

14 Energy Fields and the Human Body

William A. Tiller

In the following pages I will project a model of substance that includes unconventional energy fields, or as I prefer to term them, nonphysical energies. This model provides a framework for discussing how many of the nonphysical energies come into play and begin to interact with each other and with the physical, including the human body.

A model can be thought of as a working hypothesis. It is a conceptual framework from which we can start to try to 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 he is starting to grapple meaningfully with the particular unknown area under consideration. As one begins to model the phenomenon, one 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 subsequently to 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 are like the rungs of a ladder from which one climbs from one level of understanding to another. Most 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.

If we look carefully at the human body with electromagnetic detectors, we are able to see EM energy radiated from the body not only as a

result of electron orbit changes but also as a result of physical rotations and vibrations of the molecules, cells, etc. In time, we may even come to detect natural X-rays and gamma-ray emission from certain regions of the body. In addition, if we carefully scan the body with sonic detectors, we will detect a unique sound spectrum associated with actual physical movement of cells and body systems—another fingerprint. In time, we can expect to find many such fingerprints radiated from the physical body.

Perhaps one of the most striking techniques for revealing some of these energies is the use of liquid crystals. By painting a person's body with liquid crystals, color patterns can be readily seen. Here, the liquid crystals act as a transducer to turn the body's radiations into an optical manifestation that can be readily seen.

These are the types of radiation we know at this point in time, and we are trying to use this as a guideline for understanding certain uncommon phenomena. We hear of psychometry. We hear of dowsing. We hear of clairvoyance and clairaudience and prophecy and various kinds of channeling (mediumistic) activities. We hear of radionics, vixaxis, and many other unconventional methods of gaining information about our environment and about ourselves. Although we think about such communication conventionally in terms of the visual (which is electromagnetic) and in terms of the sonic, we should anticipate that nature is filled with many other kinds of energies. As we attune to them and discriminate them, then we are obtaining additional information about our environment.

Our present understanding of human energy fields is inadequate to account for the phenomena mentioned above, and others. 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 mold, we shall get lost (because they just will not fit). Thus, the place where I have started is to take the yogic philosophy of the seven principles operating in man and hypothesize that this really means that there are seven different levels of substance, and that these different substances are unique and have different types of configurations.* They obey entirely different kinds of laws and they have

* W. A. Tiller, "Radionics, Radiesthesia and Physics." *The Varieties of Healing Experience*, 1972, Academy of Parapsychology and Medicine, Los Altos, California 94022.

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, from the coarsest going toward 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); 3) the astral level; three levels of mind termed 4) instinctive, 5) intellectual, and 6) spiritual mind; and 7) another distinct level that is spirit.

There is said to be a level beyond these seven that is called the divine. However, for our purposes here, we can think just in terms of the seven levels of substance.

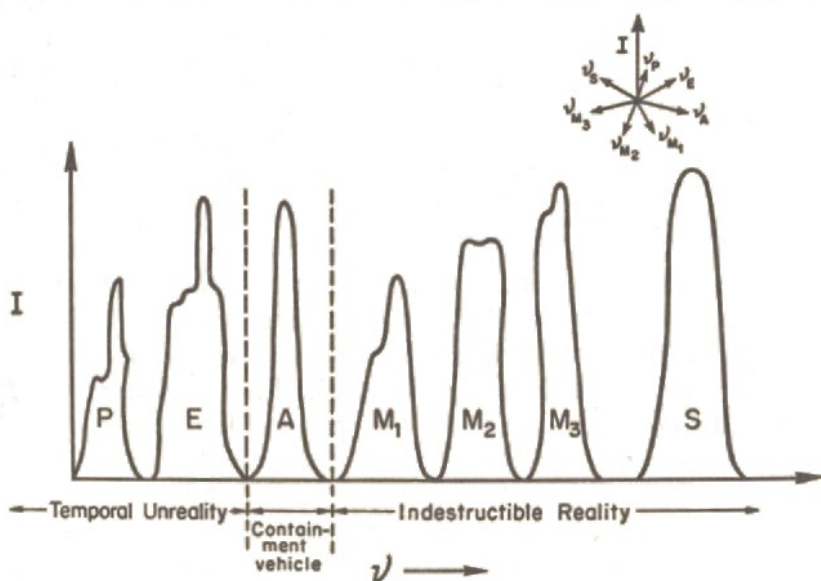
These seven substances interpenetrate each other in nature and may interact with each other. They, through the polarity principle, form atoms and molecules and configurations of these. One can apply the metaphysical principle "As above, so below; as within, so without" and realize that what we see in the physical may be used as a model, that this same kind of modeling understanding may be extrapolated through the other levels of substance, differing somewhat in detail from the physical, and that 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 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 very 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 that 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. 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).

