

## Chapter 4

# Electromagnetic Isolation

**W**e are privileged to be living on Earth in a time period which is referred to as the era of "knowledge explosion." Prior to the era of the Dark Ages, the scope of our knowledge increased very slowly; in fact, it took approximately 1,000 years for the accumulated knowledge to double even once. During the Dark Ages progress was more or less at a standstill, then about the 15th century our accumulated knowledge started doubling in 500 years, then 100 years, then 50, 10, and so on at an ever faster rate. Recent surveys show that our knowledge is now doubling at an 18 month tempo and continuing to increase rapidly. This means that we are now enjoying a storehouse of knowledge so vast, so broad, that if we do not apply it to our basic understanding of Life itself, we are, allegorically speaking, missing the boat; even as did the foolish virgins in the parable depicting an event such as this. For this reason it is wise to examine all man-conceived theories, and evaluate them in relation to our changing times and to these indisputable facts: Life on Earth is one with Life in the Universe, and the changing cycles of greater Celestial systems have a direct influence on the affairs of Earth.

When Dr. Albert Einstein postulated his Unified Field and Relativity theories, there was a much lesser store of knowledge available to him than there is at this later time period in the era

of our knowledge explosion. From the turn of this century until 1955, Dr. Einstein strived to understand and explain how the vast Universe operated as a unit. His contribution to our increase of knowledge is recognized worldwide; nevertheless, he is quoted as saying that he was never fully satisfied with his findings and postulates. Although his theory of Relativity related the energy that is in motion in Space with the energy that is congealed in material substance, and his Unified Field theory combined electromagnetic forces of space with those of gravitation, he felt that something was still missing. He had a deep emotional conviction of the presence of a Superior Reasoning Power which permeated all space, but he could not relate this wisdom directly to man and Earth, as he had related energy to all material substance.

Dr. Einstein is said to have spent many enjoyable and thrilling hours in the shop of a friend whose livelihood was to repair radios. He would marvel at how a man could examine an ailing radio and, as though by magic, pick the exact components needing repair from that maze of wires, condensers, resistors, transformers and what have you. Had he taken the time to study electronic circuitry and its purpose until it was clear to him, he would have been astonished to note that in this little gadget existed many of the keys he sought to unlock certain mysteries of the electromagnetic Universe; that in this little radio set exists both togetherness and isolation, which from the designer's point of observation makes a working composite, but for one looking at the effect only, this composite—this radio set—is a mass of mystery.

Let us unravel a part of this mystery. Every radio has a tuner, which is an electromagnetic gate that opens into electromagnetic space, allowing the selected signal (which signal carries "piggy-back" all desired sounds or information as energy) to pass through, first to a process of amplification and then to detection (or extraction of the desired information from this selected signal), and then to final amplification and output of the desired information through the speaker, which by vibration, reacts as did the vocal cord that created the

original "piggy-back" signal. Each of these basic stages, and several more within them, are isolated one from the other by an indirect coupling, such as a transformer, a capacitor or a tuned circuit. If any two of these stages were coupled directly together, they would dissipate one into the other, and neither would function to serve their designed purpose. Each stage is, of necessity, isolated one from the other so that they know each other only in a designed manner and for a specific purpose. If it were possible to converse with these isolated stages, each would have its own story and opinion of what constitutes reality to it. You could not convince the strong output stage that it depended upon any of the other real stages preceding it in order to have both voice and message. It would be equally as hard to tell the tuner that what it heard and felt was not of a quality that could be heard by the listener for whom the radio was designed. Isolation, when designed into any electronic stage, is just that—isolation.

Mankind also has certain limited sensors (stages) each effectively isolated from the total physical or electromagnetic Universe of which he is a part. For example, our sensor of vision, the eye, registers only about 1% of the known electromagnetic spectrum, and none of the controlling forces beyond it. Although man's physical senses speak the loudest and with great authority, they cannot sense beyond the barrier that isolates them and makes each a limited sensor, confined to its portion of the physical realm.

Each and every unit within the vast Universe, from microcosm to macrocosm (including living physical forms) is tuned into another activity outside of its own form by an active energy field that permeates and encompasses it. This field is more and more being observed and photographed optically and electronically. The energy fields closest to man, animals, plants or other objects, have been observed throughout time by those having clairvoyance, which is a vision that seems to be of the eye, but is actually a vision that impinges the consciousness. These energy fields, usually called auras, are more complex and more active in living form than in inanimate objects.

In man the aura is a display of constantly changing activity, responding to the emotions and stages of well-being with a variety of colors and intensities; even responding to changes of Celestial nature far removed from him. The aura, or energy field, is an integral part of man's being and is much more complex than is the tuner of a radio. The tuner is a selective, open gate that detects and absorbs the electromagnetic activity which fills space; therefore, nothing in the electromagnetic field could be used by the radio without a properly oriented, or tuned, tuner. Likewise, nothing in the field of Life could be felt and used by us if we were not equipped with a tuned Life Field capable of tapping the forces common to our living body and the Life Forces of the Cosmos.

Besides being individually isolated into a self-reliant system (our physical body), we are further isolated by being on, or within the negative electronic field of planet Earth and, thus within the Solar System which has a field within other, ever larger systems. The negative polarity Earth could not be as it is within a moving sea of Living Space, if it were not effectively isolated to operate by indirect couplings. Our fantastic recording organ (brain) is subject to this strong isolation also. It is of Earth, and when its usefulness is past, reverts to Earth. There is no way that the brain, of itself, could discover a realm beyond its domain of operation, any more than could the isolated stage within an electromagnetic device such as a radio or TV know the whole circuit. The non-electromagnetic forces do not have this isolation or restriction. In nuclear physics, the neutrino, because it is not an electro type energy, can theoretically pass through millions of miles of solid lead without encountering resistance. The neutron can also penetrate solids, although not as freely, since it is more of a tool than a totally free agent. It stands to reason then, that the illusive, non-electromagnetic I of us, like the neutrino, is not limited or restricted by electromagnetic resistance. We can program our brain to accept this and to apply its recorded data of Earth's findings to be an extension of our consciousness into the physical realm, in such a way that the Spirit, I, can know electromagnetic experiences.

