory) is as a tip of an iceberg when compared to the knowledge one does not yet possess (new learning). So where is the greater Truth to be found - in one's already established knowledge base (memory) or in that yet to be discovered (unveiled), experienced and acquired?

When any of this comes in doubt or someone depreciates Keely's story simply ask them:

Q7) Why don't armies on the move march to violin or piano music? What is this characteristic of music that fires up an army or quiets down a baby? WHY?

Q7) Because music appeals to the physical, emotional, mental and spirit of men.

Q8) WHY?

A8) It is a [multi-dimensional dynamic](#) - the only multi- dimensional tool we have at our disposal.

Q9) WHY?

A9) Because of its inherent and hitherto occulted (unseen and unrecognized) properties associated with harmonics and sympathetic vibrations as defined by number and natural law. The numbers we can figure - the [laws are those Keely left](#) for us to understand and use.

These are some of the hidden gems of the Keely mystery which can only be learned and appreciated by investigation into the nature and physics of vibration. However, this is but an open portal to where there are many gems of untold grandeur and riches for the spiritual, mental and physical natures of mankind. When you understand the vibratory and musical connection the universe takes on a far greater perspective and meaning.

There is a vast confusion concerning resonance and sympathetic vibration. It is this imperfect discernment between these two ideas that prevents a greater understanding and use of the Keely's Sympathetic Vibratory Physics. There is even confusion in the translation of the [Steiner quote](#) about "the science of the future being based on sympathetic vibration." But in another translation it is more or less erroneously referred

to as resonance of some kind or another. I am preparing a paper for the [International Association of New Science Conference to be held in May, 1997 in Denver.](#)

Resonance and sympathetic vibration are two entirely separate and different phenomena. I feel this confusion has held back science and vibration technology for far too much time. I am attaching below the preliminary writing of my paper here so you can see what I am talking about. It will read a bit difficult because it is the first draft and will require a great deal of rewriting.

Q10) What is the difference between Resonance and Sympathetic Vibration?

A10) There is an infinity of "God particles" or those centralized states of neutralized (equilibrated) force/energy fields (sometimes reminiscent of the [Akasha or Æther](#) of the ancients). Initially a portion of this primary concept is reflected accurately by Keely's first **Law of Sympathetic Vibratory Physics**. This is the beginning of matter. The energetic or force fields will be discussed further on under the **Law of Force**.

Law of Matter and Force - "Coextensive and coeternal with space and duration [time], there exists an infinite and unchangeable quantity of atomoles, the base of all matter; these are in a state of constant vibratory motion, infinite in extent, unchangeable in quantity, the initial of all forms of energy."

Realizing that these atomoles (quantum units of centralized force or the ancient ether) are infinite in quantity, they must be very small indeed. However they themselves are divisible into atomolini a yet smaller (ancient Æther) and more energetic "quantum unit of centralized force". These are "ultimate units of atomoles, and when in a liquid state are the media for the transmission of gravism. The [illimitable divisibility and aggregation of matter](#) is a logical sequence."

These forming a vast [colloidal](#) type substance of infinite density permeating infinitely in all space and duration (time). Of what are these things composed? In their inner depths and at the smallest conceivable level of substance they have the idealized form of a rose bud though tawny in color. This [rose bud pattern](#) is simply a human consciousness conceptualization. They are not really rose buds but the form helps us to visualize meaningful dynamics. What is in these tiniest of things? The internal portion is infinite consciousness while the outer form was applied consciousness or what we would call intelligence (consciousness made manifest through application). The forces engendered are mathematical and geometrical formulations and expressions of pure creativity in its actions of Creative Beingness.

The aspect of the bud is such as to convey the concept of fertility, life, germination, flowering and the whole host of concepts that indicate the fecund nature of these [Cosmic Eggs or Cosmic Buds](#). It is these that are the seed of materiality. These being infinite in number and location indicates the infinite abundance of Nature literally at our Mind's beck and call.

What connects these infinite Cosmic Buds and our Minds together is what Keely referred to as gravism which is "the transmissive form [of force] through a medium of atomoles in the fourth state, or a medium composed of atomolini."

To understand this we are obliged to review the **Law of Force** - "Energy manifests itself in three forms: Creative, the vibrating aggregate; Transmissive, being the propagation of isochronous waves [having a fixed time or period] through the media in which it is immersed; Attractive, being its action upon other aggregates capable of vibrating in unisons or harmony."

So gravism is the Transmissive form of force and it is this that binds the universe of atomolini together into a homogenous colloidal mass not unlike gelatin having an infinite density and it may be added having a neutral polarization. The **Law of Transmissive Vibratic Energy** states: "All coherent aggregates are perpetually vibrating at a period-frequency corresponding to some harmonic ratio of the fundamental pitch of the vibrating body; this pitch is a multiple of the pitch of the atomole." Since these atomolini are infinitely small their frequency is infinitely high with an infinitely short wave length. These highest of high vibrations may cause what is known as a standing wave field. At the junctures of the waves is where these Cosmic Eggs/Buds reside and have their existence. All of the above assumes a perfectly uniform and homogeneous field strength, quality and total lacking of any localized disturbance.