As an aid to visualizing this model, consider Fig. 1. For these seven levels of substance it is meaningful to draw a plot of the intensity of the radiation versus its frequency. Now, the thing we have to realize is that this particular representation of Fig. 1 is purely for coming into contact with the idea and is not a scientifically correct representation, since these levels of substance represent entirely different kinds of energy, entirely different kinds of physical laws, and they really should be represented on different axes—i.e., different coordinate vectors of phase space. That would be a more proper way to do it. And in fact, along any one of these coordinates, there may be many different kinds of energy that should be represented (just like electromagnetic, sonic, gravity, etc., energies in the physical). But, at least for us to conceptually see the simplest outlines of the model, it is worthwhile to represent it this way: the physical,



1. Schematic spectral distribution curve illustrating, along one coordinate, relative radiation characteristics of the seven levels of substance.

etheric, astral, mind levels and the spiritual level on one axis. Through focusing attention on the mind and spirit levels, we see the true essence of man. This is the indestructible reality of man and is the on-going man. These levels of energy function (or appear to function) in a nonspace, nontime frame of reference—that is, the patterns of intelligence (in that frame of reference) are not represented on coordinates which relate to space and time.

The astral function is largely as a containment vehicle, it appears, to keep this human essence in a compact form between incarnations. Looking further to the left, we come down to the temporal reality associated with this kind of physical existence—i.e., a vehicle that is suitable for experience in this earth plane (the etheric level and the physical level). In the case of the physical, we have the space-time frame (the Einsteinian frame) which we know a great deal about. The etheric level is a companion level and it operates again in a space-time frame but in a different space-time frame from the physical, and yet these two are complementary. That is, as time goes on, for the physical the potential decreases and entropy increases, whereas for the etheric we have the reverse situation: the potential increases and entropy decreases. A characteristic of the physical frame is one of disorder. A characteristic of the etheric frame is one of the organization of matter. The physical is primarily characterized by electric effects. The etheric is primarily characterized by magnetic effects.

This is the way in which I have come to look at these various energies—i.e., that there are radiations associated with these different levels, and these radiations give rise to the phenomena that we can call psychoenergetics. The majority of these phenomena deal with the etheric vehicle. That is, we have a sensory system in this vehicle that connects us to the psychoenergetic phenomena just as our five physical senses connect us to physical phenomena.

In my model, God created the universe, and He created it as a hologram! A hologram, basically, is a pattern of coherent energy and that pattern has a three-dimensional character in a space-time frame and it represents particular information. The first hologram beyond the divine was a hologram of spirit substance that organized itself, and the organization, at that level, had coherent radiation centers that radiated a pattern that was a hologram at the spirit-mind level. Then the substance organization at this level occurred that, in turn, contained coherent radi-

ation sources that 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 can see the first and simplest representation of this with the cut leaf experiment performed by Soviet researchers using Kirlian photography. They demonstrate that when a part of the physical leaf is cut away, an energy manifestation presumably from another level of substance can still be detected. In my model, this is suggested as evidence of the hologram penetrating to the physical level from the etheric level.

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 Edgar 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.

