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New Fields, New Laws

WILLIAM A. TILLER

The flux of worldwide investigation and activity in the area of psychoenergetic fields and phenomena has been such that it has exceeded the "critical mass" condition for a self-sustaining reaction. Since we presently have some ability to monitor this aspect of nature, we can anticipate continued growth of awareness and perception relative to it.

Such an activity does not deny the validity of our present knowledge of the universe, nor does it pose a threat to what I shall call conventional physics. Rather, it calls for an extension or expansion of present laws to reliably model behavior in variable space that circumscribes psychoenergetic fields.

Acceptance of the psychoenergetic findings is difficult for those who have had no experiential awareness of these "other" energies of nature and it is understandable when they are vehemently rejected in many quarters as violating our collective picture of the universe. In fact, some of the criticism about sloppy experimental procedures is justified because it is extremely difficult to develop completely "clean" protocol for these experiments.

However, the body of experimental data in support of this field is so vast that it cannot be denied much longer. One may be able to quibble about the quality of a single experiment or about the veracity of a given experimenter but, taking all the supportive experiments together, the weight of evidence is so strong as to readily merit a wise man's reflection.

Research in this area usually follows two main paths: (1)

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that which is designed to illustrate the existence of phenomena, and (2) that which tries to distinguish the important variables and to quantitatively measure the significant parameters of this domain of nature. The former is needed to awaken the human community to awareness of this aspect of nature; the latter is needed to build a reliable foundation of scientific understanding and its extension to an exciting new technology.

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, like the iceberg, most of nature is still hidden from us. 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,¹ psychokinesis,¹⁻³ manual healers⁴ and traveling clairvoyance,⁵ we seem to be dealing with *new energy fields* completely different from those known to us via conventional science.

B. The universe seems to organize and radiate information in *other dimensions* than just the physical space-time frame with which we are familiar. From experiments on PK,^{1-3, 6} radionics,⁷ materialization-dematerialization,⁸ 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 space-time frame of reference.

C. At some level of the universe, we are *all interconnected* to each other and to other things on this planet. We see this in the Soviet telepathy experiments with rabbits¹ and in the Backster experiments with plants, eggs, and assemblies of living cells⁹ (yogurt, blood, etc.).

D. *Time, space, and mass are deformable*, i.e., they are not as immutable and confining as we have tended to think. Experiments on precognition,¹⁰ out of the body projection,¹¹ materialization, and dematerialization,⁸ etc., point to this.

E. With our physical sensory systems, we *cannot perceive reality*. From modern information theory,^{12, 13} we deduce that

we cannot know reality but can only gain some information about reality. We settle for a set of consistency relationships. Slater's experiments on the "upside-down" glasses¹⁴ strongly support this view.

F. Finally, a *biological transformation* seems to be taking place in humanity at this point in time. From the author's personal experiential feelings and from those of others, from observations of the rapid rise of endocrine dysfunction (hypoglycemia, etc.) in humans plus from observations of the manifesting instability of the human sector of our planet, new energies appear to be circulating in man that, on one hand, cause internal tensions and subliminal fears and, on the other hand, cause manifestation of psychic experiences and abilities.

Mankind seems to be voyaging into a new world of perception and does not yet have reliable tools to cope with this apparently new environment. Just as most of the key ideas upon which our presently accepted science is based were known to the Greeks and lay fallow for almost 2000 years before development, most of the key ideas upon which this new science will be based seem to have been known to the Eastern cultures for even longer. Now seems to be the time for transforming these ideas into an accepted science!

Here, one should reflect on the example of Newton and Einstein. Newton's work on gravitation was not shown to be wrong by Einstein but merely limited to a domain of variable space in nature far removed from speeds approaching the velocity of light. The laws of Einstein reproduce the laws of Newton in the appropriate limit of small velocities. In the decades and centuries ahead, we should hope to follow and extend Einstein's example and develop quantitative laws which reliably model nature in the psychoenergetic domain and which simplify, in the appropriate limit, to our present physical laws of nature.