A standing wave field of this magnitude and density containing harmonic waves of this nature is by virtue of the **Law of Attraction** - "Juxtaposed coherent aggregates vibrating in unison, or harmonic ratio, are mutually attracted." It is assumed the higher the "Q" or degree of unison the greater the degree of attraction and hence the greater the density. This may better be expressed as a degree of sympathy. The greater the sympathy (coincidence or concordance) the greater the attraction.

A well-known and accepted property of infinite density is instantaneous transmission (infinite rate of propagation) of vibratory phenomena such as sound or an impact or a thought. Therefore gravism is synonymous with pure sympathy, love, thought, Mind and Christ Consciousness.

This latter because thought released is instantly everywhere because as this medium transmits instantly it may be said to be as a single solid monolithic substance evidencing the initiated and transmitted thought without time or discordant modulation. Even though it acts as though it were one limitless thing in actuality it is an infinitely large collection of an infinite number of individual parts behaving as One part yet retaining their individuality. They are all perfectly sympathetic or concordant one to another.

This simultaneous action and reaction is the result of the "isochronous waves" which are in reality vibrations sympathetic to the original and recipient nodes called so because of the following. These may also be referred to as standing scalar waves reaching from one Cosmic Bud center to centers around it. Each Bud center is located at the center of one of the nodes formed by these waves as they form interference patterns. Thus the centers are

juxtaposed or equi-distant (or aliquot harmonic divisions thereof) from each other, in all directions, and subsequent centers are likewise located at a node center. So the end effect is placement of centers at every harmonic wave interference point with relation to all centers simultaneously. This action is explained rather clearly in the **Law of Transmissive Vibratic Energy** - "All oscillating and vibrating coherent aggregates create, in the media in which they are immersed, outward propagated concentric waves of alternate condensation and rarefaction, having a period-frequency identical with the pitch of the aggregate. - Scholium: All forms of transmissive energy can be focused, reflected, refracted, transformed, and diminished in intensity inversely as the square of the distance from the original source." So we can see that those waves of gravism are sympathetic with/to its source as they are created by that source and received by another sympathetic body.

These waves then are also obedient to the **Law of Harmonic Pitch** - "Any aggregate in a state of vibration develops in addition to its fundamental pitch a series of vibration in symmetrical sub-multiple portions of itself, bearing ratios of one, two, three, or more times its fundamental pitch." This, of course, describes the law that whereby harmonics and partials are created naturally from a fundamental.

Resonance and sympathetic vibration are more often confused as each other than not. For instance in McGraw-Hill's Dictionary of Scientific and Technical Terms, 3rd. ed., 1984; we find these two very confusing definitions:

Resonance - [PHYS] 1. A phenomenon exhibited by a physical system acted upon by an external periodic driving force, in which the resulting amplitude of oscillation of the system becomes large when the frequency of the driving force approaches a natural free oscillation frequency of the system. 2. In general, any phenomenon which is greatly enhanced at frequencies or energies that are at or very close to a given characteristic value.

Sympathetic Vibration - [PHYS] The driving of a mechanical or acoustical system at its resonant frequency by energy from an adjacent system vibrating at the same frequency.

As can be seen the two definitions are pretty much the same thing said with different words unless read with great discernment. These definitions are descriptive of the perceived result as though each phenomenon was an isolated event. However we must make a distinction because this distinction will be all important in the pursuance of greater understanding of vibratory phenomena. In SVP we refer to a sympathetic vibration as a specific type of vibration. We do not consider it an end result of something else although these vibrations are emitted from a source and are in actuality, in their introductory phase, a result of the source's vibration. This is much like a baby that is the end result of it's mother's pregnancy. A little later in its development it is considered as a causer of actions in its own right. Why there are phases or cycles that appear to spontaneously appear, merge, converge and phase away is explained in the **Law of Cycles** - "Coherent aggregates harmonically united constitute centers of vibration bearing relation to the fundamental pitch not multiples of the harmonic pitch, and the production

of secondary unions between themselves generate pitches that are discords, either in their unisons, or overtones with the original pitch; from harmony is generated discord, the inevitable cause of perpetual transformation."

For instance take two vibrating or oscillating objects. The first is under self or natural resonance (as are all objects) conforming to the **Law of Harmonic Vibrations** and produces a wave train as described above under the **Law of Transmissive Vibratic Energy**. It is putting out a series of harmonic waves arithmetically relative to its fundamental pitch. These waves radiate outward according to the **Law of Force**. Therefore we have the first object in a state of vibration creating a series of waves that speed outward establishing a modulation on the media which surrounds this object. These then, at this point are the Transmissive waves as they propagate outward. The second object is therefore subject to modulation according to the **Law of Sympathetic Oscillation** as mentioned above. Due to the fact that the second object has vibrations synchronous with the waves being created and propagated by the first we say it is sympathetic to the first. Therefore the vibrations traveling to and from each object that are sympathetic to each are sympathetic vibrations. The vibrations themselves are sympathetic to the Creator and the Attractor. So where in the above definition there is reference to the "mechanical or acoustic system" and "an adjacent system" being two systems - in our more precise definition we acknowledge three discrete systems acting together. The missing third system being the peculiar vibrations sympathetic to both systems. The third system is the vibrations themselves. There are also, in this particular vibrating media, vibrations that are not sympathetic and may be classed as antisymphathetic, unsymphathetic, anharmonic, enharmonic or discordant. These latter ones being developed by the **Law of Cycles**.

