Subtle Energies, Intentionality and Self-Empowerment

by

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After ~a decade of daily mediation practice, I embarked on a thirty-five year long adventure engaging in two parallel paths of science. My day-job at Stanford was as a Professor teaching and researching with my Ph.D. students various topics of establishment Materials Science. My avocational path of study was to investigate the impact of human consciousness on physical reality and, as such, I was investigating psychoenergetic science. From an overly simplistic viewpoint, one could say that for the past ~400 years, establishment science has dealt with multiple aspects of the reaction equation

with the most fundamental, quantitative connection between the two being the Einstein relationship, $\mathbf{E} = \mathbf{mc^2}$, where \mathbf{E} , \mathbf{m} and \mathbf{c} are energy, mass and the velocity of electromagnetic (EM) light, respectively. In contract to this, psychoenergetic science deals with the reaction equation

$$\mathsf{MASS} \stackrel{\longleftarrow}{\longrightarrow} \mathsf{ENERGY} \stackrel{\longleftarrow}{\longrightarrow} \mathsf{CONSCIOUSNESS} \qquad (1b)$$

and, as such, is an expansion of the scope of today's establishment science to a world where the magnitude of human consciousness is appreciably departed from zero.

In today's establishment science, four fundamental forces have been discovered to operate in physical reality. These are gravity, electromagnetism, the long range nuclear force that deals with radioactivity and the short range nuclear force that deals with events at the level of quarks. In contrast, psychoenergetic science deals with both

the energies that lead to these fundamental forces plus **subtle energies**. Some years ago, this author defined subtle energies as all those manifesting in nature **beyond** those associated with the four fundamental forces.⁽¹⁾ In this regard, the use of the word subtle does not mean weak but rather elusive and difficult to nail down instrumentally. The first twenty years of my investigations in this area deal with human manifestations of subtle energies via a number of experiments, described in some detail in my first psychoenergetic book,⁽²⁾ as follows:

- (1) A human's ability to alter a standard Kodak camera with his biofield so as to cause conventional film to manifest robust anomalous phenomena on the film that are **never** present with normal human functioning. This man can influence any camera by keeping it close to his body for ~1-2 weeks and his intention is "just to reveal God's Universe".
- (2) The development of a poised gas discharge device which can respond to energy emission imbedded in the human biofield. This field-effect manifests as an increase in both the number and magnitude of the electron microavalanches in the device. Further, the data show that a human can intentionally direct this energy either into the device to be counted or away from the device and thus not to be counted.
- (3) A healer's ability to emit multiple bursts of subtle energy, largely from her solar plexis region, that yield ear electrode recorded pulses of electric voltage in the ~100 volts range and ~1-100 seconds duration. These energy pulses appear to cause electric charge movement along the acupuncture meridian that stretches from the foot region to the clavical region.
- (4) Studies with young children (~5 to 15 years) showed that they could visualize both electric and magnetic fields generated between electrodes and pole pieces, respectively. Further experiments with lenses and prisms showed that they could also discriminate both optical energies that slowed down on passing through a glass prism and some that appeared to speed up on passing through this prism.

In addition to the foregoing, all the key energies involved in parapsychological phenomena fall into the category of subtle energies.

Turning to the topic of human intentionality, it is important to first articulate the unstated assumption of establishment science for the past ~400 years. This is *that "no human qualities of consciousness, intention, emotion, mind or spirit can significantly influence a well-designed target experiment in physical reality"*.

I and my colleagues set out to seriously test the validity of this unstated assumption by first designing four unique target experiments that were set up and continuously running background data in a laboratory located in Minnesota. The specific intentions for these four experiments were the following:⁽³⁾

- (1) To **raise** the pH of highly purified water in equilibrium with air by one full pH unit with no intentional chemical additions. The measurement accuracy of our instrument was ± 0.01 pH units so were seeking a change that was 100 times the experimental noise.
- (2) To **lower** the pH of this same purified water in equilibrium with air and no intentional chemical additions.
- (3) To significantly raise the in vitro thermodynamic activity of a specific human liver enzyme, alkaline phosphatase (ALP) and
- (4) To significantly raise the in vivo thermodynamic activity of the energy storage molecule, ATP, so that the ratio [ATP]/[ADP] is significantly increased in the cells of fruit fly larvae. This is expected to make the larvae more physically fit leading to a significantly reduced larval development time to the adult fly stage.

The way in which we introduced human consciousness into these four experiments was to take two physically identical low-tech electronic devices whose total electrical power output was less than one millionth of a watt. One was set aside as a control while the other (the host device) was placed on a tabletop, plugged into a room electrical outlet and switched on. Then, four highly qualified meditators sat around the table and went into a deep meditative state while holding the specific intention for this particular device in mind. The fine details of this procedure are given in Reference 3. At the end of

this procedure, the statement "so be it, thy will be done" was given and the imprinters then returned to normal consciousness.

