

13.5.2.2. FROM “ENERGY FIELDS AND THE HUMAN BODY: PART II”

(no date but about 1975. available without figures at <http://tillerfoundation.com/energyfields.html>)

“In this paper, I [WAT] ... project a model of substance so that we may have a framework wherein we can start understanding how many of the non-physical energies... come into play and begin to interact with each other and with the physical....”

”Theoretical Model of Substance: ...[L]et me make clear what I mean by model. A model can be thought of as a working hypothesis. It is a conceptual framework from which we can start to try and understand some aspect of nature. It is a target at which we can start throwing experiments. In the beginning, it is the first discrimination of ideas into some format or structure that gives one a feeling that he is starting to meaningfully grapple with the particular unknown area under consideration. As one begins to model the phenomenon, he is able to formulate the right kind of experiments for testing the hypotheses, and then can perform the experiments and can obtain feedback of new and pertinent information. This allows one to check out whether a particular aspect of the model is correct and to subsequently make corrective changes all through the model as need be as time goes by. However, to do this, one must have a place to start. Thus, models, to me, are like the rungs of a ladder from which one climbs from one level of understanding to another. Most of the models are eventually wrong in detail, but they serve the tremendous function of allowing one to climb from one position of understanding of the universe to a more enlightened position of understanding.”

“...[O]ur present understanding of human energy fields is inadequate to account for these new phenomena. So many things seem to happen that are not explicable in terms of electromagnetic energy or sonic energy that, by trying to squeeze all these new aspects into that very small mould, we will get lost (because they just will not fit). Thus, the place where I have started is to take the yogi philosophy of the seven principles operating in man and hypothesize that this really means that there are seven different levels of substance (unique substance); that these different substances have different types of configurations (1). They obey entirely different kinds of laws -- unique types of laws -- and they have unique characteristics of radiation (absorption and emission). I further postulate that they operate in different kinds of space-time frames in the universe and so are distinct from each other. The seven levels of substance, then, from the coarsest going towards the finest are: (1) the physical level that we are familiar with; (2) the etheric level (the Russians call this the bioplasmic body or the energy body; some people call it the pre-physical body); (3) the astral level; (4) there are three levels of mind: instinctive, intellectual and spiritual mind and (5) another distinct level which is spirit.”

“There is considered to be a level beyond these seven, which shall be called the Divine. However, relative to all that I think we will be capable of perceiving for a very long period in the course of human evolution, we may think just in terms of the seven levels of substance.”

“These seven substances interpenetrate each other in nature and may interact with each other. They, through the polarity principle, form atoms and molecules and configurations of these. One can apply the metaphysical principle: "As above, so below; as below, so above", and realize that what we see in the physical may be used as a model and this same kind of modeling understanding may be extrapolated through the other levels of substance, differing somewhat in detail from the physical, and we may begin conceptually to grapple with these other levels. The substances interpenetrate, and their relationship may be visualized by considering the situation in our own bodies. To visualize our seven bodies, think of seven transparent sheets of paper and, on these sheets, using particular pens of different

colors, draw circuitry of one color on one and on another draw circuitry of another color, and so on through the seven colors. Then, put these sheets all together and look through them, and you will see an organization of substance at the various levels within the bodies of man. That, basically, is the model I wish to project.”

“In general, these substances do not interact with each other too strongly. However, they can be brought into interaction with each other through the agency of mind, and it is really at the point of mind that one can bring about changes in the organization of structure in these various levels of substance. That is, through mind forces, one can create a pattern, and that pattern then acts as a force field which applies to the next level of substance. In turn, that force field is a force for organizing the atoms and molecules into configurations at that level of substance. That pattern of substance at the etheric level, then, is in a particular state of organization and it has its own radiation field --its own force field if you like -and that force field, then, is a field for the organization of matter at the next level of substance -- the physical level of substance. These etheric forces, then, bring about the coalescence and organization of matter at the physical level of substance.”

“Here, we see something that I have chosen to call the "ratchet" effect; one can see an action beginning at the mind level and working its way down through to produce an effect on the physical level (and vice versa).”

“... In my model, God created the universe, and He created it as a hologram...! The first hologram beyond the Divine was a hologram of spirit substance which organized itself and the organization, at that level, had coherent radiation centers which radiated a pattern which was a hologram at the spirit-mind level. Then the substance organization at this level occurred which, in turn, contained coherent radiation sources which led to the radiation patterns for organization of the intellectual mind. That, in turn, led to organization and coherent radiation to form a hologram for the organization of instinctive mind, and so on down the line. I think we saw the first and simplest representation of this with the cut leaf experiment. That is why I think it is so important to see, in fact, some evidence of the hologram penetrating to the physical level from the etheric level. (Note: this experimental result has not yet been reproduced in this country.)”

“Now, there are several things that are important to note about a hologram. One is that if you take any piece of the hologram, you may recreate the entire hologram, and it is through this that we can understand what was meant when Cayce said: "Man within man is all representation of the universe. Within a cell of man is a representation of the entire universe--within an atom is a representation." If, in fact, the hologram model of the universe is correct, then this is exactly what we should expect. A second thing that is important to note about this hologram, if this is the way creation took place, is that the Divine pattern produced initially created patterns at the mind level of Nature for the development of man in a harmonious way. This results from the coherence in the energy pattern. However, man has free will and, if with that free will, he polarizes from an ego-mind aspect, he creates mental patterns, which are not consistent with those initially set, and they do not reinforce them. This, then, produces an anomaly or disharmony in the initial pattern and that disharmony in the initial mind pattern affects both the individual and mankind in general so that disease really would start here. That is, the thoughts that one creates within himself and within society at large generated patterns at the mind level of Nature. Those patterns are superimposed upon the existing Divine pattern. They then produce cause and effect relationships all the way down through the various levels of substance, and so we see that our illness, in fact, eventually becomes manifest from the altered mind patterns through the ratchet effect - first to

effects at the etheric level and then, ultimately, at the physical level. Here, then, we see it openly as disease at the physical level and, if we begin to sense the etheric level, we will see it also as disease at that level. So what is the way to cure it? Even though we bring about medical changes at the physical level, we do little at these deeper levels so that the disease will eventually recur. We would be a better doctor if we could produce correction at the etheric level because then the cure would last longer. However, it will not be permanent because we have not altered the basic hologram at the mind and spiritual level. We have to change at the mind and spirit levels to change the mental patterns so that we can produce, if you like, an annihilation of disharmonious elements at this level of the hologram. Then, Nature will just go forward in its harmonious way and man will not create and manifest disease.”

