

LIFE WITHOUT A GENERAL CENTER

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In articles of the author [2], [3] the version of organization of life when it to a great extent is operated and provided from the center of Earth was offered to consideration. In present article the alternative version when life has no an operating center and represents network structure is considered. Given article is extension and expansion of article of the author « Essence of life » [1].

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It is necessary to notice, that in work [2] where the version with a general Center has been entered, the author approached to it as to one of versions, instead of as to only possibility. Its values are:

- a beautiful geometrical picture,
- conformity to religious concepts and philosophies of “objective idealism” (on the soviet terminology); the representative of this philosophy was, for example, Vladimir Solovyov. It is possible to concern to religious concepts doubly: to consider as they display intuitive wisdom of people, or they are simple aspiration of people to have a big owner and a patron helping in this life and providing posthumous existence. Last of two does religions not authoritative for philosophy.

Defect of the version is the problematic way of interoperability of living organisms with the center of Earth.

Any considered version of life should answer following questions:

1. Where the information necessary for construction of an organism with all its smallest details is stored? (Information of DNA is obviously insufficient [1]);
2. How very fine adaptation of an organism to environment is provided?
3. How did life arise?

The first.

In [1], where life considered without a general Center, it is told:

The quantum physics speaks, that a condition of a microparticle is defined by continuous wave function – for example, a condition of an electron in an atom. But continuity assumes infinite number degrees of freedom with capacity of continuum. So in a wave function any quantity of information can be concluded. **The end of the citation.**

It is possible to explain it in addition. In an elementary atom, atom of hydrogen, an electron can be in infinite countable set of steady states that are described by same quantity of wave functions. By a principle of superposition it is possible to make a combination of them with infinite quantity of factors, and this combination also will be a wave function of an electron in an atom. Each set of factors correspond to a wave function. As a choice of factors is arbitrary, they can describe a live organism in addition to DNA.

Even more information can be placed in a multielectronic atom. But such accommodation is not reliable, since «an electronic cloud » of an atom is subject to electromagnetic influences of a thermal and directed character. Similar accommodation of information inside a nucleus, in wave functions of protons and neutrons is much more reliable. Information can enter a nucleus through « an electronic cloud »; about realism of such way speak phenomena of electrons capture by a nucleus from K and even L and M shells of "an electronic cloud ".

In addition to storage of information in [1] it is postulated, that under certain conditions atoms display active, creative character.

The second.

How to explain very fine adaptation of organisms to environment? Mimicry in the world of insects, complex interoperability of plants with pollinate insects and set of other surprising facts incite one to idea, that adaptation to environment is not result of accidental mutations but result of any creative work. The author is impressed especially with a benthonic fish-angler about which mouth something hangs down like a fishing tackle with bait. The greatest miracle is occurrence of man with his brain.

The following version of creative evolution is offered.

In organism besides an operative person there is a biological person. The first is responsible for appropriate reaction to danger, for search food, shelters, sexual and other partners. In application to man this person is our consciousness which has constructed civilization. The second generalizes biological experience of an organism and puts forward ideas on perfection of an organism. These ideas are located in atoms and are spread among members of a type through sexual contacts, and maybe by telepathy. But they not at once are realized, but only when will meet with approval of majority of biological persons of a type. Then they are embodied in DNA. This process is similar to interoperability of scientists through publication and discussion of articles, and subsequent delivery of recommendations to engineers.

How did life arise unassisted by the center of Earth?

For the approach to solution of the problem it is necessary to address to analogy to a human society: atoms capable to creative work – people, bacteria – states. People in their progress formed villages, clans, and then states. Atoms in their progress form molecules of a different degree of complexity, and then "states" - bacteria. Thus atoms evolve being sated with information necessary for functioning in "state". Already at molecular level some properties of a life are visible. Catalysts transform "food" - entrance substances to « waste of life » - target substances. Centralization is presented by complex compounds. But only in great, centralized and structured communities of atoms there are all properties of life. In bacteria there is no kernel, therefore an operating center is invisible; most likely it is heavy atom.

The phenomenon of consciousness consist of two components:

- Centralization,
- Process of adding new particles and of establishment new communications inside system.

In the given version after death of an organism when it is reduced up to atom, it is already impossible to hope to aid of the Big Center in its further destiny.

What of these versions, with the general Center or without it, is realized actually, should solve experiment [2]:

It is needed to bring a laboratory on Mars, where analogical earthly conditions for organisms would be created, and to study reproduction and development of these creatures. The special attention needs to be spared to those organisms which are being born without connection with parents, i.e. that reproduce themselves by spores, seed, roe, eggs without hatching. It is possible to conclude from this, whether Earth is obligatory for earthly life. An analogical experiment on Lune can not give a distinct answer, as it is in the gravity field of Earth. **The end of the citation.**

References

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