

Bio-physical interaction of scalar energy on cellular mechanisms of living life

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Abstract

Scalar Energy is more field like than wave like and it tends to fill the environment. It is capable of passing through solid object with no loss of intensity. The Scalar Energy once embedded into an object, the energy will remain in the object indefinitely and can regenerate and repair itself indefinitely. The effect of Scalar Energy is cumulative; it gets stronger with time. Scalar Energy is capable of imprinting itself on human DNA and health as well as cellular mechanism of action.

Keywords: Bio-physical interaction, scalar energy, longitudinal waves

1. Introduction

Recent direct experimental data as well as sophisticated computer-enhanced mathematical analyses of pre-existing data has revealed the predominance of nonlinear processes in biological systems [1]. These new findings are a dramatic departure from traditional theories which indicate that biochemical reactions are at or near a state of equilibrium and that cells function in a linear, dispersive and degenerative manner. Electrochemical oscillations between membrane bound lipids near phase transition temperature have been reanalyzed with the aid of powerful computers and shown to be most accurately described by nonlinear quantum mechanical equations [2]. A similar analysis of coupling between harmonic oscillators represented by action potentials generated from active neuronal networks in the central nervous system has revealed their non-linear nature [3]. Several types of quasi-particles, each with their own characteristic resonant frequencies have been proposed to mediate these non-linear phenomenons, including solitons, excitons and plasmons.

Biological solutions have received the most attention and have been postulated to be carriers of biological information along macromolecules like DNA [4] and alpha-helical intramembrane proteins involved with signal transduction mechanisms [5]. Furthermore, solitons have been postulated to mediate the coherent electronic excitations associated with the action of ultra-violet and visible light on biological systems [6] and the calcium dependent cooperative interactions between extracellular glycoprotein's on the surface of the plasma membrane in response to weak ELF electromagnetic (EM) radiation [5].

In light of the nonlinear nature of biological systems, it seems likely that they should be highly sensitive to nonlinear forms of acoustic and electromagnetic radiation in the environment and that the right frequencies of nonlinear energies might have profound healing properties. Exogenous non-linear energies were first utilized by Nicholas Tesla in 1899 in his

famous Colorado Springs experiments where he demonstrated the transmission of his "Tesla waves" without energy [7]. These non-Hertzian loss longitudinal waves have since been studied in hydrodynamics, geology and astrophysics. The extraction of scalar components from Maxwell's original electromagnetic equations [8, 9] and from Schrodinger's equations using imaginary numbers [10] has recently been reported. The unusual properties of these nonlinear waves have also been described by other investigators [8, 11, 12]. However, relatively little attention has been given to their effects on biological systems. Due to the nonlinear nature of biological systems it was proposed that scalar waves should be more biologically active than their linear electromagnetic counterparts [13]. A recent report by the author [14]. Proposed a new theory, the Crystalline Transduction Theory, to explain the mechanism of action of scalar waves with biological systems. It was proposed that scalar energy is transduced into linear electromagnetic energy in the body by liquid crystals in the cell membrane and solid crystals found in the blood and in several biological tissues. Direct effects of scalar energy and coupling of scalar energy to conventional electromagnetic fields was also considered.

The difficulty in obtaining reliable scalar generators for biological studies has led to a paucity of hard experimental data. However, Dr. Puharich has successfully adapted the "mobius strip" technology for generating scalar waves to wrist watch. ELF Cocoon, International has recently modified and improved Dr. Puharich's original design and now markets a readily available, scalar generator, the Tesla watch. Despite the availability of such a scalar generator little is known about the mechanism of action of scalar energy with biological systems.

Numerous anecdotal clinical observations of the healing properties of the Tesla watch have been reported. Since several of these reports include incidences where diminution of the symptomatology, was correlated with cessation of the scalar emissions from the watch (e.g. expired batteries without the knowledge of the subject, placebo effects are unlikely to explain the clinical results. Nonetheless, it is unknown whether the scalar fields directly effect diseased tissue in the body or whether the clinical effects are mediated through a direct effect of scalar energy on the brain/mind. If the brain/mind is involved it is likely that various psychological states (eg. stress, moods or beliefs) will alter the biological effects of the scalar energy.

