

The Connecting Link  
between the  
Non-observable  
Scalar Etheric Domain  
and  
Observable  
3-D Materiality

Quotes from the [SVPwiki.com](http://SVPwiki.com)

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# Connecting Link between the Scalar Etheric Domain and 3-D Materiality

Quotes from the SVPwiki.com

That which connects [vibration](#) to [vibration](#) is [harmony](#), [unison](#), [sympathy](#) and [Love](#). **Sympathetic Vibration** or the **connecting link**, [harmony](#), is best understood through the [Laws of Harmony](#) or [Laws of Music](#). Connection is made by/through [sympathetic vibration](#) or [sympathetic oscillation](#) between frequencies which frequencies may be [resultant tones](#) or simple [overtones](#) ([Overtone Series](#)) or [undertones](#) of a [fundamental tone](#).

*"Force and energy is accumulated and held [latent](#) in interstitial space by corpuscular [aggregation](#), otherwise the progressive [disintegration](#) of [water](#) could not induce increased volume and [pressure](#). The [sympathetic latent power](#) is held in interstitial corpuscular [aggregation](#) by the incalculable [velocity](#) of the [molecular etheric capsule](#) and the [atomic etheric capsule](#), which rotate at billions of times per second.*

*"Corpuscular activity represents the outflow of the [ether](#) from the luminiferous toward [neutral centers](#) of [aggregation](#), revealing the **connecting link** between [mind](#) and [matter](#). This luminosity has no thermal accompaniment, yet all thermal conditions evolve from [etheric](#) vibration."*

*"The mighty forces [latent](#) in corpuscular [matter](#) are held in oscillating [vortex](#) action by this [latent power](#) exchanging sympathetically with the [celestial radiating stream](#) - the inflow attracted by [receptiveness](#) and the outflow impelled by [expressiveness](#) - giving [light](#), [heat](#), [magnetism](#), [electricity](#), each in its different order, by positive [radiation](#)." [The Snell Manuscript](#)*

*"Mr. [Sinclair](#) is as firm in his belief as is Mr. [Keely](#) that this element [[sympathy](#)] is the great **connecting link** between the [Creator](#) and the created, and that it is capable of rendering more marvelous services to man than all the discovered uses of [electricity](#)." [A New Creed](#)*

*"There is no [conductivity](#) in the [ether](#) lines", writes [Sinclair](#), "for [selfish](#) desires and motives; for they are not of the [soul](#), but are only sounds of the lips" (or wishes of the material part of us), "so that the established **connecting-rod** between the living [soul](#) and the [source](#) of [life](#) is insulated from desires that are not begotten in [sympathy](#), and they at once run to [earth](#). Where there is no connection there can be no communion. Without the natural **sympathetic***

**etheric connection** between the Source of Life and the soul, there can be no communication". "**A New Creed**", like the sympathetic etheric philosophy of Keely, reveals the **connecting link** between the finite and Infinite, and teaches us that the primal law of evolution? and of progress is slowly but surely preparing our race for the time when Christianity will be something more than a mere profession, and the brotherhood of humanity will no longer be the meaningless phrase that it now is. We are led to see, by this pure philosophy, that "our solar system is a type of a healthy social system; that in it each one affects, binds, controls, sustains, helps, makes free each other; that no star lives for itself alone; that man was not made to mourn; and that our sufferings arise from our ignorance of the laws governing the innate motive power within us." A New Creed

### **Law of Harmony**

"When one looks in nature of every character, the first law is harmony, and is of divine origin, even as life, and when same is not in accord WITH that of the Creative Energy, or God, discord is the result." Cayce (4733-1) (underline added)

"... music that spans the distance between the finite and the infinite." Cayce (3621-1)

"For music alone may span the space from the realms of the divine to the spheres of activity." Cayce (3509-1)

"For remember, music alone may span the space between finite and infinite." Cayce (3659-1)

"Music is the one element which may span the distance between the sublime and the ridiculous." Cayce (5253-1)

".. music, - that is of the nature that brings into association those forces of the celestial as well as the mental and spiritual..

"Then, give particular attention to the music in the experience of the entity; not only as the channel, but as an outlet for itself in its desires for expressions in the mental and the spiritual. For, hath it not been said that only music may span the space between the finite and the infinite? The entity's music maybe the means of arousing and awakening the best of hope, the best of desire, the best in the heart and soul of those who will and do listen. Is not music the universal language, both for those who would give praise and those who are sorry in their hearts and souls? Is it not a means, a manner of universal expression? Thus may the greater hope come." Cayce (2156-1) (underline added)

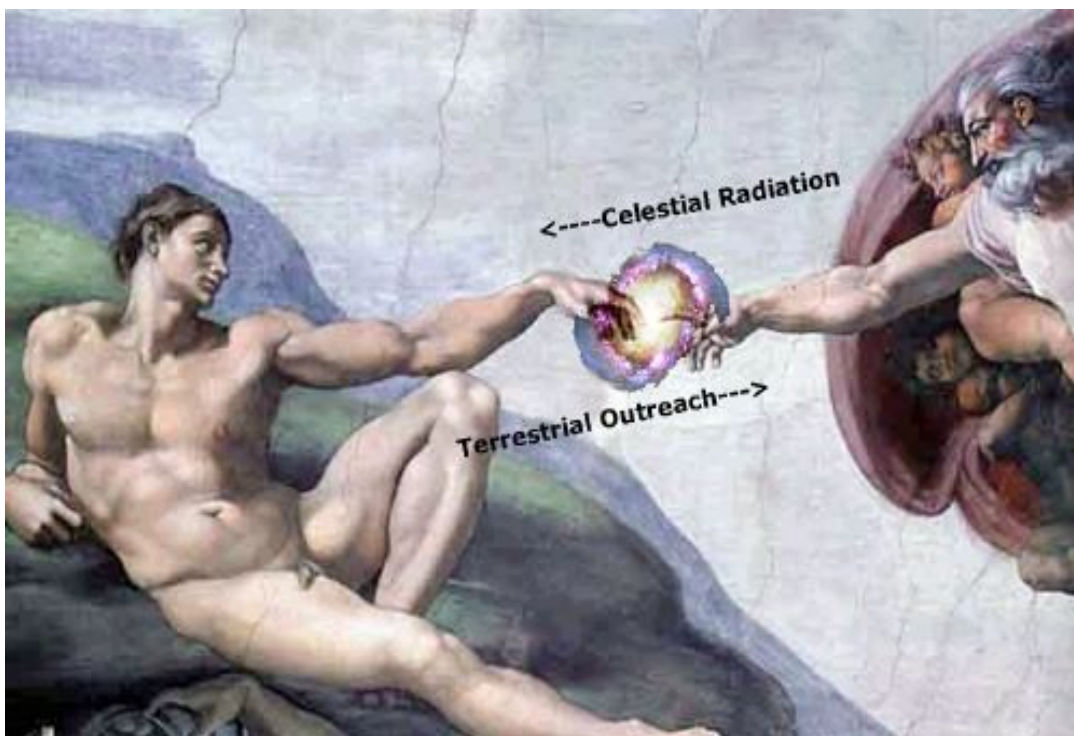
"Music is what appeals to the latent and the creative force within the entity. For music alone may span the sphere from the sublime to the ridiculous - from the finite to the infinite - from the spheres of activity to realms of the divine. Music is like color, like tone, in that it is a destructive or a creative force - depending upon

that to which it appeals, in its influence upon individuals." Cayce (622-2)

"Do learn *music*. It is part of the beauty of the *spirit*. For remember, *music* alone may span the space between *finite* and *infinite*. In *harmony* of *sound*, in *harmony* of *color* - even in *harmony* of *motion* itself - all *beauty* is akin to the *soul* - *self's* expression of *harmony* of the *mind*. That is, if all these are used properly in relationship to *body*.

"Not that *music* is to be made the major portion of thy *life*. But let much of thy *life* be controlled by the same *harmony* which is in the best *music* - yea, in the worst *music* also, for it too has its place. But cling to that which you experience by listening and watching a mother sing the lullaby? of Brahms. Catch something that is shown in the *love* and *emotion* of the *body* as it sings the Song of Songs?, or in the pure, true notes of Songs My Mother Taught Me." Cayce (3659-1)

**Figure 10.04 - Polar Mind of Man Connecting to Depolar Mind of Deity**



**Figure 10.04 - Polar Mind of Man Connecting to Depolar Mind of Deity**

Figure 9.1 - Sympathy Connecting Neutral Centers

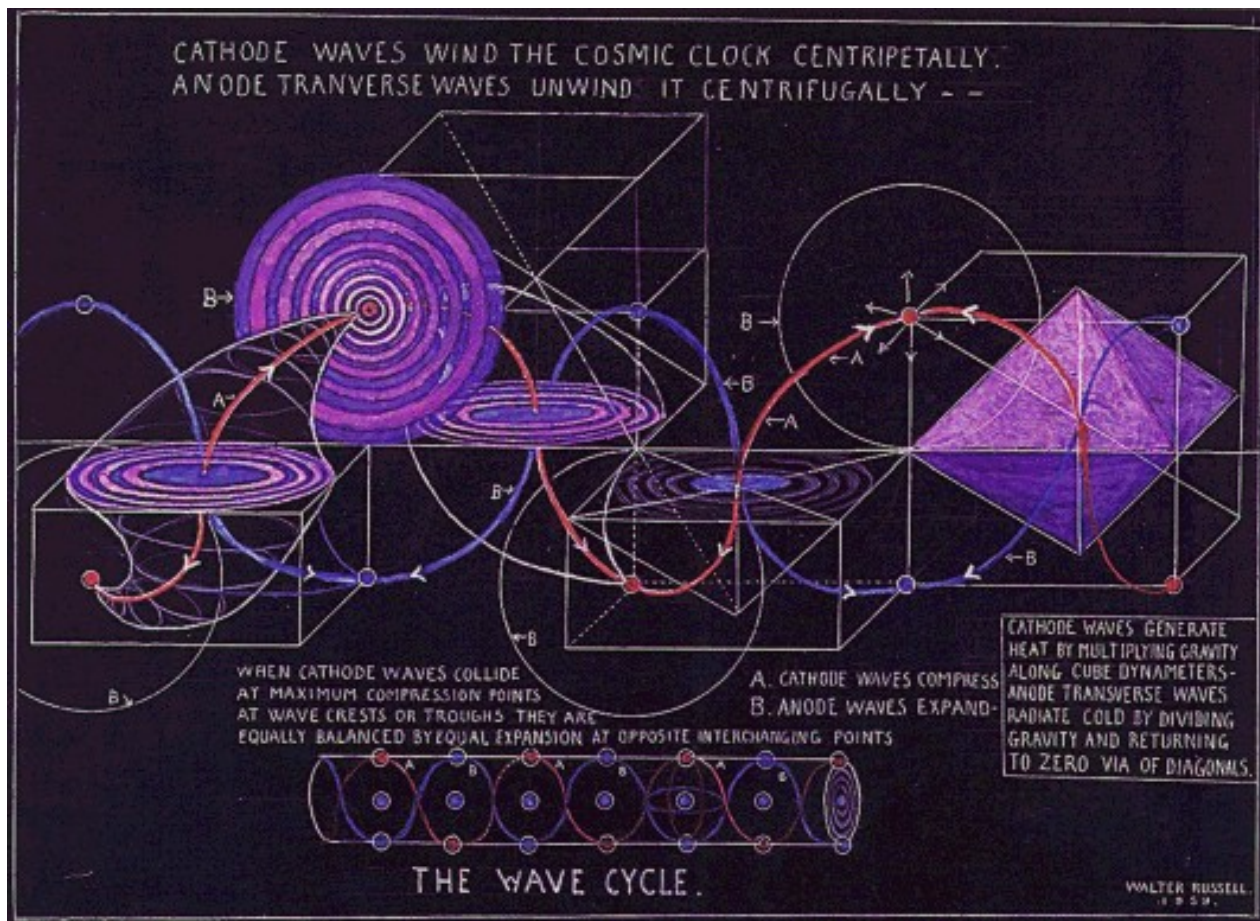


Figure 9.1 - Sympathy Connecting Neutral Centers

courtesy University of Science and Philosophy

## Vibratory Physics - The Connecting Link between Mind and Matter

### Keely and His Discoveries, Chapter XIV

#### VIBRATORY PHYSICS.

##### THE CONNECTING LINK BETWEEN MIND AND MATTER.

"The elements of Nature are made of the *will of God*." - Hermes Trismegistus.

