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## SUMMARY

### ***Bazaluk O. A. World existence: the modern model of Evolving matter.***

In the scope of article author is going to solve two tasks. Firstly, author reviews *the world existence* not such as a concept, but such as a modern scientific and philosophic system of the opinions concerning the Universe structure. This system also includes the opinions concerning the processes of formation and development of inorganic world, worlds of life and intelligence. Secondly, author answers the question «What is the essence of human life?» using the scientific and philosophic meaning of *the world existence*. At the authors opinion, the modern model of the world existence let us make the following answer: *The essence of human life is contained in the full-scaled actualization of the person's creative potential in order to civilization development because civilization in itself is the evolving matter state which asserts its right of existence at the Universe structure.*

### ***Vladenova I. V. Cosmological problems of the reality structure constructing.***

In the article the cosmological problems of constructing of structure of physical reality are analyzed in modern physical theories. Base descriptions of universe, questions of extremity/endlessness, spatial measuring, change. A man understands and explains the structure of reality by means of intencional. Intencional is property of consciousness.

Keywords: cosmology, structure of reality, universe, consciousness.

### ***Danylchenko P. I. Is Universe eternal?***

The possibility to avoid the singularity of Big Bang of the Universe in general theory of relativity, and thereby – the possibility to guarantee Universe eternity not only in future, but also in the past, is shown. The reality of Universe eternity is confirmed by the results of observations of distant supernovas and is based on the counting of cosmological time in the frame of reference not co-moving with matter, in which by the Weyl hypothesis galaxies of expanding Universe are quasimotionless.

### ***Djakhaiya L. G. Human being in the modern scientific and philosophic concepts of the Universe.***

Man and human society, their beginnings and subsequent progressive development may be given a proper, that is scientific interpretation only in the context of any of the philosophic-cosmological conceptions of the Universe. Therefore, the author solve the problem from the viewpoint of his own conception – vacuum theory of substance and field, which has been successfully competing with other available conceptions of the Universe for a quarter of a century as a result of the number of home and foreign publications (most complete and reasoned statement is given in the book: L.G.Djakhaiya. Vacuum. Tbilisi. 2008).

Three aspects from the multidimensional problem are chosen in the paper: 1) the role and importance of the philosophic-cosmological «anthropic principle»; 2) explanation of the empirically found world constants for interpretation of human origin; 3) peculiarities of the search for non-Earth civilizations.

***Zhelezniak G. V. Anthropik principle and the method of the complex approach in the philosophy of cosmism. The investigation of the structure universe – human.***

On the basis of historical-philosophical analysis, the idea of Cosmism and scientific ideas about the essence and the structure of the Universe the author gives the arguments in favor the development of the universe structure – the human.

***Kapiton V. P. Cosmology and a problem of objectivity of laws.***

The problem of objectivity of laws of the Universe from the point of view of categories of existence and non-existence, in particular, from the point of view of I. Kant's apriorism is analyzed.

***Lubashenko U. N. Theory of the united physical Universe.***

***Miheeva I. B. Scientific Knowledge of the XXI Century of Man and the Universe: from the Rationalist Theories to Neo-Pagan Constructs?***

The article presents an overview of the main methodological approaches and theoretical concepts of neo-pagan dimension in modern scientific knowledge. The author draws conclusions about the paradigm shift from classical forms of scientific rationality to the mythological constructs, reflected in the statements of heuristic value of the ancient pagan paradigm for modern science and the necessity of synthesis of scientific and non-scientific forms of knowledge, strengthening of the methodological significance of the Anthropic Principle in science and growing of the environmental and space trends in modern science.

***Okorokov V. B. About unity of true and about borders of existence of the world in a science, philosophy and religion.***

Universal hypotheses of existence of the world are investigated in view of presence of mathematical and physical sciences.

***Prokopenko M. V. Life in the Universe. The philosophic aspects of the problem of searching.***

We want to know – does extraterrestrial life exist or not? This problem is very complex. Modern science is a very powerful instrument for exploration of space phenomena, but for adequate decision and even for understanding the problem of life origin and evolution we need philosophy. Is a scientific method good enough for making decision alone without philosophy, religion and mythology? Let's consider fundamental features of science and basic principles of life as we know it. Since we don't know any forms of life but terrestrial, our understanding of what life is is definitely narrow. In historical perspective men looked at the Universe as a living

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organism. There were many kinds of different conscious but invisible creatures. A modern view is different. We think that life is a tiny island in an inanimate endless space. Where can we find some places appropriate for life inside the Solar System or outside it? Today we know nothing about extraterrestrial life. Our radiotelescopes can't get signals from the "little green men". But does UFO really exist? This question touches not only our mind but our heart as well. And if we wish to investigate a problem of life we really need to switch on not only our rational intellect but also other abilities of a human being.

