

THE NOOSPHERE STAGE AND THE INCREASING RESPONSIBILITY OF MANKIND IN THE PERSPECTIVE OF THE PLANET EARTH

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A B S T R A C T	KEY WORDS
This article presents the ideas of the gradual development of the relationship between society and nature. The meaning of the concept of the noosphere is based on its importance in harmonizing all the spiritual aspects of the human mind and personality in general.	Noosphere, society and nature, spiritual aspects, Vernadsky's biosphere theories.

The history of science refers to the development of fundamental knowledge. These knowledges are considered the most general laws of world development.

Such knowledge helps to understand paradigms. A paradigm is a widely recognized scientific achievement that provides the scientific community with a model for posing a set of problems and solving them in a new way¹. Aristotle's dynamics, Ptolemy's geocentric theory, Newton's mechanics, Ch. Darwin's evolutionary theory, V. I. Vernadsky's biosphere theories, etc. can be included among such paradigms from the history of science. The interchange of paradigms led to a scientific and technological revolution².

When the world is the structure of existence, it is primarily meant the world of nature. In modern philosophy, the concept of nature is interpreted in a broad and narrow sense. Its broad meaning refers to the universe, the world (material things and events) that surrounds a person. At the same time, this concept in a narrow sense represents the living (life) part of the universe.

As a result of the development of natural sciences in the 19th century, new approaches to understanding the problems of the origin of life and evolutionary processes on Earth appeared, as well as the desire of man to understand his place in the world. This situation was also manifested in the interpretation of the concept of nature, which began to mean only the part of the universe, existence, which he called the biosphere (J. Lamarck introduced the term biosphere into science in 1802), that is, the "sphere of life". The biosphere is the product of the previous development of inanimate nature and forms the thin layer of the Earth where life lives. It covers the upper part of the atmosphere, hydrosphere and lithosphere.

¹ Кун Т. Структура научных революций. – М.: "Прогресс", 1975., Стр.11.

² Kambarov A. The role of scientific values in the process of spiritual renewal of society. Candidacy thesis, Fergana, 2006, p. 113.

Man occupies a special place in the biosphere. It has become a part of living nature, and at the same time actively influencing it, an active force. This situation found its expression in ecological problems. As they intensified, man began to understand more deeply his changed place in nature; began to try to solve the issue of interaction between nature and society from a scientific, philosophical and practical point of view. This gave impetus to the formation of the doctrine of the biosphere. This doctrine was developed by the Russian scientist Vernadsky V.I. (1863-1945) was developed by The scientist called the distribution of living organisms on the planet the biosphere. He emphasized the great importance of philosophy for scientific research, that philosophy is a methodology for natural sciences, and in the teaching of the biosphere and noosphere, he took a philosophical approach to nature and established the interrelationship between nature and society, and man. He rejected the views of society and nature that existed before him, the traditional views that consider “nature” to be an inexhaustible source, and the relationship between society and nature finds its expression in changes in nature, in which humanity becomes a powerful geological force; put forward the idea that it is impossible not to take this into account.

Vernadsky approached society as a unity of animate and inanimate nature, man as an active subject, and tried to scientifically justify the place of human activity in the interaction of society and nature and the qualitative changes that took place under its influence. He called the replacement of human activity in the interaction of society and nature to the point where his snake activity becomes the most important factor, the “noosphere” (Greek noos - intelligence, perception and sphaira - field), that is, the field of intelligence. Since then, the noosphere is understood as the highest stage of unification of all forms of existence of matter, which is based on the scientific understanding of natural and social processes and is coordinated with the general laws of the development of nature. In other words, the noosphere “society-nature” system is the highest stage of the development of natural-historical development, which does not yet exist, but is beginning to take shape, and must exist if humanity does not want crises to occur and wants to live a decent life in the future.

As most researchers have pointed out, reaching such a “Biosphere” stage requires gradual development based on optimizing the interaction of society and nature. This type of joint development is called coevolution of nature and society, and reaching the noosphere is its gradual end.

The ideas of the gradual development of the relationship between society and nature are based on a new interpretation of the laws that determine the emergence and development of the organic, and later - the social world. As a result of the interaction of animate and inanimate nature, a new state of the Earth's lithosphere, hydrosphere and atmosphere was created, which is reflected in such synthetic concepts as “biosphere” and “noosphere”. The introduction of these concepts into scientific circulation and philosophical justification was a completely new stage in the understanding of altered nature.

