

Facts, Evidence and Reflections About the Universe

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Abstract

A scientific justification for the existence of God is given.

INTRODUCTION

The paper consists of two parts: Facts and evidence, and Reflections.

In the first part of this paper, for the first time, a scientific justification for the existence of God is given, facts and evidence of the predestination of the future of mankind and the fate of each person are presented.

The second part of the paper presents the author's logical reflections on the Universe, arising from the facts and evidence presented in the first part of this paper.

The paper is presented in an accessible form for the average reader and is intended for all those who are interested in the structure of the world around us.

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1. FACTS AND EVIDENCE

THE BIRTH OF MATTER

It is known that the Universe is all existing space, including galaxies, black holes, stars, planets, other objects and the space between them. The Universe is completely filled with the smallest quanta of space-time (quantons).

The number of quantons in one cubic meter of space-time is about 10^{75} . Quanton has the shape of a

tetrahedron, at the vertices of which there are four massless charges: two electric (+ and -) and two magnetic (N and S). Therefore, at its core, space has an electromagnetic nature.

The size of one quanton is about 10^{-25} meters, which is ten orders of magnitude smaller than the size of an electron. A quanton is a universal particle that combines electromagnetism and gravity, space and time, and therefore this space is usually called quantized space-time or space-time.

It is possible to draw an analogy of the structure of quantized space-time with a certain grid of force lines of electric and magnetic fields, linking together the entire Universe. The nodes of this grid contain electric and magnetic charges that are part of the quantons. The quanton is the most stable particle in nature, the decay of which into individual quarks is impossible.

The space-time filled with quantons is a medium devoid of material matter and the entire diversity of the observed world. The energy intensity of quantons is colossal and was determined as 10^{73} J/m³. This is enough to get the Universe as a result of the Big Bang when one cubic meter of vacuum is activated.

The quanton itself ensures the electromagnetic symmetry of space-time by the fact that the number of magnetic charges inside the quanton is equalized with the number of electric charges. But one quantized space-time is not enough for the formation of the material world.

All manifestations of magnetism and electricity are associated with the violation of the electrical and magnetic equilibrium of the quantized space-time and the reason for this is the presence in the Universe of an excess amount of electric charges, thus creating an electrical asymmetry of the Universe. It is the electrical asymmetry of the Universe that is the reason for the formation of the entire spectrum of elementary particles and the entire variety of material matter in the Universe. In the equilibrium state, the specified electric charge includes two equal in magnitude and opposite in polarity charges (negative and positive). Such a charge is called a dipole. The dipole is an unstable particle and is capable of decaying into individual electric charges. When a photon (quantum of electromagnetic radiation) hits a dipole, it splits into two massless electric charges of negative and positive polarity. When a massless electric charge of negative polarity enters the quantized space-time, the quantons are drawn to the center of the indicated negative charge, as a result, the space-time is deformed (curved) and, as a result, an electron is born. Similar to an electron, when an electric massless charge of positive polarity enters the quantized space-time, a positron is born, which is an antiparticle with respect to the electron and differs from the electron only in the sign of the charge polarity. Thus, with the birth of an electron and a positron, mass appears. The birth of an electron and a positron from vacuum is one of the numerous experimental facts confirming the presence of a quantized structure in space-time. The reverse process of the creation of a dipole occurs during the annihilation of an electron and a positron, when they approach very close to each other. In this case, the monopole charges of the electron and positron merge into an electric dipole, destroying the deformation of the quantized space-time. The mass disappears. The electromagnetic energy of the deformation of the quantized space-time, being released, turns into wave electromagnetic energy, giving

rise to two photons flying in different directions.

By approximately the same analogy as an electron and a positron are born, when a conglomerate of dipoles interacts with a quantized space-time, a neutron and a proton are born. It is well known that atomic nuclei consist of protons and neutrons. The number of protons and neutrons in the atomic nucleus determines the electric charge of the atom and its mass, forming Mendeleev's periodic system of chemical elements.

Thus, elementary particles with mass appear as a result of spherical deformation of the quantized space-time under the influence of electromagnetic energy. Mass is the energy of spherical deformation of the quantized space-time. In other words, the mass is a kind of bunch of electromagnetic energy. The stronger and more voluminous the deformation of the quantized space-time, the greater the mass. During the annihilation of elementary particles, the mass is converted into electromagnetic energy, which is used in subsequent processes of deformation of the quantized space-time. Thus, the quantized space-time is the weightless primordial matter that makes up the matter in the Universe.