“Let us consider the physical and etheric levels just for a moment before I switch to my next topic. Think of these, if you like, as a type of transformer association with the etheric as the primary, and the physical as the secondary. The primary circuit always contains the greater quantity of energy, and secondary circuit manifests a stepped-down condition, so that there is less energy generally. In the physical energy circuit, we see the acupuncture meridians. There is, I anticipate, an analogous circuitry at the etheric level of the system. I am not quite sure of its pattern yet, but anticipate that there is an inductive coupling between these two companion circuits. Perhaps the one aspect of this relationship that we know most about is that in the physical body we see the endocrine glands as being the important spiritual centers (energy centers) of the body, and have come to learn how strongly their functioning relates to the whole chemical and physiological functioning of the body. At the etheric level we have heard for such a long time about the chakras. The chakras and the endocrines appear to be at the same spatial location within the body, and my feeling is that they act as coupled or companion glands; i.e., as chakra-endocrine pairs, and we should begin to think of them as a type of transformer or transducer, if you like.”

“... I propose that the manifesting of psycho-energetic phenomena is associated with taking the primary energies in the body and making them coherent. In my modeling, I suspect that if we took all the energy in a single human body and made it coherent, there would be at least enough energy to create our entire universe at the physical level. You see, the basic energy is already there; it is just that it is in an incoherent form, and our job is to make it coherent. This we do by developing attunement with Nature through our meditation, our thoughts, and our actions. That is when these powers become manifested, and they are manifested through these various mechanisms. Some people seem to have a head start via the structure of their genes, but others can catch up and surpass by muscle building at these internal levels of self.”

13.5.2.3. “A WHITE PAPER ON THE LAW OF CAUSE AND EFFECT”

(no date but about 2000. Quoted in its entirety with added figures from other papers for illustration. Available at <http://tillerfoundation.com/tiller6.html>)

“My [WAT] working hypothesis is that we are all spirits having a physical experience as we ride ‘the river of life’ together.”

“Our spiritual parents dressed us in our biobodysuits and put us in this playpen, which we call a universe, in order to grow in coherence, in order to develop our gifts of intentionality and in order to ultimately become what we were meant to become -- effective co-creators with our spiritual parents.”

“These biobodysuits come in a wide variety of colors and two unique morphologies, that we choose to

call genders. Each biobodysuit has four main layers [see Figure below]:

- (1) the outer layer is the electric monopole substance layer [physical direct, D space, 4 dimensions],
- (2) the first inner layer is the magnetic monopole substance layer [conjugate physical, R space, 4 dimensions. These two D + R add to 8 dimensions],
- (3) the second inner layer is the emotion domain [9th dimension] substance layer and
- (4) the third inner layer is the mind [mental] domain [10th dimension] substance layer -- and inside that is a portion of our spirit self [11th dimension] that drives the vehicle. So think of this multilayered suit as a kind of 'diving bell' or apparatus that our spirit self uses to sense and experience this peculiar earth environment."

"All of these inner layer substances function in what we presently call 'the vacuum' and, the more structurally refined are these layers, the larger is the amount of our high spirit self that can inhabit the biobodysuit. What are known as the four fundamental forces of present-day science (gravity, electromagnetism, short range and long range nuclear forces) all function in the outermost layer and somewhat in the first inner layer of the biobodysuit. What are presently called 'subtle energies' all function in the three layers of the vacuum."

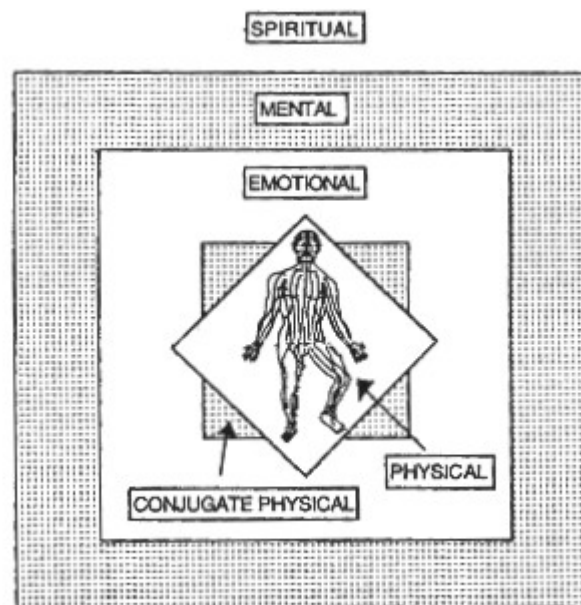


Figure 13.5. Visualization of the multi dimensional biobodysuit: the dual four-space frames (Direct physical or D. space and conjugate physical or R space) are imbedded in a nine-space (emotion frame) which is imbedded in a ten-space (mind frame). This is all embedded in the eleven-space of spirit.

"In terms of some of the characteristics of these suits, it is well known that, at least at the moment, our eyes detect only a very small fraction of the total electromagnetic spectrum and our ears detect only a very small fraction of the total available sound spectrum. Thus, it is perhaps not so surprising when I suggest that we generally detect only one band in the total spectrum of reality!"

"For most of us, we are presently only cognitively aware of the outer layer of our biobodysuits and the outer layer of the world that surrounds us. However, some individuals are, today, cognitively aware of

these unseen bands in the spectrum of reality. ^(1,2) This means that such a capability is a natural part of the multidimensional human genome and that all of us have the latent capability for achieving these expanded levels of cognition. This generally occurs via intentional and diligent practice of self-management techniques. We are all familiar with such processes at the outer layer of the biobodysuit level for gaining various athletic, artistic or strength co-ordinations. Now, we want to extend such efforts to the emotional and mental levels as well -- to build new infrastructures at the inner levels of our biobodysuits.”