It is a long distance, technically speaking, from the radio to the present-day wonders of applied electronics. There is even concern lest our personal lives become minute, electric charges in a memory bank, lest we become only an invisible pawn to a man-made system. Those involved in advanced research in many fields, all seem to have a common feeling that we stand on the brink of even greater breakthroughs. What appears to be holding the breakthroughs in abeyance is much the same in all branches of research, and generally boils down to questions such as: "Why is Nature as it is?" "How does Nature do what we can't?" "What is missing in our approach that is not missing in Nature's?"

Our young sciences have gone far in a relatively short time, albeit not always to our advantage. What is needed is to find the nature of the tools used by Mother Nature, which we have not yet discovered. If we believe that we think with our brain, we will be prone to seek these answers within minute particles of matter, and thus strive to alter material to create and measure micro-second duration motion or energy. If, on the other hand, we know that we think with unrestricted Mind, we will look upon this force as though it were related to the physical form in the same manner as is the wind related to the windmill. A windmill only uses the forces of the wind which it becomes caged into; it does not alter or change the forces, it merely slows some of them temporarily.

An unlimited mental picture cannot be conceived until we add an opposite, for contrast to the generally accepted theory that the only force in motion in free space is that one termed "speed of light," which has a velocity of 186,000 miles per second. This single reference, which has an unknown source, is confusing because there is absolutely nothing in the physical realm which does not have an opposite for contrast, by which opposition its reality is established. Since our purpose for writing this book is to point to a clean energy source, which is available by passive tapping, in contrast to forceful pumping, we must recognize the existence of an opposite force, compatible to and in conjunction with this known constant, "speed of light."

As Nature appears to do everything quite simply, there are, no doubt, missing factors for us to discover. The science of nuclear physics is getting ever more complicated with their deep probing. There is an urgent need to find the simple way forward. A review of past efforts may uncover a wrong turn which would call for a basic correction of our course as it relates to energy. A seemingly insignificant error in the early stage of scientific research could snowball to such a degree that the great achievements accomplished by science may overshadow even greater possibilities of scientific wonders, which are overlooked because of an established trend or theory. Did our early science thus accidentally stray?

In the early days of electricity, less than 250 years ago, men were rubbing together different materials and observing the results. They determined, by their observations, that there were two distinct types of electricity, and named them *vitreous* and *resinous*. The vitreous had an affinity with pith balls, which are derived from the positive core of vascular plants and trees. The resinous had affinity for the negative, outer mass of these plants and trees, such as cellulous and rubber. These two contrasts became known as positive electricity and negative electricity. This belief held until it was found by experiments with a Leydin Jar (a condenser or capacitor) that flux of the positive electricity could be divided into a pressure (voltage) by a lack and/or excess of "juice" called valence electrons, which is contained in and associated with good conductors of the positive electricity. Thus the resinous, or negative electricity, was dropped from the science of electricity and electronics, and the manipulation of the vitreous, positive electricity by forcefully separating this miracle-producing electrical juice within good conductors of electricity into a state of lack and excess, became known as the generation (pumping) of electricity, and the particles, or juice in transit, became known as electrons. Was it then the Leydin Jar that became the mother of the continuing mystery concerning electrical energy?

When we direct our efforts to know what lies beyond the atom as energy, using Nature's way, we are only extending a quickly growing trend in science. The 1951 edition of *Encyclo-*

*paedia Britannica* has only a short reference to the research and study of animal life which is capable of producing an electrical shock. The electric eel and electric catfish had only a few short paragraphs concerning them, and their involved organs were only vaguely discussed. The 1975 edition, which was compiled with a reported expenditure of 30 million dollars, includes a summary of extended research in biological electricity. Not only are the electric eel and the electric catfish described in detail, but also many other species of marine life and the two basic types of electric-producing organs; one muscular and the other composed of fatty, gelatinous substance. The October 1974 *Scientific American* has a well done article, complete with pictures which shed light on the structure of cilia. Cilia are hairlike appendages that protrude from single cell organisms and are in function as oars that propel a boat. The pictures are the result of electron microscope probing, which show these fine appendages in detail. While the structure is beautiful, what it means remains a mystery.

As we systematically build a case for space, which is in fluid form beyond the atom, and which is dual, not unlike the dual physical structure of material and phenomena on this side of the atom, we will also see how marine life moves without seeming effort through the media of water, and quite conceivably how a strange, electrified craft can move in our skies, and no doubt in many other skies without the necessity of stopping to bargain for fuel to activate their craft, which at times nullify or interfere with some of our electrically operated circuitry such as auto ignition systems, radios, electric motors and power storage batteries.

Our physical senses know and detect the electromagnetic realm in a limited manner. Thus they cannot reveal to us mysteries that relate to forces that are not electrically charged. The non-electromagnetic realm, which is akin to Mind, knows no electro-type restriction. The way is clear for the mind of us to know the necessary answers for developing an ultimate energy source, if we first conceive in Mind that the possibility exists. Empirical limitations are strictly electromagnetic, but the electromagnetic forces are manipulatable by Mind at any level or isolated stage where the two are present.