By separating the control device from the host device now called an IIED (intention imprinted electrical device), by ~100 meters and turning both off electrically, we learned that within ~3 to 7 days, the control device had somehow picked up the intention imprint from the IIED. This told us that there was another information carrier wave present in nature than electromagnetism that today's establishment science know nothing about. This was another subtle energy. We eventually learned that this new subtle energy can have its information content dissipated via EM so we wrapped the IIED and the control device (UED) in aluminum foil and placed them in separate, electrically-grounded Faraday cages. In this way, a specific intention imprint could be stored in its host for ~3 to 6 months and we were able to begin serious experimentation.

When everything was set at the laboratory in Minnesota, we took a particular IIED out of its Faraday cage located in the Stanford area, and shipped it by Federal Express to Minnesota. On arrival at the Minnesota laboratory, it was placed ~1 to 2 feet from its designated experimental apparatus, the aluminum foil was removed before it was plugged into an electrical wall outlet, switched on and left alone.

For the first month nothing appeared to change in the continuous data stream from the measurement system. Then, during the next month or two, the magnitude of the quality, Q_M , being measured began to change in the direction specified by the IIED's

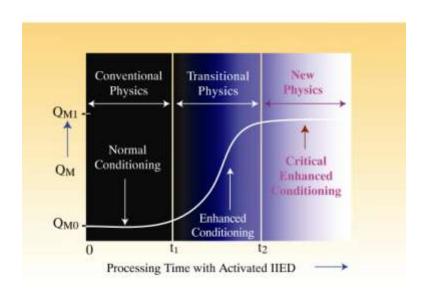
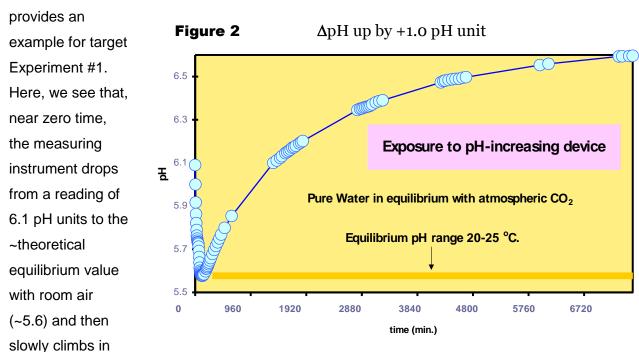


Figure 1

specific intention and began to asymptotically approach the magnitude specified by the particular intention statement. This is illustrated in Figure 1. If e IIED is removed from the region of the experimental apparatus before Q_M reaches the plateau region, then Q_M just slowly (over ~1 to 2 months) decays back to baseline (Q_{Mo}) . However,

if the IIED is not removed from the room until after the flat plateau region has been reached, then Q_M remains at the plateau level for a very long time (years in one case). We then call this space fully "conditioned" to this specific intention.

As for the results – all four target experiments were robustly successful. Figure 2



an exponential fashion to reach a value of \sim 6.6 in \sim 5 days. Target Experiment #2 yielded a drop in pH to a value of \sim 4.6 in a similar time period. Results with pH-buffered water also yielded Δ pH changes consistent with the IIED's specific intention. For target Experiment #3, the thermodynamic activity of ALP increased by \sim 20% at a p-value of less than 0.001. For target Experiment #4, the [ATP]/[ADP] ratio increased by \sim 25 – 20% (p < 0.001) and the larval development time to the adult fly stage was decreased by \sim 20 – 25% (p < 0.001). These huge effect sizes, \sim 20 to 10,000, associated with a specific, focused, human intention imbedded in a host device clearly show that the long-standing unstated assumption of establishment science is very, very wrong!

In addition to the foregoing, we have also observed some remarkable experimental changes in the fundamental substratum of an IIED-conditioned space compared to our normal, U(1) EM gauge symmetry space. The perhaps most revealing characteristic change, is the observation of a DC magnetic field polarity effect when one measures pH in an IIED-conditioned space. By simply placing a round, disk-shaped, ceramic magnet under the water vessel used for the continuous measurement of pH with one pole pointing upwards for ~3-5 days and then the opposite pole pointing upwards for

~3-5 days, one observes ΔpH -values as large as ~1.5 pH units.⁽³⁾ However, if one performs this same experiment in a normal, unconditioned space, one observes $\Delta pH = 0$. This latter result is what one expects for our normal world, where only magnetic dipoles, and not magnetic monopoles, are observed to be instrumentally accessible. With just magnetic dipoles being instrumentally accessible, one is unable to experimentally observe a DC magnetic field polarity effect as it is theoretically disallowed for our normal, U(1) EM gauge symmetry state. Thus, we conclude from this that IIED-conditioning of a space causes that space to develop a uniquely different electromagnetic nature, one more aligned to the higher EM gauge state denoted by the label SU(2) where both electric and magnetic monopoles naturally coexist. Such a state also means that the thermodynamic free energy per unit volume of an IIED-conditioned space is higher than that for our normal U(1) EM gauge space. This is an incredibly important conclusion which I will return to in a moment.