“At least three or more inner self-management techniques at emotional and mental levels are readily available to us:”

“(1) Yoga -- The oldest and best known. It focuses on the brain in order to still the mind and then make significant contact with our larger self.”

“(2) QiGong -- The next oldest, and the basis for all the martial arts. It focuses on the Dan Tien point just below the belly-button in order to still the mind and then make contact with our larger self.”

“(3) HeartMath -- The newest, which focuses on the heart in order to still the mind and then make significant contact with the larger self.”

“There are a variety of other procedures, Sufism being one.”

“In almost all cases, sufficient diligent practice leads to various levels of adeptship and this naturally manifests as what we presently call ‘super-physical’ abilities. I prefer to call it actualizing our latent abilities^(1,2) which involves becoming more coherent and therefore more conscious.”

“To me, consciousness is a concomitant by product of spirit entering dense matter. If only a little can enter because insufficient structural organization exists in the dense matter, then the individual consciousness will be low. This means that the individual's awareness will also be low and very little flexibility will exist in the course of action to be taken in response to a stimulus or event that occurs in the environment. However, by the diligent application of personal effort, one can increase the structural refinement in their biobodysuit so that it exhibits a greater capability. Thus, more of our high spirit self can enter the body and the individual exhibits a higher level of consciousness. This manifests, in part, as greater personal awareness, the recognition of new possibilities, more flexibility, more adaptability, a greater ability to just love and not judge another human, the recognition that only win-win situations are enduringly stable, the recognition of others as part of our larger self, etc.”

“This continual ‘bootstrap’ self-help process is the way we grow. And we have grown quite a bit since we first invested a part of our spirit-selves in the biobodysuits of the mammalian ape. However, we still have a very long way to grow before we reach home!”

“What we see here is that ‘we are the product of the process and we are built by the process!’ By directed intention, we engage in activities outside of ourselves and, by the quality of our actions there, have the possibility of building a better biobodysuit (a major experience in spirit creation) and developing a higher consciousness -- both of which greatly enrich the human family!”

“At the outer layer of our biobodysuits, our neural systems function only on the basis of contrast or differences. Thus, our sensory systems in this layer detect only the differences between things and this is why we appear to be separate from each other. At the level of the first inner layer of the biobodysuit, a special kind of ‘mirror-type’ relationship exists and the coordinates for experience are not distance and time but are the reciprocals of these ($1/\text{distance} = \text{number per unit distance} = \text{frequency}$ and $1/\text{time} = \text{number per unit time} = \text{frequency}$). Thus, this coarsest level of the vacuum is a frequency domain (spatial and temporal) and, there, there is no separation between us. There, we form a unity, and the events that occur in that presently unseen domain are the precursors to all the events that materialize at the space-time level. If you like, it is the pre-physical reality where we collectively create our future at the space-time level.”

“At present, we don't cognitively access the vacuum domains in the reality spectrum for a variety of reasons. Three of these are:”

“(1) We are seldom quiet enough at the outermost layer level in order to reliably sense the information signals present at the more subtle levels -- they are buried down in the noise.”

“(2) We have not yet developed a sufficiently coherent structural organization at these inner levels to allow large amplitude signals to exist and be sustained in the vacuum domains and”

“(3) Perhaps most important of all is that our mindsets are such that we believe the four dimensions of space-time are all that exists and, therefore, we have built a cognitive jail for ourselves with walls so high and thick that it is almost impossible to tunnel through them and break free of this confining mindset!”

“Now, let me address some of the key points in this biobodysuit metaphor:”

“(a) The Vacuum:

Most of the general public hold the idea that the vacuum is not only the absence of physical matter but is also devoid of anything! However, for quantum mechanics and relativity theory to be internally self-consistent, the vacuum is required to contain an amazingly large inherent energy density ($\sim 10^{94}$ gms/cc). This vacuum energy density is so large that the intrinsic total energy contained within the volume of a single hydrogen atom ($\sim 10^{-24}$ cm³) is more than one trillion times larger than that contained in all the physical mass (mean mass density $\sim 5 \times 10^{-28}$ gms/cm³) of all the planets plus all the stars in the entire known cosmos out to a radius of 20 billion light-years. This makes the energy stored in physical matter an insignificant whisper compared to that stored in the vacuum. Uncovering the secrets of the vacuum is obviously a very important part of humankind's future.”

“(b) Coherence:

To illustrate this principle, let us consider the case of a typical home-use 60 watt light bulb (~ 1 watt/cm³). It provides some illumination but not a lot of illumination. This is primarily because the emitted photons destructively interfere with each other so that most of the bulb's potential effectiveness is destroyed. However, if we could somehow take the same number of photons emitted by the light

bulb per second and orchestrate their emission to be in phase with each other, then we would have constructive interference between these photons (a laser) and now the energy density of the surface of the light bulb would be thousands to millions of times larger than that emitted by the surface of the sun (~6000 watts/cm²). This illustrates the unutilized potential in the present light bulb. Perhaps the best example of the development of coherent energy emissions from humans comes from studies of QiGong masters. ⁽¹⁾ They appear to emit beams of infra red radiation (~1 to 4.5 microns) from their palms that have healing benefits.”

“(c) Mindsets:

One of the most striking experiments concerning the power of one's mindset was carried out in the mid-1930's by a psychologist named Slater who designed what might be called ‘upside down’ glasses. ⁽¹⁾ Subjects were asked to continually wear these glasses that distorted one's perception so that the wearer saw everything in an upside down configuration. It was very destabilizing for the wearer but after about two to three weeks (depending on the wearer), there was a sudden ‘flip’ and they saw everything right side up. Then, if the subject permanently removed the glasses, the world was abruptly upside down again for about two to three weeks before the images returned to a normal perspective. Here, we see that the original mindset was so strong concerning the upright orientation of familiar objects that, when the special glasses inverted this orientation, a force developed in the brain to seemingly cause neural dendrites to grow into a configuration that essentially created an inversion mirror in the optical information path. Once this neural structure was "hardwired", it took the old mindset several weeks to deconstruct the special signal inversion network. We now call this ‘neural learning’ and we humans do it all the time. It is how we build additional infrastructure into the various layers of our biobodysuits!”