### ***Ukhov A. E. By the problem of ether substance to be available.***

The article tells us about well-known physical problem of whether ether substance to be available. Albert Einstein sum up this question by his theory of relativity, arguing there are no ether substance at all. But many physicians there has been facing difficulties that were evidence of the real presence of ether. This accords with the main idea of many oriental spiritual and physical practices such as yoga and chi-kung, as well as of modern theory of non-linear thermodynamics.

### ***Gladyshev G. P. Life is Inalienable Component of Matter Evolution.***

The law of temporal hierarchies makes it possible to identify quasi-closed monohierarchical systems in open polyhierarchical biological systems. It is possible to use the approaches of hierarchical quasi-equilibrium thermodynamics to establish the direction of ontogenesis and evolutionary processes.

The law of temporal hierarchies helps to substantiate the idea that an overwhelming majority of supramolecular and other processes (at least structure-forming ones) in biological world take place in quasi-closed systems under regimen close to the state of equilibrium. Hence the conclusion that the relevant in vivo and in vitro processes can with equal justice be studied in terms of chemical, supramolecular, and generally speaking, hierarchical thermodynamics.

The thermodynamic theory of origin, evolution and development of living systems and the thermodynamic theory of biological matter circulation boost the ideas of G. Galileo, J.K Maxwell, Ch. Darwin and other classics, based on belief that there exist universal natural laws operating at all hierarchical levels of matter.

The author considers that the statements of article are connected with the cogency of equilibrium (quasi-equilibrium) thermodynamics, which is based on the method of full differentials.

*Keywords:* biological evolution, aging, life, law of temporal hierarchies, second law of thermodynamics, nutrition.

### ***Broshkova N. L., Popov S. V. Concerning the consciousness origin.***

***Vorontsov S. S. Postmodernism as «social solipsism». The analysis from positions of actual anthropology.***

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***Kucepal S. V. The postpresent: transformation of images of the world and the person.***

Transformations of an image of the person, vision of its role and a place in the Universe during an epoch of the postpresent of beginning XX of a century in a view of postmodernism's ideas are analyzed.

***Novikova O. S. Intercultural competence of the globalized world.***

***Prokhorov M. M. Being and History.***

In article has realized explication concepts of being and history, the law of communication of being and history, its value for philosophical outlook as higher form of consciousness.

***Serov N. V. Dimensional attributes of computer science in anthropology.***

The chromatic (interdisciplinary) analysis of the diverse data of physics and psychology has led to their qualitative uniformity on the basis of uniform criterion of dimensions, required in computer science. Metalanguage system [L I T] dimensions (where L – space, I – the information and T – time) is used as optimum criterion. The [L I T] dimensional analysis in a combination to relevant ontologic plans of the diverse data has allowed to carry out the correlation semantic analysis of complex information systems both inert, and an alive matter.

***Solovyova M. F. Reflection of ideas of philosophy of cosmism in the Soviet culture and education.***

***Urynbayev S. About work of a brain in a general view and about consequences.***

The scheme of internal control of person is proposed: each organ of senses creates its own description of environment in brain. Simultaneous record in various languages of brain should be done by the same mechanism, by the same recording impulse. Such mechanism can be found under study of muscle speech - movement.

The human skeleton is considered as open multilink and analysis is done on the base of methods of mechanic. The psychological and social processes can be explained more rationally.

*Keywords:* brain activity, brain processes.

***Filatov A. S. A man is in structure of the universe: from showing off intelligence to creation.***

The problems of expansion and deepening of process of social autonomusness of man, increase of level of social individual freedom, are examined in the article. An author examines the process of realization of social individual freedom in correlation with realization of the creative functions a man in the process of social meaningful activity.

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A modern epoch is characterized creation a man high-quality new production technologies which change the process of co-operation of society and nature on principle, that results in the substantial changes of natural environment, which now already not only mutates and transformed people but also created by them.

In this connection there is a necessity of forming of new world view options and new thought a man for a correction with the changing terms of social existence.

***Kocherga N. K., Aliaiev G. E. Scientist-kosmist Y. V. Kondratyuk (A. I. Shargey) – the thorny road to immortality.***

The basic marks of a difficult vital and creative way of the ingenious theorist of astronautics Y. V. Kondratyuk (A. I. Shargey) are shined.

***Terehov S. V. A. L. Chizhevsky's not demanded scientifically-philosophical ideas as perspective directions of modern scientific researches.***

In the article the basic philosophical ideas of the Russian scientist and philosopher A.L.Chizhevsky are analysed. The reasons which have induced the author to the studying of influence of activity of the Sun on terrestrial processes are specified. The important representations for A.L.Chizhevsky about unity of a universe are revealed and their place in the system of philosophical ideas of Russian cosmism is defined. In a context of philosophy of Russian cosmism his heliobiological ideas are considered. Principles and laws of the most original concept of A.L.Chizhevsky – the theory of geliotaracksis are opened. The prospects of use of these ideas in scientific and economic activities of the modern person are specified.



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