"*Newton and Faraday* have indicated how *force* instead of leaping over nothing, acting at a distance, is transmitted consecutively through the *ethereal substance*.

"We must become as little children, not presuming to think of causes efficient, or causes final; for these are things we cannot grasp; but reverently and patiently waiting until, like a revelation, the hidden link between the familiar and the unfamiliar flashes into our *mind*, and thus an additional step is gained in the endless series of successive generalizations." - The Rev. H. W. Watson?, F.R.S., President of the Birmingham Philosophical Society.

"All *truth* comes by *inspiration*." - Scripture.

"There is but one *Deity*, the Supreme *Spirit*: he is of the same nature as the *soul of man*." - Vedic Theology.

"As for *truth* it endureth and is always strong, it liveth and conquereth for evermore." - Esdras?.

"Everything happens according to the *will of God* and has its appointed time, which can neither be hastened nor avoided." - Mohammed?.

In the paper of the Rev. H. W. Watson?, on "The Progress of Science, its Conditions and Limitations," he tells us that every thinking man recognizes the subjective *Self* and the objective non-Self, and that this non-Self, so far as it manifests its existence through the senses, is the object of investigation of natural philosophers; but he admits that their investigations have not bestowed upon modern science any results to justify the language of causation. Universal *gravitation* is declared to be a vast generalization, telling us that there is no more, but yet just as much, of mystery in the whole sequence of astronomical phenomena, as in the most humdrum processes of every-day experiences. The unfamiliar has been explained by the familiar, and both remain in their original mystery. The mystery, attendant upon *gravitation*, *Kepler* prophesied would be revealed to man in this age: and the cautions and inductive investigations which *Keely* has been pursuing, since 1888, have enabled him to demonstrate that the unknown force, which for fifteen years had baffled all his skill, is the same

condition of [sympathetic vibration](#) which control nature's highest and most general operations:- the identical force which [Faraday](#) divined when he wrote, in 1836: *"Thus, either present elements are the true elements, or else there is the probability before us of obtaining some more high and general [power](#) of nature even than [electricity](#), and which at the same time might reveal to us an entirely new grade of the elements of [matter](#), now hidden from our view and almost from our suspicion."*

It was good advice given by the late Professor Clifford?,- *"Before teaching any doctrine wait until the nature of the evidence can be understood."* But without attempting to teach [Keely's system of vibratory physics](#), we may look into some of his views, notwithstanding the fact that, whatever truths there may be in them, they are approached from such a different standpoint, than that of the platform of mechanical physics, that it is utterly impossible to bring them into any definite relation with each other.\* Dr. Gerard?, of Paris, in his work on "Nervous Force," writes of this founder of a new system of philosophy: *"The force discovered by [Keely](#) appears to me to be so entirely the counterpart of what passes primarily in the brain cells that we see in him but a plagiarist of cerebral dynamics - that is, he has had but to copy the delicate human mechanism to make a wonderful discovery; probably, the greatest the world has ever known. The world plagiarist has no deprecatory meaning as applied to the great American inventor, for he must possess an extraordinary power of assimilation to read so fluently the open book of nature, and to be able wisely to interpret her admirable law: it is, therefore, with profound admiration that I here render homage to this man of science."*

Dr. Gerard?'s work treats of the production of [electricity](#) in the nerve centres, and its accumulation in storage. He says that fifty years ago it would have been difficult to explain this fact intelligently; but thanks to the scientific progress of the period, everyone now knows how [electricity](#) is produced, and how applied, to use in lighting our houses. He continues: *"Let us say, then, in few words, how matters stand, for it will serve to illustrate how it is with our [brain](#), the mechanism of which is precisely the same - only that our apparatus is much more perfect and much less costly."*

*"A dynamo-electric machine is placed at any given spot; its object, being put in action, is to withdraw from the earth its [neutral electricity](#), to decompose it into its two conditions and to collect, upon accumulators, the [electricity](#) thus separated. As soon as the accumulators are charged, the [electricity](#) is disposable; that is, our lamps can be lighted. But what is marvelous in all this is that the forces of nature can be transformed at [will](#). Should we not wish for [light](#), we turn a knob and we have [sound](#), [heat](#), [motion](#), [chemical action](#), [magnetism](#). Little seems wanting to create intelligence, so entirely do these accumulated forces lend themselves to all the transformations which their engineer may imagine and desire. But let us consider how greatly superior is our [cerebral mechanism](#). In order to light a theatre we require a wide space, a dynamo-electric machine of*

*many horse-power, accumulators filling many receptacles, a considerable expense in fuel, and clever mechanics. In the human organism these engines are in miniature, one decimeter cube is all the space occupied by our **brain**; no wheels, no pistons, nothing to drive the apparatus, we suffice ourselves. In this sense, each of us can say, like the philosopher Biaz?:- Omnia mecum porto. Our cerebral organ not only originates **motion, heat, sound, light, chemical actions, magnetism**, but it produces **psychic** forces, such as **will**, reasoning, judgment, hatred, **love**, and the whole series of intellectual faculties. They are all derived from the same source, and are always identical to each other, so long as the **cerebral apparatus** remains intact. The variations of our health alone are capable of causing a variation in the **intensity** and quality of our productions.*

*"With a maximum of physical and **moral** health, we produce a maximum of physical and **moral** results. Our manual labour and our intellectual productions are always exactly proportionate to the **integrity** of our mechanism."*

Dr. Gerard? has, it will be seen, grasped the same truth that Bruckle? enunciated in his lecture, 'The influence of Women on the Progress of Knowledge', when he affirmed that not one single discovery that had ever been made has been connected with the **laws** of the **mind** that made it: declaring that until this connection is ascertained our **knowledge** has no sure basis, as "*the **laws** of nature have their sole seat, origin and function in the human **mind**.*" This is the foundation stone of **vibratory physics**, that all **force** is **mind force**.

All the forces of nature, writes **Keely**, proceed from the one governing force; the **source** of all **life**, of all energy. These ((sympathetic flows,)) or streams of force, each consists of three currents, **harmonic, enharmonic, and dominant**; this classification governing all orders of positive and negative **radiation**. The **sympathetic flow** called "**Animal Magnetism**" is the transmissive link of **sympathy** in the fourth, or **interatomic, subdivision of matter**. It is the most intricate of problems to treat philosophically; isolated as it is from all approach by any of the prescribed rules in "*the orthodox scheme of physics.*" It turns upon the interchangeable **subdivision of interatomic** acting agency, or the **force** of the **mind**. The action of this **etheric** flow, in **substance** of all kinds, is according to the character of the **molecular** interferences which exist in the volume of their **atomic** groupings. These interferences proceed from some description of **atomic** chemical nature, which tend to vary the uniformity of structure in the **atomic triplets** of each **molecule**. If these groupings were absolutely uniform there would be but one **substance** in nature, and all beings inhabiting this globe would be simultaneously impressed with the same **feelings** and actuated by the same **desires**; but nature has produced unlimited variety. Since, as yet, has not made so much as an introductory attempt to solve this problem of "*the **mind flow**,*" but has left it with the hosts of impostors, who always beset any field that trenches on the land of marvel.

Professor Oliver Lodge?, in his address before the British Association, at Cardiff,



said: "Let me try to state what this field is, the exploration of which is regarded as so dangerous. I might call it the borderland of *physics* and *psychology*?. I might call it the connection between *life* and *energy*; or the connection between *mind* and *matter*. It is an intermediate region, bounded on the north by *psychology*?, on the south by *physics*, on the east by *physiology*?, and on the west by *pathology*? and *medicine*. An occasional psychologist has groped down into it and become a metaphysician. An occasional physicist has wandered up into it and lost his base, to the horror of his quondam brethren. Biologists mostly look at it askance, or deny its existence. A few medical practitioners, after long maintenance of a similar attitude, have begun to annex a portion of its western frontier. . . . Why not leave it to the metaphysicians? I say it has been left to them long enough. They have explored it with insufficient equipment. Their methods are not our methods; they are unsatisfactory to us, as physicists. We prefer to creep slowly from our base of physical knowledge; to engineer carefully as we go, establishing forts, constructing roads, and thoroughly exploring the country, making a progress very slow but very lasting. The psychologist from their side may meet us. I hope they will; but one or the other of us ought to begin. . . .

In America, we have Buchanan? and many others investigating in this field; and Dr. Bowne?, the orthodox Dean of the Boston University, in his answer to Herbert Spencer?, answering the question, "What is Force?" tells us: "Not *gravitation*, nor *electricity*, nor *chemical affinity*, but *will*, is the typical *idea* of *force*. *Self-determination*, *volition* is the essence of the only causation we know. *Will* is the sum-total of the dynamic idea: it either stands for that or nothing. Now science professes itself unable to interpret nature without this metaphysical *idea* of *power*. The experiments made by Professor Barker? and others, which are said to establish the identity of *heat* and *mental force*, really prove only a correlation between *heat* and the nervous action which attends *thinking*. Nervous action and *heat* correlate, but the real point is to prove that nervous action and mind force| correlate. This has never been done."

"The concept of *will*," says Arthur Schopenhauer?, "has hitherto commonly been subordinated to that of *force*; but I reverse the matter entirely, and desire that every force in nature be thought of as *will*. It must not be supposed that this is mere verbal quibbling and of no consequence: rather it is of the greatest significance and importance."

Thus it will be seen that the field which Professor Lodge?, with rare courage, invited his fellow-physicists to enter and bring with them their appropriate methods of investigation (unless these philosophers are astray) may prove to be "the immense and untrodden field" which Buckle? said must be conquered before *Science* can arrogate to herself any *knowledge* of nature's *laws* that is not purely empirical. A little reflection will enable the average mind to see in the signs of the times a tendency to movements on a grander scale, such as are involved in the higher view which Keely is himself now taking since his researches have extended

beyond the order he was pursuing only of mechanical success.

Man's progress has been so enormous that nothing too extravagant can be imagined for the future, when once psychical investigation is conducted as proposed by Professor Lodge?; who is trying to unravel the mystery as to **what force is**, and by what means exerted. There is something here not definitely provided for in the orthodox scheme of **physics**; but **Keely's** themes explain this mystery. "**Luminiferous ether**," he writes, "or **celestial mind force**, a **compound interetheric** 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**."

Not long since, Mr. **Keely** was congratulated upon having secured the attention of men of science, connected with the University of Pennsylvania?, to his work of research. Now, you will be known as a great **discoverer**, not as **Keely** the motor-man, said one of the professors present. **Keely** answered, I have discovered so little, in comparison with what remains to be discovered, that I cannot call myself a **discoverer**. Another of the professors present took **Keely** by the hand and said, You are a great **discoverer**.