All of the above is a highly simplified and understandable presentation of the fundamental discoveries made in 1996 by the famous Russian physicist Dr. Vladimir Leonov and put by him in the basis of the theory of Superunification (<https://vixra.org/abs/1910.0217>).

To understand the scale of material matter in the Universe, let's give some figures. The number of galaxies in the Universe is several hundred billion (according to data obtained by the New Horizons spacecraft in 2021). Planet Earth is in the Milky Way galaxy.

Our galaxy is 100,000 light years across. Thickness of our galaxy is 3000 light years. A light year is the distance that a ray of light travels in one Earth year. One light year is ~ 9.5 trillion km or 9.5×10^{15} meters. Thus, the volume of the Milky Way galaxy is about 2×10^{36} cubic meters.

Since the number of quantons in one cubic meter of space-time is about 10^{75} , respectively, with the volume of the Milky Way about 10^{36} cubic meters, the total number of quantons in the Milky Way galaxy alone is about 10^{111} . Since the energy intensity of quantons in one cubic meter is 10^{73} J, therefore, the energy intensity of the Milky Way galaxy is about 10^{109} J.

INFORMATION

It follows from the previous chapter that the electrical asymmetry of the Universe is the reason for the formation of the entire variety of material matter in the Universe. The electrical asymmetry of the Universe is due to the existence in the Universe of excess of electric charges of opposite polarity, which form electric dipoles. A dipole is a bit of information. A bit of information is a symbol or signal that can take two values: on or off, yes or no, high or low, charged or uncharged; in binary it is 1 (one) or 0 (zero). This is the minimum amount of information that is necessary to eliminate the minimum uncertainty. The dimensions of the dipole are about 10^{-15} meters. Dipoles move freely in quantized space-time. When

approaching each other at a distance of about 10^{-15} meters, bits of information can connect each other, forming spatial complex links similar to an information code.

Experimentally, the presence of dipoles and conglomerates of them can be most easily observed if a small electric discharge is made in vacuum between two electrodes at a distance of up to 10 mm. By all laws, the spark must follow the path of least resistance, that is, in a straight line between the electrodes. But we will see zigzag lines, as if the ejected electrons meet an invisible obstacle on their way and change their trajectory. Moreover, we will never see two identical trajectories.

With an information bit (dipole) size of 10^{-15} meters and a filling factor of 10^{-5} (conditionally), the amount of information in one cubic meter of quantized space-time will be about 10^{40} bits. Is it a lot or a little? Since the volume of the Milky Way galaxy, in which our Earth is located, is about 2×10^{36} cubic meters, therefore, about 10^{76} bits of information are concentrated in the Milky Way galaxy.

For comparison: (1) According to the International Data Corporation, the total amount of digital information in 2020 in the world was about 4×10^{22} bits. This is many orders of magnitude less than even in one cubic meter of space-time. (2) Since the human body consists of about 40 trillion cells, and each cell contains about 1.5 gigabytes of our genetic code, therefore, the amount of information about a person is about 6×10^{22} bits of information. It is also many orders of magnitude smaller than even in one cubic meter of space-time.

Since the formation of mass and its inverse transformation into electromagnetic energy is an endless process, therefore, the formation of information in the Universe is also an endless process.

It follows from the foregoing that a colossal amount of structured information is concentrated in the Universe and its amount is constantly increasing. In the chapters that follow, more evidence is presented that shows that there is an enormous amount of structured information concentrated in the Universe.

THE UNIVERSE IS AN INTELLIGENT SYSTEM

It follows from the previous chapters that the Universe is made up of quantized space-time (the building blocks for creating mass), colossal amounts of energy (necessary for creating mass), and structured information.

Nature is the material world of the Universe. Nature can be inanimate and living. Inanimate objects include, for example, chemical elements, their various compounds in solid, gaseous and liquid states, galaxies, stars, planets and other space objects.

On the example of the modern understanding of the structure of the sun, earth, other planets and objects of the solar system, which at the same time still participate in electromagnetic interaction with each other, it is obvious that these space objects are the most complex systems of the inanimate material world. Modern science, including the theory of chemical evolution of inanimate nature, assumes that the most complex cosmic objects of the Universe were formed as a result of spontaneous self-organization of

elementary particles. There is no evidence to support these assumptions.

In this regard, a reasonable question arises: how could the chaotic birth of elementary particles, which are mass carriers, from vacuum spontaneously self-organize in such a way as to lead to the formation of the most complex cosmic systems such as galaxies, stars, planets and other space objects?

