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A SURVEY OF MAN'S ROOTS IN THE PRIMORDIAL ORGONE ENERGY OCEAN

DAWN OF THE COSMIC AGE

To Damian and all of the children of the future,
May he and they learn to live in harmony with
functional processes of the cosmic, primordial
Life Energy.

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I, like my venerable spiritual mentor, Dr. Wilhelm Reich, have always been drawn to the genuinely deep, in contact with human feelings and social realities plays of Henrik Ibsen. Please do not confuse my use of the word 'spiritual' with what it usually means to an occultist, a metaphysician, a mystic or a member of an organized religion. *Spiritual* to me is the capacity to experience full bio-energetic contact with beloved, inspiring human beings, great truths, beautiful music or the pulsating, vibrant *Life Energy* immanent in nature and throughout the universe. Ibsen spoke especially to those individuals who, faced with counterproductive, life-negative cultural mores and alienating social setups, choose to become innovators in a quest for change. Such an unconventional person soon enough finds himself walking along a very lonely path, a path bordered by dense undergrowth from behind which self-proclaimed upholders of the status quo spit and take potshots at him. Should randomly spread malicious gossip, slander and character assassination fail to turn this human being into a bitter recluse or drive him into despair and suicide, a well-orchestrated witchhunt (termed the *emotional plague* by Reich) goes into high gear and finds the ways and means to kill him. Ibsen, himself, caught up in tumultuous (EP) undercurrents, was finally paralyzed. Reich, of course, perished at the hands of the pestilent reactions which he had so masterfully diagnosed and valiantly fought against. Other eminent examples are: Beethoven (impooverished, isolated and deaf) Gauguin and van Gogh (suicides) Kepler, Mozart and Tesla (poverty and isolation) Nietzsche (mental collapse). It is a dismal, an evil legacy; a legacy that has to leave one wondering whether or not so-called "homo normals" is basically cruel and sadistic? For me, personally, this has become much more than just a rhetorical question. Dr. Reich argued vehemently that human destructiveness is not inborn. I agree.

There are those who have become convinced, in view of the murderous first three-quarters of the 20th century, that only the inception of a *therapeutic age* can now halt mankind's march into chaos. This is a good idea and it deserves our serious consideration. However, it will remain an illusory, impractical scheme as long as people continue to hide their emotional illness from themselves. The bottom line is: we must admit to being an emotionally debilitated species before steps can be taken toward a cure. There need be no guilt or blame attached to such an admission. We have only to realize that bio-energetic dysfunction is an inevitable, unavoidable aspect of our adaptation to the cultural <> conceptual paradigm that has dominated us for millennia. Just as the Earth and nature constantly evolve, so too can a *self-imposed cultural paradigm* change. The muscular and psychological armor of the human being will no longer be the necessary survival mechanism that it now is once we consciously, deliberately opt to raise healthy (= bio-energetically intact) children. These children will then spontaneously and peacefully

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transform society. They will not need to adapt to inflexible institutions or to false values. Instead, they will adjust institutions and values to suit human needs. Knowledge of the functional laws of nature was pioneered by Wilhelm Reich. As a direct consequence, for the first time in history, mankind has access to the practical techniques and tools that can turn the vision of a cosmic age of unsurpassed human achievements into a reality. As Henry Miller summed it up: "Whatever happens to this earth today is man's doing. Man has demonstrated that he is master of everything - except his own nature. If yesterday he was a child of nature, today he is a responsible creature. He has reached a point of consciousness which permits him to lie to himself no longer. Destruction is now deliberate, voluntary, self-induced. We are at the node: we can go forward or relapse."

This book represents the triumph of the human spirit. Many of its pages were literally penned in the author's blood. By this I mean that those who would like to label me as being an "enemy of the people" are nothing more nor less than life-negative reactionaries. They rage against yet another individual and his work that confronts stagnant views of life and the universe with vivifying, potent organic energy dynamics. If the hearts and minds of decent people become poisoned by an organized campaign that is designed to distort life-affirmative insights, then the following gloomy observation made by Reich is confirmed. "That which governs the world today and has power is not only alien to the feeling of living beings, it is hostile to it, as if it were especially designed to smother it."

Ibsen's play, "An Enemy of the People", portrays Dr. Stockmann as being a man who has to forfeit his comfortable sense of community. He becomes a solitary, persecuted individual because he cannot compromise the truth for the sake of those vested interests that are tied to the continued existence of a polluted water system. Anyone who is fighting at the vanguard of humanity's evolving consciousness finds himself in Dr. Stockmann's shoes. Outwardly, it may appear to be a losing position. However, inwardly, the individual knows who the real losers are and that he and his values are fated to win. He realizes that violent social upheavals are exercised in futility. He neither seeks nor advocates such revolutions. His victory is the satisfaction of knowing that new, fertile ideas have been released to a humane, magnanimous future destiny.

