

Reviews

BIOSTRUCTURES AND RADIATION ORDER DISORDER

Professor France Bistolfi (Edizioni Minerva Medica S.p.A., Corso Bramante 83/85, Torino, Italy 101 26 ISBN 88-7711-134-8).

Reviewed by Dr. Jerry Jacobson

Professor Franco Bistolfi has written a book which is perfectly timed in history. During the past decade, there has been an explosion of interest in the effects of *nonionizing radiation* (NIR) on biological systems. NIR's have been shown to regenerate nerves, promote soft tissue healing, induce osteochondrogenesis, enhance DNA synthesis, increase transcription and translation and stimulate neurotransmitter intensification. I think Bistolfi has rightly looked at the data and concluded that there is a new avenue of inquiry that must be followed. This vision incorporates explanatory mechanisms of biophysics as well as biochemistry. Bistolfi has produced a didactic, creative, critically important compendium of information from a majority of thinkers who have contributed in this area. He gives us a view of the human body which manifests a universe of electrical and magnetic interactions concomitant with the grosser biochemical changes. We look at subatomic vicissitudes in terms of fundamental physical phenomena as mechanical electromagnetic photon/phonon transductions lead a *bioconductive connective system* (BCS) which is piezoelectric in nature. Various elements of the BCS such as cytoskeletal structures, keratin filaments of desmosomes (intercellular cohesion) and collagen fibers of the extracellular matrix serve as dissipative structures and are morphological expressions of a large and unitary cooperative system for coherent communications. In point of fact, the protein matrix of enzymes is today considered not only a mechanical mediator between active and medium site, but also a structure capable of directing anisotropically the isotropic energy of medium. This notion melds with Frolich's theory of coherent excitations and is as well in perfect accord with the hydrogen harps model of Bistolfi. In this, he gives a vision of hydrogen bonds seen as strings in a harp and correlates molecular vibrational frequencies with a song of life. This concept is brilliant as well as beautiful.

Franco Bistolfi discusses various critical issues such as the biophysical structure of DNA, electronic and protonic bioplasma, proton tunnelling and tautomerism, biological superconduction, diamagnetic, paramagnetic and ferromagnetic properties of biostructures and radiation order/disorder. He draws a clear distinction between physical order/disorder and biological order/disorder that is applicable to radiation oncology. He discusses the importance of understanding intracellular and intercellular communication.

It appears to me that Professor Bistolfi has a primary focus of concern, and it is to examine the possibility of utilizing exogenously sourced radiation to create physical order in various magneto targets which might produce clinical order in tumoural processes. Professor Bistolfi says, "The clinical fall-out of all this can be appreciated as a greater knowledge of the therapeutic effects of ELF (extremely low frequency) fields, RF (radio frequency), and MV (microwaves), laser beams and US (ultrasound)."

My impression of this book can be summed up in these words, Professor Bistolfi has given us a tool from which to learn and through which investigators will be motivated to explore therapeutic possibilities in radiation oncology that I believe will bear wondrous fruit.

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BIOENERGY: A HEALING ART [FILM]

P.F. Walsh, Producer & Director & D. Boyd, Associate Producer (New World Media Alliance, New York, N.Y., 1992). \$29.95 Individual, \$125.00 Institutional & professional use.

Reviewed by Patricia A. Norris, Ph.D.

Watching this film is a deeply satisfying experience for all with an interest in human energy systems, and their function in healing and restoration. This is an important film, a first in looking in depth at bioenergy in healing, from a treatment perspective, from the perspective of students and clients, and also from the scientific perspectives of brain mapping and measurement of electrostatic and electromagnetic fields generated by the healing process.

Bioenergy healing is recognized and practiced in many countries, from the physician-healer network in Great Britain to practitioners in every continent of the world. The healer featured in this film, Mietek Wirkus, worked professionally in hospitals hand in hand with physicians in his native Poland before coming to this country. New scientific understanding is giving this work greater acceptance, which will not only expand our medical practice, but also give us greater understanding of ourselves and our human capacities.

Walsh has done a masterful job of weaving together the examples of healing with the laboratory studies and scientific commentary. Clients include both children and adults, representing a range of problems: a child with a seizure disorder; an infant with a congenital vision disorder who was expected never to see, an infant treated while undergoing multiple heart surgeries; and a woman with complications of pregnancy. In addition, two laboratory studies were conducted. Elmer Green, Ph.D. measured the energy field on Mietek Wirkus while he was working with a young woman with post-traumatic dizziness, and Steven Fahrion, Ph.D. measured brain rhythm synchrony between the practitioner and a client with post-surgical abdominal pain. Interviews are conducted with Mietek's students who are learning and applying the bioenergy techniques, and with Robert Becker, M.D. and Elmer Green, Ph.D. who provide medical and psychophysical rationales, and philosophical and conceptual background for understanding the phenomena.

The production is thoughtful, beautifully filmed, gentle and loving, and at the same time is high impact, dramatic, exciting, expansive, mind-stretching. Perhaps the best synopsis can be made by quoting Mietek Wirkus from the film. Describing his use of bioenergy in healing, he says: "It is like jump-starting a battery. . ." The film is like a jump-start for the viewer — a jump-start to integrating existential experience with scientific understanding.

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