“(d) The Cause/Effect Process:

Via specific intentions, the in-the-biobodysuit aspect of our spirit self produces actions in the infrastructures of the various layers and these ultimately manifest as events in space-time. Specifically, the intention from the domain of spirit imprints an initial pattern on the mind domain (the innermost layer). The detailed intra-layer connections⁽¹⁾ transfer the imprint in a correlated pattern to both the magnetic monopole layer (second layer) and to the emotion domain layer (third layer) where it activates an important coupling substance, called deltrons, in this layer. The deltrons allow coupling between the magnetic monopole substance of the second layer and the electric monopole substance of the first layer (outermost layer). This coupling agent acts much like the ‘toner’ needed in a standard copy machine to produce a clear and legible copy. ⁽¹⁾ When the original intention imprint reaches the outermost layer of the biobodysuit, it activates the built-in mechanisms for action in the surrounding domain -- physical reality.”

“It is via this process that we collectively and continuously create our future in space-time. Our individual responses to the events we perceive in space-time are in the form of thoughts, attitudes and physical actions (and probably reciprocal space actions). This is feedback to the mind and emotion domains which make incremental changes to the patterns that generated the initial events in space-time. The superposition of all the responses to the initial events from all of humankind leads to the new pattern at the mind level that generates a new set of events in space-time. ⁽¹⁾ Iteration of this incremental step, which can be considered as a single frame in the "movie" called the ‘River of Life,’ is how we collectively create our cognitive reality and how our spirits learn the pros and cons of applied intentionality.” [see Figure below]

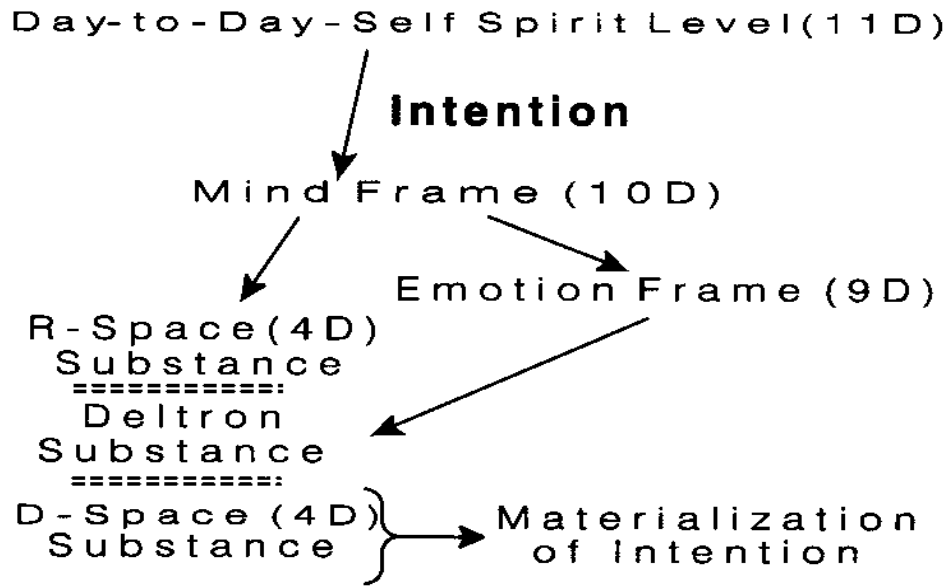


Figure 13.6. Illustration of one possible process path whereby spirit produces action in the physical domain

“(e) Some Experimental Evidence:

Our experimental studies, carried out between January, 1997 and January, 2000, deal with IIEDs⁽¹⁾ (Intention Imprinted Electrical Devices). We start with two physically identical, simple electronic devices housed in plastic cases about 7" x 3" x 1" in size (3 oscillators in the 1-10 megahertz range with output power of less than 1 microwatt at about 3" from the device). We take one of these devices, wrap it in aluminum foil and place it in an electrically-grounded Faraday Cage (FC). This is our control device. The other device is imprinted with a specific intention for a particular target experiment and then also wrapped in aluminum foil and placed in it's own FC until the next stage in the process. The FC's and aluminum foil are needed to keep information transfer from occurring between the IIED and the unimprinted control device. The next stage in the process was to ship the wrapped devices on separate days via Fed Ex 2000 miles to a laboratory where others place them in individual FC's until they are used in specific target experiments. The typical way in which the devices are used in an experiment is to place one or the other about 6" from the active center of the experiment and just turn it on for the duration of the experiment. We have found that the experimental results with the specific IIED change robustly according to the imbedded intention as compared to use of the control device.”

“The actual imprinting is carried out by four accomplished meditators who exhibit a high level of inner self-management at mental and emotional levels. On entering a deep meditative state, they mentally cleanse the area surrounding the device to create a "sacred space" and, when accomplished satisfactorily, they first state and then mentally hold the specific intention for about 10-15 minutes. Then they release the intention and mentally seal the device before returning to their normal state of consciousness.”