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The vital force, which we now know to be orgone energy, was not the brain-child of some Eastern metaphysician. This is proven by the fact that the concept was very practically applied in the field of medicine. *Acupuncture* alleviates the ills of its patients by manipulating the flow of "Ch'i" energy into and through the organism. The ancient Chinese physician "deduced" that the human being was in essence a very intricate and sensitive energy system. Anyone who has ever seen an acupuncture chart of the human body either dismisses all those meridian lines and points of high energy radiation as the delusion of some strung-out LSD freak or acknowledges that this is a real blueprint of the energetic structure of that subtle organism called man. The former opinion is, unfortunately, the dominant one in our occidental culture. Be that as it may, the latter insight will eventually come into focus and with it a new, dynamic self-image will emerge.

The concept of a cosmic life energy has been with humanity ever since the beginning of civilization. Five thousand years ago the ancient Chinese based their whole philosophy on the existence of a ubiquitous energy which they called *Ch'i*. "The Chinese philosopher Wang Ch'ung (A.D. 27-95) wrote that the "Ch'i" is the original material substance, the primal energy that motivates the Tao or fundamental law of nature. "Ch'i" has three major senses in Chinese, i.e., breath, air and energy. The original meaning was "air" or "vapor." [1] "The Chinese had always said that there is a constant interplay between the mind, the body, and environment. All three were linked by the vital energy." [2]

"No great poet or writer, no great thinker or artist has ever escaped from this deep and ultimate awareness of being somehow and somewhere rooted in nature at large. And in true religion this was always felt, though never factually comprehended. Until the discovery of the cosmic orgone energy. This experience of one's own roots in nature was either mysticized in the form of impersonal, spiritual images, or ascribed to an unknowable, forever closed realm beyond man's reach. This is what has always turned the quest for knowledge into mystical, irrational, metaphysical, superstitious beliefs. The discovery of the cosmic orgone ocean, its realities, and concrete physical manifestations such as the flowing of life energy in living organisms, puts an end to the compulsion of turning deeper searching into unreal, mystical experiences. The human animal will slowly get used to the fact that he has discovered his God and can now begin to learn the ways of "God" in a very practical manner. The human animal may well continue fighting his own full self-awareness for centuries to come; he may well continue to murder one way or another those who threaten his self-imposed blindness by organomic disclosures. As a mechanist or chemist, he will probably defame this truly physical insight as a return to phlogiston theory or to alchemy and as a religious fanatic, he may well feel inclined to regard such a quest for extension of knowledge as a challenge to the greatness of the idea of an unknowable God, as criminal blasphemy. However this may be, the events cannot be reversed any longer. The discovery of the cosmic orgone ocean and its bio-energetic functioning is here to stay." - W. Reich

LIFE ENERGY AND THE COSMIC AGE

Even though the contemporary human being stalks the planet with impaired vision, both in the optical and Weltanschauung sense of the word, it has been scientifically demonstrated that with the aid of dicyanin screens the invisible aspects of our being can once again be viewed. Dr. W.J. Kliner, at the turn of this century, published a medical work aptly entitled, *THE HUMAN ATMOSPHERE*. It was considered to be an outrageous book by his peers and its veracity was never acknowledged during his lifetime. Dr. Kliner neither was nor ever claimed to have been a clairvoyant. He was a courageous, skilled physician who pioneered the use of dicyanin screens to make the 'human atmosphere' visible. He wrote, "As long as the faculty of perceiving the aura is confined to a few individuals, and ordinary people have no means of corroboration or refutation, the door to imposture is open. Since this has been the case up to the present time, the subject has always been looked at askance; but there is no more charlatanism in the detection of the human aura by the methods that we employ, than in distinguishing microbes by the aid of the microscope."

I am inclined to believe that a good percentage, if indeed not all, of the ancient peoples who sought not so much to control and dominate but rather to harmonize with nature, could, either naturally or with some effort, see these energy emanations. Even today there are among us those exceptional, 'gifted' individuals, whom we quickly label as being clairvoyants and psychics, who claim to have retained this human potential. These individuals are, of course, looked at askance and are more often than not considered to be frauds. The orthodox scientific community maintains its sense of security by putting them in the same box with the otherworldly mystics and their superstitious fellow travelers. Eileen Garrett, a very practical, down to earth woman who is also a highly successful business executive is living proof that this contrived stereotyping has no basis whatsoever in fact. She states in her book, *AWARENESS*, "Throughout my whole life I have been aware of the fact that everyone possesses a second body - a double. The double is a distinct fact in Eastern theosophical teaching and as such is said to be an *energy body*, a magnetic area associated with the physical human corpus, an area in which the immaterial forces of the cosmos, the solar system, the planet and one's immediate environment are normally transformed in the life and belief of the individual."