Following up on the unique characteristics of an IIED-conditioned space, we have performed experiments to show that these anomalous results do not come from our normal electric atom/molecule level of physical reality but rather from the coarse physical vacuum level of physical reality. (3) I define the physical vacuum level of reality as occurring in the space **between** the fundamental particles that make up our electric atoms and molecules. In this seemingly empty space, some other kind of "stuff" is functioning that our normal instruments cannot access. However, in an IIED-conditioned space, our initially **normal** instruments are also conditioned to a higher state of functioning so that they now are able to access and register signals from this new type of "stuff". Thus, the measurement picture seems to be the following:

$$\mathbf{Q}_{\mathbf{M}} = \mathbf{Q}_{\mathbf{D}} + \infty_{\mathbf{eff}} \ \mathbf{Q}_{\mathbf{R}} \tag{2}$$

Here, Q_M is the total value registered by our instruments, Q_D is the background value that would be observed for a normal, U(1) EM gauge state in which our electric atoms/molecule behavior can be instrumentally recorded, Q_R is the behavior signature from this vacuum level of physical reality and ∞_{eff} is the coupling coefficient between the D and R levels of physical reality. The human consciousness imbedded in an IIED does **not** directly influence the D-level but it **does** directly influence the R-level and, more importantly, it influences the magnitude of the coupling coefficient, ∞_{eff} . If ∞_{eff} is

negligible in magnitude, then the second term in Equation 2 can be set to ~zero almost regardless of the size for Q_R and our measuring instruments cannot meaningfully register any Q_R -effect, no matter how much activity is going on at that level. However, if human consciousness can increase the inter-level coupling coefficient, ∞_{eff} , our instruments can begin to be able to "peek" into this "other world" and tell us something of what is going on there! Such new effects are probably involved with what today's establishment science is calling dark energy and dark matter.

Our continuing experimental work⁽⁴⁾ has revealed three very important things:

- 1. We have conducted very a successful replication experiment of target Experiment #1 at four U.S. sites (plus four control sites) and two European sites (which first served as control sites for the U.S. IIED-sites). The results showed that **all** IIED sites gave results similar to Figure 2. (3,4) However, much to our surprise, all control sites also gave results similar to Figure 2. This result can be explained as **information entanglement** between **all** sites (4) of the experimental system, even when they are ~6,000 miles apart, just as we initially observed when we set an IIED and a UED (control) device ~100 meters apart and switched them off electrically.
- 2. During this replication experiment, we took our raw experimental data and added a new theoretical analysis in order to extract a measurement procedure for determining the excess thermodynamic free energy per unit volume for the aqueous H⁺ ion relative to that found for our normal U(1) EM gauge symmetry state in standard energy terms. Each of the ten sites (IIED or control) in the U.S. and Europe displayed excess energy values above or below that for the U(1) state by factors of ~1.5 to 3 thus far.
- 3. We also experimented with a few humans to see of some organ or body system was at an EM gauge symmetry level appreciably above the U(1) level while most of the human body is at the U(1) level. If so, this would mean that such an organ or body system was at a higher thermodynamic free energy per unit volume state than the rest of the body and thus could drive all chemical, electrical and optical processes in the rest of the body via both unconscious and conscious intentions. Using an advanced kinesiological testing technique, (4,6) we were able to show

that a DC magnetic field polarity effect existed for the human acupuncture meridian/chakra system. We found via kinesiological testing using a world class Kinesiologist, that the south-pole of a bar magnet strengthened muscle groups when it was brought into the near field of various acupuncture points while the north-pole weakened the same muscle groups.

This is a remarkably important conclusion, that needs to be validated by many other experimenters, because it says that every human, and perhaps all vertebrates, have the necessary apparatus in their bodies for greatly expanding their state of self-empowerment. By disciplined and sustained mental-emotional intention, humans can modulate the flow of Chi (called magnetoelectric energy in this author's work⁽²⁻⁴⁾) which, in turn, can regulate, modulate and balance electromagnetic energy flows in the rest of the human body to enhance one's behavior and performance in life. Just as QiGong masters can influence the outcomes of experiments from thousands of miles away, ⁽⁶⁾ so too can normal humans exercise their control of inner psychophysiological states so as to advance their abilities to those of an adept and then onward to those of a master and finally progress to those of an avatar!

With this psychoenergetic science work, a new door has been opened for deeper explorations of nature than heretofore, where human consciousness, intentions, emotion, mind and spirit will play a much greater role in the great adventure of science and technology as we "ride the river of life" together! (1-5)

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