

Quote by William A. Tiller

Exploration of subtle energies functioning in Nature will lay the foundations for "Subjective Science" on an equal footing with our present "Objective Science." This subjective science will require a knowledge and stabilization of the mental and emotional fields of the participants as part of the overall experimental protocol.

Towards a Medicine of Subtle Energies

by

William A. Tiller

A. Introduction

We may liken conventional scientific understanding of the universe to the visible tip of an iceberg. We have come to know that exposed tip very well. However, most of Nature is still hidden from us and we know it not. History contains references to and speculation on many aspects of the hidden iceberg and very recent research suggests some fascinating possibilities.

(a) From experiments on telepathy, psychokinesis (PK), manual healers, etc.⁽¹⁾, we seem to be dealing with new energy fields completely different from those known to us via conventional science and upon which our present technological society is built.

(b) The universe organizes and radiates information in other dimensions than just the physical frame. From experiments on PK⁽¹⁾, radionics⁽²⁾, materialization-dematerialization⁽³⁾, etc., the cause-effect relationships seem to follow a different path or "field-line" than we have been used to dealing with in the conventional (positive) space-time frame of reference.

(c) At some level of the universe, we are all interconnected to each other and are connected to all things on this planet. We see this in the Soviet telepathy experiments with rabbits⁽¹⁾. We see this in the Baxter experiments with plants, eggs and cells⁽⁴⁾. In the cell experiments, he

takes some of his own blood cells and connects electrodes between a solution of these and a polygraph recording instrument. As he kills a separate batch of his cells, an electrical signal appears on the recording instrument. We also see this in the Soviet experiment wherein they put two uncorrelated beating hearts at the two foci of an elliptical mirror and found after 5 to 10 minutes that they were beating in perfect synchronization. Finally, we see it in the example of treating the earth as a spherical electromagnetic resonator wherein its calculated fundamental wavelength and its higher harmonics correspond to the alpha, beta, theta and delta rhythms of human brain waves.

(d) Time and space are not as immutable and confining as we have tended to think. Experiments on precognition⁽⁵⁾, materialization and dematerialization⁽³⁾, etc., point to this.

(e) From modern information theory⁽⁷⁾, it seems clear that we do not perceive reality but only gain some information about reality; we can never know reality using our presently developed sensory systems. Our sensory systems are stimulated and generate signals which travel to the brain for interpretation and they are interpreted by the brain in terms of whatever is in the picture book of that brain. In fact, the brain often does signal processing to squeeze the information so that it represents the closest facsimile available in the picture book. Thus, we, because of what is in our picture book, are creating our own version of reality. Emanuel Kant long ago said that time and space are merely our vehicles for perception and not reality itself. Slater's experiments on the "upside-down glasses"⁽⁶⁾ strongly support this view.

(f) Finally, from a feeling standpoint, it seems as if from somewhere in the Cosmos a rheostat has been turned up so that special new energies of a nonphysical nature are flooding into this sector of our Universe and that a biological imperative exists for mankind to take an evolutionary step⁽⁸⁾. This biological imperative brings in its vanguard the psychic age of man which has already begun!

We seem to be voyaging into a new world and we do not yet have reliable tools with which to cope with this new environment. We shall have to go forward very much on faith, trust and very hard work to both understand and bring about the major medical revolution that will occur in the next twenty to fifty years.

B. The Bottom Line

The author has written a number of articles⁽⁹⁻¹³⁾ laying out his rationalization for a new model of the universe upon which a new medicine may be based, so it does not seem necessary to go into much detail here. Instead, let us go directly to one of the major conclusions of the study; i.e., the "bottom Line." It is the following: We are elements of spirit, indestructible and eternal, (multiplexed in the Divine), and contain a mechanism of perception--the mind (consisting of three levels--instinctive, intellectual, spiritual). The mind, which is postulated to function in a 6-dimensional space lattice⁽¹³⁾ creates a vehicle for experience and we, the spiritual being plus mechanism, invest ourselves in that vehicle which runs a continuously programmed course. The "stuff" used for the construction of the vehicle (or simulator) is of two conjugate natures--(1) that which is electrical traveling at velocities less than electromagnetic light and is of

positive mass and energy, which forms the physical part, and (2) that which is magnetic traveling at velocities greater than electromagnetic light and thus is of negative mass and energy, which forms the etheric part. The total sum of these two energies is zero as is the sum of their entropies, so the total simulator (or vehicle) is created out of empty space via a fluctuation process and is just the world of appearances that we shape with our minds⁽¹²⁾.

The conclusions are that we live in a multidimensional universe and are ourselves multidimensional beings comprised of a non-temporal part and a temporal part, as illustrated in Fig. 1. The temporal portion, which is the simulator, is constructed from physical substance which functions in the positive space-time frame (+ve S-T) and etheric substance which functions in the negative space-time frame (-ve S-T). The being is interfaced with the simulator via the emotional circuitry of his system which is thought to be fabricated from astral substance functioning in a transitional frame. The being/simulator terminology is used because the soul/body usage has developed some cumbersome associations over the years.