How, one might ask, could the ancient Chinese have plotted the lines and found the precise locations of all those intensive energy points? We, after all, can neither see nor feel any of those "postulated" points. This is, in my opinion, a valid question. However, merely because the average mortal of our sophisticated, technological world cannot see or feel them does not mean that a people who were probably more in touch with themselves and nature were blind and insensitive to these same phenomena. As Lawrence Blair says in his book, *RHYTHMS OF VISION*, "We cannot see the seasonal movements of the lichens across the continents, as did the red Indians; feel in the blood, as they did, the migrating herds, the shoals of fish. We of the cities scarcely gaze up at the night sky anymore, and when we do what we see is flat, pinpricked like a board - not coiling with suns through deep dimensions of time. We can sense that even the health and beauty that remain in our bodies are but an echo from the primal days of strength and sunlight. In crowds milling in the streets we see faces weighed with a pain and myopia of which the sufferers themselves are unaware." [3]

The main difference lies in the claim of some people that they are able to perceive the one through the possession of abnormal eyesight, while no one has had the hardihood to assert that they had the power of seeing an object one-thousandth of a millimeter in length without instrumental aid. There cannot be the slightest doubt as to the existence of an aura enveloping human beings, and this will be in short time an universally accepted fact, now that it can be made visible to anyone possessing normal eyesight." [4]

The optimistic doctor penned that prediction almost seventy years ago. It seemed, to Kliner, logical that if one could, as he did, easily diagnose incipient disease and conditions that ranged from hysteria to epilepsy by a careful analysis of the aura, then such a potent weapon in the fight against pain and suffering would promptly find its way into the medical arsenal. He had, however, seriously misjudged the rationality of his colleagues. Dr. Reich knew and could have told him that, "It is the basic evasion of the essential which is the problem of man." [5] Kliner had come too close for comfort to the essential. His generation was not equipped intellectually or emotionally to wallow out of the morass of wrong-headed notions about what man is and therefore they could not help him to break a fresh trail into a promising frontier.

To summarize: I have concluded that the ancient Asiatic cultures had direct contact with *orgone energy*, i.e., what the Chinese called "Ch'i", what the Hindus call Prana and what the Japanese refer to as Ki. Clairvoyants can see the energy emanations at will. The physician, Kliner, perfected a technique which allows anyone with normal eyesight to view the 'human atmosphere' through dye-filled lenses. Nevertheless, modern medicine still regards its patients as being essentially complex machines which suffer mechanical breakdowns due to physical stress and get sick because of chemical imbalances. The fact is that the body is basically a colloid substance. There is no such thing as a fluid machine.

The mechano-chemical self-image is clearly reflected in our mechanized, computerized, drug culture. The burgeoning multi-billion dollar pharmaceutical industry shows how much profit can be reaped once an entire society becomes enslaved to a false image. We wake up to a pill, take them during the day for headache, indigestion, nerves and need yet others to fall asleep. Everything from the common cold to depression to cancer is treated with the proper pills. We hack at the twigs and branches of the diseases while the roots remain intact.

It was direct visual contact that provided us with the detailed descriptions of a radiant, pulsating, biological energy field. It used to be said that "seeing is believing". Modern man, however, mistrusts his senses to such an extent that unless some mechanical apparatus can provide objective proof of the validity of a subjective observation, it simply does not exist for him. It is conveniently explained away as being a personal bias, as an entoptic illusion or just bad seeing.

Wilhelm Reich, in the late 1940's, began to take pictures of the phenomena that he had subjectively felt and discovered. He captured, on one of his photographs, the *orgone energy field* between the palms of the hands. "It was produced by letting an X-ray beam pass through an excited OR energy field. It shows a wavy pattern in the darkening of the

emission, as if matter of small uneven density had been placed between the palms. Also, at the tips of the fingers and between them, radially proceeding patterns can easily be distinguished." [6]

He also constructed, at this stage of his research, an *OR energy field meter*. While biologists like Burr and Raitz claimed that the existence of an energy field around living cells and organisms was well-documented and that this energy was electromagnetic in nature; Reich knew better. "In orgone physics, however, we contend that this field has nothing to do with electromagnetism and is in reality an orgone energy field, i.e., a field of specific biological energy. It functions at-a-distance without the need for material contact between the body surfaces of the organisms. My own experiments with the oscillograph and the recently constructed orgone energy field meter have shown not only that such an energy field exists but also that its area of radiation varies considerably from individual to individual, from as little as a few centimeters to as much as four meters (according to observations made up to now). It also varies with any given organism, i.e., it expands and contracts. These functions of the energy field are dependent upon the emotional state of the organism." [7]

More recently, the Russian technicians, Semyon and Valentina Kirlian, invented a mode of photography which reveals the intricacies of the orgone energy emanations in all their beauty and color. Briefly, the Kirlian method can be described as: "Photography with high frequency electrical fields which involves a specially constructed high frequency spark generator or oscillator that generates 75,000 to 200,000 electrical oscillations per second. The generator can be connected to various clamps, plates, optical instruments, microscopes or electron microscopes. The object to be investigated (finger, leaf, etc.) is inserted between the clamps along with photo paper. The generator is switched on and a high frequency field is created between the clamps which apparently causes the objects to radiate some sort of bio-luminescence onto the photo paper." [8]

It is interesting to note that Dr. Reich, during his experiments with atmospheric orgone energy, found some peculiar interactions between electromagnetic and orgone energy. Orgone energy is excited by electromagnetism. One result of this excitation was usually luminescence. Of course, the mechanistic scientist, who seeks above all else to maintain his aloof, objective peace of mind, prattles that what is demonstrated by *Kirlian photography* is nothing but "the cold emission of electrons". Many American scientists have already written Kirlian photography off as constituting a commonplace electrical phenomenon.