The term “noosphere” was proposed by the French researcher E. Leroy in 1927 at a seminar in Paris during the discussion of V. Vernadsky's lecture on this field to express the current stage of the geological biosphere. Later, this term was widely used by P. Teilhard-de Chardin. He understands the noosphere as the “thinking layer” of the Earth, its own shell, which was created at the end of the Tertiary period, includes plants and animals, operates outside the biosphere and over the biosphere. “...As soon as the spark of thought shone on earth, life created a force capable of criticizing itself and passing judgment on it,” wrote the scientist³.

³ Тейяр де Шарден//Всемирная энциклопедия. -М.: Современный литератор, 2001.-С. 346.

The noosphere human activity, the whole set of thinking forces and units of humanity, which attract the thoughts and tasks of this activity to a common unity through the means of joint actions and goals, affects the evolution of our planet, determines it in many ways. V. I. Vernadsky approached the noosphere as a result of human activity aimed at changing the biosphere and nature in general. According to him, a “curtain” of anthropogenic origin is created around the Earth, but this is not an ideal sphere, but a certain stage in the development of the biosphere. In this case, the conscious transformative activity of people becomes the driving force of this development, and the “realm of intelligence” thus created becomes a material force.

In the process of evolution, it represents the emergence of new means and factors of development of a spiritual and spiritual nature and their use. According to Teilhard-de-Chardin, free thinking and discovery, the emergence of a person capable of understanding his actions and thoughts is a factor that establishes a new, promising development of a biological form, a “new order of existence”. This new realm is literally an independent, system-forming factor that cannot exist outside of humanity and without humanity.

Intelligence in the context of the concept of the noosphere represents the harmony of the human mind and all spiritual aspects of the individual. Currently, the concept of “noosphere” attracts the attention of scientists from various fields. In some views, its content is defined in connection with informational processes and as an informational-energetic-material unit. The term “intellectual systems”, which is quite common today, represents one of the mechanisms of entering the noosphere.

The formation of the noosphere from the biosphere shows the unity of humanity. The noosphere should justify its name as “realm of intelligence”. In it, humanistic scientific thinking capable of eliminating the negative consequences of technical development for the future of mankind and creating wide opportunities for the development of social life is required to prevail in practice.

Intellect is not only a special apparatus of knowledge, but also a source of life activity. According to V. Vernadsky, the formation of the noosphere should take place under the influence of growing scientific thinking and productive social work based on it. The growth of scientific thinking cannot fail to have a serious impact on the conditions of human existence. According to V. Vernadsky, thanks to the noosphere, it is possible to solve the higher organizational tasks of human life and rationally regulate the natural cosmic order.

With the introduction of the concept of “noosphere” into scientific circulation, philosophy began to think about the meaning of a new type of energy. It is a specific type of biochemical processes, according to its composition. Therefore, intelligence is manifested in its own way. This new form of energy, which can be called human cultural energy or cultural biogeochemical energy, is one of the main factors that create the noosphere - intelligence. It can be concluded that the boundaries of the noosphere are related to the human being, they are not immutable, but depend on the level of rationality and quality of thought processes.

The possibility of eliminating the imbalances of human life activity is linked to the noosphere. A universal approach to the understanding of existence includes not only the primary values and principles of Earth civilization, but also a certain dependence on the universe. Mechanisms of human connection with nature are diverse. They do not consist only of biological, technical or social mechanisms. In the process of interaction, these mechanisms form such a complex system that one layer takes place over the second layer and changes the third layer with its influence.

The concept of "noosphere" also embodies a set of objections against a large number of factual information about the universal negative consequences of human activity. In 1866, G. Marsh's book "On Man and Nature or Man's Influence on Changes in Physico-Geographical Conditions of Nature" contains many evidences about the negative impact of man on the environment, and it is said that they can lead to disastrous consequences. These are: degradation of the soil layer, reduction of forest area, extinction of animal species, etc.

The new stage of the biosphere is the Noosphere, which is associated with the geological power of the human mind of a planetary nature. As stated by Thayer de Chardin in "The Human Phenomenon", the emergence of the Noosphere is associated with the emergence of Homo sapiens (Conscious Man), i.e., the period of their first socialization; He came to the conclusion that the noosphere is a socialized stage of the development of the biosphere. The noosphere cannot be prioritized over the biosphere or separated from the biosphere as a single phenomenon⁴. At the same time, this concept refers to the indisputability of reason.

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⁴ Mamashokirov S., Usmanov E. Environmental security issues of sustainable development. - T.: "Science", 2007, p. 30.