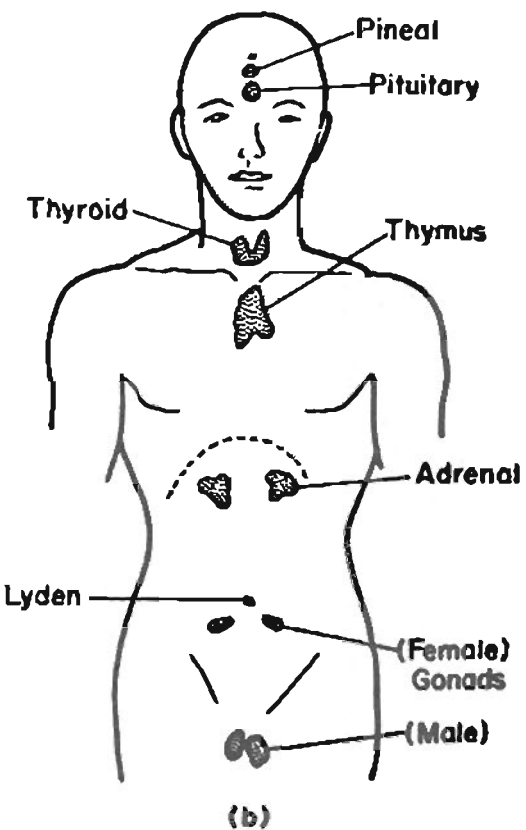
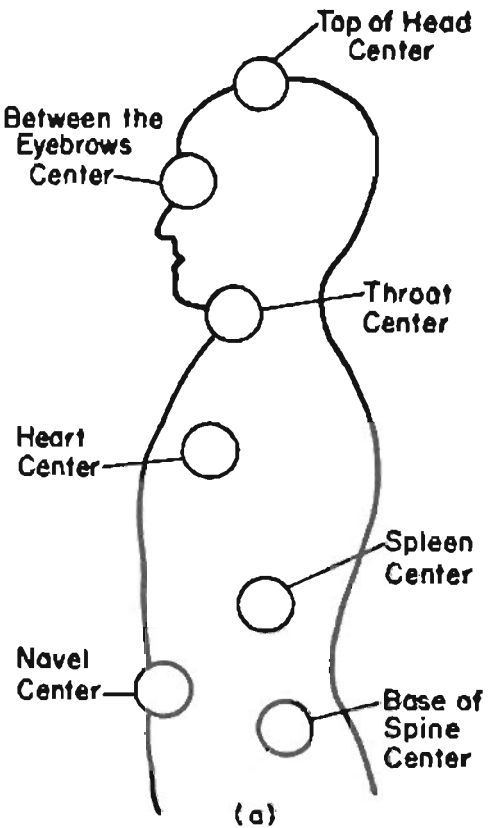
A second thing that is important to note about this hologram, if this is the way creation took place, is that the divine pattern produced initially created patterns at the mind level of nature for the development of man in a harmonious way. This results from the coherence in the energy pattern. However, man has free will, and if with that free will he polarizes from an ego-mind aspect, he creates mental patterns that 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 generate patterns at the mind level of nature. These 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.