In order to answer this question, we will give a simple example: in order to build a house, it is necessary to create a house project, make the necessary building materials from the appropriate raw materials, collect them at the place where the house is being built, apply the energy of people and relevant equipment to manufacture building materials and build a house according to approved project. Obviously, raw materials for building materials cannot be spontaneously self-organized into building materials, which, in turn, cannot be spontaneously assembled in one place and cannot be spontaneously self-organized into a house, no matter how much time passes.

This example clearly shows that the elementary particles, which are mass carriers formed as a result of the deformation of the quantized space-time, are just a building material for the creation of galaxies, stars, planets and other space objects. Elementary particles cannot be turned into the most complex space objects without purposeful control of mass (that is deformation by quantized space-time) and the energy necessary to form mass. Then a logical question arises: Who in the Universe controls the deformation of quantized space-time and energy?

Since the Universe consists of quantized space-time (building material for creating mass), electromagnetic energy (which is necessary for creating mass) and structured information, therefore, only the accumulated structured information, the amount of which in the Universe is colossal, is the force that purposefully controls the creation mass and energy, and the result of such a purposeful control of mass and energy are all objects of inanimate nature that exist in the Universe.

Further in the text, for simplicity of presentation of the text, the structured information accumulated in the Universe, for brevity, is also referred to as "the Universe".

The objects of living nature include everything that is distinguished by the ability to grow, breathe, eat and develop. Man, animals, plants are objects of living nature. In accordance with the current level of knowledge, a cell is an elementary unit of the structure, functioning, reproduction and development of all living organisms, and there is no life outside the cell.

The cell consists of a large number of chemical elements and their various compounds, which are the basis for creating even more complex organic compounds - carbohydrates, proteins, fats, nucleic acids, which make up the various parts of the cell. Such compounds also include DNA (deoxyribonucleic acid), which carries genetic information about any living organism and thus is a kind of blueprint for creating any object of living nature.

Modern science, including the theory of biological evolution of living nature, assumes that the most complex objects of living nature spontaneously self-organized. There is no evidence to support these

assumptions.

We found out above that elementary particles, chemical elements and their various compounds cannot turn into the most complex objects of inanimate nature without purposeful control by the Universe of mass and energy. Since a cell (as an elementary unit of any object of living nature) is a combination of chemical elements and their various compounds, therefore, the Universe purposefully controls the creation of a cell.

Thus, any object of living nature is the result of purposeful Universe's control of quantized space-time (building material for creating mass) and energy (necessary for creating mass).

The foregoing allows us to draw the following conclusions: (1) the evolution of objects of inanimate nature, including the planet Earth, is not a spontaneous process, this evolution is controlled by the Universe, (2) the evolution of objects of living nature, including man, is not a spontaneous process, this process is controlled by the Universe.

Since the Universe has created the most complex objects of inanimate and living nature and controls their evolution, therefore, the Universe is an intelligent system.

HUMAN THOUGHTS ARE BORN IN THE UNIVERSE

Since, as follows from the previous chapter, the Universe is an intelligent system and controls the evolution of all objects of inanimate and living nature, including man, natural questions arise: Does the Universe affect human activity, human society or not? Does the Universe interact with man or not?

In order to answer these questions, it is necessary to understand whether man has the ability to interact with the Universe and process information accumulated in the Universe.

In accordance with the current level of knowledge, man has many levels of information processing, including: instinct, habits, skills, experience, perception, cognition, thinking. We are interested in thinking, since thinking is the highest level of information processing by man, a type of mental activity, which consists in knowing the essence of things and phenomena of the surrounding world, regular connections and relationships between them, which leads to the emergence of ideas about objective reality. The result of thinking is a thought, concept, meaning, idea. Many philosophers called thinking an essential property of a person. So, Descartes said: "I think, therefore I am."

The need for thinking arises first of all when, in the course of life and practice, a new goal, a new problem, new circumstances and conditions of activity appear before a person. By its very essence, thinking is necessary only in those situations in which these new goals arise, and the old, old means and methods of activity are not sufficient (although necessary) to achieve them. Such situations are called problematic. With the help of mental activity, originating in a problem situation, a person manages to create, discover, find, invent new ways and means to achieve goals and satisfy needs. In those cases where you can get by with old, already known methods, previous knowledge and skills, a problematic situation

does not arise and therefore thinking is simply not required.