Kirlian photography has shown that, "Using a high magnification system, one sees discharge channels arranged on the background configuration of the skin and they exhibit a variety of energy emission characteristics. They may be point-like, crown-like, flare-like, or clot-like. They may have different coloring such as sky blue, various shades of lilac or yellow, and they may be bright or faded. Some of the channels glow constantly, some are twinkling, some flare up periodically, some are stationary, and some are moving, changing always from place to place. In certain sections of the skin, one sees immobile flare-up points which exhibit a definite rhythm and are light blue or golden in color....."

Some clots are continually spilled out from one point of the skin onto another where they are absorbed." [9]

Now compare the picture rendered by an apparatus with Dr. Kilner's eyewitness account: "Very shortly after the commencement of our observations, rays or streams, or patches of brightness were noticed emanating from various parts of the body. These projections often appear suddenly, then as quickly vanish, while others may remain visible during the whole time of our inspection. The ordinary manner of their occurrence is for one part of the aura to become brighter and generally more dense. Commonly rays are colorless, but they may be tinged with different hues. They may be divided into three groups: 1st. Rays appearing in and surrounded by the aura itself, being entirely separated from the body. 2nd. Rays proceeding from one part of the body to another. 3rd. Rays projected straight out from the body into space." [10]

One view undoubtedly confirms the reality of the other. If the individual is not completely blind then the tie-in of acupuncture is clearly evident. What else but major acupuncture points are these "immobile flare-up points" on the skin? The Russians, who might lag behind us in the exploration of outer space but who are apparently far ahead of us in the realm of inner space, have invented the "bio-meter" which locates intense energy points on the surface of the organism. "By careful study of the location of the major flare points on the body, the Soviets have shown them to correspond to the active points marked on the Chinese maps of acupuncture points." [11]

Acupuncture is not a pseudo-medical practice which was concocted by some Eastern shaman nor is it what the "sophisticated" Western physician would like to believe it is, i.e., a psychological placebo. What Mrs. Garrett sees with the unaided eye and what Dr. Kilner viewed through special lenses does exist. The *orgone energy field* is an integral part of every living organism on the face of our Earth (a planet, by the way, which is itself suspended within an orgone energy envelope) from the tiniest protozoan to an individual human cell to the ageless Sequoia tree in the lush forests of northern California. A thorough knowledge of the properties and functions of the orgone energy (= life energy) will do no less than usher in the *cosmic age* of humanity;

What the electronic technique of Kirlian photography makes visible is not an *electrical* phenomenon. Although the effects are excited through the medium of high frequency electrical currents, they cannot be grasped with concepts like the "cold emission of electrons". This amounts to glib technical jargon and is once again a graphic example of "the basic evasion of the essential". Anyone who is fully conversant with orgone energy dynamics would have to agree that in the case of the mechanistic scientist: "Most attempts to describe what is actually being measured by Kirlian photography have had to confine themselves to the level of effect, since we have no clear, conceptual basis yet for discerning their cause." [12] These oracles of empirical wisdom will, sooner or later, have to recognize the fact that such a "conceptual basis" is already extant in the findings of *ergonomy*, the science of the orgone energy. Let us conclude this comparison of ancient acupuncture, the clairvoyant's aura, Dr. Kilner's 'human atmosphere' and the Kirlian photographic energy manifestations.

It can be stated, without fear of exaggeration, that a reversal of the present disastrous trends hinges on the acknowledgment and subsequent practical use of orgone energy. Dr. Kliner's insights and Kirlian photography can be likened to a single block in the enormous structure of the great pyramid of Cheops as regards their contribution to the knowledge of life energy. Paracelsus, Mesmer, von Reichenbach and others who "theorized" and "postulated" forces variously termed 'vital force', 'universal force', 'odic force', etc. might together have provided enough material to lay yet another block. The entire foundation and much of the superstructure, though, was built single-handedly and with little or no reliance on the work of the men just mentioned by the prodigious efforts of Wilhelm Reich. This scientist, who was, in my opinion, the most profound ever to have walked the Earth must be recognized as the discoverer of the primordial, cosmic energy which he called *orgone energy*. It was he who, true to the scientific method, demonstrated the energy visually, thermally, mechanically and by means of the electroscope. Orgone energy has absolutely nothing to do with philosophy. It is neither a speculation nor a theory.

Former astronaut Edgar D. Mitchell states emphatically, "Only when man sees his fundamental unity with the processes of nature and the functioning of the universe—as I so vividly saw it from the Apollo spacecraft—will the old ways of thinking and behaving disappear." [13] He goes on to warn: "If we continue without change and growth in our basic thinking and behaving, we will, despite spectacular technological feats, eventually end the evolutionary experiment known as man. Our planetary situation becomes more desperate daily." [14] You be the judge as to whether this is the voice of just another 'prophet of gloom and doom'.