What is the way to cure it? Even though we bring about medical

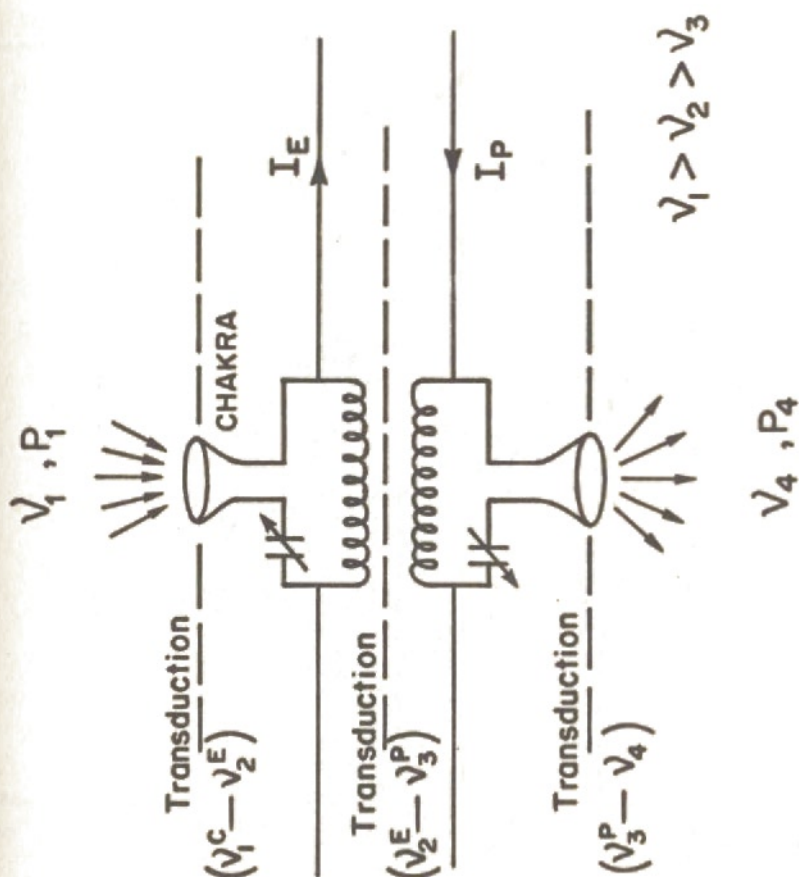
changes at the physical level, we do little at these deeper levels, so that the disease will eventually recur. We would be a better doctor if we could produce correction at the etheric level, because then the cure would last longer. However, it will not be permanent because we have not altered the basic hologram at the mind and spiritual levels. 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. 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 the 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 I 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 (psychic energy centers). 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.

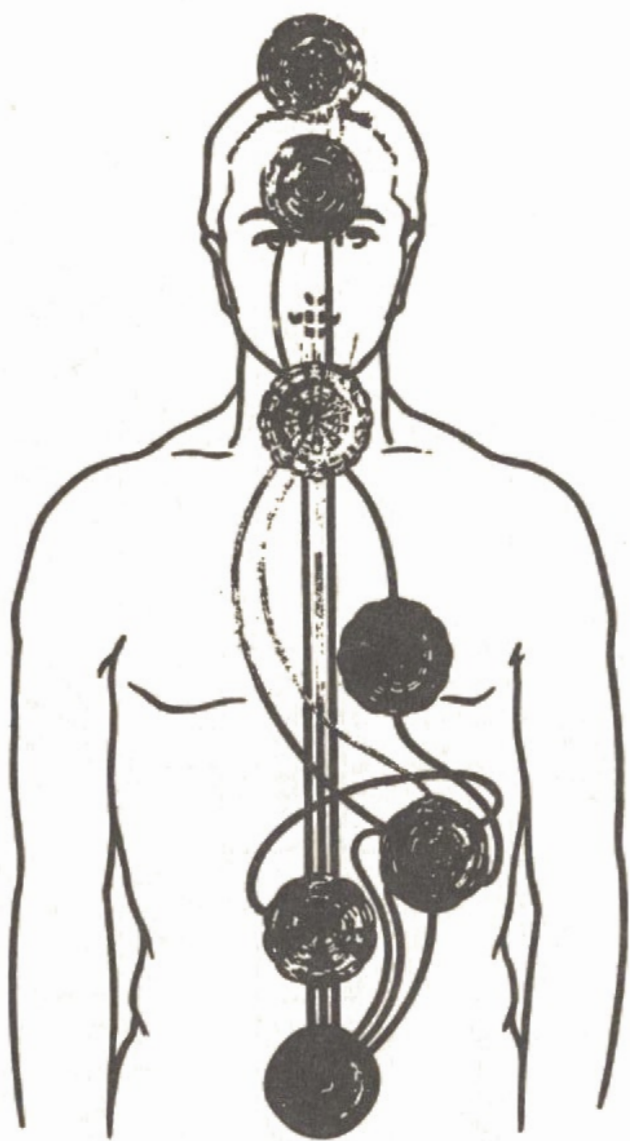
In Fig. 2 we see the location of the various chakras and we see the endocrine glands located basically at the same physical location. In Fig. 3 we have a representation of a chakra-endocrine pair as a tuned circuit via which one may tap energy from the cosmos. One can tune this circuit to absorb energy and produce current flow in the etheric circuit; i.e., some type of current, whatever it is. There is thought to be inductive coupling of some sort between the etheric body and the physical body that produces various energy current in the physical body and the transmission of energy out into nature, both directly from the physical body and back through to the etheric level, and then out into the environment.



