

Abstract Submitted
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The neurophysical basis of mind and consciousness JAMES BEICHLER, Retired — A living body is just a complex pattern of energetic particle exchanges to physicists when compared to the biochemical processes studied by chemists and biologists. New research has centered more upon the electric, magnetic and electromagnetic characteristics of life. It is easy to model mind and consciousness as the electric and magnetic counterparts of living organisms. Mind is an extremely complex electric scalar field pattern and consciousness is the corresponding magnetic vector potential field pattern. As humans, we may have the most complex and advanced mind and consciousness known, but all living organisms display mind and consciousness at various lower levels than our human mind and consciousness. Mind and consciousness have mistakenly become associated with the brain and no other part of the body because of the dense concentration of neurons in the brain. A strict study of the magnetic vector potential field patterns associated with neural microtubules, neurons and neural nets demonstrates how thoughts and streams of thought originate in the brain and are stored magnetically. Microtubules, which act as magnetic induction coils, are the primary structural bio-unit used for building, storing and retrieving memories in the mind.

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