To illustrate the multidimensional aspect with a simple molecule like benzene, one would state that the numina of benzene has been probed with all the physical sensors of our modern technology and they have revealed the phenomena of benzene; i.e., the physical facet of the total "iceberg" that is benzene. In the future, as our science learns to develop new categories of sensors, other facets of benzene will be revealed.

To illustrate the multidimensional aspects of the human species, it is perhaps beneficial to utilize the following reaction type of equation to

which tells us that if a nonuniform stress is applied to the bone by the body for an extended period, the bone will grow new trabeculae (a type of bone girder) in the exact locations to best support this nonuniform stress distribution. The process probably occurs by the physical strain field interacting with electrostatic fields of the system, via piezoelectric effects, which produce changes there and these changes cause ions and molecules to be transported to specific locations to such a degree that gelation and agglomeration occur into specific tissues and structures that comprise the trabeculae.

Carrying this idea further, mental stresses or aberrations can be thought to alter the curvature (or the detailed matrix) of negative space-time which cause both alterations in the curvature of positive space-time and in the magnetoelectric field patterns of etheric substance in the body. These, in turn, produce pattern correlations at the electromagnetic and other conventional energy levels in the physical body which then alter the chemical flows, etc., which lead to a concretization (or calcification) of the original mental stress at some physical locations of the body.

We must note that the removal of the body stress that created a certain pattern of trabeculae in a bone does not lead to the instantaneous dissolution of these trabeculae. Rather, they may disintegrate or dissolve very slowly (under the proper exercise) because of the molecular kinetics involved and they may maintain the body in a distorted shape for a very long time even though the initial physical cause is removed (rationale for Rolfing). The same situation is expected to occur for physical structures generated by emotional or mental stress patterns. Further, since these disharmonious patterns scatter energy from the main flow stream at the various levels

already discussed, the removal of the anchoring patterns at the two ends of the chain will release the intervening pattern links and more energy will be available for the organism's functioning.

The foregoing leads quite naturally to a perspective on healing; i.e., that pathology can develop at a number of levels and that healing is needed at all of them to restore the system to a state of harmony. The initial pathology begins at the level of Mind and propagates effects to both the negative space-time and the positive space-time levels. We then perceive what we call disease or malfunction at these levels and try to remove the effects by a variety of healing techniques. The best healing mode is to help the individual remove the pathology at the cause level and bring about the correction by a return to "right thinking." The next best healing mode is to effect repair of the structure at the negative space-time level. The next best level of healing is that which medicine practices today wherein they effect repair of the structure at the positive space-time level. Since the energy structures at these different levels are coupled, repair at a lower level will still produce some feedback modification of energy structure at a higher level. However, if harmony is not restored at the higher level, then a force will continue to exist for pathological development in the energy structure at a lower level. Of course, this force is basically like a thermodynamic potential to produce change so that the effects may be manifested or materialized in very different forms depending upon what alterations have already been made to the energy structures of the positive and negative space-time frames. The closest analogy to this can be found in the field of "phase equilibria" of materials. If you heat a complex alloy

containing a number of chemical constituents to a high temperature so that it melts, then by cooling it again you produce a thermodynamic driving force for a phase change; i.e., to one of several possible solid forms. By making very slight but specific modifications to the chemistry or cooling rate or other variables in the process, it is possible to change the type of solid phase that initially develops and the crystalline form that results.

When one is healing another, use is made of this extended energy structure of self to channel the needed frequency components of the needed energy at the particular dimensional level into the one to be healed. Since the particular pathology is represented by a particular energy pattern and all patterns are formed by the superposition of waves, then a pattern can be altered or completely eradicated by the input of the appropriate wave components at the appropriate intensity level. To do this effectively, a number of conditions need to be satisfied: (1) one must be able to generate or tap the needed wave components of the requisite type, (2) one must be able to tap these wave components from his extended energy structure at the specifically needed ratios of relative intensities, (3) one needs to tap the requisite correction energy pattern at a high overall intensity so that the healing needed is of short duration, (4) one needs to be sharply attuned to the one to be healed so that these energy components can be brought into his extended energy structure without scattering losses and (5) one needs to have the confidence of the one to be healed so that he doesn't mentally distort or undo the healer's efforts because of fears or doubts.