The brutal, gore-splattered page of history that is the twentieth century to this point seriously questions the very *sanity* of "homonormalis". The winds of chaos have blown us in the direction of self-destruction long enough. There is an urgent need to wrest the rudder of our endangered vessel from the ice cold grips of our mechanistic helmsmen. When we have done so, we will no longer be content to ease into a calm bay for the moment while the gale yet rages on. No, we'll come to realize, finally, that only a strenuous, courageous effort to tack wind against the storm will bring us to a safe haven. Once the passage has begun many will threaten to mutiny and still more will launch deathboats and ride the prevailing currents rather than seek change. Perhaps, though, enough people will come to know about their origin in the cosmic orgone energy ocean. Then they will learn that they don't tick, as the machine-oriented would like to think, but rather that they rhythmically pulsate and therefore should begin to move in harmony with nature inside and outside themselves.

I think that we have clearly seen the energy connections between them. Whether it was natural philosophy and its practical applications, or subjective perception, or objective visualization by a mechanical device; all have, each in their own way, confirmed the same reality. Scientists make a big ado about how they bow and worship before the altar of reason. Well, then, reason would have to tell them that these insights gained by every conceivable mode of cognition available to the human being must have a factual basis. If we should opt to continue to deny or squelch these crucial findings, we cater to the irrational.

One can't run a motor on "Ch'i", Prana or entelechy. You can run a motor with *orgone energy*; The implications and applications of orgone energy, in all areas of life, are too vast to be enumerated here. This fact will become crystal clear in the following chapters.

Mankind has been catapulted within the past fifty years, in the realm of the mechanics of living, from the industrial to the cybernetic age. Yet, despite this technological advance, mankind has failed to come to terms with itself. If we are ever to reach the age of full human potential, the cosmic age, then it is about time that we take the Greek dictum: 'Know Thyself' seriously. There are those who argue that we already know human nature all too well. To try to change ourselves is futile! The die has been cast. As it was in the beginning, so shall it be in the end. Such opinions, if we reflect on past history, are not merely pessimistic but if they are true then the chances of the survival of humanity dwindle to nil. Dr. Jean Houston observes: "Man unfolding, man emerging, man gaining access to the great latent powers of his body-mind-psyche: this must be the new image of man if we are to survive our time. Not man as something that has to be surpassed, not man the dotched experiment, not man so hopeless that only psycho-pharmacology, behavioral conditioning, or genetic engineering can give him a structure capable of redeeming his baser nature, but man who already has the potentials to become fully human... This is the paradigm of the possible humanity, the image that I believe can energize man to accomplish his transformation and so become the deserving trustee of his own evolution on this earth." [15]

R E F E R E N C E S

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 - [12] Ibid, p. 185
 - [13] Edgar D. Mitchell, PSYCHIC EXPLORATION
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 - [15] Ibid, p. 595
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(New York: Farrar, Straus and Giroux, 1973) pp 280-281

The functions, principles and facts of the primordial orgone energy are quoted and taken directly from the original source material, i.e., Reich's printed volumes. I have provided numerous illustrations which I hope will make some of the written material more graphic and tangible. I guess it could be said that what some readers will be introduced to is an alternate reality! To some it may even seem incredible. Let us recall to mind, however, the historical case of the explorer of a new reality, Columbus and his crew of parochial men. These sailors all had faith in angels, heaven and hell and were indoctrinated to believe that the Earth was flat. They surely thought at times during their long, arduous journey that the so-called 'new world' was merely a product of their captain's overwrought imagination. Their voyage was revolutionary and so is ours. For them the Earth changed from a flat plane into a round sphere, and for us, "It must be decided whether nature is an empty

Reich was a dedicated scientist and a prolific writer. He wrote, besides the dozen or more books that are currently being made available to the general public, countless articles and technical reports. Even today, more than twenty years after his tragic death, thousands of pages of scientific notes, which were originally written in German, remain untranslated. Let me emphasize, however, that the fundamental principles of orgonomy, with which I personally worked in Project Ocular Cloud-burst, are readily available in the texts that are at present being published. What I have provided in this chapter is an introduction to those aspects of orgonomy that relate most specifically and directly to the topic that will be discussed in the following chapters. I have, for instance, not included a description of *bion* research or orgone therapy. These are integral parts of the science but a comprehension of them is not needed for the reader to be able to understand the project.

It is beyond the scope of this book to offer the reader a complete outline of orgonomy. Wilhelm Reich's re-search of nature was so many-faceted that any effort to provide a concise summary is futile. The investigations of and the experiments with biological orgone energy led him from psychiatry to medicine to biology. Then the discovery of atmospheric orgone energy brought him into the fields of physics, meteorology and astrophysics. Each discipline that he touched became revitalized.

"Whoever looks back on the development of human society a thousand or five thousand years from now will very likely find the crucial turning point of human orientation in our own time, the twentieth century... What has dictated the life forms of the human animal today and in the past six millennia will be a matter of historical criticism. For if it is correct that the mechanistic and the mystical life philosophies have each in their own way, attacked the living element in the human animal, if it is correct furthermore that mechanistics and mysticism derived their methods of thinking from the negation of life, it must be equally correct that their collapse will be brought about by the discovery of the life process." - W. Reich

A FUNCTIONAL APPROACH TO THE WORLD

The eminent physicist, A. Eddington, states, in his book "The Running Down of the Universe", that "Entropy continually increases. We can, by isolating parts of the world and postulating rather idealized conditions