1.1 Clinical studies with scalar energy

These variables complicate interpretation of clinical experiments with the scalar energy. In addition to conventional confounding variables, one must also consider the EM environment. These factors may explain why some

individuals are more sensitive to scalar energy than others, as has been previously observed with EM energy. Even when individuals who are sensitive to scalar energy are predetermined and isolated from the rest of the population under study, they show a highly variable response to treatment. These problems make it difficult to study the healing properties of scalar (or EM) energies in a clinical setting.

1.2 Experimental evidence for the biological effects of scalar energy

Dr. Eldon Byrd studies the effects of scalar energy on brain waves by measuring subjects' EEG before and after wearing a watch [15]. The results indicate an increase in amplitude of all EEG frequencies with a preferential effect in the lower ELF frequencies. In addition, an exogenous frequency of 82 Hz was not seen in subjects wearing the watch indicating the scalar wave neutralized this EM signal in the environment, thereby protecting the individual. It is unknown whether this altered brain state is the actual cause of clinical healing which sometimes occurs several months after initial exposure to the scalar waves. It is known that the brain and the body, eg, the immune system, communicate bidirectionally [16]. Thus, a direct action of scalar energy on the body could cause a subsequent change in brain states. Therefore these EEG studies do not indicate whether scalar energy also affects the body directly or whether the brain and the body are both affected.

1.3 The Tissue Culture Approach

The use of cultured cells, separated from the body and therefore isolated (at least to a certain degree) from the influences of the mind offer a unique experimental approach to understanding the mechanism of action of scalar energy in the healing process. This approach could be used to determine the direct effect of scalar energy on cells from either the brain or the body. Tissue culture cells are a stable, controllable biological preparation which could also be used to study the biochemical mechanism of action of scalar energy. Even if scalar energy directly affects individual cells, it may also affect the mind resulting in an altered psychological outlook which results in clinical improvement.

Dr. Persinger was the first person to test the effects of scalar energy using isolated cells [17]. The scalar waves were generated by partially cancelling two vortex-type magnetic fields (0.5Hz, 10 μ T) by intersecting them in air. Although a scalar field is likely to be generated in this protocol, it was not measured. The biological endpoint, degranulation of mast cells, was increased by the scalar fields. It is unknown to what extent the EM fields contribute to this result.

Very recently, Dr. Puharich has reported that scalar energy from the Tesla watch affects the DNA of *E. Coli* cells grown in tissue culture [18]. Working with colleagues at the Max Planck Institute in Germany, they have shown that the RAD-6 gene is activated by scalar energy resulting in increased activity of ubiquitin. Ubiquitin is a protein involved in DNA repair. These results indicate that scalar energy can have a direct effect at the subcellular level as well as a direct effect on the immune system (mast cells).

1.4 Effect of Scalar Energy on Neurotransmitter Function

The present study is the first to report a direct effect of scalar energy on nerve cells in tissue culture and indicates that scalar energy can modulate the basic biochemical communication between nerve cells mediated by neurotransmitters. Nerve cells were chosen for this study to determine whether scalar energy can directly affect the nervous system in the absence of any feedback signals from the body. Cultured nerve cells offer a unique model to answer this question. A particular type of nerve cell, called PC12 cells, originally isolated from a rat adrenal pheochromocytoma, was used because its neurotransmitter properties have been well characterized and shown to be similar to those occurring during normal synaptic transmission in the brain [18]. Furthermore, the author has previously shown that the functional property of noradrenalin, an abundant neurotransmitter in these cells, is altered by weak EM fields. Noradrenalin release from PC12 cells was shown to be increased by a 500Hz monopolar square wave [18] and noradrenalin uptake was inhibited by a 15Hz bipolar square wave [18].

In light of the previous discussion, it is also possible that scalar energy will affect other cells in the body in addition to nerve cells. The tissue culture approach will be an invaluable tool in determining to what extent this is true. This approach could also be used to find out whether diseased cells are preferentially sensitive to scalar energy. The tissue culture approach is therefore a valuable method for studying the biological effects of scalar energy and for ultimately characterizing its mechanism of action. Our investigation reveals that the Scalar Energy is one of the natural sources, which is useful for the life of human beings because its impact shows diseases-free life of animals.

2. References

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