Returning to equation 1, we can anticipate that the future will bring new medical therapeutic devices designed to generate, restore and sustain

harmonious energy patterns at electromagnetic and other conventional energy levels. This will eventually be followed by families of devices for controlling the spectral flow of energy between the negative space-time frame and the positive and eventually by devices for amplifying energy transfer from the mind frame into these two simulator frames. Of course, no matter how sophisticated these devices will eventually be, it must be recognized that the patient has free will and thus can "screw up" the process by his or her own mental input if they so desire. This psychophysiological factor will eventually be taken fully into account as medicine realizes that when one enters the domain of subtle energy therapies, one moves into the domain of subjective science, where the mental and emotional states of the patient influence the process in lawful ways and thus are a necessary part of the protocol for achieving a given effect.

D. Pathways in the Body for Subtle Energy Transfer

The body appears to contain a multidimensional antenna array for inside-outside connectivity which, at the physical level, takes the form of the autonomic nervous system⁽¹³⁾. The loci of antenna elements on the surface of the skin appears to be the acupuncture point network. These are the points through which the energy pattern is radiated so that there is thus a greater skin conductance at these points (like a photoconduction effect in semiconductors and insulators). One of the important power systems for this antenna array is thought to be the endocrine system, with its 7 spatially distributed glands, not only serving to control the main chemical factories of the body but also serving as receptors and transmitters of subtle energies. Studies have shown that the seats of sensitivity for certain dowsing signals are the

adrenal and pituitary glands⁽¹⁴⁾. The endocrines also seem to serve as a bridge to other dimensions via connectivity with the chakras described in eastern mystical literature. The endocrine-chakra pairs can be thought of as transducers of energy between the physical and other dimensions of the universe⁽¹⁵⁾.

It is interesting to note that a technique has been developed⁽¹⁶⁾ for monitoring the difference in the electrical characteristics, between the left and right sides of the body, of the acupuncture points at the ends of the meridians. If the standard deviation > 1.21 , an instability of the autonomic nervous system leading to the onset of disease for that meridian and that organ domain of the body is indicated. If the standard deviation < 0.5 , a chronic disease is indicated. However, the strict correlation between these electrical indicators and western medicine concepts of disease have not yet been adequately made--it is in progress. It is also interesting to note that all the present modalities of acupuncture therapy can be shown to moderate the electrochemical potential of the tissue fluids at the acupuncture points and thus moderate the electrical characteristics of the antenna system in such a way as to restore functional balance⁽¹²⁾. A mechanism for linkage between positive space-time and negative space-time disharmonious patterns has also been indicated⁽¹²⁾.

On the therapy side, we can readily see the connectivity between this model and polarity therapy⁽¹⁷⁾, kinesiology and Vivaxis therapy⁽¹⁸⁾, because they also deal with energy flows into and out of the body and utilize acupuncture points as the loci for strategic energy changes to the body. Devices designed for the restoration of this subtle energy balance have been

in use for some time. Three of these are the Eeman's relaxation circuit, the Cayce radioactive appliance and the Cayce wet cell appliance which also appear to work in concordance with the proposed model⁽¹⁹⁾. Since the negative space-time frame is in a type of mirror image relationship to the positive space-time frame⁽¹¹⁾, homeopathic medicine fits quite naturally as the medicine needed for the etheric level of substance to restore proper function directly at that level and thus influence proper function at the physical level. Stepping further afield, radionic medicine⁽¹⁵⁾ deals with the interface between the mind dimensions and the negative space-time dimension and, in the proper hands, appears to be an effective therapy at that level. Much more needs to be learned about the negative space-time frame and its connective linkages, with both the frame of physical substance on the one hand and the frame of mental substance on the other, before truly effective utilization of such techniques are possible. They appear to be in such violation of the conventional view of reality that it is not surprising that they are considered quackery by the AMA and the FDA. It will require many years of effort and serious experimentation before the conventional view of medicine is replaced by such a new "World Picture" that radionics techniques will be considered commonplace.

E. Work to be Done

There is a truly great need for reliable experimental devices for monitoring body energies on successively more and more subtle levels⁽¹²⁾. Measurements with these devices will help to forge the bridge between our present chemical modalities and our future modalities. The next step is the working with largely physical-level monitoring devices like Kirlian

photography⁽²⁰⁾, acupuncture point and other skin monitors, electrostatic field monitors, etc., and providing a sound data base from which to test our models. This needs to be followed with biomechanical⁽²¹⁾ and bioelectrical transducers (like dowsing wands, etc.), deltron^(11,12) and magnetoelectric devices that reach into the negative space-time domain and lay a foundation for lawful experimentation at that level. Finally, a family of devices that utilize and manipulate mental energies need to be studied in depth so that we can build a firm bridge from where our consciousness is presently located to the fundamental level of our being--the spirit. And from there we are only a short step from Home!