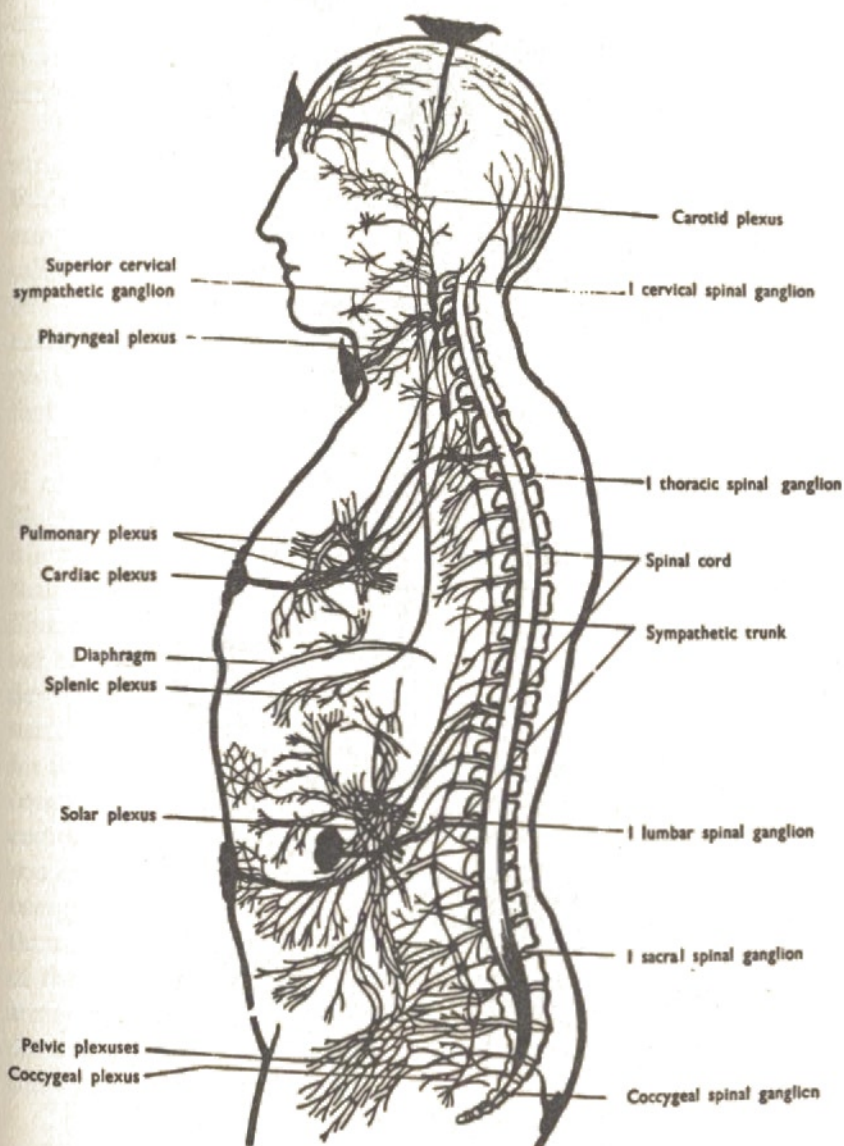
2. (a) Location of the seven major chakras at the etheric level of substance. (b) Location of the seven major endocrine glands at the physical level of substance.