As an example to illustrate the point, let us look at the life sciences. Up till now, medicine, biology, and agriculture have viewed living organisms as operating via the following sequence of reactions:

$$\text{function} \rightleftharpoons \text{structure} \rightleftharpoons \text{chemistry} \quad (1)$$

Thus, flaws in the function area were traced to structural defects in the system that arose out of certain chemical imbalances. The rectification procedure was usually via an adjustment of the chemical environment with more and more sophisticated chemical complexes being utilized to trigger the organism's defenses and repair mechanisms. The dilemma that arises is that as both the organism and its threatening invaders adapt to the new chemical complex, they become progressively less sensitive to it and so the escalation of potency must continue. One very deleterious aspect to this procedure is that the unnatural chemical content of the organism increases and begins to influence other levels of functioning of the organism than the one being corrected. This effect is particularly serious in the agricultural area where the method of application of the chemicals is via the soil. As a chemical equilibration develops between the plants and the soil, percolation of water through the soil spreads the chemicals over a large area and the whole ecosystem begins to suffer from chemical pollution. In addition, there is some question concerning the long-term effects on other organisms associated with the intake of these chemicals residing in the plants. Clearly, mankind must find a better way of understanding and dealing with flaws of function in living organisms.

In searching out alternative procedures for influencing the well being of living organisms, one must first question the validity or completeness of equation (1). Are there effective physical, as distinct from chemical, techniques for modifying organismic functioning? Are there potential techniques for doing likewise in the domain of what would presently be called "nonphysical energies"? We know that osteopaths have had considerable success with human functioning using physical techniques and for the last two hundred years there have been serious reports of various types of nonphysical phenomena which suggest the naivete of equation (1).

In neuropsychiatry studies, one sees that small electric currents between certain specific points in the brain give rise to the same behavioral changes as observed with certain chemical intakes.¹⁵ In other studies, Becker¹⁶ has shown that small

dc electric currents ($1-10^3 \mu\mu\text{A}/\text{mm}^2$) cause cell regeneration, tissue repair, and fracture rehealing, whereas dc currents greater than $10^4 \mu\mu\text{A}/\text{mm}^2$ cause cell degeneration. Studies of acupuncture show that the application of either mechanical or electrical energy at certain specific exterior body points cause changes in the structure and function of certain specific body organs. Studies in the alteration of enzyme activity (trypsin) by placing solutions in either a strong magnetic field or between the palms of a healer have shown the influence of nonchemical fields on what we think of as essentially a chemical aspect of certain molecules.¹⁷ In modern psychotherapy, we see chemical treatments influencing mental states.¹⁸ Present biofeedback studies abound with results which indicate that human mental states and states of visualization significantly alter the physiological parameters of the organism. Likewise, under hypnosis or in the aikido, Zen, or yoga disciplines, the human body has been found to exhibit remarkable feats of strength and endurance.

All the foregoing examples and many more indicate that equation (1) should be replaced by

$$\begin{array}{ccccccc}
 & & & & \text{electric,} & & \\
 & & & & \text{magnetic, and} & & \\
 & & & & \text{gravitational} & & \\
 \text{function} & \rightleftharpoons & \text{structure} & \rightleftharpoons & \text{chemistry} & \rightleftharpoons & \text{fields} & \rightleftharpoons & \\
 & & & & \text{nonphysical} & & & & \\
 & & & & \text{space-time} & & \text{mind} & & \\
 & & & & \text{fields} & \rightleftharpoons & \text{fields} & \rightleftharpoons & (2)
 \end{array}$$

At this point, we are unable to specify the components in the categories "nonphysical" space-time fields¹⁹ and "mind" or nonspace, nontime fields. We merely need to recognize that they exist and need to be clearly delineated by future research. We thus see that the door begins to open to alternate pathways for stimulating healthy growth of biological organisms. Of course, the same physics that operates in living systems operates in the inanimate domain of nature and great benefits will ultimately be discovered and utilized in this sphere as well.

It is clearly arbitrary to partition nature into the domains

labeled (a) physical space-time, (b) nonphysical space-time, and (c) nonspace, nontime. In our very distant future, we are likely to find that there is only *one* energy which has manifold expressions depending on the state of consciousness which interacts with the energy. However, we presently have a scientific foundation which has already segmented and delineated uniquely different energy characteristics as perceived by our biological senses and by our extended instrumentation senses. Thus, we must continue along the path already laid down by our scientific forebears until we have reached the level of consciousness where the unity can be known.

Let us go forward with care, courage, and enthusiasm, performing our work thoughtfully and rigorously. It is far too important to deserve any less than the very best of our abilities to provide a firm and reliable foundation of understanding in this area. The techniques of analysis and experimentation and the standards of quality synonymous with conventional science serves as a meaningful guide to us. Let us be open minded and flexible in our seeking, but let us also require extensive proof before we rest to enjoy the satisfaction of a completed task.

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