

14.01 - Hints from Bloomfield-Moore

"If the multitude of so-called *laws* of nature could be resolved into one grand universal law, would it not be considered a great step in the progress of scientific knowledge? This is what our pioneer [Keely] claims for his discoveries, one law working throughout nature, in all things; for, as Macvicar says, the productive and conservative agency in creation, as it exists and acts does not consist of two things, "idea" and "power"; but of a unity embracing both, for which there is no special name. The relation between the Creator and the Creation, the *First Cause* and what he has effected, is altogether inscrutable; but *intelligence* acting analytically, as it cannot be kept from doing, insists on these two elements in the problem, viz. idea and power.

"The law of the universe is a distinct *dualism* while the creative energies are at work; and of a compound *union* when at rest."

"The hypothesis that motion can only be effected mechanically, by pressure or traction or contact of some kind, is an utterly helpless one to explain even familiar movements. *Gravitation* itself, the grandest and most prevailing phenomenon of the material universe, has set all genius at defiance when attempting to conceive a mechanism which might account for it. The *law of sympathetic association*, or *sympathetic assimilation*, between two or more atoms, or masses of atoms, explains this grand phenomenon; but Roscoe, in theorizing on the *atomic theory*, says that from purely chemical considerations it appears unlikely the existence of atoms will ever be proved. It never could have been proved by mechanical physics nor by *chemistry*. The law which locks the atoms together would have remained an unknown law, had not Keely opened the door leading into one of nature's domains which was never entered before, unless by the fabled *Orpheus*, who, mythology tells us, was killed because he revealed to man, what the gods wished to conceal. Certainly, whether *Orpheus* ever existed or not, the principle which *Pythagoras* promulgated as the teaching of *Orpheus* is disclosed in one of Keely's discoveries.

"In the great fresco of the school of Athens, by Raphael, *Pythagoras* is represented as explaining to his pupils his theory that the same principle underlies the harmonies of *music* and the motion of heavenly bodies. One of these pupils holds in his hand a tablet, shaped like a *zither*, on which are inscribed the Greek words. *Diapason*, *Diapente*, *Diatessaron*. Of the *diapason*, or concord of all, Spenser writes, in *The Faerie Queen*:

Nine was the circle set in heaven's place,
All which compacted made a goodly *diapase*.


"Here we have a clue to the *Thirds*, *Sixths* and *Ninths* of Keely's theories, in the operations of his *polar negative attractor*. The conception of the Pythagoreans of *music*, as the principle of the creation's order, and the mainstay and supporter of the material world, is strictly in accordance with the marvelous truths which are now being unfolded to *science*. Rightly divined *Browning* when he wrote of

. . . *music*'s mystery, which *mind* fails
To fathom; its solution no mere clue;

"and Cardinal Newman also, when he discoursed of musical sounds, "under which great wonders unknown to us seem to have been typified," as "the living law of divine government." Since the days of Leucippus, poets and philosophers have often touched upon the mysteries hidden in *sound*, which are now being revealed in the experimental researches of Keely. These truths make no impression on those who are not gifted with any comprehension of nature's harmonious workings, and are regarded as flights of fancy and of rhetoric. Among the utterances of *inspiration* - and all *truth* is inspired - one of the most remarkable, when taken in connection with these discoveries, is found in these eloquent words of the Dean of Boston University in his "Review of Herbert Spencer," printed in 1876:

"Think of the universal warring of tremendous forces which is for ever going on, and remember that out of this strife is born, not *chaos*, *void* and formless, but a creation of law and *harmony*. Bear in mind, too, that this creation is filled with the most marvelous mechanisms, with the most exquisite contrivances, and with forms, of the rarest beauty. Remember, also, that the existence of these forms for even a minute depends upon the nicest balance of destructive forces. Abysses of *chaos* yawn on every side, and yet creation holds on its way. Nature's

keys need but to be jarred to turn the tune into unutterable *discord*, and yet the *harmony* is preserved. Bring hither your glasses - and see that, from *atomic* recess to the farthest depth, there is naught but 'toil co-operant to an end.' All these atoms move to *music*; all march in tune. Listen until you catch the strain, and then say whether it is credible that a blind force should originate and maintain all this."

Sir John Herschel  said:- "There is some principle in the *science* of *music* that has yet to be discovered."


"It is this principle which has been discovered by *Keely*. Let his theories be disputed as they have been, and as they still may be, the time has come in which his supporters claim that he is able to demonstrate what he teaches; is able to show how superficial are the foundations of the strongholds to which physicists are clinging; and able to prove purity of conditions in physical *science* which not even the philosophers and poets of the past have so much as dreamed of in their hours of *inspiration*.

. . . . ways are made,
Burdens are lifted, or are laid,
By some great law unseen and still,
Unfathomed purpose to fulfill.

"Our materialistic physicists, our Comtist and agnostic philosophers, have done their best to destroy our faith.

"Of him who will not believe in *Soul* because his scalpel cannot detect it, *Browning* wrote:

To know of, think about-
Is all man's sum of faculty effects,
When exercised on earth's least *atom*.
What was, what is, what may such atoms be?-
Unthinkable, unknowable to man.
Yet, since to think and know *fire* through and through
Exceeds man, is the warmth of *fire* unknown?
Its uses - are they so unthinkable?
Pass from such obvious power to powers unseen,
Undreamed of save in their sure consequence:
Take that we spoke of late, which draws to ground
The staff my hand lets fall; it draws at least -
Thus much man thinks and knows, if nothing more.

"These lines were written in reference to *Keely*'s discovery of the infinite *subdivision* of the *atom*; for not until a much later period was *Browning* influenced by a New York journalist to look upon *Keely* as "a modern *Cagliostro*." *Keely*'s discovery was the *keynote* of "*Ferishtah's Fancies* ,

 written by *Browning* before he met this journalist.

"Professor Koenig writes:- "I have long given up the idea of understanding the Universe; with a little insight into its microcosm. I would feel quite satisfied; as every day it becomes more puzzling."

"But there are no boundaries set to *knowledge* in the *life* of the *soul*, and these discoveries reach out so far towards the Infinite, that we are led by them to realize how much there is left for *science* to explore in the supposed unfathomable depths of the *etheric* domain, whence proceeds the influence that connects us with that infinite and eternal energy from which all things proceed.

"The attitude of willingness to receive truths, of whatever nature, now manifested by men of *science* in regard to *Keely*'s experimental research, is shared by all who are not "wise in their own conceit." They stand ready to welcome, while waiting for proof, the discovery of Darwin's grand-niece, Mrs. *F. J. Hughes*, as now demonstrated by *Keely*, viz., that the *laws* which develop and control harmonies, develop and control the universe; and they will rejoice to be convinced (as *Keely* teaches) that all corpuscular *aggregation* absorbs *energy*, holding it *latent* in its embrace until liberated by a certain *order* of *vibration*; that nature does not aggregate one form of *matter* under one law, and another form of *matter* under another law. When this has been demonstrated, to their entire satisfaction, they will acknowledge that *Faraday*'s speculations on the nature of *force* and *matter* pointed the

way to [Keely's](#) discoveries. Some broad-minded men have been pursuing lines of research which give evidence of their [desire](#) to solve the problem for themselves as to the mode of rupturing the [atom](#), which science declare to be indivisible." [[Keely and His Discoveries](#), Chapter XVIII, Part II, A Pioneer in an Unknown Realm]

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