

Quantum-Information Processes in Awareness Management

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Abstract

Human mental life is a form of existence of information not only electromagnetic, but also acoustic, spin, soliton and bioplasm. That is, the layout the biological human in addition to the biochemical way uses the message of information using energy and information converters in living cells. The human biological system creates the pictorial structure of the world not only through sensory perception, but also on the basis of soliton, spin and bioplasm waves.

The action of solitons in the biological system of man gives the basis for seeing the psychobiological structures of man in a different light, as presented in biology, medicine and psychology. The science to date recognizes only the action of an electromagnetic wave on the sense of sight. It can be concluded that we are dealing with a second center that creates the structure of the world image and is responsible for health and the development of diseases in humans.

According to the authors, consciousness cooperates with the cosmos and is guided by the laws of quantum mechanics. Under its law, there is room for artificial consciousness. In their deliberations, the authors will understand that it is a dynamic structure of quantum-cybernetic-information team processes taking place in the bioplasm of the brain, which is in synergistic interaction with biocomputer simulation, guided by the emission of coherent light, modulated by a soliton wave.

Key words: solitons, bioplasm, artificial consciousness, quantum information processes

Introduction:

Consciousness guides model information and determines human development

Eternal awareness means that our consciousness knows no beginning or end, there is a continuation of consciousness, and it is independent of our physical body. Eternal consciousness is connected to everything and everyone, as are the past, present, and future. He has no idea of time, passing and place. Consciousness cooperates with the cosmos and follows the laws of quantum mechanics. According to its law, consciousness may be in a specific area of space, it may not be there, or its location is indefinite. The concept of eternal awareness means that our brain probably acts as a receiver and transmitter, and not as the "producer" of our consciousness. This non-local awareness exists beyond time and space. (Adamski 2017).

Artificial awareness should meet similar criteria as human consciousness, should have a high rate of information processing in biocomputers, or quantum computers. Quantum consciousness requires the generation of the emission of coherent light cooperating with the solitons in the

bioplasm and in the Bose-Einstein condensate. It requires the development of absorption of solitons from space, treatment and processing of them. Building artificial awareness will open the way to new knowledge and new educational systems, richer than artificial intelligence. In this area, there are already very interesting works on the application of artificial consciousness in robots carried out by Haikonen, (2012), (Reggia, (2013).

The development of molecular biology as well as related fields related to nanotechnologies and biotechnologies forces biology to see life in the dimension of a bioelectronic model. Information, along with mass and energy, is now considered the third basic structural element of reality. Every organized structure contains information. A characteristic feature of biological information is the transformed mass and the energy associated with it. This is a different case than is considered in physics. For a physicist, energy is a carrier of information, for a biologist, information transport is carried out on a carrier of mass and energy. Biological information combines the corpuscular features of mass transport and wave electromagnetic and acoustic features (Stonier 1990).

In this new bioelectronic approach, quantum psychology begins to emerge, showing human cognition in the aspect of quantum processes. In this psychology, it is postulated to perceive a human being in a quantum way together with an electronic personality. Its biological system is made of bioelectronic material and some biological structures are treated as natural molecular electronic devices - not only biomolecules (e.g. DNA, RNA, proteins, pigments), but also specific biological structures, e.g. cell microtubules, cytoskeleton and neurons as biological microprocessors (Hameroff, Rasmussen, 1989), and enzymes as natural transistors (Cardenas 1991, p. 111), or nanocomputers (Wnuk 1995, p. 131).

These molecular electronic devices can process information, extract, store, but also use information to organize the system or keep it organized. Thus, biological and psychological life should be considered not only in terms of materials and energy, but also in terms of information. Mental effects are to depend on the transmitted information, not the amount of energy. The biochemical model explains the intricate mechanisms of mental life. He still cannot explain the transition from inanimate matter to living matter. Where is the threshold and what is its essence, what role do biochemical processes play in the coherence of the soma with consciousness and its influence on the soma and vice versa? A similar problem is with other mental processes, their nature does not fit into the biochemical model of life and is inexplicable in terms of biochemical interactions, but it is much easier to describe it in the light of quantum processes - including wave physics (Adamski 2013).