"heat-death". In other words, the universe will sooner or later succumb to a another. It is distributed so that no part of the universe is warmer than when there is no energy but 'heat energy', 'heat energy', that is very evenly distributed so that no part of the universe is warmer than energy'. Therefore, some time in the distant future there will be a time chemical energy of foods, etc. are all being steadily changed into 'heat radiant energy of stars, the mechanical energy of planetary motions, the implications of it are indeed ominous. It means no less than that the Let us follow this law to its ultimate conclusion. The long range

is the law of entropy, i.e., the second law of thermodynamics. 'heat energy' and is not available for any further transformations. This mechanical potential, some of the generated energy is always changed into therefore, that in every energy transformation that is governed by the friction in the conduction wires of the batteries. We observe, Energy is directly radiated by the heated rods while heat is produced by that energy at a high level has flowed down to a lower level. Also, and significantly, some heat energy has been lost to the surroundings. rods. What is clearly evident in both of these instances is the fact the batteries. This process is the same in the case of hot and cold dead battery. Eventually the amount of charge becomes equal in both of respective plates of a discharged battery, energy is transferred to the charge. When one connects its positive and negative plates to the thermodynamics. An operative simple cell battery has a high electrical dissipation of energy which is known to scientists as the second law of Electrical and thermal energies are subject to the law of the

THE ORGONOMIC POTENTIAL

If the interest and curiosity of my audience becomes sufficiently aroused, then they will certainly want to and will easily be able to avail themselves of Reich's original writings. My personal responsibility is aptly expressed in the words of the venerable Norwegian organomist, Ola Raknes. He declared, "It has become the task of those who know and understood his (Reich's) discovery to take up the study of the orgone energy, its properties, laws, its use in different spheres, and how its discovery may contribute to our understanding of the world we live in." [2]

I must caution the reader that I am very hesitant to, and indeed I will not, offer this synopsis of the functional dynamics and principles of orgone energy by means of the 'normal', neat, narrow categories and definitions so commonly invoked by orthodox science. Reich, during his re-search of nature, became increasingly aware that all things, whether plant or animal, organic or inorganic, were interconnected. He realized that the discovery of the primordial life energy meant that we were literally members of a UNI-verse.

obeys a generally valid law of nature." [1]

space with a few widely scattered specks, or whether it is a space full of cosmic, primordial energy, a continuum that functions dynamically and

in our problems, arrest the increase, but we cannot turn it into decrease... The law of entropy always increases. This Second Law of Thermodynamics holds, I think, the supreme position among the laws of nature... If your theory is found to be against the Second Law of Thermodynamics I can give you no hope; there is nothing for it but to collapse in deepest humiliation." Further on in his book, he nevertheless ponders, "Is there no counter-process by which radiation collects in space, evolves into electrons and protons, and begins star-building all over again?"

Oronomy answers: "We must comprehend the living organism as an organized part of the cosmic orgone ocean, which possesses special qualities called "living"; we fail to understand this organism *bio-energetically* if we adhere to the mechanical energy potential. This mechanical potential, be it thermal, electrical or mechanical motion, is always directed from the higher to the lower, or from the stronger to the weaker system, and never vice versa. On the other hand, the living organism would not only be able to keep up a much higher energy level as compared with the environment; it would also lose its heat, its motility, its energy into the surrounding, energetically lower environment in a very short time. And the question would remain unanswered how it came about that such an organism could come into being in the first place. We cannot get around the fact that there is in nature another energy function, our so-called *reversed, orgonomic potential*: orgone energy flows from the weaker or lower to the stronger or higher system.

The orgonomic potential does not contradict the old mechanical potential. In fact it explains how it is possible that a higher energy level can exist at all. It is true that, in accepting this function, the "second law of thermodynamics", the absolute formulation of the law of entropy, becomes invalid. We know that many physicists feel uncomfortable with this law anyhow. And we have had to abandon many other such beliefs of absolute nature, e.g., the conservation of matter or the changeability of chemical elements." [3]

"Can the basic law of the conservation of energy be reconciled with the existence of an orgonomic potential? It probably can. A first tentative suggestion to this effect is offered in the following assumption: While some orgone units are forming in the orgone ocean by concentration, others terminate their single existence by energy dissipation into the orgone ocean. Thus energy lost by discharge or "deaths" of a number of orgone units would be picked up again to be concentrated in other units. The "running-down of the universe" toward random functions would in this way be counteracted by new births of high energy potentials due to reversed concentration (= 'creation'). The orgonomic (reversed) potential would make entropy unnecessary." [4]

The *basic functioning principle* (BFP) of orgone energy, the orgonomic potential, cannot be overemphasized. Just as one remains illiterate without a knowledge of the alphabet; so one fails to read nature without an understanding of this basic function.