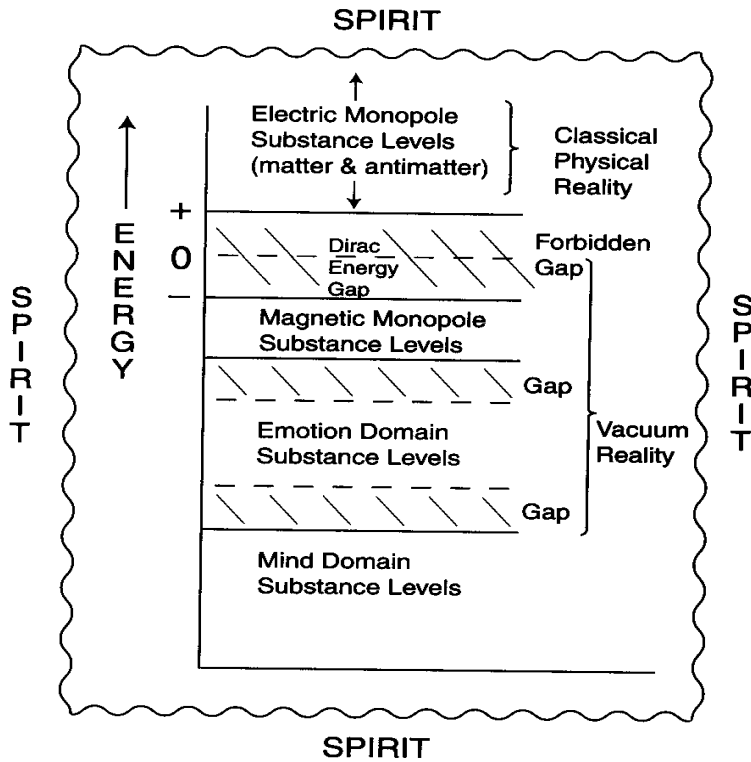


Figure 13.7. An energy level diagram embracing both classical physical and “unseen” vacuum substances (from Tiller, Dibble and Kohane 2001, Conscious Acts of Creation: The Emergence of a New Physics, p 315

“Four target experiments have been carried out to date:”

“(1) The intention was to increase or decrease (a separate device) the pH of purified water by one full pH-unit. This is a change in hydrogen ion concentration by a factor of ten. We have been completely successful in achieving these goals with a pH-measurement accuracy of ± 0.01 pH-units. Thus, here, we are not searching for a weak signal down amongst the noise because our results are about 100 times the measurement accuracy -- a very robust result indeed!⁽³⁾”

“(2) The intention was to increase the [ATP]/[ADP] ratio in developing fruit fly larvae so that they would be more fit and thus have a significantly reduced larval development time, $T_{1/2}$, to the adult fly stage. Experimentally, we found that both the [ATP]/[ADP] ratio and $T_{1/2}$ changed significantly (about 10%-20%) when the IIED was used compared to the control. All of this yielded excellent statistics with $p < 0.001$.^(4,5)”

“(3) The intention was to increase the in vitro thermodynamic activity of the liver enzyme, alkaline phosphatase (ALP) by a significant amount. This was achieved with an increase of about 20% for the IIED compared to the control device and, once again, the statistics were excellent ($p < 0.001$).⁽⁶⁾”

“(4) The intention was to condition some significant volume of local, physical space around the activated IIED so that a significantly stronger coupling occurs between the electric monopole layer of nature [physical direct, D space] and the magnetic monopole layer of nature [conjugate physical, R

space]. We have found that the effect of DC magnetic field polarity (North Pole vs. South Pole) is zero in an unconditioned, normal space (as is should be from conventional physics) but it can be quite large in a conditioned space. Thus, the infrastructure of the vacuum has been altered to reveal a higher level of symmetry existing in what was, heretofore, the ‘unseen’ domains of nature (new physics).”

“These are all very remarkable results which are certain to confound our physics, biology and medical colleagues. However, the experimental data speaks for itself in spite of the entrenched belief systems held by others.”

“In closing this white paper I [WAT] wish to add that, the more I work with these concepts and experiments, the more I come to feel that there is only one reality being constantly expressed by nature but that we have limited access to it. Our access is limited by our level of cognitive development and this, in turn, is limited by the quality of our focused intentions to develop more infrastructure in the various layers of our biobodysuits.”

13.5.2.4. SUMMARY OF THE RESULTS OF WILLIAM TILLER’S SCIENCE ADVENTURES WITH REAL MAGIC RESEARCH PROGRAM

Other papers are available at: <http://tillerfoundation.com>

Taken from Tiller, William A, Walter E. Dibble Jr., and J. Gregory Fandel (2005) Some Science Adventures with Real Magic, Pavior Publishing

13.5.2.4.1. Glossary of Technical Terms and Abbreviations

Deltrons = a postulated coupling substance from the domain of emotion (outside of physical reality) which has the quality of being able to travel at velocities both above and below the speed of light and to interact with substances from both levels of physical reality [D + R space]. The means by which human intention can influence physical (D) space.

Deltron coupling coefficient, γ = the measure of magnitude of deltron activation which determines the degree of D-space object/substance interaction with R-space object/substance. With an increase in the coefficient, the degree of connectivity between any two D-space objects increases regardless of distance.

D space = Direct (D) physical space with 4 dimensions, space-time. This is the typical universe as postulated by mainstream science],

R space = the magnetic monopole substance layer, conjugate Reciprocal (R) physical inverse space-time, 4 dimensions.

Biconformal/duplex Reference Frame (D+R space) = a proposed new view to allow a more internally self-consistent description of nature that includes all conventional science phenomena plus the main aspects of all psychoenergetic phenomena.

EM = ElectroMagnetic

EM gage symmetry state = the inner symmetry condition of a space relative to its electromagnetic nature.

Gage Theory = the synthesis of quantum mechanics and symmetry where gauge invariance is the physical principle governing the fundamental forces between all elementary particles. Invariance indicates something that does not change under a set of transformations.

IIED = Intention Imprinted Electrical Device. The effective host for a specific intention. It can be transported from its original imprinting location and, when turned on in that distant space, lifts

the EM gauge symmetry state of that space and tunes the space so as to experimentally manifest the specific intention.

Ψ_{H+} = the new discovery of the magneto-electro-chemical potential energy for a proton, the energy change associated with increasing the EM gauge symmetry (inner symmetry) state of a space above the usual U(1) gauge symmetry level.

U(1) gauge symmetry space = our usual EM gauge symmetry space-time universe. Magnetic monopoles are not detectable. Typically, in our usual universe, magnets are dipole.