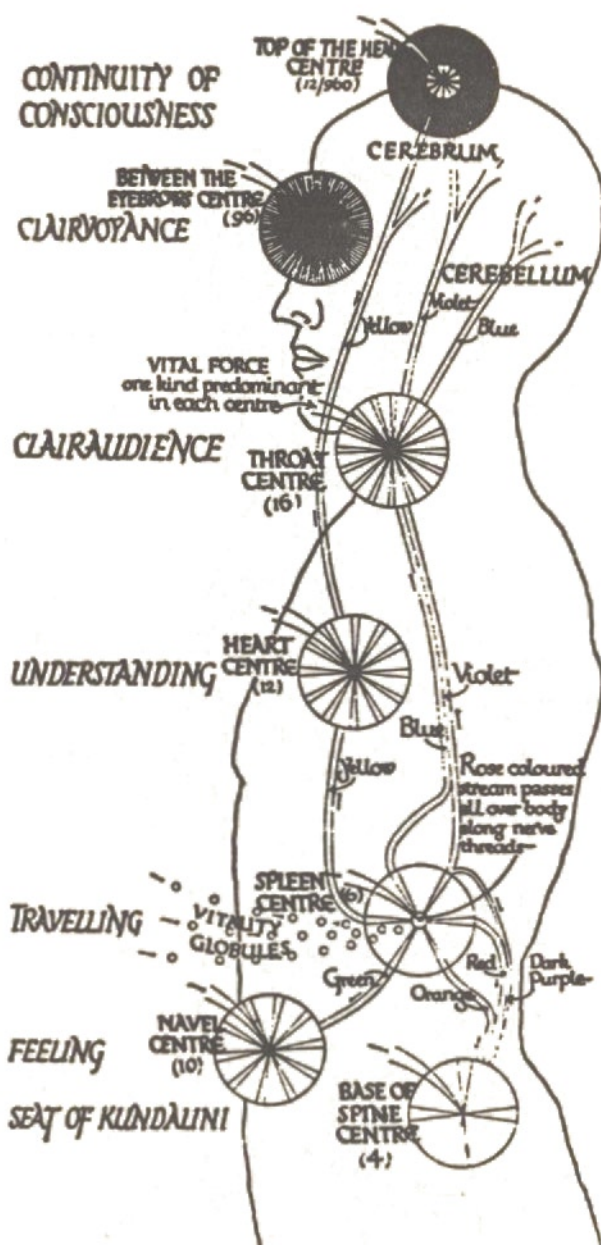
3. Schematic illustration of tuning and transduction aspects of a chakra/endocrine pair for tapping power from the cosmos.



4. Front view of the major chakra system illustrating a morphological character to the energy centers (Leadbeater).



5. Side view of chakra system and the nervous system (Leadbeater).



6. Man and his etheric centers illustrating the types of psychoenergetic phenomena associated with each center.

Fig. 4 illustrates a front view of the chakra network in the body. Fig. 5, from the same source, illustrates a side view of the chakra system. We see that, although the chakras have their centers located as indicated in Fig. 4, their seats or root stems appear to be in the locations closely related to those of the endocrine system. In Fig. 6 we note the types of psychoenergetic phenomena said to be associated with each center.

The next step in the progression of our understanding relates to the various psychic manifestations of psychokinesis, telepathy, and so on. For this, I anticipate that we must begin thinking of these chakra-endocrine pairs as coupled units and operating very much in what I would call a laser mode. That is, one must start thinking of these various centers working in synchronization with each other to manifest coherent energy and then radiation from these centers. Thus, if we want to investigate these phenomena, we must monitor the body in such a way that we are reading energy changes from these centers.

The lasing aspect of these centers is very important to understand. If one takes a 10-watt bulb, we know there is only a small amount of illumination radiated from the bulb. It, indeed, sheds some light but it is not a great amount of light, and that is because the conventional light that we use is incoherent and its energy content is not very effective for illumination purposes. Incoherence means that the rays of light are all out of phase with each other, so they cancel, and we get what is called destructive interference of the light waves. Thus, although one gets some illumination, one does not get much. However, if one can arrange for those individual photons of light to all be in phase, then one obtains constructive interference of the light waves—i.e., the resultant wave becomes very large in amplitude. When that happens, you have a laser; you have coherent light and that same 10-watt bulb can now produce an energy intensity over an area of about one square inch that is far greater than that found at the surface of the sun. This is a far more effective use of the energy! From that same total energy, the same basic stuff, by rearranging it in the right way to make it more coherent, one is able to develop a fantastic tool capable of doing many things. That's what I think happens here in the body!

I propose that the manifesting of psychoenergetic 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 completely coherent, there would be at least enough energy to create our entire universe at the physical (incoherent) 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—i.e., it takes work. 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. . . .