Had the **discoverer** of this unknown force not been dependent upon a company, "a ring," for funds to pursue his investigations, scientists would have better understood the nature of this work at an earlier stage of his experimental research, but following close upon **Keely's** production of the **latent force** carried in all forms of aggregated **matter**, he became entangled in the meshes of an **organization** that cared nothing for **science**, and a great deal for the wealth which, it was seen by practical business men, must sooner or later accrue as the result of a costless motive power. In other words, those who interested themselves in **Keely's discoveries** were interested solely in their marketable value; or if these chanced to be one who was not so interested, that one was not of sufficient influence in the scientific world to be able to induce capitalists to come forward and contribute towards saving the discovery to this age, by protecting the **discoverer** from the persecution that he was subjected to from those who had the management of the commercial affairs of **the company**.

Aratus?, the poet of Cilicia, the author of "Phenomena," wrote, "*We are offspring of God*;" and St. Paul?, quoting Aratus?, continued, "*In Him we live and move and have our being*." From that hour, down the blood-stained path of the age to the

present, there have been men, spiritually endowed, who have taught that He who created, commands and governs, the universe, sustains it by the power of His [will](#); and that were it not for the [celestial streams of radiation](#), this superhuman influence, constantly flowing into all created forms, the universe would pass out of existence, would perish in a moment. So well did [Macvicar](#), the great Scotch divine, understand this conception of Deity, that he wrote, "*The nearer we ascend to the fountain-head of being and of action the more magical must everything inevitably become; for that fountain-head is pure volition. And pure volition as a cause is precisely what is meant by magic; for by magic is merely meant a mode of producing a phenomenon without mechanical appliances - that is, without that seeming continuity of resisting parts and that leverage which satisfy our muscular sense and our imagination, and bring the phenomenon into the category of what we call 'the natural;' that is, the sphere of the elastic, the gravitating; the sphere into which the 'vis inertiae' is alone admitted.*"

We call this the sphere of the natural; but, when we come to higher workings of natural [laws](#), with which we are not familiar, we designate them as "[supernatural](#);" and scientists witnessing some of [Keely's](#) experiments, like those of [overcoming gravity](#), of [rotation](#) of the needle of a compass,\* of the [disintegration of water](#), etc., and not believing in any workings of [laws](#) unknown to them, followed in the footsteps, still unobliterated, of the narrow-minded, bigoted persecutors of [Galileo](#); and have denounced [Keely](#) as "a modern Cagliostro?" When men of more extended research have been on the eve of investigating for themselves they have, until 1889, been deterred from doing so by the representations made to them that [Keely](#), was "using compressed air to humbug his audiences." Until Professor [Leidy](#) and Dr. [Willcox](#) gave their attention to Mr. [Keely's](#) claims as the [discoverer](#) of a new form of energy, the way was not open for Mr. [Keely](#) to disclose his conjectures, his hypotheses and his theories. Regrettable as this fact has seemed to be, it is now seen that any previous revelation of his discovery, other than to scientists, might have been premature; so little did [Keely](#) himself know, until within two years, of the developments he has at last reached in his work of [evolution](#). The time was not ripe for the disclosure.

It is a canon of [science](#) that [molecular aggregation](#) generally involves dissipation of energy. On the contrary for more than fifteen years [Keely](#) has demonstrated that all [molecular aggregation](#) is attended with an absorption of energy; relieving by vibratory power the [latent force](#) held in a few drops of [water](#) and showing thereby a [pressure](#) of from ten to fifteen tons per square inch; claiming that resultant development of any force and of all forces is only accomplished by conditions that awaken the [latent energy](#) carried during [molecular aggregation](#). It is conceded by those most conversant with the nature of [Keely's](#) discoveries that he must either create [force](#), or liberate [latent energy](#). As Omnipotence alone creates, it follows that [science](#) must be wrong in two of her most fundamental [laws](#); one relating to the indivisibility of the atom; the other to the [dissipation](#) of [energy](#) in [molecular aggregation](#). This, [Keely](#) established in the one experiment of

disintegration of water, releasing from three drops the latent energy carried, during and from the time of molecular aggregation, and showing a pressure of fifteen tons to the square inch. Therefore, it is not "a waste of time and thought" to give attention to Keely's theories, and to investigate from the standpoint of vibratory physics, instead of setting limits to the operations of Nature and the power of the Almighty from the narrow platform of mechanical physics?

### **Keely's Theories.**

The action of Nature's sympathetic flows, writes Keely, regulates the differential oscillatory range of motion of the planetary masses as regards their approach toward and recession from each other. These flows may also be compared to the flow of the magnet which permeates the field, existing between the molecules themselves, sensitizing the combined neutral centres of the molecules without disturbing, in the least, the visible molecular mass itself. In the planetary masses - balanced as it were in the scales of universal space, like soap-bubbles floating in a field of atmospheric air - the concentration of these sympathetic streams evolves the universal power which moves them in their oscillating range of motion to and from each other. This sympathetic triple stream focalizes and defocalizes on the neutrals of all such masses; polarizing and depolarizing, positive and negative action, planetary rotation, etc., etc. It is thus that all the conditions governing light, heat, life, vegetation, motion, are all derived from the velocity of the positive and negative interchange of celestial sympathy with the terrestrial.

Every harmonious condition of Nature's evolution is governed by one incontrovertible law; that of concordant assimilative harmony. This concordant key is the ruling one over all the antagonistic, negative, discordant ones; the one that diverts the disturbance of sympathetic equilibrium? to one general concentrative centre for redistribution. Harmony concentrates, harmony distributes. The focalizing point of concordant sympathetic concentration is the percussive electric field, where the velocity of its sympathetic streams rebounds with a power that throws them far out into universal space; and so far beyond their equative centre of equilibrium as to bring them in sympathy with the universal attraction of the combined neutral centres of all planetary masses.

### **Sympathetic Streams which Control the Action and Reaction of all Visible Forms of Matter.**

What is light and heat, and how are they evolved? and why are they so intensely perceptible as emanating from the solar world?

Light and heat, considered theoretically, belong to the highest orders of the phenomenal. They can only be accounted for by the velocity of sympathetic streams, as interchangeable to and from centres of negative and attractive focalization. In considering the velocity of vibration, as associated with the projection of a ray of light, to be at least one hundred thousand billions per

second, it is easy to account for the origin and demonstration of these two elements by the action of **celestial sympathetic streams**.

1st. **Light** and **heat** are not evolved until the force of the vibratory **sympathetic stream**, from the **neutral center** of the **sun**, comes into **atomic** percussive action against the **molecular** atmosphere or **envelope** of our planet. The visibility of the planets can only be accounted for in this way, some in a great degree, some in less. Innumerable thousands, it may be, remain **invisible** to us by not having the conditions surrounding them, and associated with them, which favour the **atomic** and **molecular** antagonistic friction? necessary to make them **visible**. The **velocity** of a steel ball passing through the atmospheric envelope, at a speed of thousands of billions times less than an **etheric sympathetic stream**, would be dissipated into vapour in an indefinite period of a second of **time**. **Light** and **heat**, in a certain sense, are one and the same; **light** giving **heat**, and **heat** giving **light**. The whole mystery, as associated with their **evolution**, is explained by the bombardment of the **sympathetic etheric** stream on the dense portion of the **molecular**, in seeking the **sympathetic, concordant, neutral center** of the planetary **mass** that surrounds the point of **focalization**.

The **positive and negative interchange** of this true **sympathetic stream** keeps intact the magnetic force of the **polar envelope** of the earth; making it, as it were, a great **magnet** of itself. The fact of this magnetic force being universally present, on and in our planet, proves the immensurable speed and power of **etheric sympathetic interchange**. Thus it is that, from the **velocity** of these **sympathetic** rays, the earth's standard of **heat** and **light** is evolved and kept in balance. This **rhythmic balanced interchange**, between the solar world and its system of planets, equates the **sympathetic** volume by the reception of the full amount expended on **sympathetic** distribution; thus showing the never-ending restoration of **equilibrium** by the same medium that disturbs it during **intermittent sympathetic action**. There are very many facts in **vibratory physics** which prove that the volume of **heat**, supposed by many to emanate from the **sun**, if concentrated upon a centre of the volume represented by the **sun**, would give enough focal force, if projected upon the system of planets that is under its control, to vaporize then in one month's time. A ray of **heat** one billion times greater than the whole volume of the **sun** represents could not pass through the dark vacuous boundaries which lie between us and the **sun** without being neutralized and absorbed.

### **What is Electricity?**

**Electricity** is the result of three **differentiated sympathetic flows**, combining the **celestial** and **terrestrial** flows by an **order** of **assimilation negatively attractive** in its character. It is one of Nature's efforts to restore **attractive differentiation**. In analyzing this triple union in its vibratory **philosophy**, I find the highest **order** of perfection in this **assimilative action** of Nature. The whole condition is **atomic**, and

is the introductory one which has an **affinity** for terrestrial centres, uniting magnetically with the Polar stream?; in other words, uniting with the Polar stream? by **neutral affinity**. The magnetic or electric forces of the **earth** are thus kept in stable **equilibrium** by this triune force, and the chords of this force may be expressed as 1st, the **dominant**, 2nd, the **harmonic**, and 3rd, the **enharmonic**. The value of each is, one to the other, in the rates of figures, true **thirds**. E flat-transmissive chord? or **dominant**; A flat- **harmonic**; A double flat- **enharmonic**. The union of the two prime **thirds** is so rapid, when the negative and the positive conditions reach a certain range of vibratory **motion**, as to be compared to an **explosion**. During this action the positive electric stream is liberated and immediately seeks its **neutral** terrestrial centre, or centre of highest **attraction**.

The power of **attractive vibration** of the solar forces is the great coincident towards which the **terrestrial** magnetic **sympathetic flow** is diverted. This force is the **celestial** current that makes up the prime third of the triple association. It also induces **aqueous disintegration** and **thermal concentration**, the two prime **conductors** towards this coincident chord of sympathy? with itself. Without this **aqueous disintegration** there would be no **connective link** between the **celestial** and **terrestrial**. There would exist nothing but a condition of **luminous radiation** on the **order** of the **aurora** - a reaching out for the **concordant** without any **sympathetic** diversion to create unstable **equilibrium** of **terrestrial magnetism**. In fact under such a condition, the absence of the **sun** on one side, or the absence of **water** on the other, the magnetic or electric force would remain in a stable state of **equilibrium**, or the highest **order** of the **chaotic**. **Disturbance** of **equilibrium** and sympathetic equation? constitute the dual power that governs all the varied forms of **life** and **motion** which exist terrestrially, of which the electric or magnetic is the prime mover and regulator. All electrical action, no matter of what character, has its **sympathetic birth?** by the intervention of that current of the triune flow, which I call the **dominant**, with the **Polar harmonic** current; all **sympathetic flows** being composed of **three currents**. They become associative one with the other only near the junction of **terrestrial interference**. The great **vacuous field** which exists between the planetary ranges holds this portion of the **etheric** flow free of all **antagonism**, molecularly or otherwise, till the associative point is reached; so wonderfully planned by the **Great Creator**, for instant electric **evolution** and **assimilation** with **terrestrial centres of attraction**. I call this intervention, **atomic intermolecular** and **molecular density**. The combination of the action of the triune **sympathetic celestial** stream with the same intervening medium induces **heat** and **light** as the **resultant** of these corpuscular confliction with **sympathetic celestial** and **terrestrial focalized centres** of neutral radiation?. I do not recognize **electricity**, nor **light**, nor **heat** as coming from the **sun**. These conditions, according to my theories, emanate from **atomic** and **interatomic interference** on induced **molecular vibration**, by **sympathetic etheric vibration**, the **celestial attractive** being the prime mover. In my estimation this is not at all phenomenal; it is only phenomenal as far as the knowledge of its action in mechanical physics is concerned. Physicists have been working in the wrong direction to lead them to associate themselves with Nature's **sympathetic evolution**.\* The expression

"*Electricity attracts at a distance*" is as bad as, if not worse than, the microbe of the magnet." Clerk Maxwell seems, when theorizing on sound transmission by an atmospheric medium, not to have taken into consideration the philosophy attending the phenomena of the origination of electric streams in celestial space. Light is one of the prominent evolved mediums in electric action, and is evolved by corpuscular bombardment induced by sympathetic streams acting between the neutral centres of planetary masses, all of which are under a condition of unstable equilibrium. These unstable condition were born in them, and were thus designed by the Architect of Creation in order to perpetuate the connective link between the dispersing positive and the attractive negative. The action that induces this link I call sympathetic planetary oscillation.

