



DELTA LIFE SKILLS_{sm}



EMOTIONAL FREEDOM IS IN YOUR HANDS with REB_{sm}

Integral Energy Psychology

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**PART ONE: THE RADIANT ENERGIES BALANCE (REB)_{sm}
PROTOCOL: PHILOSOPHY/RESEARCH/THEORY BACKGROUND©**

Section:

13.10. THE BODY AS LIQUID CRYSTALS AND QUANTUM HOLOGRAPHIC BODY

In 1984, A. Antonovsky wrote an article titled "The sense of coherence as a determinant of health." Mae-Wan Ho has been researching the quantum holonomic biological aspect of this "sense of coherence" and concludes that "coherence" is the essence of organismic health. It is defined by the numerous properties originating at the quantum level and manifesting at the total organism level. Oschman's book (2000) goes into considerable detail on this topic (see section 11.7.)

"A medical physicist in the United States, Cho Zang-Hee, who pioneered the proton emission tomography (PET) scanner, had his curiosity aroused ..., when he injured his back and found almost instant relief with acupuncture treatment. So he started carrying out experiments with functional magnetic resonance imaging (fMRI) on ...-- volunteer medical students. He flashed a light in front of them and, as expected, the visual cortex of the brain lit up on the fMRI. Then, Cho had an acupuncturist stick a needle into one of the acupoints at the side of the little toe, which are supposed to be connected with the eye. In one person after another, the visual cortex lit up, just as if they had been stimulated with a flash of light. Inserting the needle into a non-acupoint in the big toe had no effect." (Ho 1999, p 1)

"...[A] body consciousness possessing all the hallmarks of consciousness -- sentience, intercommunication and memory -- is distributed throughout the entire body. Brain consciousness associated with the nervous system is embedded in body consciousness and is coupled to it. Under normal, healthy conditions, body and brain consciousness mutually inform and condition each other. The unity of our conscious experience and our state of health depends on the complete coherence of brain and body. Traditional Chinese medicine based on the acupuncture meridian system places the emphasis of health on the coherence of body functions which harmonizes brain *to* body. This makes perfect sense if one recognizes the brain as part of the body. Western medicine, by contrast, has yet no concept of the whole, and is based, at the very outset, on a Cartesian divide between mind and brain, and brain and body. Because there is no concept of the organism as a whole, there is, in effect, no

theory of health, only an infinite number of disease models, each based on the supposed defect of a single molecular species. There is an urgent need to develop a theory of health for proper delivery of healthcare in the next millennium." (Ho 1999, p 8)

"...[T]he key to living organisation is not so much energy flow as energy storage under energy flow. Furthermore, the organism has somehow managed to close the loop of energy storage to become a self-maintaining, self-reproducing life-cycle...The organism is thus a system in which energy is *stored* in a *coherent* form, the energy remaining coherent as it is mobilized throughout the system....Coherent energy,...is stored in a range of space-times in which it remains coherent, and is tied to the characteristic space-times of natural processes....Coherent energy is mobilised within the organism with minimum dissipation, which means it generates minimum entropy. This depends on a *symmetrical coupling* of energy yielding and energy requiring processes within the living system. Symmetrical coupling involves a complete reciprocity, so that the effects of one process on the other are the same, and furthermore, they can reverse roles so the giver of energy becomes the receiver and *vice versa*....as one cycle of activity is running down, it is charging up a second cycle, so that the role can be reversed later. Similarly, as disorder is created in some part of the system, a kind of superorder appears in elsewhere, which can restore order to the first part." (Ho 1999, pp 2-4).

"[T]he organism can be conceived as a quantum superposition of coherent activities, with instantaneous (nonlocal) noiseless intercommunication throughout the system. The flow of qi in meridian theory corresponds rather well to the mobilisation of coherent energy. Coherent energy is vital energy, and it arises because the organism is especially good at capturing energy, storing and mobilising it in a coherent form.... Coherent energy is stored everywhere within the system over the entire range of space-times. Consequently any subtle influence arising anywhere within the system will propagate over the entire system and get amplified to global effects. In other words, the system, by virtue of being full of coherent energy everywhere, will be ultrasensitive to very weak signals. This may be the basis of all forms of subtle energy medicine." (Ho 1999, p 4)

"...[O]rganisms are so dynamically coherent at the molecular level that they *appear* to be crystalline...So long as the motions among the molecules in the cells and tissues are sufficiently coherent, they will appear to be statically ordered, or crystalline, to the light passing through....[T]he living organism is coherent beyond our wildest dreams, with dynamic order that extends from the molecular to the macroscopic."

"There is a dynamic, liquid crystalline continuum of connective tissues and extracellular matrix linking directly into the equally liquid crystalline cytoplasm in the interior of every single cell in the body. Liquid crystallinity gives organisms their characteristic flexibility, exquisite sensitivity and responsiveness, thus optimizing the rapid, noiseless intercommunication that enables the organism to function as a coherent, coordinated whole. In addition, the liquid crystalline continuum provides subtle electrical interconnections which are sensitive to changes in pressure, pH and other physicochemical conditions; in other words, it is also able to register 'tissue memory'. Thus, the liquid crystalline continuum possesses all the qualities of a 'body consciousness' that may indeed be sensitive to all forms of subtle energy medicines including acupuncture." (Ho 1999, p 5)

"...[C]onnective tissues may also be largely responsible for the rapid intercommunication that enables our body to function effectively as a *coherent* whole, and are therefore central to our health and well-being. The clue to the intercommunication function of connective tissues lies in the properties of

collagen, which makes up 70% or more of all the proteins of the connective tissues. Connective tissues, in turn form the bulk of the body of most multicellular animals. Collagen is therefore the most abundant protein in the animal kingdom." ...[C]ollagens ...have dielectric and electrical conductive properties that make them very sensitive to mechanical pressures, pH, and ionic composition and to electromagnetic fields." (Ho 1999, p 5)

"A major factor contributing to the efficiency of intercommunication is the structured, oriented nature of collagen liquid crystalline fibres. Each connective tissue has its characteristic orientation of fibrous structures which are clearly related to the mechanical stresses and strains to which the tissue is subject. This same orientation may also be crucial for intercommunication. Aligned collagen fibres in connective tissues provide oriented channels for electrical intercommunication, and are strongly reminiscent of acupuncture meridians in traditional Chinese medicine.... [A]cupoints typically exhibit 10 to 100-fold lower electrical resistances compared with the surrounding skin, and may therefore correspond to singularities or gaps *between* collagen fibers, or, where collagen fibers are oriented at right angles to the dermal layer." (Ho 1999, p 7)

"...[P]roton jump-conduction is a form of semi-conduction in condensed matter and much faster than conduction of electrical signals by the nerves. Thus the 'ground substance' of the entire body may provide a much better intercommunication system than the nervous system. Indeed, it is possible that one of the functions of the nervous system is to slow down intercommunication through the ground substance." (Ho 1999, p 8)

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