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THE QUANTUM BRAIN

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For 2400 years since Democritus the matter's smallest element was considered the atom, quantum mechanics established that atom is a universe of particles, protons, neutrons, electrons, photons, fermions and bosons, etc. If the quantum infrastructure is the common denominator of nature, and nature can be expressed in two forms: corpuscles and waves, are corpuscles the infrastructure of the brain and waves the infrastructure of the mind? When applying Einstein's equation, photoelectric effect, the double existence of the matter: corpuscle and wave, the observer effect, Niels Bohr's concept on the atom, quantum spin, Heisenberg's principle of uncertainty and Schrodinger's entanglement, to the human body a quantum mechanics profile of the biology starts to offer a new understanding of the reality. It was proven that Quantum physics is involved in the life of plant photosynthesis, bird navigation, the sense of smell, and anesthesia. The permanent movement of particles with the speed of light and with an energy equivalent to the explosion of an atomic bomb (according to Einstein equation), in every material, impose the acceptance of quantum life in the biology and in the brain. The quantum mechanics may be involved in the finite live span of: sperm cells-3 days, colon cells-4 days, skin cells-2 months, red cells-4 months, liver cells-5 months, white cells-1 year, neuron cells last an entire lifetime. The quantum mechanics seems to be involved in the massive replacement of hundreds of trillion cells of the body every 7 years.

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