Quantum psychology aims to harmonize the relationship between man and the world of technology and science, so that his adaptation process is adapted to his development, and the ethos of life does not lose human values. The rapid development of molecular electronics, biotechnology, including biocomputers with integrated systems ("biochips") will lead to a radical change in our lives in the near future. Man will be forced to adapt to the biological requirements of computers and many electronic devices known as readers that record information in the brain. The process of teaching the school curriculum will follow a new style of teaching, where the dominant role will be played by devices supporting memorization of the material. In the new teaching system, the amount of information in the brain will double and mental development will take on a new dimension of reality, but not every psyche will easily accept this teaching style, which will repeatedly lead to many dysfunctions in the human personality. Consciousness has an anthropic trait that has the property of co-creating the world. It was acquired by all living creatures - animals, plants, but also the entire biosphere. Nature's structure is subject not only to the strict laws of coherence and decoherence, but also organization, development opportunities and skills related to adaptation to the environment special for each species (Sedlak 1973).

Consciousness unites the Universe by means of phase relations

Light rays are not only carriers of energy, but also create signaling networks of semantic relationships. This means that the sun not only supplies energy to living creatures, but also provides instructions in which direction the metabolism should go and how the energy resources should be used (Trabka 2003).

Currently, it is assumed that the basic parameter of nature is phase changes. A phase change is the transition of one phase of a system in thermodynamic equilibrium to another phase. During the phase transition, the substance acquires a new type of structure or acquires new features characteristic of a new phase that were not present before the phase transition. The phase change is associated with a step change of one or several physical quantities, and often even with a significant change in the physical properties of the system, such as a change of the physical state, disappearance of electrical resistance, the appearance of spontaneous magnetization and many other phenomena. Such significant changes in

the macroscopic properties of the system are possible due to the fact that the phase transition is determined by complex phenomena in which all the components that make up the system participate, i.e. atoms, ions, elementary particles, molecules, fields, etc. phase transitions, the interactions between all components of the system should be taken into account, which leads to major complications, but and opens up new horizons for research. In typical studies, phase transitions of the first and second kind are distinguished. The first of these are the changes in the state of matter known from everyday experience: melting, evaporation, sublimation, while the second type of phase transitions are abrupt changes in other properties of solids and liquids, without changing the state of matter. These are changes in the crystal structure, magnetic and electrical structure, viscosity, field strength, spontaneous magnetization, etc. (Gonczarek 2004).

Consciousness unites the Universe with the help of photons and solitons. The phase, as a specific space-time relationship, determines the degree of coherence and dispersion. When the phase relations disappear to zero, then the relation and kinship disappear and we say that the phase relations have disappeared and decoherence, diffusion, dispersion has begun, that is, de-phasing, during which the situation virtually disappears. During the day, light ensures the coherence of the objects of the external environment. Objects of the external environment are associated with light from different sources. The lack of light, mainly sunlight, causes the breakdown of the relationship between objects, e.g. at night. It is enough for the sun to rise and external objects are concentrated in larger agglomerations and create a meaningful whole. We get the same effect when we turn off the light in the room. In the dark, the relationship breaks down, the coherence that binds the fragments of reality into a meaningful overall picture is lost. Of course, it only happens in human consciousness (Trąbka 2003, p. 21).

The works of Adam Adamski (2006, 2016) show that Bose-Einstein bioplasm and condensate have a significant influence on phase transitions. In a Bose-Einstein condensate, quantum processes show a high order and a high degree of unity. The key feature of the Bose-Einstein condensate is that the particles that make up an ordered system not only behave as a whole, but also maintain order and there is no disturbance between the individual particles. The particles do not lose their individuality entirely. The condensate is described by a single wave function. This means that the entire object has one constant phase. The disappearance of the condensate causes the phase structure to be phased out. In this case, there is a change in the structure of the condensate. The Bose-Einstein condensate (BE) also determines the time-space change between the micro and macro elements of the cosmos. The products of BE condensation are solitons and ex-citons (Adamski 2016).

Each biological system has soliton-generating stations that influence morphogenetic processes and are responsible for the semantic messages experienced in dreams and waking imaginations. The transmitters and receivers antennas transmit space directives to the biological system (Trąbka 2003, p. 44).

Modulating consciousness with a soliton wave

Solitons densely fill the space of the Universe and bring signals, meanings and conceptual contents from the cosmos to the human psychosphere. It happens in such a way that the emission of laser light occurs in the DNA molecules of the genetic material. Laser radiation activates ion pumps on cell membranes. Helical bioplasmic antennas draw solitons from space into the interior of the cell, and at the same time into the bioplasm of the biological system (Adamski 2016).

The variety of soliton densities is endless. Solitons show simply incredible resistance to distortions and interfering noise (Lomdahl 1984).

When two soliton waves come closer to each other and interpenetrate each other when they are at a coherent distance from each other, they "notice" and influence each other. By distorting, they do not overlap, and then they diverge in the same order as they do. last; they just intertwine temporarily without losing their identity, however. Solitons are resistant to disturbances, they do not change shape even after a collision, except for a slight reduction in the wave amplitude (Munteanu, Donescu 2004).