### **Attraction, Propulsion, etc.**

The action of the magnetic flow is dual in its evolutions, both attractive and propulsive. The inclination of the plane on which the subtle stream moves, either to the right or to the left, has nothing to do with positive or negative condition. The difference in conditions of what is called, by electricians, positive and negative electricity, is the difference between receptive and propulsive vibrations. They can be right or left receptive, or right or left propulsive. The positive vibrations are the radiating; the negative vibrations are the ones that are attracted toward the neutral centre.

The negative-sympathetic polar stream is the magnetic flow proper, and it is in sympathetic coincidence with the second atomic flow; the electric current is the first and second order of atomic vibration, a dual force, the flow of which is too tenuous to displace the molecules. It can no more do so than the flow from a magnet can displace the molecules of a glass plate when it is passed under it. The flow from a magnet is too fine to disturb the plate molecules, but passes as freely between them as a current of air would through a coarse sieve.

Like poles do not repel each other, simply because there is a perfect sympathetic equation between them; the same in unlike poles. If a differentiation of  $33 \frac{1}{3}$  against 100 is established between them, whether like or unlike, they become attractive to each other. They become repellent after differentiating them,  $66 \frac{2}{3}$  of the one against 100 of the other, by sympathetic vibration.

Taking into consideration even the introductory conditions of the etheric stage, etheric vibration has proved to me that the higher the velocity of its rotating stream the greater is its tendency towards the neutral centre or centre of sympathetic coincidence. Were it otherwise, how could there ever be any planetary formations of the building up of visible structure? If a billiard ball were rotated to a certain velocity, it would separate in pieces, and the pieces would fly off in a tangent; but if it were a ball of ether, the higher the velocity of rotation the stronger would be the tendency of its corpuscles to seek its centre of

neutrality, and to hold together.

It is not a magnetic force that is borne on the etheric atom which gives it its power to draw to it stream of coincidence. The magnet is only susceptible to certain aggregated forms of matter; iron, for instance, and its preparations.

All moving bodies of visible matter produce heat as according to their velocity. The flow of gases only induces thermal reduction from molecular friction. By this term it must not be understood that the molecules actually come in contact, and rub against each other. There is no pressure, however great, that can cause molecular contact. The area of the volume of the molecule can be reduced by enormous pressure, and the tension thus brought to bear on their rotating envelopes induces heat. The heat thus induced is a positive proof of the wonderful velocity of the etheric envelope. If the molecules were dead – which is an infinite impossibility – to sympathetic vibration, and without a rotatory envelope if all the pressure possible to conceive were brought to bear upon them, it would not induce the slightest thermal change.

### **Energy.**

Energy is a sympathetic condition inherent in all forms of aggregated matter, visible and invisible. It is ever present, in its latent condition, and is aroused by the sympathetic disturbers of its equilibrium. By this conservation it becomes transferable. The sympathetic correlation of will-force in the cerebral convolutionary centres transfers its energy to the physical organism.

Bring a steel rod in contact with a **magnet**, and the **latent** energy in the rod is brought into action without its becoming impregnated by its magnetic exciter. Energy is an infinite latent force. If it did not exist it could not be generated. Consequently, there would be no energy to lose nor to conserve. The volume of latent energy in the etheric domain never increases nor ever grows less. It will remain the same, as yesterday to-day and for ever.

### **Inaudible Vibrations.**

*"Nature has established her **sympathetic concordants** from the birth of the **neutral centres** of the planets. This is **gravity**; therefore **gravity** is fixed, inherent. There is no flight of **gravity**. The difference in the condition of the **sympathetic nerve centres**, and the variations in the chord aggregation? of the masses, as established in the man or woman at birth, constitutes the **molecular** condition of the individual. The **molecular** state of animals, vegetables, and minerals, depends upon the **aggregation** of their chord centres?. It is impossible to take two coins from one die the same in its molecular aggregation?. The mere picking up of a coin and replacing it causes billions of molecules to be lost. This produces a*



change in the *chord of mass* of the coin. As this fact has only been developed by persistent progressive research, it is quite easy to comprehend the nature of the difficulties that lie in the way of perfecting devices for the guidance of artificers and mechanics, whereby they can bring a proper vibratory action into play to induce positive *sympathetic transmission*. In order to transmit my knowledge by demonstration it will be necessary to have much more perfect instruments than those crude devices which I first constructed for my researches. One of my perfected instruments shows to the eye, in the *molecular* effects produced by a certain *order of vibration*, when the chord of harmony? is established between two *neutral centres*. Another, when connected with the sympathizer?, denotes accurately, by the *colour of a certain sound* or combination of sounds the number of vibrations that are necessary to induce certain effects of mechanical combinations.

"Inaudible vibrations are tested by the magnetic needle and *sound colours*. Every gaseous *molecule* is a *resonator* of itself and is sensitive to any and all sounds induced, whether *accordant?* or *discordant*. At the normal *density* of the atmosphere we hear a volume of *sound*, focalized by the combined association of every *molecule* brought under sound influence. When we reduce the atmospheric volume of a chamber to  $\frac{50}{100}$ , then the ear is sensitive to the reduction of the acoustic force evolved on the same *ratio*, and so on, until sound becomes inaudible. This inaudibility to our organ of hearing is no proof whatever of any reduction of the acoustic force evolved on the *introductory impulse* given to the bell. It is only a proof that the number of the molecules left for the *acoustic force* to act upon has been so reduced by increasing the *vacuum*, that the *concentration* of *sound* from the diminished number cannot be heard. The ear is not susceptible to the *acoustic force* emanating from one *molecule*, nor even from the *concentration* of one hundred millions of billions molecules. The highest *vacuum* that can be induced, taking but a cubic inch in volume to act upon, will leave a residual number of molecules one hundred billion times as great as the above given number and yet be perfectly inaudible when all their *acoustic forces* are focalized.

"The audible has been conquered in *my instruments* to that extent which brings me into *sympathetic* contact with the inaudible, the vitalized conditions of which as regards sympathetic union? with the *terrestrial* are the pure and only essentials necessary towards establishing the sensitive link, between the instrument and terrestrial chord-masses, in order to run *sympathetic machinery*. But there is still before me a vast region to be explored before the keystone of this sympathetic arch? is set in position to carry the high *order* of sympathetic transfer? that I aim at. I have every reason to hope that when I have mastered these mechanical difficulties I shall be able to control this most subtle of Nature's forces. When this is done, the commercial engine will soon follow. There is no truer nor quicker way to reach that end than the one I am now pursuing. My obligations on this line once fulfilled, I shall be at liberty to turn my attention to the consideration of the *mental forces* associated with the physical, and in fact

*the solution of the mechanical problem is one and the same in principle, as is the physical and mental. When one is solved all is solved. The convolutions which exist in the cerebral field are entirely governed by the sympathetic conditions that surround them.*

*"The force which binds the atoms, which controls secreting glands, - Is the same that guides the planets, acting by divine commands."*

*"All abnormal produce discordant aggregations in these resonating convolutions produce differentiation to concordant transmission; and according as these differentiations exist in volume, so the transmissions are discordantly transferred, producing antagonism to pure physical action. Thus, in motor ataxy, a differentiation of the minor thirds of the posterior parietal lobule produces the same condition between the retractors and exteriors of the leg and foot, and thus the control of the proper movements is lost through this differentiation. The same truth can be universally applied to any of the cerebral convolutions that are in a state of differential harmony to the mass of immediate cerebral surroundings. Taking the cerebral condition of the whole mass as one, it is subservient to one general head centre; although as many neutrals are represented as there are convolutions. The introductory minors are controlled by the molecular; the next progressive third by the atomic; and the high third by the etheric. All these progressive links have their positive, negative, and neutral position. When we take into consideration the structural condition of the human brain, we ought not to be bewildered by the infinite variety of its sympathetic impulses, inasmuch as it unerringly proves the true philosophy that the mass-chords of such structures are governed by vibratory etheric flows. There is no structure whatever - animal, vegetable, or mineral - that is not built up from the cosmic ether. Certain orders of attractive vibration produce certain orders of structure; thus the infinite variety of effects; more especially in the cerebral organs. Discordance cannot exist in the molecule proper. Discordance in any mass is the result of differentiated groups induced by antagonistic chords, and any differentiated mass can be brought to a condition of harmony or equation by proper chord media, and an equated sympathy produced whether the mass be metal or **brain**.*

*"There is good reason for believing that **insanity** is simply a condition of **differentiation** in the mass-chords of the convolutions, which creates an antagonistic **molecular** bombardment towards the **neutral** or attractive centres of such convolutions. This may be compared to a knot on a violin string. As long as this knot remains, it is impossible to elicit, from its **sympathetic** surroundings, the condition which transfers pure **concordance** to its resonating body. **Discordant** conditions (i.e., **differentiation** of **mass**) produce **negatization** to **coincident action**. Pure **sympathetic concordants** are as antagonistic to negative discordants as the negative is to the positive; but the vast volume the **sympathetic** holds over the non-sympathetic, in ethereal **space**, makes it at once the ruling medium and re-adjuster of all opposing conditions, when properly brought to bear upon them. Josiah Royce? is right as regards correspondent **sympathetic association** between*

two conditions. If *concordance* can be established, even of unlike states, no matter whether it be of the high tenuous forces of nature, gases with liquids, liquids with solids, solids with gases, the structural conditions can be perfectly adverse. Their *neutral centres* are the focalized seat of *sympathetic concordance* for controlling any *differentiation* that may exist outside, or in the *mass* that surrounds them. Certain *orders of vibration* can reach these centres and establish a *concordant flow of sympathy*, independent of any mass antagonism; in other words, certain orders of sympathetic vibratory transmission? can correct and equate all *differentiation* that may exist between physical organisms and their cerebellic flows. Discord is disease. Harmony is health?" - Keely. (underline added)

The Standard? calls attention to the fact that Lord Rosebery? has pointed out how fast mental *disease* of one form or another is growing among the populations of London - so fast that a new asylum, containing 5000 patients, must be built every five years. "This," said his lordship, "is a penalty of civilization."

When we take into consideration the effect upon the nerves, in sensitive organizations, of living in the vicinity of railways, more especially of the elevated railways in cities, the incessant jarring vibrations which are communicated to houses, even from underground railways, to say nothing of the piercing shrieks of the steam whistle, is it to be wondered at that mental disorders and nervous diseases are on the increase? With this increase of the most terrible form of affliction the remedy will follow; for our necessities are known to One who "with a Father's care and affectionate attention supplies the wants, as they arise, of the worlds which lie like children in His bosom." *Sympathetic Vibratory Physics* will, in due time, make known the curableness of many disorders now considered incurable.

On this subject Mr. Keely writes: - "Every *disease* that the physical organism is subject to has its *connective link* in the *cerebral domain*; where it unerringly telegraphs, as it were, its *molecular differentiations*, through the spinal dura mater or physical *sympathetic transmitter*, and vice versa back again. The *sympathetic* communication, as between the physical and *mental forces*, shows up truthfully the pure conditions that govern the *celestial* and *terrestrial link of sympathy*, as between the *finite* and the *Infinite* in planetary suspension. The whole system governing the suspension of the innumerable planetary masses, - the *infinite* certainly and *harmony* of their eccentric evolution| and revolution|, in their orbital and oscillating ranges of *motion*, - the triune *sympathetic streams of Infinity* that permeate their *molecular* masses - focalizing and defocalizing on their *neutral centres of attraction* - are all subservient to that Great Ruling Power: *Mind Flow*. There is not a grain of sand, nor an *invisible* corpuscule of floating *matter*, that does not come under the same rule that governs the most mighty of planets. . . ."