U(2) gauge symmetry space = higher EM gauge symmetry (inner symmetry) with a higher thermodynamic free energy per unit volume. Magnetic monopoles (Direct Current magnetic field polarity) are detectable. Both electric charges (+ and -) and single magnetic monopoles (N and S) naturally coexist.

$p < 0.001$ = the probability of an observation occurring by chance is less than 1 in 1000.

Δ = the difference (Δ) in measurement of some quantity.

13.5.2.4.2. Summary of General Theoretical Assumptions and Conclusions (p. 137)

1. [William A. Tiller's] working hypothesis is that we are all spirits having a physical experience as we ride "the river of life" together. Our spiritual parents dressed us in our *biobodysuits* and put us in this playpen, which we call a universe, in order to grow in coherence, in order to develop our gifts of intentionality and in order to ultimately become what we were meant to become -- effective co-creators with our spiritual parents. Each biobodysuit has four main layers:
 - a. the outer layer is the electric monopole substance layer [physical direct, D space, 4 dimensions, space plus time. This is the typical universe as postulated by mainstream science],
 - b. the first inner layer is the magnetic monopole substance layer [conjugate reciprocal physical, R space, 4 dimensions. These two D + R add up to 8 dimensions of Tiller's model of the total physical universe],
 - c. the second inner layer is the emotion domain [9th dimension] substance layer and
 - d. the third inner layer is the mind [mental] domain [10th dimension] substance layer -- and inside that is a portion of our spirit self [11th dimension] that drives the vehicle. So think of this multilayered suit as a kind of "diving bell" or apparatus that our spirit self uses to sense and experience this peculiar earth environment. [taken from Tiller, William A. (undated, maybe 2000) "A White Paper on the Law of Cause and Effect," available at <http://tillerfoundation.com/tiller6.html>
2. There are two important levels of physical reality, (1) the conventional atom, molecule and EM (Electro Magnetic) photon level where everything travels at velocities (v) at or less than the speed of EM light (c) ($v \leq c$) in the physical vacuum [characteristic of physical direct, D space with 4 dimensions, space plus time] and (2) the information wave level in the physical vacuum where everything travels at more than the speed of light ($v > c$). [conjugate reciprocal physical, R space with 4 dimensions].
3. A postulated coupling substance, called **deltrons** from the domain of emotion (outside of physical reality), exists and has the quality of being able to travel at velocities both above and below the speed of light and to interact with substances from both levels of physical reality. [D + R space]
4. Deltrons also embody intelligence so that all aspects of human consciousness can interact with deltrons and thus modulate the **coupling coefficient**, γ , between the two categories of physical substance. [D + R space]
5. A reciprocal mirror principle for various qualities operates between these two, deltron-coupled levels of physical reality so that a quality of one level times the quality of the other level form a unity

in the proposed duplex [D + R space] Reference Frame used to describe nature's behavior in totality, thus including all known phenomena.

6. The human acupuncture meridian/chakra system is an intention modulated system in the human body with coupling greater than zero ($\gamma > 0$) so that (1) strong coupling can develop between the two body-levels of physical reality [D and R space], (2) such intention-directed coupling can enhance human performance and behavior by many orders of magnitude relative to current levels and (3) humans matter; they can dramatically and beneficially evolve themselves to significantly higher states of being.

13.5.2.4.3. Key Findings for Conditioned Space Experimental Data (p. 93)

Tiller et. al. have been able to raise the thermodynamic free energy per unit volume of space so that they retain influences introduced by their IIED (Intention Imprinted Electrical Device). That is, once the intention is imprinted by humans into the device, the device, when left in a physical space, will in turn, imprint the space at a higher EM gauge symmetry level (thermodynamic free energy per unit volume) after the device is removed.

1. For humans, and perhaps all vertebrates, bioelectromagnetism is quite different than Maxwellian electromagnetism because the human acupuncture meridian system is observed to be at a higher EM gauge symmetry level where magnetic monopole charge is experimentally accessible.
2. A laboratory space and equipment, raised to a higher EM gauge symmetry state wherein magnetic monopole currents are experimentally accessible, is found to be a very sensitive detector of subtle energy emissions by humans (subtle energies are defined as all those beyond the energy aspects of the accepted four fundamental forces in D space).
3. Large bursts of subtle energy emissions during healing steps in humans located in a "conditioned" laboratory act analogously to earthquakes with reverberating aftershocks for a long time. Thus, the detailed character of the laboratory's energy signature is significantly altered for a long time (greater than three months).

13.5.2.4.4. Summary of Key Experimental Findings from Science and Human Transformation (P. 139)

1. A highly developed human biofield [spiritually advanced person] can alter the properties of materials and the functioning of devices so as to reveal deeper levels of nature not anticipated from our normal every-day observations. The radiations from such levels of nature pass through materials that are optically opaque to EM radiations in the visible range.
2. Non-EM emissions from the biofields of normal humans, when modulated by their attention and directed intention, can enhance or not enhance electron microavalanches in a simple gas discharge device depending upon the actual focus of the human's intention.
3. Some humans emit bursts of subtle energy from various body chakras and, via a subtle energy/electrical energy conversion process involving the acupuncture meridian system, large voltage pulses appear both on the body and at sites remote to the body.
4. When focusing on the heart with loving intent, the human EKG (Electro Cardio Gram) becomes harmonic at the baroreflex frequency of 0.14 hertz, where the heart entrains the brain and simultaneously all the other major electrophysiological systems of the body. (baroreflex is the system in the body that regulates blood pressure) [see section A.2] In this heart entrainment mode of functioning, body chemical production becomes healthier and focused intent can psychokinetically influence molecular structures both inside and outside of the body.

5. Most young children perceive both EM and subtle energies. Lens and prism experiments indicate that the latter travel at velocities greater than the EM light velocity ($v > c$), and speed up on entering denser matter.
6. Dowsing is a natural human body response mechanism, for those who give it meaning, wherein the unconscious communicates valuable information to the conscious via involuntary small muscle movements or the creation of localized heat patterns.