Orgone energy is, without qualifications, a ubiquitous, all-pervasive continuum. As such, there exist certain fundamental interactions between orgone energy and matter. Thus it can be stated that:

- 1.) Organic material of every kind attracts orgone energy and absorbs it.
 - 2.) Metallic material, especially iron, attracts orgone energy but then quickly repels it again.
 - 3.) The attraction between water (H2O) and orgone energy is greater than between other elements and orgone energy. Water not only attracts orgone energy speedily but also holds it.
- "Reich repeatedly stressed how water has a "hunger" for orgone, i.e., water seeks orgone. We are now informed by the bio-meteorological scientists, a.) water has an unusual and very sensitive structure (especially sensitive to electromagnetic fields) and (b.) that it is probably through water in organisms of all sizes up to man that they are sensitive to extremely delicate cosmic influences. Thus, "space and cosmic forces affect us through the intermediary of water", claims bio-meteorologist Gauguelin. And its structure is especially unstable and easily influenced at a temperature between 81 degrees (F) and 108 degrees (F), that is, the range of bodily temperatures. This may confirm the great stress Reich placed on water as an attractor for biological energies." [5]
- The organism constantly attracts and absorbs energy from the orgone energy ocean. "Orgone energy is present "everywhere", and it forms an *uninterrupted continuum*. This continuum varies in different places with regard to its "denseness" or "concentration". We are still using these mechanical terms borrowed from the physics of matter although orgone energy is not of a material nature. Therefore we must be prepared to replace these terms with others that are more fitting to describe the functions of orgone energy. Orgone penetrates all space, including space occupied by solid matter." [6]
- If we were to substitute air for orgone energy and lungs for the total organism, we would soon enough become aware of the fact that absorption or rather inhalation cannot go on indefinitely. There comes a point when the lungs are full and we must exhale. Breathing is accomplished by a rhythmic alternation between inhalation and exhalation. There is a *charge phase* and a *discharge phase*. In the living body, respiration, heart beat and blood circulation, digestion, etc., etc., function in accordance with the *orgone energy metabolism* of charge and discharge.
- "The orgonomic concept of energy functions in the living organism as it emerged from observation and deduction is the following:
- 1.) The living organism, as the stronger energy system, draws energy from the lower energy level: *orgonomic potential*. This is valid not only for the organism as a whole, but for the nucleus in each living cell, which draws energy from the surrounding energetically lower protoplasm.
 - 2.) Each type or species of organism possesses its specific energy level; it has a special "orgonomic capacity". Otherwise, the living organism would not stop accumulating energy and would burst or grow indefinitely.
 - 3.) All surplus of energy is discharged according to the mechanical potential in mechanical movement, orgastic convulsions, heat, etc.

LIVING ORGONOTIC SYSTEMS

4.) There exists, accordingly, an orgone energy metabolism, a continuous exchange of energy in the cohesive unit called organism. To summarize its main functions: maintenance of a certain capacity level by means of *charging* from the surrounding orgone energy ocean and from foodstuffs, and by energy *discharge* into the surrounding energy ocean. The lower the capacity level, the weaker the capacity for charge, as in the shrinking biopathy (= cancer). In the dying organism, the capacity to charge and to maintain the level of functioning is slowly lost. The capacity level sinks until it reaches the level of the surrounding orgone ocean. In the putrefaction process after death, the opposite of what went on during original growth occurs. The material tissues lose their cohesion due to loss of orgone energy; they fall apart; finally the unit disintegrates." [7]

The philosopher Descartes wrote, "The universe is a machine in which everything happens by figure and motion." Therefore the human being, who is a part of this universe, can be explained in terms of mechanics and chemistry. This particular Weltanschauung still holds sway over the mind of contemporary man; it was and is the mechanistic viewpoint. The physiology of the organism is thus described as follows:

The lungs are the bellows that keep the fire of metabolism ablaze. The inspiration stroke pulls in the chemical element, oxygen, which then percolates into the blood stream via the capillaries. The expiration stroke extracts the by-product of the body's internal combustion process, (CO₂), and propels it out into the atmosphere. The heart is the pump that circulates the blood. The contraction phase of this muscle-pump pushes the blood into the tubular conduits called arteries. The expansion phase converts the heart into a suction pump which sucks the blood into the conduits called veins. The former conduits supply nutrients; the latter carry away waste material. The brain is the control center. It is the complex computer that regulates and stimulates every process whether that be the pulse rate or the secretion of a single hormone. The nerves of the spinal cord serve as the transmission wires for the commands from the brain.

Granted, this example is simplistic but the basic ingredients of mechanism are present. Those ingredients are:

- a.) The reduction of all phenomena to a machine model.
- b.) The dissection of the organism into separate, isolated parts which somehow interact.
- c.) The notion that the whole is the sum of its physical and chemical parts.
- d.) The need to set up a hierarchy of the organs, that is, the brain is the director of organic functions.

The living organism, and no less the universe, can never be understood within such a mechanistic framework. The physiologist, Claude Bernard, knew that these concepts inevitably lead to a dead end. However, caught in the trap of mechanistic orientation, he morosely declared, "The truth is that the nature or very essence of the simplest mineral phenomenon is

The nucleus is energetically stronger than the cell plasm. All essential biological processes and functions begin in the nucleus and then spread to the plasm. For instance, cell division begins with the division of the nucleus, which is followed by the division of the plasm.