"All's *love*, yet all's law."

As the offspring of **God**, only by living in **love** and **harmony** can we fulfill the law and maintain health? and **happiness**, either individually in family life, or collectively in our intercourse with the world. As Goethe? taught:-

Let the **God** within thee speak,  
**Love** all things that lovely be,  
And **God** will show His best to thee.

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### **The Connecting Link Between Mind and Matter - Keelys Progress - Part 2**

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**The Connecting Link Between Mind and Matter - Keely's Progress - Part 2**

by **Clara Jessup Moore**

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*"The elements of nature are made of the **Will of God**."* **Hermes Trismegistus**

*"All **truth** comes by **inspiration**".* **SCRIPTURE**

*"We must become as little children, not presuming to think of causes efficient or causes final, for these are things we cannot grasp; but, reverently and patiently waiting until, like a **revelation**, the hidden link between the familiar and the unfamiliar flashes into our **mind**, and thus an additional step is gained in the endless series of successive generalizations."* - The Rev. H. W. Watson?, D. Sc., F.R.S., President of the Birmingham Philosophical Society.

In the paper of the Rev. H. W. Watson?, on "The Progress of Science, its Conditions and limitations", he tells us that every thinking man recognizes the subjective **Self** and the objective non-Self, and that this non-Self, so far as it manifests its existence through the **senses**, is the object of investigation of natural philosophers; but he admits that their investigations have not bestowed upon modern **science** any results to justify the **language** of causation. Universal **gravitation** is declared to be a vast generalization, telling us that there is no more, but yet just as much, of mystery in the whole sequence of astronomical phenomena, as in the most humdrum processes of every-day experiences. The unfamiliar has been explained by the familiar, and both remain in their original mystery. This mystery attendant upon **gravitation Kepler** prophesied would be revealed to man in this age: and the cautions and inductive investigations which

Keely has been pursuing since 1888, have enabled him to demonstrate that the unknown force, which for fifteen years had baffled all his skill, is the same condition of [sympathetic vibration](#) which controls nature's highest and most general operations: — the identical [force](#) which [Faraday](#) divined when he wrote, in 1836:

*"Thus, either present elements are the true elements, or else there is the probability before us of obtaining some more high and general power of nature even than [electricity](#), and which at the same time might reveal to us an entirely new grade of the elements of [matter](#), now hidden from our view and almost from our suspicion".*

It was good advice given by the late Professor Clifford?, — *"Before teaching any [doctrine](#) wait until the nature of the evidence can be understood"*. But without attempting to teach Keely's system of [vibratory physics](#), we may look into some of his views, notwithstanding the fact that, whatever truths there may be in them, they are approached from such a different stand-point than that of the platform of mechanical [physics](#), that it is utterly impossible to bring them into any definite relations with each other. Dr. Gerard?, of Paris, in his work on "Nervous Force", writes of this founder of a new system of [philosophy](#): *"The [force](#) discovered by Keely appears to me to be so entirely the counterpart of what passes primarily in the [brain](#) cells that we see in him but a plagiarist of cerebral dynamics — that is, he has had but to copy the delicate human mechanism to make a wonderful discovery; probably, the greatest the world has ever known. The word plagiarist has no deprecatory meaning as applied to the great American Inventor, for he must possess an extraordinary power of [assimilation](#) to read so fluently the open book of nature, and to be able wisely to interpret her admirable [laws](#): it is, therefore, with profound admiration that I here render homage to this man of [science](#)".*

Dr. Gérard's work treats of the production of [electricity](#) in the nerve centres, and its accumulation in storage. He says that fifty years ago it would have been difficult to explain this fact intelligently; but thanks to the scientific progress of the period, everyone now knows how [electricity](#) is produced, and how applied, to use in lighting our houses. He continues: *"Let us say, then, in few words, how matters stand, for it will serve to illustrate how it is with our [brain](#), the mechanism of which is precisely the same — only that our apparatus is much more perfect and much less costly.*

*"A dynamo-electric machine is placed at any given spot, its object, being put in action, is to withdraw from the [earth](#) its neutral electricity? to decompose it into its two ([polar](#)) conditions, and to collect, upon [accumulators](#), the [electricity](#) thus separated. As soon as the [accumulators](#) are charged, the [electricity](#) is disposable; that is, our lamps can be lighted. But what is marvellous in all this is that the forces of nature can be transformed at [will](#). Should we not wish for [light](#), we turn a knob and we have [sound](#), [heat](#), [motion](#), chemical action, [magnetism](#). Little*

seems wanting to create intelligence, so entirely do these accumulated forces lend themselves to all the transformations which their engineer may imagine and *desire*. But let us consider how greatly superior is our *cerebral mechanism* to all invented mechanism. In order to *light* a theatre we require a wide space, a dynamo-electric machine of many horse-power, *accumulators*, filling many receptacles, a considerable expense in fuel, and clever mechanics. In the human organism these engines are in miniature, one *décimètre* cube is all the space occupied by our *brain*; no wheels, no pistons, nothing to drive the apparatus, we suffice ourselves. In this sense, each of us can say, like the philosopher Biaz: — *Omnia mecum porto*. "Our cerebral organ not only originates *motion, heat, sound, light*, chemical actions, *magnetism*; but it produces *psychic* forces, such as *will, reasoning, judgment, hatred, love*, and the whole series of intellectual faculties. They are all derived from the same source, and are always identical to each other, so long as the cerebral apparatus remains intact. The variations of our health alone are capable of causing a variation in the *intensity* and quality of our productions.

"With a maximum of physical and moral health, we produce a maximum of physical and moral results. Our manual labour and our intellectual productions are always exactly proportionate to the *integrity* of our mechanism."

Dr. Gerard? has, it will be seen, grasped the same truth that Buckle? enunciated in his lecture, "The Influence of Women on the Progress of Knowledge", when he affirmed that not one single discovery that had ever been made has been connected with the *laws* of the *mind* that made it; declaring that until this connection is ascertained our *knowledge* has no sure basis, as "*the laws of nature have their sole seat, origin and function in the human mind*". This is the foundation stone of vibratory physics, that all *force* is *mind force*.

"All the forces of nature", writes Keely, "proceed from the one governing force; the source of all *life*, of all *energy*. These *sympathetic flows*, or streams of force, each consists of three currents, *harmonic, enharmonic* and *dominant*; this classification governing all orders of positive and negative *radiation*. The *sympathetic flow*, called "*Animal Magnetism*", is the transmissive? link of *sympathy* in the fourth, or *interatomic, subdivision* of *matter*. It is the most intricate of problems to treat philosophically; isolated as it is from all approach, by any of the prescribed rules, in "*the orthodox scheme of physics*". It turns upon the interchangeable *subdivision* of *interatomic* acting agency, or the *force of the mind*. The action of this *etheric* flow, in substances of all kinds, is according to the character of the *molecular* interferences which exist in the volume of their *atomic* groupings. These interferences proceed from some description of *atomic* chemical nature, which tend to vary the uniformity of structure in the *atomic triplets* of each *molecule*. If these groupings were absolutely uniform, there would be but one *substance* in nature, and all beings inhabiting this globe would be simultaneously impressed with the same *feelings* and actuated by the same *desires*; but nature has produced unlimited variety. *Science*, as yet, has not

*made so much as an introductory attempt to solve this problem of "the **mind flow**", but has left it with the hosts of impostors, who always beset any field that trenches on the laud of marvel."*

Professor Oliver Lodge?, in his address before the British Association last August, said: "Let me try to state what this field is, the exploration of which is regarded as so dangerous. I might call it the borderland of **physics** and **psychology**?. I might call it the connection between **life** and **energy**; or the connection between **mind and matter**. It is an intermediate region, bounded on the north by **psychology**?, on the south by **physics**, on the east by **physiology**?, and on the west by **pathology**? and **medicine**. An occasional psychologist has groped down into it and become a metaphysician. An occasional physicist has wandered up into it and lost his base, to the horror of his quondam brethren. Biologists mostly look at it askance, or deny its existence. A few medical practitioners, after long maintenance of a similar attitude, have begun to annex a portion of its western frontier. Why not leave it to the metaphysicians? I say it has been left to them long enough. They have explored it with insufficient equipment. Their methods are not our methods; they are unsatisfactory to us, as physicists. We prefer to creep slowly from our base of **physical knowledge**; to engineer carefully as we go, establishing forts, constructing roads and thoroughly exploring the country, making a progress very slow but very lasting. The psychologists from their side may meet us. I hope they will; but one or the other of us ought to begin".

In America, we have Buchanan and many others investigating in this field; and Dr. Bowne?, the orthodox Dean of the Boston University, in his answer to Herbert Spencer?, answering the question, "What is **Force**?" tells us: "Not **gravitation**, nor **electricity**, nor **magnetism**, nor **chemical affinity**, but **will**, is the typical idea of **force**. Self-determination, **volition** is the essence of the only causation we know. **Will** is the sum-total of the dynamic idea: it either stands for that or nothing. Now **science** professes itself unable to interpret nature without this metaphysical idea of power. The experiments made by Prof. Barker? and others, which are said to establish the identity of **heat** and **mental force** really prove only a correlation between **heat** and the nervous action which attends **thinking**. Nervous action and **heat** correlate, but the real point is to prove that nervous action and **mental force** correlate. This has never been done".

"The concept of **will**", says Arthur Schopenhauer?, "has hitherto commonly been subordinated to that of **force**; but I reverse the matter entirely, and **desire** that every **force** in nature be thought of as **will**. It must not be supposed that this is mere verbal quibbling and of no consequence: rather it is of the greatest significance and importance".

Thus it will be seen that the field which Professor Lodge?, with rare courage, invited his fellow-physicists to enter and bring with them their appropriate methods of investigation, unless these philosophers are astray, may prove to be "the immense and untrodden field" which Buckle? said must be conquered before

Science can arrogate to herself any knowledge of nature's laws that is not purely empirical. A little reflection will enable the average mind to see in the signs of the times a tendency to movements on a grander scale, such as are involved in the higher view which Keely is himself now taking since his researches have extended beyond the order he was pursuing when he was thinking only of mechanical success. Psychical investigation will be stimulated when Keely has imparted the nature of his discoveries to the physicist [Professor James Dewar?] whom he has chosen to instruct. History is but repeating itself in Keely's experiences. In the year 1724, in a letter to the Royal Society, Hatzfeld? attacks Sir Isaac Newton in much the same spirit that some newspaper men attack Keely now. One would suppose in reading what Hatzfeld? has written, of an invention of his time, that it had been written, word for word, of some of the investigators of Keely's experiments in researching. After commenting upon the corruption of human nature as shown, in his day, by the want of veracity, the tendency to vicious misrepresentation, he says:

*"If the said machine was contrived according to the weak sense and understanding of those who pretend it to be moved in other ways than that declared, it would have been discerned before this.*

*"And those who pretend it to be moved by water, or air, or magnetism, one of which (meaning water) even our most famous author did in the beginning affirm it to be moved by, is so very weak that I don't at all think it deserving to be considered.*

*"And what is still worse is to pretend it to be a cheat in a manner of proceeding which is neither consistent with equity nor common sense. As long as arts and sciences have the misfortune of depending on the direction of such like persons no progress toward truth can be made but I shall make it sufficiently appear that there is yet more truth behind the hill than ever has been brought to light. There be persons who, when disappointed of gain, turn their shafts against those who have circumvented them.*

*"All those who know anything of philosophy know that gravity is generally (and chiefly by Sir Isaac Newton and his followers) denied to be essential to matter, which I shall not only prove the contrary of, but I shall likewise show the properties in matter, on which the principle depends, to be the most glorious means to prove the existence of God, and to establish natural religion".*

Is it not rather remarkable that, after a sleep of nearly two centuries, it is again claimed that gravity is inherent in all matter?