13.5.2.4.5. Summary of Key Experimental Findings from Conscious Acts of Creation
(pp. 140-141)

1. Human consciousness in the form of a specific intention, can be imprinted into a simple, low tech, electronic device from a deep meditative state by highly inner self managed humans. Such a device, now called an IIED (Intention Imprinted Electrical Device), can act as an effective surrogate to robustly influence a unique target experiment in physical reality.
2. The four unique target experiments studied involved (a) an inorganic material (water) with property changes 100 times larger than measurement accuracy, (b) an organic, in vitro material [the liver enzyme ALP, alkaline phosphatase] with property changes of $\sim 20\%$ at $p < 0.001$ and (c) a living, in vivo material [ATP – adenosine triphosphate -- ADP -- adenosine diphosphate ratio in cells of developing fruit fly larvae] with property changes of $\sim 20\%$ at $p < 0.001$, both of the latter having a built in control.
3. A unique intelligence was present in an IIED after imprinting so that the measured material property changes where (a) always in the direction of the IIED's intention imprint and (b) always specific to the particular IIED utilized.
4. An unshielded IIED in the electrically "off" state and physically separated by ~ 100 meters from a UED [Un-imprinted Electronic Device] in the electrically "off" state still has a communication channel available to it for transferring the imprint statement to the UED within a week. Thus, the carrier for such information exchange is not conventional electromagnetism.
5. This new field, although not EM, can be dissipated through EM leakage pathways. Thus, wrapping an IIED in aluminium foil and storing it in an electrically grounded Faraday cage, prolongs its lifetime of effective use (~ 3 months before reimprinting is required).
6. Placing a specific IIED in a room and turning it on "conditions" the room to a state wherein the experimental targets of Item 2 above, naturally manifests. Without the presence of this "conditioned" state in the room housing the target experiment equipment, these material property changes do not occur.
7. One characteristic of a "conditioned" space is that a DC magnetic field polarity effect on the pH of water occurs. Such an effect is thought to require the accessing of magnetic monopoles, a property usually associated with a state of higher EM gauge symmetry (inner symmetry) than our normal, everyday reality. Such a state of higher EM gauge symmetry (inner symmetry) is also a higher thermodynamic free energy per unit volume.
8. Another characteristic of a "conditioned" space is the spontaneous appearance of material property oscillations of very large amplitude (air and water temperature, pH, electrical conductivity of water, etc.) that are (a) global throughout the room (b) all exhibit the same Fourier spectral components and (c) all are in the frequency range $\sim 1.0^{-2}$ to 10^{-3} hertz.
9. A third important characteristic of a "conditioned" space is that it is sensitive to the presence of an active IIED at separation distances of at least -150 feet. Oscillations generated in the locale of the IIED spontaneously appear (with a high correlation coefficient) in a "conditioned" space but not in an unconditioned space.

10. If the degree of "conditioning" in a space is low and the IIED is removed from the space, the "conditioning" decays slowly with a time constant of ~ 1 month. If the degree of "conditioning" in a space is sufficiently high, the IIED can be completely removed from the space and stored properly and the level of "conditioning" in the room does not appear to change (at least for 1-2 years).
11. The cause of the air temperature oscillations in a "conditioned" space near an apparent source is not dependent upon movements of the air molecules in the space but rather thought to depend on changes at the vacuum level of physical reality.
12. Removal of the apparent air temperature oscillation source revealed that this vacuum level "phantom" source had a very slow relaxation time (~ 1 -2 months) back to zero amplitude.
13. While in the phantom temperature oscillation source mode of reality, abrupt changes in the orientation of a large natural quartz crystal placed in the initial source region showed abrupt changes in overall oscillation wave shape, wave amplitude and wave frequency. Thus, a quartz appears to be a type of "tuner" for this vacuum source behavior.
14. In a "conditioned" space, spontaneous and abrupt shifts in computer monitoring behavior of a random number generator (RNG) occurred from time to time for no known reason
15. Experimenter effect, specific materials effects and specific device effects appeared, on the short term, to alter the "tuning" of the oscillations in a conditioned space.

13.5.2.4.6. Summary of Key Experimental Findings from the "Remote Sites Experiment"
(pp. 141-142)

1. The original Minnesota water pH [acid-base level] results have been substantially replicated by others.
2. At all remote IIED-sites, the digitally recorded pH for purified water in equilibrium with air increased exponentially with time with the change in pH (ΔpH) increasing cycle by cycle of water- change until it reached 1.0 pH units.
3. At all control sites, non-IIED sites, the same type of pH-behavior was observed via an information entanglement process except that (1) for below-ground sites, ΔpH achieved ~ 1.7 pH units and (2) for well above-ground sites, the change in pH (ΔpH) achieved ~ 0.8 pH units.
4. This information entanglement process between IIED and non-IIED, control sites of the overall experimental system occurred over distances from ~ 2 miles to ~ 6000 miles. The carrier wave for this information transfer could not have been electromagnetic.
5. A litmus paper pH-detector only responded to the purely chemical level of the Hydrogen ion (H^+) content present in the water while digital pH-detectors responded to both this level plus an information level associated with the Hydrogen ion (H^+) content.
6. All sites, both IIED and non-IIED, exhibited substantial values of the magneto-electro-chemical potential energy for the proton, (Ψ_{H^+}) after a short time, indicating a raised thermodynamic free energy per unit volume for all sites.
7. The time required to reach the change in pH (ΔpH) ~ 1.0 pH units appears to be less for below-ground control sites than for above-ground control sites and also appears to be relatively independent of distance.
8. Strong experimenter and equipment potentization effects were noted.
9. The optimum reimplanting time for an IIED presently appears to be ~ 3 months.
10. Mu-metal screening does not shield water from this new information entanglement field. *Mu-metal is a nickel-iron-molybdenum alloy used for shielding to protect things from stray magnetic*

fields.