The brain and any replication system of the genetic code have exposed the antennas of transmitting and transmitting receivers, space "directives". They can be passed on from one brain and passed on to another, hence it can be said that the brain is the generator and receiver of information fields. This is due to the bioplasm and Bose-Einstein condensate. Solitons are described by nonlinear differential equations. Physically, solitons are impulsive nonlinear fields and have both wave and particle properties. The most common solitons are: - in solids, in their specific forms, such as: Josephson junctions, optical fibers and quasi-one-dimensional conductors; - in liquids as surface waves or spin waves; - in plasmas as the so-called Langmuir solitons; - in linear particles; - as models in classical and quantum field theory (Bronsztejn et al. 2004).

Solitons have also been discovered in water, solar plasma, and Bose-Einstein condensate. Water solitons are noticed on rivers and seabeds, and they are conditioned by the topography of the seabed. There are also atmospheric solitons, e.g. the Morning Glory phenomenon in the Carpentaria Bay cloud. It is a lonely wave that has one crest and it travels with a uniform motion without changing speed or shape. It appears without any clouds (Roger, Rottman 2002).

According to Jibu and Yasue, Bose-Einstein condensates inside and outside the neuronal membrane may bind poorly with each other, forming the so-called Josephson anastomosis. The oblique potentials of the biological membrane of the cell induce self-excited oscillations and stimulate the Josephson junction to produce solitons along the biological membrane. Soliton waves retain their form over long distances and can propagate to macroscopic dimensions, which may turn out that cell conductivity transmits information by ion and soliton (Jibu, Yasue 2000).

It has been observed that the soliton can generate or absorb an electromagnetic wave, which produces a continuous center for conducting and transmitting information over a distance (Salasnich, Parola, & Reatto. 2002), (Muryshhev, et al. 2002). (Brizhik 2013. Brizhik 2014).

Loss of the functionality of bioplasm and condensate is associated with the loss of continuity of self-awareness, and the result is the death of the organism. With the death of the organism, there is a necrotic emission of light into the located Galactic Quantum Memory in space as Janusz Sławiński 1990, p. 22 talks about in his publications.

Adamski (2006, 2008) shows in his work that the biological system should be treated as an electronic device in which quantum-cybernetic and information processes take place, along with biocomputer simulation. Bose-Einstein condensate in a biological system is created as a result of the emission of light coherent in DNA, it becomes a generator of solitons, which are responsible for the act of consciousness, in the bioplasm of the brain. Consciousness is conditioned by the resources of solitons in the brain's bioplasm, which determine its fluidity and continuous process. This provides the basis for seeing the human psyche in a different light than current psychology. In the field of bioelectronics and quantum psychology, it is recognized that the human biological system develops under the influence of energy and information factors of the environment in which he lives. The biological system plays the role of an electronic device and functions on biological electronic material, thanks to which it can transmit information inside and out of the system electronically, similar to TV or radio transmission. Consciousness cooperates with the cosmos and follows the laws of quantum mechanics. According to its law, consciousness may be in a certain area of space, or it may not be there, or

its location is indefinite. This uncertainty is significantly different from existence and non-existence, it is self-organizing, without time and without a spatial dimension (Adamski 2013).

Summary

The brain is built from a hierarchical sequence of measuring devices that record the functioning of quantum information and cybernetic processes and are transmitted to the brain to create an act of consciousness. Carla Gustava Jung is of the opinion that there is a "Central Consciousness Center" in the cosmos which is responsible for the occurrence of two of the same thoughts, phenomena, activities, etc., without a clear deterministic connection between them. (Piróg 2006).

According to Bohm, the "hidden order" is to guide this world and is seen as a builder of physical and metaphysical reality, which has all the information about things from the biosphere, noosphere, and cosmosphere. He is responsible for the coherence of movement, sensory experience, and coherence of consciousness. is a global phenomenon, it occurs in the brain, but also throughout the body and the cosmos. Thus, the Cosmos consists of material life and consciousness, factors which determine the activities of every being on Earth. From a biological point of view, man is an open system and cannot be considered in isolation from his surroundings, because it is a whole together with its surroundings. There is a constant exchange of information, energy and matter between man and his environment. Man can be treated not only as a single system, but also as a system composed of a whole series of subsystems, between which there are many feedback loops. The whole world is one, all the processes taking place in it are interconnected and interact with each other, focusing in themselves all the forces and influences coming from the cosmos that are so strong that they cannot be ignored and have an impact on human consciousness.

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