Professor Rucker?, in closing his address read at the last meeting of the British Association, said: *"In studies such as these we are passing from the investigation of the properties of ordinary matter to those of the ether, which may perhaps be the material of which matter is composed. We may some day be able to control*



*and use it, as we now control and use steam."*

For nearly fifteen years, Keely constructed engines of various models, with this end in view, before he discovered that it is impossible to use the ether in any other way than as a media for the force which he is now experimenting with; and which he defines in its present operation as a condition of sympathetic vibration, associated with the polar stream positively and negatively. Keely has now made arrangements to instruct an English physicist of high standing in his method of disintegrating water by triple subdivision; acting simultaneously:— showing instantaneous association and dissociation, under a certain form of vibration. Until the instruction has been given, which will put it in the power of the successor of Tyndall and Faraday, at the Royal Institution of Great Britain, to make known the importance of these discoveries to science, Keely must continue to bear the abuse of the prejudiced, the misinformed and the malicious.

A London journal recently erroneously announced that Keely has no theory to go upon. During the "observations" of Keely's researching experiments that were made last year by some of the professors of the University of Pennsylvania, one of them, Prof. Brinton, under date of February 14th, wrote of Keely's theories: — "Mr. Keely has a coherent and intelligent theory of things, or philosophy, on which he lays out his work and proceeds in his experiments". March 6th, the same professor writes: — "Keely's paper on latent Force in intermolecular spaces is clear enough and instructive, but the average reader will find its perusal up-hill work, from lack of preliminary teachings. Naturally, Mr. Keely, whose mind has been busy with this topic for years and is more familiar with it than with any other, does not appreciate how blankly ignorant of it is the average reader. Also, naturally, he writes above the heads of his audience", Again, Prof. Brinton writes, "Mr. Keely's vibratory theory is so simple, beautiful and comprehensive, that I hope it will be proved experimentally to be true. To me, all commercial and practical results, motors, engines, air-ships, are of no importance by the side of the theoretical truth of the demonstration of this cosmic force.....".

It is the Aristotle qualities of Prof. Brinton's mind, in its power of classifying and defining, which has caused it to be said of him that he has touched no subject without throwing light upon it; and the Dean of the Boston University, Dr. Bowne, after reading Prof. Brinton's abstract of Keely's philosophy, said that it had made Keely's hitherto unintelligible theories intelligible to him. "We can apprehend sometimes what we cannot comprehend". As Cardinal Newman has said, "Truth is reached not by reasoning, but by an inward perception. Anyone can reason; only disciplined, educated, formed minds can perceive".

Agnostics make the mistake of confounding exhaustive knowledge with positive knowledge in declaring both unattainable; but we can know positively that a thing is, if not why or how it is. Prof. Brinton has so mastered Keely's working hypotheses as to write that he was sure he could make them understood by any intelligent person — writing of them — "All that is needed now is to show that

*Keely's experiments sustain the principles that underlie these hypotheses. As soon as Prof. Koenig is prepared to report on the purely technical and physical character of the experiments, I shall be ready to go into full details as to their significance in reference to both matter and mind. It will be enough for me if Dr. Koenig is enabled simply to say that the force handled by Keely is not any one of the already well-known forces. Let him say that, and I will undertake to say what it is".*

## **SOME OF KEELY'S THEORIES**

*"The sympathetic conditions that we call mind are no more immaterial in their character than light or electricity. The substance of the brain is molecular, while the substance of the mind that permeates the brain is interetheric, and is the element by which the brain is impregnated; exciting it into action and controlling all the conditions of physical motion, as long as the sympathetic equative is in harmony, as between the first, second, and third orders of transmission: molecular, atomic and etheric.*

*"By this soul substance is the physical controlled. In order to trace the successive triple impulses, taking the introductory one of sympathetic negative outreach, as towards the cerebral neutrals, which awakens the latent element to action, we find that mind may be considered a specific order of interatomic motion sympathetically influenced by the celestial flow, and that it becomes, when thus excited by this medium, a part and parcel of the celestial itself. Only under these conditions of sympathetic assimilation? can it assert its power over the physical organisms; the finite associated with the infinite.*

*"The brain is not a laboratory. It is as static as the head of the positive negative attractor?" (one of Keely's researching instruments) "until influenced by certain orders of vibration, when it reveals the true character of the outreach as so induced. The brain is the high resonating receptacle where the sympathetic celestial acts, and where molecular and atomic motion exhibits itself, as according to the intensification brought to bear upon it by the celestial mind flow.*

*"The cerebral forces, in their control of the physical organism, reveal to us the infinite power of the finer or spiritual fluid, though not immaterial, over the crude molecular.*

*"The luminous, etheric, protoplasmic 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 centres that carry the planetary worlds through their ranges of motion.*

*"If the minds of all the most learned sages, of all time, were concentrated into one mind, that one would be too feeble, in its mental outreach, to comprehend the conditions associated with the fourth order of sympathetic condensation?. The*

controversies of the past in regard to the condensation of *invisible matter* prove this. The *chemistry* of the infinite and the *chemistry* of the finite are as wide apart, in their *sympathetic* ranges, as is the *velocity* of *light* from the movement of the hour-hand of a clock. Even the analysis of the *visible* conditions taxes our highest powers of *concentration*.

"The question naturally arises, 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.

"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 it 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 centres* 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 centres of neutrality*, and reveals to us the *connecting link* between *mind and matter*. How plainly are we thus taught that *God* is everywhere, and at the same time in every place. It gives us a new sense of the omniscience? and omnipresence? of the Creator. In these researches I am brought so near to the *celestial* conditions that my pen is ready to fall from my hand while writing on this subject; so more and more sensibly do I feel my abject *ignorance* of its depths.

"These conditions of *luminosity*? have no thermal forces associated with them; although, paradoxically, all thermal conditions emanate from that source. The *tenuity* of this element accounts for it. It is only when these *sympathetic streams* come in conflict with the cruder elementary conditions, either the *molecular* or *atomic*, that *heat* is evolved from its *latent* state, and a different *order* of *light* from the *etheric* luminous is originated, which has all the high conditions of thermal force associated with it: the sun being the intermediate transmitter. Thus is shown the wonderful *velocity* of these *sympathetic streams* emanating from *celestial space*.

"The *sympathetic* forces transmitted by our solar planet, to which our *earth* is so susceptible, are continuously received from the luminiferous realm; the *sympathetic* volume of which, as expended, is constantly equated by the

exhaustless *will force* of the Creator. Had the solar energy been subservient to what physicists ascribe it, the sun would have been a dead planet, thousand of centuries ago; as also all planets depending upon it, as an intermediate.

"In fact, all planetary masses are sympathetic-transferring-mediums, or intermediates, of this prime, luminous, *dominant* element. In the vibratory *subdivision of matter*, as *progressive evolution* has been analysed, it is evident that these transfers of sympathetic force? extend beyond the limits of our orbital range, from system to system, throughout the realms of *space*: these progressive systems becoming themselves, after a certain range of *sympathetic motion*, *sympathetic* intermediates, as included in the whole of one system, exemplified so beautifully in the cerebral convolutions, with their connective *sympathy* for each other; transferring as a whole on the focalizing centre, from which it radiates to all parts of the physical organism, controlling in all its intricate variety the *sympathetic* action, of our movements." (Keely.)

"What is there that we really know?" asks Buckle?. "We talk of the law of *gravitation*, and yet we know not what *gravitation* is; we talk of the conservation of force and distribution of forces and we know not what forces are." "The vibratory *principles* now discovered in physics", says Hemstreet?, "are so fine and attenuated that they become an analogy to mental or cerebral vibrations". Let us see what Keely's system of *vibratory physics* says of *gravity*, *cohesion*, etc.

**What is Gravity?** — "*Gravity* is an eternal existing condition in *etheric space*; from which all *visible* forms are condensed. Consequently, it is inherent in all forms of *matter*, *visible* and *visible*. It is not subject to *time* nor *space*. It is an established *connective link* between all forms of *matter* from their birth, or *aggregation*. *Time* is annihilated by it, as it has already traversed *space*, when the *neutral centres* of the *molecules* were established.

"*Gravity*, then, is nothing more than an attractive, *sympathetic stream*, flowing towards the *neutral centre* of the *earth*, emanating from *molecular centres of neutrality*, *concordant* with the *earth's centre of neutrality*, and seeking its medium of *affinity*, with a power corresponding to the character of the *molecular mass*."

**What is Cohesion?** — "*Cohesion* simply implies *attraction*. It is the negative, vibratory *assimilation*, or *aggregation*, of the molecules, acting according to the *density* or compactness of the *molecular* groupings on their structures. The differing character of *molecular densities*, or *molecular* range of *motion*, represents differing powers of *attraction*. The lower the range of motions on the *molecular* vibrations of these structures, the greater is the attractive force that holds them together; and vice versa."

**What is Heat?** — "*Heat* may be classed as a vibro-atomic element (not

exceeding 14,000 vibrations per second at its greatest *intensity*), residing as a *latent* element in all conditions of *matter*, both *visible* and *invisible*. The *velocity* of the *sympathetic flows* which emanate from our solar world, the *sun*, coming into contact with our atmospheric medium liberates this element in all the different degrees of *intensity* that give warmth to our *earth*. *Light* is another resultant; the different intensities of which are given according to the different angles of this sympathetic projectment?

"The *light* that emanates from a glow-worm is the *resultant* of the action of the *sympathetic* medium of the insect itself, on a centre of phosphorescent *matter*, which is included in its structure. The resultant of the two conditions are quite different, but they are governed by the same *laws* of sympathetic percussion?. *Radiation* is the term used to express the reaching out of the thermal element, after its liberation from its *corpuscular imprisonment*, to be re-absorbed or returned again to its *sympathetic* environment; teaching us a lesson in the *equation* of disturbance of sympathetic equilibrium?."

