

Abstract

The Bioenergy Fields Foundation is created to research the fields of energy radiating from the body surface which are attributed to the electrical nature of living cells. The approach of the Bioenergy Fields Laboratory (BFL) differs from prior physiological research dealing with electrical activity of nerves and muscles, but is in line with discoveries from atomic physics that all structure has electrical qualities at the primary level of analysis.

The growing emphasis on therapeutic use of electromagnetic energy to hasten the healing of horses, to alleviate pain and improve enzyme and vascular activities, attests to the electrical nature of cells. There is increased evidence that electrical field changes at the cellular level occur before structural physiological changes. When constructive changes occur on the cellular level the structural regeneration on the tissue level follows.

Despite these facts, the only method of evaluating the energy field changes has been by visual inspection of colored screens with light filters, by photographic representation, or a gross quantity measurement by radionics instruments.

The Director of BFL, Dr. Valerie Hunt, over a 20 year period using telemetry EMG equipment, has analyzed a resting baseline of bioelectric activity formerly thought to be spurious, unimportant information. When these signals were processed by Fourier Analysis and Spectrograms, rich information patterns of frequency ranges and spectra, wave trains and amplitudes were found. These were unique for each person, and reacted to such things as pain, emotions, and disease symptomology.

Currently, no electronic instruments are available to adequately measure the complex electrical patterns of the human energy field. However, the state-of-the-art in electronics today is adequate to intercept, record and analyze such low voltage high frequency biological signals. New fractal mathematics, chaos graphics, and algorithmic formulas also are available to describe these dynamic non-periodic, continuous, bioelectric field vibrations.

The Bioenergy Fields Laboratory (BFL) has already developed, tested and owns an engineering prototype of an instrument capable of intercepting and recording an energy field up to 200KHz from the body surface. From this prototype, electronics components can be upgraded and an instrument fabricated for commercial development. This includes testing, use procedures, data parameters and

interpretations with both computer programs and graphics displays. This portable Bioenergy Field Monitoring System (BFMS), reasonable priced in a range of \$10,000, could be produced commercially for hospitals, research laboratories and universities, and for medical, psychological and nutritional office. By-products such as improved electrode gel with increased sensitivity and new fiber optic cables lower resistance and reduced noise, will be forthcoming. This research also shows promise for generating a new domain of scientific instruments to be used in medicine for diagnoses and protective health exams, drug overdoses, allergies, improved prescriptions of drugs, for the study of physiological functioning (digestion and assimilation), for rapid diagnosis of emotional states in stress, psychopathology, and altered states, and in communication by energy field thought vibrations.

1. Medicine:
 - a. Protective health examinations
 - b. Medication prescriptions

2. Psychology:
 - a. Emotion and stress
 - b. Altered states of consciousness

3. Physiology
 - a. Digestion and assimilation
 - b. Food and drug reactions
 - c. Environmental contamination

4. Behavior
 - a. Interactive transaction and response
 - b. Communication

The BFMS is based upon a wide variety of scientific studies about evaluation of the electromagnetic field, the cell as an electrical generator and electromagnetic energy in healing.

The BFMS will have no immediate, direct competition. Evaluation instruments such as CAT, PIP, and NMR scanners are very expensive and measure a more gross aspect of tissue change by shape and anatomic location. These scanners give little information about the functional disturbances and diseases which constitute the bulk of medical practices. These cannot show the disturbed field before structural changes occur.

From a patent search, there are no patented instruments of similar design of Bioenergy Fields prototype and none claiming to measure the body's electromagnetic field.

The projected commercial market for BFMS in the USA is based upon actual figures of the number of persons in medicine, osteopathy, chiropractic, psychology and psychiatry and the ancillary therapies of occupational and physical therapy, nursing and nutrition; and the number of universities, hospitals, and health clinics. Using a proportion of these figures, an estimated sales figure for the USA and the world was obtained (see page 37).

The Board of Directors of BFL anticipates joint manufacturing ventures with outstanding electromedical equipment companies providing a royalty return.

Ideal laboratory facilities are available. A highly trained key research staff has been selected with advanced academic degrees in mathematics, engineering, physics, physiology, psychology, and computer science. This staff will be aided by an internationally recognized group of professional leaders on a Scientific Advisory Council and outstanding consultants chosen for their unique expertise.

The basis of this proposal is the development of a hardware prototype and software computer processes. This requires collection of BFF data and analyses by cross-plot, frequency pattern and fractal mathematics with graphic displays of the chaos and complexity dimensions. Based upon prior patent searches, the prototype patents are attainable.