References

1. Tiller, W. A. (1997) Science and Human Transformation: Subtle Energies, Intentionality and Consciousness, Pavior Publishing, Walnut Creek, CA.
 2. Radin, D. I. (1997) The Conscious Universe: The Scientific Truth of Psychic Phenomena, Harper Edge, San Francisco
 3. Dibble, Jr. W. E. and W. A. Tiller (1999) "Electronic Device-Mediated pH Changes in Water", Journal of Scientific Exploration, v. 13, #2, 155-176
 4. Kohane, M. J. and W. A. Tiller (2000) "Energy, Fitness and Electromagnetic Fields in Drosophila Melanogaster", Journal of Scientific Exploration, v. 14, #2, 217-279
 5. Tiller, W. A., W. E. Dibble, Jr. and M. J. Kohane (1999) "Towards Objectifying Intention Via Electronic Devices", Subtle Energies and Energy Medicine, v. 8, #2, 103-123
 6. Kohane, M. J. and W. A. Tiller, "On Intention-Induced Increase of In Vitro Enzyme Thermodynamic Activity", To Be Published.
- *****
- Tiller, W. A. web page: <http://tillerfoundation.com>
- Tiller, W. A. (1975) "Energy fields and the human body, Part II," available at <http://tillerfoundation.com/energyfields.html>
- Tiller, W. A. (1982) "Explanation of electrodermal diagnostic and treatment instruments: Part I. Electrical behavior of human skin," Journal of Holistic Medicine, v. 4, 105-127
- Tiller, W. A. (1987) "Foreword to Gerber's Vibrational Medicine, (1988) " Bear and Co.
- Tiller, W. A. (1993) "What are subtle energies?," Journal of Scientific Exploration, v 7,#3, 293-304
Abstract available at www.scientificexploration.org/jse/abstracts/v7n3a5.php
- Tiller, W. A. (1995) "Subtle energies in energy medicine," Frontier Perspectives, Spring, v. 4, no. 2, 17-21
- Tiller, W.A., (1997) Science and Human Transformation: Subtle Energies, Intentionality and Consciousness, Pavior Publishing, Walnut Creek, CA
- Tiller, W. A. "Dr. William Tiller's 'Simulator' hypothesis" " extract from chapter 2. available at <http://tillerfoundation.com/science.html>
- Tiller, W.A. (1998, actual 2000) "Homeopathy and allopathy as dual expressions of nature Part 1: Some speculative initial thoughts," Subtle Energies and Energy Medicine, v. 9, #2, 151-169
- Tiller, W. A. (1999a) "Toward a predictive mode of subtle domain connections to the physical domain aspect of reality: The origins of wave-particle duality, electric-magnetic monopoles and the mirror principle," Journal of Scientific Exploration, v 13, no. 1, 41-67 Available at www.scientificexploration.org/jse/articles/pdf/13.1_tiller.pdf
- Tiller, W. A. (1999b) "Subtle energies," Science and Medicine, May/June, v. 6, #3, available at: <http://tillerfoundation.com/subtle-energies.html>
- Tiller, W. A. (2000) "A white paper on the law of cause and effect," available at <http://tillerfoundation.com/tiller6.html>
- Tiller, W. A. (2002) "The real world of modern science, medicine and qigong," Bulletin of Science, Technology and Society, v. 22, #5, 352- Available at <http://tillerfoundation.com/TheRealWorldModSci.pdf>
- Tiller, W. A. (2003a) "Conscious acts of creation: The emergence of a new physics," The International Journal of Healing and Caring On-line, v. 3, #1 January. available at

- <http://tillerfoundation.com/ConActsCreation.pdf>
- Tiller, W. A. (2003b) "Towards a quantitative model of both local and non-local energetic/information healing," The International Journal of Healing and Caring On-line, v. 3, #2 May. available at <http://tillerfoundation.com/TowardsQuantMod.pdf>
- Tiller, W. A., W.E. Dibble, jr. "Towards general experimentation and discovery in 'conditioned' laboratory spaces, part III: a theoretical interpretation of non-local information entanglement," available at <http://tillerfoundation.com/PaysonTheoryIII.pdf>
- Tiller, W. A., W.E. Dibble, jr., M.J. Kohane (2001a) Conscious Acts of Creation: The Emergence of a New Physics, Pavior Publishing
- Tiller, W. A., W.E. Dibble, jr. (2001b) "New experimental evidence revealing an unexpected dimension to materials science and engineering," Materials Research Innovations, v. 5 #21, pp. 21-34 available at <http://tillerfoundation.com/MatResInnovpaper.pdf>
- Dibble, jr. W.E., W. A. Tiller, (2002) "Anomalous temperature oscillation behavior near a 'source' in a 'conditioned' space, Part I: The spatial variation," Journal of Scientific Exploration, available at <http://tillerfoundation.com/AnomalouspartI.pdf>
- Tiller, W. A., W.E. Dibble, jr. (2002) "Anomalous temperature oscillation behavior near a 'source' in a 'conditioned' space, Part II: A biconformal base-space theoretical interpretation," Journal of Scientific Exploration, available at <http://tillerfoundation.com/AnomalouspartII.pdf>
- Tiller, William A, Walter E. Dibble Jr., and J. Gregory Fandel (2005) Some Science Adventures with Real Magic, Pavior Publishing
- Tiller, W. A., W.E. Dibble, jr., M.J. Kohane (1997, actual publication 1999) "Towards objectifying intention via electronic devices," Subtle Energies and Energy Medicine, v. 8, #2, 103-123
- Tiller, W. A., W.E. Dibble, jr., M.J. Kohane (2000, actual publication 2002) "Exploring robust interactions between human intention and inanimate/animate systems," Subtle Energies and Energy Medicine, v. 11, #3, pp. 265-291
- Tiller, W. A., W.E. Dibble, jr., R.Nunley and C.N Shealy (2004) "Toward general experimentation and discovery in conditioned laboratory spaces: Part I: Experimental pH change findings at some remote sites," Journal of Alternative and Complementary Medicine, v. 10, #1, pp. 145-157
- Tiller, W.A., R. McCraty and M. Atkinson (1996) "Cardiac coherence: A new, noninvasive measure of autonomic nervous system order," Alternative Therapies in Health and Medicine, Jan., v. 2, # 1, 52-65, Available at www.heartmath.com/research