## **FORCE**

"By what means is *force* exerted, and what definitely is *force*? Given that *force* can be exerted by an act of *will*, do we understand the mechanism by which this is done? And if there is a gap in our *knowledge* between the *conscious idea* of a *motion* and the liberation of muscular energy needed to accomplish it, how do we know that a *body* may not be moved without ordinary material contact by an act of *will*?" These questions were asked by Professor Lodge? in his paper on "Time"; and as Keely contends that all metallic substances after having been subjected to a certain *order* of *vibration* may be so moved, let us see how he would answer these questions. When Faraday endeavoured to elaborate some of his "unscientific notions in regard to *force* and *matter*", men of science then said that Faraday's writings were not translatable into scientific language. The same may be said of Keely's writings. Pierson? says, "The very fact that there is about the product of another's *genius* what you and I cannot understand is a proof of *genius*, i.e., of a superior order of faculties". Keely, who claims to have discovered the existence of hidden energy in all aggregations of *matter*, imprisoned there by the infinite *velocity* of *molecular rotation*; asserts that "physicists in their mental rambles in the realm of analytical *chemistry* (analytical as understood by them) have failed to discover the *keynote* which is associated with the flow of the mental element", that "they have antagonized or subverted all the conditions", in this unexplored territory of negative research, which he has demonstrated as existing in reference to *latent energy* locked in *corpuscular spaces*. These antagonisms might have been sooner removed had those physicists who witnessed some of Keely's experiments, while he was still working blindfold, as it were, in past years, not belonged to that class of scientists "who only see what they want to see, and who array facts and figures adroitly on the side of pre-conceived *opinion*". Since the last meeting of the British Association?, Keely, in writing of some of the addresses delivered, says: "it delights me to find that

physicists are verging rapidly toward a region which, when they reach, will enable them to declare to the scientific world what they now deny; viz., that immense volumes of *energy* exist in all conditions of *corpuscular spaces*. My demonstrations of this *truth* have been ignored by them; and now they must find it out for themselves. I do not doubt that they will reach it in their own way, I accept Professor Stoney's idea that an *apsidal motion* might be caused by an interaction between high and low tenuous *matter*; but such conditions, even of the highest accelerated *motion*, are too far down below the *etheric realm* to influence it sympathetically, even in the most remote way. I mean by this that no *corpuscular action or interaction* can disturb or change the character of *etheric undulations*. The conception of the *molecule* disturbing the *ether* by electrical discharges from its parts, is not correct, as the highest conditions associated with *electricity* come under the fourth descending *order* of sympathetic condensation?, and consequently its *corpuscular realm* is too remote to take any part towards *etheric* disturbance. Hypothesis is one thing and actual experimental demonstration is another; one being as remote from the other as the electrical discharges from the recesses of the *molecule* are from the tenuous condition of the universal *ether*. The conjecture as regards the *motion* being a series of *harmonic elliptic* ones, accompanied by a slow *apsidal* one, I believe to be correct. . . . The combination of these motions would necessarily produce two circular motions, of different amplitudes, whose differing periods might correspond to two lines of the *spectrum*, as conjectured, and lead the experimenter, perhaps, into a position corresponding to an *ocular illusion*. Every line of the *spectrum*, I think, consists not of two close lines, but of compound triple lines: though not until an instrument has been constructed, which is as perfect in its parts as is the sympathetic field? that environs *matter*, can any truthful conclusion be arrived at from demonstration". — Keely.

It must be remembered that Keely claims to have demonstrated the *subdivision* of *matter* in seven distinct orders: *molecular*, *intermolecular*, *atomic*, *interatomic*, *etheric*, *interetheric*, reaching the *compound interetheric* in the seventh *order*, or the *substance* of the *will*. How can such claims be expected to command the attention of men of *science*, when one of the most liberal among them has said that to say the *will* is a material thing belongs to the crude *materialism* of the savage? In commenting further upon the experimental researches of men of *science* to show whether *ether* in contact with moving *matter* is affected by the *motion* of such *matter*, Keely writes: "The *motion* of any *matter* of less *tenuity* than the *ether* cannot affect it, any more than atmospheric air could be held under *pressure* in a perforated chamber. The tenuous flow of a *magnet* cannot be waived aside by a plate of heavy glass, and yet the magnetic flow? is only of an *interatomic* character and far more crude than the introductory *etheric*. The *etheric elements?* would remain perfectly static under the travel of the most furious cyclone; it would pass through the *molecular* interstices of any moving projectile with the same facility that atmospheric air would pass through a coarse sieve. *Ether* could not be affected by the *motion* of less tenuous *matter*, but if the *matter* were of the same tenuous condition it would sympathetically associate

itself with it; consequently there would be no **motion** any more than **motion** accompanies **gravity**.

"In the same way that the **mind flow** induces **motion** on the physical organism, **sympathetic flows** on **molecular** masses induce **motion** on the **molecular**. The **motion** of the molecules in all vegetable and mineral forms in nature are the result of the sympathetic force? of the **celestial mind flow** (or the **etheric** luminous) over **terrestrial matter**. This celestial flow? is the controlling medium of the universe, and one of its closest associates is **gravity**. The **molecule** is a world in itself, carrying with it all the ruling **sympathetic** conditions which govern the greatest of the planetary masses. It oscillates within its **etheric rotating envelope** with an inconceivable **velocity**, without percussing its nearest attendant, and is always held within its sphere of action by the fixed gravital power of its **neutral center**, in the same sympathetic order? that exists between the planetary worlds. The **dissociation** of aggregated molecules by **intermolecular vibration** does not disturb even to an **atomic** degree these fixed neutral points. Each **molecule** contributes its quota to the **latent electrical force**, which shows up by **explosion** after its gathering in the storm clouds, and then it returns to the **molecular** embrace it originally occupied. You may call this return, **absorption**; but it gets there first during corpuscular **aggregation**, and comes from there, or shows itself, during **sympathetic** disturbance of **equilibrium**."

## **ELECTRICITY**

*"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 wonder of **sympathetic outreach**, is the negative current of the triune stream?. The **enharmonic**, or high **neutral**, acts as the assimilative towards the re-instatement of sympathetic disturbance?. In electric lighting, the **velocity** of the dynamos accumulates only the **harmonic** current — by **atomic** and **interatomic** 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** and **darkness** induced by this **motion** helps to keep up the activity of these streams, and the consequent **assimilation** and **dissimilation**. The **light** zone being ever followed by the dark zone holds the **sympathetic polar wave** constant in its fluctuations. 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 oceans 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 *interatomic* 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.

## THE ATOM

Question asked in *Clerk Maxwell's memoirs*; — "Under what form, right, or light, can an *atom* be imagined?" *Keely* replies: — "It eludes the grasp of the *imagination*, for it is the introductory step to a conception of the eternity of the duration of *matter*. The *magnitude* of the *molecule*, as compared to the *interatom*, is about on the same *ratio* as a billiard ball to a grain of sand; the billiard ball being the domain wherein the triple *intermolecules* rotate, the *intermolecules* again being the field wherein the atomic triplets? sympathetically act, and again progressively, in the *interatomic* field, the first *order* of the etheric triplets? begins to show its sympathetic inreach? for the centres of neutral focalization?. It is impossible for the *imagination* to grasp such a position. *Interatomic subdivision* comes under the *order* of the fifth dimensional *space* in etheric condensation?. Atoms and corpuscles can be represented by degrees of progressive *tenuity*, as according to progressive subdivision?, but to imagine the ultimate position of the *atomic* alone would be like trying to take a measurement of immeasurable *space*. We often speak of the borders of the infinite, No matter what the *outreach* may be, nor how minute the corpuscular *subdivision*, we still remain on the borders, looking over the far beyond as one on the shore of a boundless ocean who seeks to cross it with his gaze. Therefore, philosophically speaking, as the *atom* belongs to the infinite and the *imagination* to the finite, it can never be comprehended in any form or light, nor by any right; for in the range of the *imagination* it is as a bridge of mist which can never be crossed by any condition that is associated with a *visible molecular mass*, that is, by *mind* as associated with crude *matter*."

## SYMPATHETIC OUTREACH

"*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 *interatomic* conflict, as between the *dominant* and *enharmonic*." — Keely.

## HYDROGEN

"The horizon of *matter*, which has been thought to rest over attenuated *hydrogen*, may extend to infinite reaches beyond, including stuffs or substances which have never been revealed to the *senses*. Beings fashioned of this attenuated *substance* might walk by our side unseen, nor cast a shadow in the noon-day sun." — Hudson Tuttle?.

"This supposition of itself admits that *hydrogen* is a compound. If It were indivisible it would assimilate with the high luminous, from which all substances are formed or aggregated. If *hydrogen* were a simple it could not be confined. No *molecular* structure known to man can hold the inter-luminous; not even the low *order* of it that is chemically liberated. The word attenuated admits that *hydrogen* is a compound. I contend that *hydrogen* is composed of three elements, with a metallic base, and comes under the order of the second *atomic*, both in *vibration* and *sympathetic outreach*. *Hydrogen* exists only where planetary conditions exist: there it is always present, but never in uninterfered *space*. There is much *celestial material* that has never been revealed to the *senses*.

"My researches lead me to think that *hydrogen* carries *heat* in a *latent* condition, but I do not believe it will ever be possible to originate a device that will vibrate *hydrogen* with a *velocity* to induce it. The word imponderable as applied to a *molecule* is incorrect. All gases as well as atmospheric air are *molecular* in their structures. If atmospheric air is subdivided, by *atomic vibration*, it merely dissociates the *hydrogen* from the *oxygen*; neither of which, though disunited, passes from the *intermolecular* state and not until *hydrogen* is sympathetically subdivided in its *intermolecular* structure by *interatomic vibrations* can it assimilate with the introductory *etheric* element. There is a wonderful variation of gravital *sympathy* between the gaseous elements of compounds, all of which come under the head of *molecular*." — Keely.

Under date of October 1st, 1891, Mr. Keely writes: "I see no possibility of failure, as I have demonstrated that my theories are correct in every particular, as far as I have gone; and if I am not handicapped in any way during the next eight months, and my depolarizer? is perfect, I will then be prepared to demonstrate the truth of all that I assert in reference to *disintegration*, cerebral diagnosis, *aerial suspension* and *dissociation*, and to prove the *celestial* gravital link of *sympathy*, as existing between the polar *terrestrial* and *equation* of *mental* disturbance of *equilibrium*. It is a broad assertion for one man, and 'an ignorant

*man' at that, to make; but the proof will then be so overwhelming in its truthful simplicity that the most simple-minded can understand it. Then I will be prepared to give to [science](#) and to commerce a system that will elevate both to a position far above that which they now occupy".*

Again, Nov. 4, Mr. [Keely](#) says: "The proper system for the treatment of cerebral [differentiation](#) is not yet known to the physician of today. The dissimilarities of opinion existing, with regard to any case, is confounding. When the true system is recognized, the vast number of physical experimentalists, now torturing humanity, will die a natural [death](#). Until this climax is reached, physical suffering must go on multiplying at the same [ratio](#) that experimentalists increase. [Molecular differentiation](#) is the fiend that wrecks the physical world, using the seat of the cerebral forces as its intermediate [transmitter](#). It is the devastating dragon of the universe, and will continue to devastate until a St. George arises to destroy it.

*The system of equating [molecular differentiation](#) is the St. George that will conquer. When, my system is completed for commerce, it will be ready for [science](#) and art. I have become an excessive night-worker: — giving not less than eighteen hours a day, in times of intensification?. I have timed my race for [life](#) and I am bound to make it". The views expressed by Dr. Gerard?, as given on p.10 as to the relations existing between our mechanism, and our work of [brain](#) and hands, are sustained by Herschel?, who wrote:- "The [brain](#) and nervous system bear a somewhat close resemblance to a galvanic [battery](#) in constant [motion](#), whose duty it is to provide a certain and continuous supply of its special fluid for consumption within a given time. As long as supply and demand are fairly balanced, the functions which owe their regular and correct working to the fluid are carried on with precision; but when, by excessive demands carried far beyond the means of supply, the [balance](#) is not only lost but the machine itself is overstrained and injured, disorder first and disease after are the result."*

HOW MR. KEELY, IN 1891, WAS ABLE TO SECURE THE ATTENTION OF MEN OF SCIENCE TO HIS RESEARCHING EXPERIMENTS.

During the summer of 1890, Mr. [Keely](#) was harassed by threats, said to proceed from disappointed stockholders in the [Keely Motor Company](#), of [suits at law](#) for obtaining their money under false pretences.