The first thought that comes to each of us is that thoughts are born in the human brain. However, modern science recognizes that at present there is no evidence that would indicate that the human brain is the source of the birth of thought. In particular, the head of the neurosurgical department of the Belarus Scientific and Practical Center for Neurology and Neurosurgery Dr. Arnold Smeyanovich, who performed thousands of operations on the brain, stated: *“The most amazing thing is that consciousness has no place in the body, and the connection between the brain and thought is generally a dense mystery. Probably the Creator owns it. Where theories, hypotheses, discoveries are born is still unknown to physiologists”*.

Since modern science does not have evidence that the human brain is the source of the birth of thought, we turn to the opinions of authoritative experts based on their professional practice in the field of brain study. We present only a few of them.

Russian distinguished neurophysiologist Natalia Bekhtereva said: *“I admit that thought exists separately from the brain, and it only catches it from space and reads it ...”*.

Virginia Medical University professor of psychiatry and neurophysiology Bruce Grayson said in an interview: *“The brain is indeed involved in thinking, perception and memory, but it doesn’t necessary suggest the brain causes those thoughts or memories. Thoughts, perception and memories could take place in a consciousness somewhere separate from the brain, but are then received and processed by the brain. Much like a phone, radio or TV; the signal, the message is created somewhere else, but your cell phone is necessary to receive and process the message. If we were to measure the electrical activity inside your cell phone, we could show certain parts of the cellphone were involved in your hearing the message, but we would not be proving that the message is coming from your cell phone, any more than we can prove thoughts originate within our brains”*.

The opinions of experts that thoughts are born outside the human brain are confirmed, for example, by the ability of people to automatic writing and predict the future, as well as dreams.

Automatic writing. Automatic writing is a writing process that is a product of the unconscious activity of the writer, while a person can be in a state of hypnosis, trance, or be conscious, but not control the writing process. The content of this writing can be meaningful text, notes, graphic images that could not be obtained by the human brain based on the current knowledge of the person. There are numerous supporting facts in the public domain. Obviously, the human brain is not involved in creating the content of such writings.

The ability of people to foresee future events. Foresight is the ability to obtain knowledge about future events, not identical to the ability to draw logical conclusions and predictions based on current knowledge. In the public domain, there are numerous testimonies about the ability of people to foresee future events that concern both an individual or groups of people, and even entire countries, and which could not be

based on the ability of predictors to draw logical conclusions based on their current knowledge. Obviously, such predictions could only be born outside the human brain.

Dreams. A dream is a subjective perception of images (visual, auditory, tactile, gustatory and olfactory) that arise in the mind of a sleeping person. Each of us has seen dreams, information content, visual images and plots (hereinafter referred to as information) which could not be obtained on the basis of current human knowledge. This information could not be received from the human brain and processed in the form of such dreams. Therefore, such dreams could only be born outside the human brain.

The totality of the above evidence and expert opinions indicates that thoughts are born outside the human brain. Where then are thoughts born? Taking into account the evidence presented above, the answer is obvious: thoughts are born in the Universe, in which an enormous amount of information has been accumulated and which is an intelligent system. In other words, the Universe creates thoughts according to its understanding and at the moment determined by the Universe provides a person with access to these thoughts.

What information does a person receive from the Universe in the form of thoughts? Since thoughts are the result of thinking, therefore, a person receives from the Universe everything that relates to thinking. Instinct, habits, skills, experience, perception, cognition do not belong to thinking. Since the result of thinking is thought, concept, meaning, idea, therefore, the Universe decides when, to whom and where to provide access to methods and means of solving new problems, including organizational, economic, political, social, military and many others, to new ideas, discoveries, new technologies, creativity (literature, music, science, any other types of creativity).

In connection with the above, the Universe interacts with man by providing man with access to the thoughts created by the Universe. This circumstance is additional evidence that the Universe is an intelligent system.

THE FUTURE IS PREDETERMINED

The future of man depends on two factors. The first factor is thoughts, access to which the Universe will provide a person at a certain moment of the future, which will give rise to the corresponding actions of a person, which in turn will predetermine his life in the future. The second factor is any random events that may happen to a person in the future that are not related to thoughts, but which may prevent a person from turning thoughts into appropriate actions. Such events may include, for example, accidents that may affect the life (fate) of a person or even end his life.

The first and second factors, together with the prominence of future events, for which there is abundant evidence, indicate that: (1) the Universe knows in advance where, when, to whom and what thoughts the Universe will provide in the future; (2) the Universe knows in advance what random events will happen to a person in the future; (3) when deciding where, when, to whom and what thoughts to

provide in the future, the Universe takes into account what events, including random ones, will happen to a person in the future.