"In the organism, every cell, with its nucleus, its plasm and its orgone energy field, forms a complete *orgonotic system*. Since every cell contains orgone energy, its structure must be connected to its orgone charge. It is difficult to guess what this connection is: The nucleus is the most important component of the cell and contains the most energy. Cell plasm without a nucleus is not capable of life; but cells can live very well with only minimal cell plasm, as do sperm cells, for example. The nucleus must therefore be regarded as the "vegetative center" of the individual cell, just as the autonomous nervous system forms the "biological core" or the "vegetative center" of the total organism. The cell nucleus, and the autonomous nervous system, represent the most concentrated and substantial apparatus in their respective orgonotic systems, the cell and the total organism.

The science of orgonomy has been established on a solid foundation. This foundation is the demonstrable fact that nature is indeed functional and not mechanical. What exactly does *functional* mean? I think that a comparison between the mechanical and functional approach to the living organism will provide us with a basic orientation. Keep in mind the 'living machine model' which was described earlier while you read Reich's analysis of that organism in miniature, the cell.

The picture that Bernard painted over one hundred years ago is correct in every detail except for the despondent image of the ever elusive truth. It is an image that is seen by anyone who has been forced to look through the distorted lenses of mechanistic science. Our vision will remain impaired and the nature of nature will continue to elude us until we come to recognize that, "Mechanistic science is correct in the realm of inorganic nature and technological civilization. It leaves us in the lurch if we are to comprehend the perceiving live organism and the act of natural research in the realm of biopsychic processes. Orgone research has left no doubt that mechanistic natural research has failed not only in the biopsychic realm but also in all other realms of nature where a common denominator of natural processes had to be found. For, as we said, nature is functional in all areas, and not only in those of organic matter. Of course there are mechanical laws, but the mechanics of nature are in themselves a special variant of functional processes of nature." [9]

but study takes from us, little by little, the chimerical conceits." [8]

as completely unknown to chemists and physicists today as is the essence of intellectual phenomena or any other vital phenomenon to physiologists. That, moreover, is easy to comprehend. Knowledge of the most nature or the absolute, in the slightest phenomenon would demand knowledge of the whole universe; for every phenomenon of the universe is evidently a sort of radiation from that universe to whose harmony it contributes. In living bodies absolute truth would be still harder to attain; because, besides implying knowledge of the universe outside the living body, it would also demand complete knowledge of the organism which is a little world (= microcosm) in the great universe (= macrocosm). Our feelings lead us first to believe that absolute truth must lie within our realm; but study takes from us, little by little, the chimerical conceits." [8]

Amoebae, in the process of division, often live for several hours with a divided nucleus, i.e., with two nuclei before the body divides into two amoebae.

Great credit must be given to the German biologist, R. Hertwig, for having been the first scientist to investigate and formulate the relation of the nucleus to the plasma in his famous "nucleus-plasma relation". It had been known for some time that most cells are a certain size when they divide, varying only within certain limits. Following division, the daughter cell grows to the same size as the parent cell just before it divides. The relation of the nucleus to the plasma immediately after division is regarded in classical biology as the normal nucleus-plasma relation. According to Popoff, a young cell just produced by division grows at a fixed rate, the nucleus growing less rapidly than the plasma. Then, suddenly, immediately before division, the growth of the nucleus accelerates rapidly until, like the plasma, it has nearly doubled its original size. The retardation in the speed of growth of the nucleus after division of a cell results in a shift in the nucleus-plasma relation in favor of the plasma. There is more plasma than nucleus. This disproportion creates a tension in the cell that causes the nucleus to grow and overcome the gap created by the growth of the plasma, thus restoring the normal nucleus-plasma relation. Hertwig assumed that this tension in the cell not only initiates the growth of the nucleus but also stimulates the cell division. On the basis of our orgasm formula (= life formula) we can say further that immediately preceding division, the cell is under more mechanical tension and is more charged energetically than immediately after division, when it is smaller. Before division, the nucleus-plasma relation shifts in favor of the more highly charged nucleus because the nucleus is stronger organotically than the plasma. Because the relation of the mass of the nucleus to the mass of the plasma remains the same, organotic nucleus-plasma relation must shift considerably in favor of the nucleus. The relatively high tension and charge of the nucleus at the peak of its size now induces division. As we know, division itself follows the tension-charge formula and leads to the discharge by way of division, and relaxation in the form of daughter cells.

Can Hertwig's nucleus-plasma relation be expressed in terms of orgone biophysics?

It is possible. The nucleus is the strongest, i.e., the most orgone-rich system in the cell. The cell plasma is organotically the weaker system. This means that there is a difference between the orgone charge of the nucleus and that of the plasma, a fact that can be confirmed microscopically. The nucleus shows all the organotic characteristics more intensely than does the plasma. It radiates more strongly than the plasma and has an intense blue color. Surrounding the cell is an orgone energy field which may be designated as the orgone-weakest part of the total organotic system of the cell. It is a basic law of orgone physics (in contrast to electrophysics and mechanics) that the stronger orgone energy system draws off energy from the weaker system and attracts it. This finding is crucial; it illuminates at once important questions that have been hitherto unsolved:

1.) What holds the cell together?

2.) How is it possible that the nucleus-plasma relation always remains approximately the same (except during the period of division), i.e., that the nucleus is always organotically stronger than the plasma?