After several unsuccessful attempts with the editors of leading magazines in London, Boston, and New York, to have the claims of Mr. [Keely](#) upon the public, for [sympathy](#) in his colossal work, made known, I accepted the offer of an editor on the staff of the Times, to accomplish what I had failed to do. The programme, as laid out by this editor, was to use his extended influence with the leading journals throughout Great Britain, in having brief notices of [Keely](#) inserted; to be followed up with a magazine article, for which I furnished the material. Later this arrangement was modified, the editor proposing to write an essay, handling the

various [molecular](#) and [atomic](#) theories; pointing out wherein [Keely's](#) views were original and showing their revolutionizing tendencies. This work, which was to have been commenced in November, was delayed until all need was over; and when I received in January, 1892, a letter saying that the editor had been unable to commence his work, for want of sufficient material, which I was requested to forward to him, I answered that Mr. [Keely's](#) threatened troubles were over, as the protection of men of [science](#) had been gained for him. The Provost of the University of Pennsylvania?, has given permission to make public this Preamble, which he read before a distinguished company, of Professors and others, at his house, on the evening of the 14th of January, 1891, followed by an address, setting forth the grounds of faith in the discoveries of [Keely](#), and the nature of his claims. All that was asked for Mr. [Keely](#), in behalf of the interests of [science](#), was conceded for him; and Mr. [Keely](#) has been able to continue his researches, up to the present time, without the delays which [actions-at-law](#) would have occasioned. As I found, on my return to Philadelphia in November, 1890, that a subscription had been set on foot to raise money from disaffected stockholders, for the purpose of bringing these suits against Mr. [Keely](#), if he did not resume work on an engine, it will be seen that there was no time to be lost after the editor on the Times disappointed Mr. [Keely](#). The paper written by Mr. Nisbet, after it had been countermanded, has been read since by several men of [science](#), and is held over to appear, in time, when all that is connected with [Keely](#) will have become of interest to the world, and his foes as well as his friends have been classified.

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## KEELY'S PRESENT POSITION

Principally from The Philadelphia Enquirer, of April 26th, 1891

It having been generally understood that [Mrs. Moore](#) wished to have physicists investigate Mr. [Keely's](#) discoveries, she has requested to have this impression corrected and her true object made known as set down in the preamble to her paper, read at the house of the Provost of the University of Pennsylvania?, 14th January, 1891, which is published below with the consent of the Provost. On the 23rd of March [Mrs. Moore](#) received a letter from Professor [Koenig](#), in which he wrote :

*"With regard to the experiments, which I saw at Mr. [Keely's](#), I venture upon the following suggestion, as a test of the nature of the force Mr. [Keely](#) is dealing with. The revolution of the compass as a result of negative polar attraction?. It is stated in Mr. [Keely's](#) paper that he finds [gold](#), [silver](#), [platinum](#), to be excellent media for the transmission of these triple currents?. Now it is well known that these same metals are most [diamagnetic](#), that is unaffected by magnetic influences. If, therefore, a needle be made of one of these metals and suspended in place of the steel needle, in the compass, and put under the influence of Mr. [Keely's](#) force, it ought to revolve the same as the steel needle will under magnetic [polar](#) and anti-polar influence. If Mr. [Keely](#) could make such a needle*

*revolve, it would convince me that he is dealing with a force unknown to physicists".*

To this requirement, Mr. Keely replied: *"To run a needle composed of non-magnetic material by polar and depolar action is a matter of as infinite impossibility as would be the raising of a heavy weight from the bottom of a well by sucking a vacuum in it, or the inhalation of water into the lungs, instead of air, to sustain life".*

However, it seems that Mr. Keely took up a line of research that was new to him and succeeded in making a needle of the three metals, gold, silver and platinum, rotate by differential molecular action, induced by negative attractive outreach?, which is as free of magnetic force as a cork.

Professor Brinton has prepared a paper, undertaking to explain what the force is, which he will himself read at Mrs. Moore's house to those invited, who are present, one evening this week, to hear the result of the observation of Mr. Keely's experiments; — not investigation of them. The result will not be made public, as the object is to influence in no way the price of the stock of the company to which. Mr. Keely is under obligations, and which is, as far as marketable value is concerned, worthless until his system is completed to that point where he is able to patent some one device.

The preamble to Mrs. Moore's paper referred to above is as follows:

*"Before commencing to read my paper I wish to lay before you the object of this effort to interest men of science in the researches of a man who, in the cause of justice alone, is entitled to have his life's work fairly represented to you. Some of our men of science have, unwittingly, been the medium by which great injustice has been done to Mr. Keely, and to me also, by placing me before the world as a woman whom the Keely Motor Company management had robbed of large sums of money: whereas, in truth, I have never been in any way involved by the Keely Motor Company.*

*"In the winter of 1881-82, Mr. Keely, who was dependent upon "The Keely Motor Company" for the means to continue his researches, as to the nature of the unknown force he had discovered, was virtually abandoned by the Company. Himself as ignorant as its managers were of the source of the mysterious energy he had stumbled over, he was driven to despair by their action; and, when I was led to his assistance, I found his wife's roof mortgaged over her head and that he had destroyed the patient labour of years, in researching instruments. With a prison facing him he had resolved to take his life, rather than submit to the indignities threatening him. At this time, I had taken from my private estate a sum to found a small public library to my father's memory, in the village of his birth, Westfield, Massachusetts. After convincing myself that Mr. Keely had made a great discovery, I felt that if this money could save this discovery, jeopardized*

as it was, it was my duty to so appropriate it. At that time, Mr. Keely thought that half of the amount so appropriated would be all that he should require: but, unfortunately, his efforts were for years confined to the construction of an engine for the Company that had abandoned him. Later, he commenced researches which resulted in the discovery, in 1886, that he had unknowingly imprisoned the ether; greatly increasing my interest in his work.

"The plan to which I shall allude in my paper, as framed by Professor Leidy, for Mr. Keely to follow, and approved by Professor Hertz, of Bonn, and Professor Fitzgerald, of Trinity College, Dublin, may be summed up as one that permits Mr. Keely to pursue his researches on his own line, without further investigation, up to the completion of his system in a form which will enable him to give to commerce with one hand his model for aerial navigation, and to science, with the other, the knowledge that is necessary for extending its researches in the field of radiant energy — which Mr. Keely has been exploring for so many years. I ask the prestige of your sympathy for me, as well as for your interest in Mr. Keely's work, on this basis; and if in one year you are not convinced that satisfactory results have been attained for science, I will promise to leave Mr. Keely in the hands of the 'usurers and Shy-locks of commerce', who have already forced him into renouncing seven-eighths of his interest in what the Keely Motor Company claims as its property.

"At present I do not desire from anyone indorsement of Keely's discoveries. Until his system is completed he wishes to avoid all discussion and all public mention of the anticipated value of his inventions. Mr. Keely's programme of experimental research, as laid down by himself, last March, when I first proposed to furnish him with all the funds needed to carry it out, comprises its continuance until he has gained sufficient knowledge of the force that he is controlling — which force is derived from the dissociation of water — to enable him to impart to others a system that will permit men of science to produce and to handle the force, and enable him to instruct artisans in the work which lies in their province, viz: the construction of machines to apply this costless motive power in mechanics.

"Only the prestige of your interest in Mr. Keely's researches can secure to him freedom to pursue researches on his own road, a course pronounced by Professor Leidy, Professor Hertz and Professor Fitzgerald to be 'the only proper line for him to pursue'.

"The building of an engine is not in Mr. Keely's province. His researches completed to that point which is necessary for perfect control of the force, practical application will follow. The result of his experimental researches for nine months on this line has been such as to revive the interest of the speculative management of the Keely Motor Company, to that extent that Mr. Keely is now offered the support of its stockholders if he will resume construction of an engine; and this after more than seven years of failure on the part of the company to furnish him with one dollar to carry on his great work.

*"The official Report put forth in January by the [Keely Motor Company](#) managers annulled my contract with Mr. [Keely](#); but he is willing to abide by it, if I am able to continue to furnish him with the necessary funds. This position of affairs has forced me to the front to ask of you whether you will place it in my power to renew the contract with Mr. [Keely](#); or leave him under the control of men who seem to be oblivious of the interests of the stockholders of the company in their 'clamor' for an engine. When this system is completed, in its application to mechanics, the present mode of running engines with shafts and beltings will disappear, creating a revolution in all branches of industry.*

*"Looking at my request from another point of view, do you not think it due to extend to Mr. [Keely](#) an opportunity to prove all that one of your number is ready to announce as his conviction in regard to the claims of Mr. [Keely](#)?"*

*"You all know to whom I refer — Professor [Joseph Leidy](#). 'Oh, Leidy is a biologist,' said an English physicist not long since; 'get the opinion of a physicist for us'. If I did not wish for the opinion of physicists, I should not have appealed to you for help at this most critical juncture. But I also ask that no opinion be given by any physicist until Mr. [Keely](#)'s theories are understood and demonstrated, by experiment, as he is able to do.*

*"Yes, [Dr. Leidy](#) is a biologist, and what better preparation could a man have than a study of the [science of life](#) to enable him to discern between [laws](#) of nature, as invented by physicists and nature's operations as demonstrated by [Keely](#)?"*

*"The [science of life](#) has not been the only branch to which [Dr. Leidy](#) has given profound attention; it is his extensive and accurate knowledge of its methods, limits and tendencies, which prepared the way for that quick comprehension of possibilities, lying hidden from the sight of those men of science whose minds have rested (not rusted) in the grooves of mechanical [physics](#). In [Dr. Leidy](#) we find entire scientific and intellectual liberty of thought, with that love of justice and truth which keeps its possessor from arrogance and intolerance, leading him with humility to 'prove all things and hold fast to [truth](#)'. To such men the world owes all that we have of advance since the days when science taught that the earth is flat, arguing that were it round the seas and oceans would fall off into [space](#). In [Dr. Leidy](#)'s name and in justice to him, I ask your sanction to, and approval of, my efforts to preserve [Keely](#)'s discoveries for science — discoveries which explain, not only the causes of the planetary motions, but the source of the one eternal and universal force".*

A correspondent in Invention, London, writes, December 12, 1891

We have at various times in these columns alluded to the investigations of the Philadelphia scientist, [J. W. Keely](#), and this searcher — who is now stated to be engaged in finding a method whereby the power which he professes to have

discovered can be employed as a motor in the place of steam — is just now the object of considerable attention in the press of the United States. To summarize the present state of the criticism to which this man is subjected, we may mention that for some time past The New York Herald, among other papers, has been printing a series of articles that have been recently prepared by an American inventor named Browne?, professing to show how Keely has, for nearly twenty years, been deceiving expert engineers, shrewd men of the world, some few university professors and others, by the use of compressed air, obtaining testimonials of his discovery of an unknown force in nature. In reading his articles any one who has seen the photographs — as the writer has done — of the researching instruments discarded by Keely, in past years, and those that he is now employing in their place, cannot fail to detect the misstatements and misrepresentations made.

Mr. Browne? (?) even overrides the testimony of the late Professor Leidy, Dr. Willcox, Dr. Koenig, Dr. Brinton — the Baltimore physicist — Dr. Tuttle?, and the engineers Linville? and Le Van?, all of whom have tested the force used by Keely, and admitted that no electricity, no magnetism, no compressed air is used. Without indorsing in the slightest anything that Keely has discovered, or claims to have discovered, we think that, with the English love of fair play, both sides should always fairly be heard before either is condemned, and as Mr. Keely has consented to instruct a well-known English physicist in his method of producing the force handled, there is every chance of the truth being known, and the correct state of the matter divulged to the scientific world at large, when, mayhap, this rival inventor may have to retract his assertions or stand a suit for libel. We do not say it will be so — we only assert it may be. Professor Brinton who has made a study of Keely's methods, writes this month to a friend in London: — "The exposé of Keely's alleged methods continues each week. Some of the proposed explanations are plausible, others are plainly absurd. They only serve to attract renewed attention to Keely. I have written to the editor to ask him to arrange a meeting for me with the writer, but I have not yet been able to discover the Mr. Browne?, of Brooklyn, who is the suppositious author."

Mr. Keely has chosen the successor of Professor Tyndall, at the Royal Institution of Great Britain, as the only one to whom he is willing to communicate his method. This will be welcome news indeed to scientists on both sides of the Atlantic, and the result will be awaited with anxiety alike by both the friends and foes of Keely. We shall watch for the result, as will our American confrères. — Wm. Norman Brown?.