

## “VIBRATION.”

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In considering the efferent half of the normal complete cycle we observed the fact of a direct anatomical connection between brain cell and tissue cell, and have seen that when nothing interferes with the carrying capacity of the efferent nerves there will be a condition known as coordination. But the efferent half is useless without the afferent half of the cycle, for there must be, as Morat says, “In every living being a double current of matter and energy.” The study of the afferent half of the cycle gives us the transitions from periphery to center; therefore, we begin with coordination in the tissue cell, which is normal in function. As these two steps have been considered in the preceding lectures, it will not be necessary to repeat them here. Our first consideration then will be of “vibration,” which we make the burden of this article.

It is interesting to note that all things are in constant motion. In fact, we say life is activity. The worlds are in motion. This we accept. Other things are in motion, which fact is very obvious to us. We are told that even the particles of the steel bar are in motion, even though we do not see their molecular movement. There is motion in every particle of matter. Or, in other words, everything is vibrating, and as man does not live unto himself, but influences and is influenced by others either for good or bad, so we might say no particle of matter lives or exists unto itself, but influences other particles by its vibrations; even the particles of iron can be driven closer together.

The molecular, or we might say even electronic motion, or vibrations, that go on all the time in the tissue cell, are carried by the afferent nerve to the brain cell, and are then interpreted and innate intelligence then becomes aware of the condition, and as a result of the interpretation of these normal vibrations, the mental impulses are sent to the tissue cell that will keep it in a normal condition.

For instance, katabolism is going on all the time in the tissue cell, which action makes impression on the afferent nerve, and these vibrational impressions are transmitted to the brain cell and interpreted, and innate intelligence then sends the proper amount of mental impulses to bring about anabolism. But this is all done Innately, for educationally, we are not aware of this action. Nevertheless, it is there. There cannot be a vibration in the tissue cell, that is in uninterrupted communication with brain cell, without the transmission of this vibration to Innate Intelligence, any more than there can be a click of the telegraph instrument here without a corresponding click of the one at the other end of the wire, if the two are connected and the current is cut in. Take the dead body and you have change taking place, and you have vibrations, but there is no transmission, for there is no current and no intelligence to interpret.

Even in this idea of vibrations we find the law of cycles. We find even the vibration of the smallest particle of matter completing a cycle; for one vibration is commonly understood, says Webster, to mean the complete movement described by the particle during one period or until the periodic motion begins to repeat itself.

But when something occurs to change these vibrations, or any change in the relative position of the molecules, which would change the vibrations, we would then have the interpretation of the changed vibrations. A change of external conditions will change, or rather,

produce other vibrations. To illustrate, we might introduce an odor into the atmosphere of this room. This acts as a stimulus to the olfactory portion of the nasal passages, vibrations of a certain character, velocity, etc., are set up in the tissue cell, and carried to the brain cell and interpreted by innate intelligence. In other words, this external stimulus has disturbed the equilibrium of certain cells and caused them to vibrate, swing to and fro, or back and forth.

Now, these vibrations might be called "educated," as at least we are made aware of their interpretation. We develop the sense of touch. It is a matter of interpreting the finer vibrations and being able to place a valuation on them as well as the greater vibrations. Now, I do not mean to say that there is no vibration only when we are aware of it educationally, but when the vibration becomes a certain quality and attains a certain rate of speed and violence, then we begin to receive the interpretation educationally, or begin to be conscious of the vibration.

"As the brain cell is receiving the impressions the tissue cell is also expressing the impulse. The proximity of the impulses is similar to a continuous chain or current of force and the same condition afferently makes this flow of impulses and impressions so constant that if one unit were to lose its place in the progressive work it would allow the value of the action within the atom to decrease, and if a number of them were interfered with, it would make that condition noticeable to man, and if the quantity were voluminous then man would suffer from the lack of them. Rhythmic work in all parts of the body, following as a consequence of the current, providing transmission is normal, is found throughout all parts. One cycloforun, if abnormal, would not be detected by the finite mind, yet the innate mind would at once detect its differences from the normal and immediately begin the process of adjustment, providing that this were a possibility. Innate Intelligence is accurate in all phases of work."

A noted musician was once directing a great orchestra that was thrilling the vast audience with the music from its thousand instruments. The music was perfect, not a discord, not a hitch anywhere, every instrument seemed in perfect tune, every musician doing his best; but presently in the midst of the performance this noted musician held his baton high in the air and called out "Flageolet." His trained ear detected the absence of the notes from this, the smallest instrument of all; the music was not perfect to his trained ear, but to those of the audience the absence of the vibrations produced by the flageolet would not be noticed.

Innate at all times interprets all the impressions made by the vibrations in the tissue cell, but is not always able to make the educated intelligence aware of it. But by training, concentration and development, the educated mind may be able, figuratively speaking, to penetrate the secret library of the innate mind and there become aware of certain interpretations that have not before been made known to her, or at least become acquainted with some of the mysteries that seem to make life so complicated; and the more we can become aware of educationally, or we might say, the more we can become conscious of the interpretations that take place in the innate brain, the broader does our horizon become and hence the broader our views of life. Or it is another way of saying that it is possible to so develop our sensibilities as to be able to get a fuller interpretation and appreciation of the finer vibrations and become conscious, educationally, of this interpretation; and thus get more out of life by having put more into life. There are undoubtedly finer vibrations in life than we have thus far been able to interpret.

The vibrations of the tissue cell, or we might say, the disturbance of the molecules as they change position and form produce at the periphery of the nerve what we call impression, and the character of the impression is determined by the ratio of vibration and the number of molecules disturbed. Remember in all this we are considering the *normal* cycle.