To clarify even more we would state the second object is now in a state of forced resonance or amplified resonance brought on by the sympathetic vibrations created and transmitted by first object as it was experiencing its own natural resonance. Therefore resonance is an effect brought on by the additive influence of sympathetic vibrations. This is referred to in modern audio circles as Frequency Modulated Additive Synthesis (as in FM radio) or at times it is Amplitude Modulated Additive Synthesis (as in AM radio) . So for purposes of SVP we redefine and clarify the definition of:

Symphathetic Vibration - The vibrations themselves emitted from a vibrating body that are synchronous to both their creative source (the emitting body) and another body's natural resonance. This second body will naturally attract, absorb or assimilate sympathetic vibrations to itself. The second body will not be attractive or sympathetic to discordant vibrations. According to research already done(1) these attractive waves may be many times greater in force than the propulsive waves.

You see, here is where the usual sledge hammer approach is seen. Usually a transmitting body is given tremendous power of amplitude to overcome the antisymphathetic conditions it is forced to operate in so it can create and then transmit sufficient "power" to literally pound or force the unreceptive or unsymphathetic second body into resonance. The art comes in as we learn how to tune or graduate machines and devices in a multi-

dimensional manner thus insuring a more perfect concordant action/reaction (sympathy between the creative source, the transmissive medium and the receptive target). SVP is concerned with the discovery, learning and application of this art and science.

When the three vibrate as One there is Pure Undifferentiated Sympathy or Love. This is what Sympathetic Vibratory Physics is all about.

References

(1) Embleton, T. F. W., Mean Force on a Sphere in a Spherical Sound Field I & II; The Journal of the Acoustical Society of America, Volume 26, Number 1; January, 1954, page 40-50.

Q11) How do you explain the discovery of evidence and subsequent accusations of fraud surrounding Keely?

A11) Nowadays, in any machine shop there are wires, tubes and piping throughout the shop and its walls. These are used for conducting air pressure piping, vacuum lines, hydraulic lines, water, steam, electricity and now telephone and computer communications. Some of the lines "discovered" in Keely's shop after his death were for similar purposes. He developed his etheric vapor and piped it around the shop for use in his many devices. Besides this it is believed by this writer that there was a concerted effort to:

1) abscond with Keely's devices and work by one [Mr. Kinraide](#), et al . - There were certain and mysterious connections between [various persons and special motivations](#) for "making off" with Keely's machines and papers. A lot of this we have documented. There are a lot of unanswered questions and leads needing follow up. There is a [detailed study](#) of the events surrounding the people who made these alleged revelations. This should be released some time this year (1997). We have been informed by Spirit his machines and research notes were divided into three collections after his death. The smallest batch went to Y-12, U.S. Government facility. The second set went to an unknown research facility in Siberia. The third and largest set was acquired by [Andrew Carnegie](#) and hidden covertly in Scotland (no one knows it is where it is). Carnegie (once said he and JP Morgan owned everything there was to own in America) was afraid Keely's work would threaten his various monopolies so he got rid of it. A comprehensive effort was then instigated to write Keely out of history.

2) obfuscate the real importance of what was discovered. - Keely's work was a [direct threat to the power establishment](#) at that time. [It still is](#). It is theorized (confirmed by Spirit) Keely's work was deliberately taken "underground" to protect it for future use when mankind no longer threatened the planet's very existence with bad attitudes, war, social manipulations, etc.

3) vent a lot of fear and derision. - All during Keely's lifetime he was [accused of being a fraud](#), etc. by reporters, etc. One should [read his history](#) to get a better idea of the extent and motivations of the accusers and what really took place.

4) misinterpretation of data. - Some of the items "discovered" were Keely's tools and instrumentation. These devices were developed to pursue his work with Sympathetic Vibratory Physics and used vibratory principles. With the exception of very few persons the design, function and dynamics of these items could not have been properly understood. And to cover their own ignorance would have mislabeled and declared them a fraud. Nearly every new and revolutionary device ever made was pompously pronounced a fraud by "experts" at the time of its introduction - like the telephone, long distance power transmission, heavier than air flight, cold fusion, the entire western hemisphere, etc, etc.

5) calumniate (falsely accuse) to cover other's embarrassing lack of knowledge. - For instance, it is rumored Edison exposed Keely's fraud during a visit to his lab. The truth is Edison never visited Keely or his lab. A lot of this type of negative activity is associated with Keely's work. One of its origins is FEAR of his knowledge which is erroneously perceived by some as a threat to their own self-image, job and education qualifications, etc. There are even some who believe that if they admit Keely was right would automatically mean they are wrong. This is an irrational ego-based attitude with no foundation in reality, morality or purpose. **So it is far easier to label Keely a fraud than it is to admit one does not understand his work and needs a little (or a lot) more education.**

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