References

1. S. Ostrander and L. Schroeder, Psychic Discoveries Behind the Iron Curtain (Prentice Hall, New York, 1970).
2. W. A. Tiller, "Radionics, Radiesthesia and Physics," (Proceedings of the Academy of Parapsychology and Medicine Symposium on "The Varieties of Healing Experience," 1971).
3. A. Puharich, private communication re experiments with Uri Geller.
4. C. Baxter, "Evidence of Primary Perception in Plant Life," Intl. J. of Parapsychology 10 (1968).
5. R. Targ and D. B. Hurt, "Learning Clairvoyance and Precognition with an Extra-Sensory Perception Teaching Machine," (IEEE Symposium on Information Theory, January 1972).
6. I. Rock, "The Nature of Perceptual Adaptation," (Basic Books, New York, 1967).
7. L. Brillouin, "Scientific Uncertainty and Information," (Academic Press, New York, 1974).
8. W. A. Tiller, "Consciousness, Radiation and the Developing Sensory System," (Proceedings of the Academy of Parapsychology and Medicine Symposium on "Dimensions of Healing," 1972).
9. W. A. Tiller, "Disease as a Biofeedback Mechanism for the Transformation of Man," (Proceedings of the A.R.E. Medical Symposium, Phoenix, Arizona, January 1973).
10. W. A. Tiller, "Three Relationships of Man," (Proceedings of the A.R.E. Medical Symposium, Phoenix, Arizona, January 1975). Multidisciplinary Research 4, Part 1, 143 (April 1976).

11. W. A. Tiller, "The Positive and Negative Space-Time Frames as Conjugate Systems," (Proceedings of the A.R.E. Medical Symposium, Phoenix, Arizona, January 1975). Future Science, eds. S. Krippner and J. White (Doubleday-Anchor, 1976).
12. W. A. Tiller, "Future Medical Therapeutics Based Upon Controlled Energy Fields," (Proceedings of the A.R.E. Medical Symposium, Phoenix, Arizona, January 1976).
13. W. A. Tiller, "A Lattice Model of Space and Its Relationship to Multi-dimensional Physics," (A.R.E. Medical Symposium, Phoenix, Arizona, January 1977).
14. Z. V. Harvalik, "Sensitivity Tests on a Dowser Exposed to Artificial D.C. Magnetic Fields," American Dowser 13:3, 85 (1973). Ibid 14:1, 4 (1974).
15. W. A. Tiller, "Radionics, Radiesthesia and Physics," (Academy of Parapsychology and Medicine Symposium Transcript, "The Varieties of Healing Experience," October 1971).
16. H. Motoyama, "How to Measure and Diagnose the Functions of Meridians," Intl. Assoc. for Religion and Parapsychology 1, No. 2, 1 (Sept. 1975).
17. J. F. Thie, Touch for Health (De Vorss & Co., Santa Monica, CA 1973).
18. F. Nixon, Born to be Magnetic, Vols. I and II (Magnetic Publishers, P.O. Box 718, Chemainus, British Columbia, Canada).
19. W. A. Tiller, "Energy Fields and the Human Body, Part II," (A.R.E. Medical Symposium, Phoenix, Arizona, January 1972).
20. W. A. Tiller, "Kirlian Photography, Its Scientific Foundations and Future Potential," Physiological Physics and Therapies, ed. D. N. Ghista (Marcel Dekker, Inc., New York, 1978).

21. W. A. Tiller and Wayne Cook, "Psychoenergetic Field Studies Using a Biomechanical Transducer," (Proceedings of the A.R.E. Medical Symposium, Phoenix, Arizona, January 1974).

Figure Caption

1. Representation of Being (Soul) attached to the Simulator (Body) via the transitional frame as an interfacing network.

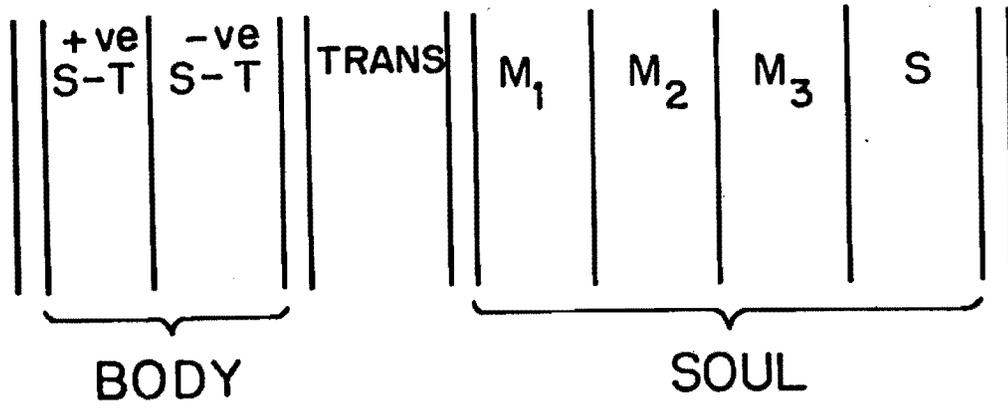


FIGURE 1