Since thoughts give rise to actions, which in turn predetermine the life line (fate) of a person, a group of people, a country and human civilization as a whole, therefore, the Universe, in addition to controlling the evolution of all objects of inanimate and living nature, also controls the fate of every person, every country and human civilization in general. Thus, the Universe predetermines the fate of every person, every country and human civilization as a whole. No person, no group of people, no country, no humanity as a whole can change their future.

TO POTENTIAL CRITICS

In order to refute the above, a potential critic needs to prove that: (i) the Universe is empty; (ii) material matter was formed from emptiness; (iii) there is no information in the Universe; (iv) all objects of inanimate and living nature existing in the Universe have spontaneously self-organized; (v) the Universe does not interact with man; (vi) the source of thought is the human brain; (vii) the effect of predicting the future does not exist and the future is not known to anyone.

2. REFLECTIONS

This section is devoted to some of my reflections, which, as it seems to me, follow logically from the above facts and evidence.

WHAT DETERMINES THE LEVEL OF ACCESS TO THOUGHTS

As you know, about 5,000 years ago in the valleys of the rivers Nile, Tigris and Euphrates, Indus, civilizations formed and the modern historical period began on planet Earth. Despite the fact that the genotype of people, together with the external environment of the initial period of civilization, practically does not differ from the genotype of modern people and the modern external environment, nevertheless, it is obvious (as far as we can judge from history) that a person of the initial period of civilization had a lower level of access to thoughts compared to a person living in a modern developed society. What is the reason for such difference?

In my opinion, the determining factors are thinking (a type of mental activity, which consists in knowing the essence of things and phenomena of the surrounding world, regular connections and relationships between them, which leads to the appearance of ideas about objective reality), consciousness (a person's ability to explain thoughts and subjectively experience the events of external world) and mentality (views, assessments, values, norms of behavior and morality, mental capacity, religious affiliation and many other nuances that characterize a particular group of people, people, nation).

Obviously, thinking is primary, and consciousness and mentality are secondary, because without thinking there can be neither consciousness nor mentality. Obviously, the development of thinking,

consciousness and mentality are very slow processes. This is evidenced, for example, by the fact that before the appearance of Homo sapiens, who got thinking, consciousness and mentality, many, many thousands of earthly years passed.

It makes no sense to give a high (higher) level of access to thoughts to a person with a low level of thinking, consciousness and mentality, since the thoughts of this level will not entail the corresponding actions of such a person. In addition, if the thoughts sent to a person are too far ahead of the level of development of the society in which this person lives, then these thoughts are not perceived by society at best, and at worst, such a society counteracts these thoughts.

Thus, we can draw the following conclusion: the higher the level of thinking, consciousness and mentality, the higher the level of access to thoughts. Therefore, when interacting with man, the Universe is forced to take into account the level of thinking, consciousness and mentality of a person and the society in which a person lives. In my opinion, the correctness of this conclusion is confirmed by the modern world. Despite the fact that we are all Homo sapiens and practically do not differ genetically from each other, nevertheless, we see that some countries are more developed than others, for example, in political, economic, technological, cultural, social and other spheres. The reason for this difference lies in the level of thinking, consciousness and mentality of people living in these countries, in the level of access to thoughts and in the ability to perceive these thoughts and translate them into appropriate actions that determine the fate of a person, a group of people and the country as a whole.

It is impossible to accelerate the slow processes of development of thinking, consciousness and mentality. The Universe cannot send a person thoughts that go beyond the level of civilization, because there is no sense in this, there will be no result (thoughts must give rise to the corresponding actions of a person, and the society in which a person lives must be prepared to perceive such thoughts). If thoughts cannot give rise to the corresponding actions of a person, and the society in which a person lives is not prepared to accept such thoughts, then such thoughts are useless and the Universe does not give access to such thoughts.

Therefore, in my opinion, any attempts to impose any rules and models of behavior of one society on another society, without taking into account the level of thinking, consciousness and mentality of another society, are doomed to historical failure.

Thus, the following factors contribute to the receipt of thoughts by a person from the Universe: (1) the level of thinking, consciousness and mentality of a person (the higher the level of thinking, consciousness and mentality, the higher the level of access to thoughts), (2) readiness of a person to translate thoughts into appropriate actions (for example, aspiration, professionalism), (3) readiness of the society, in which a person lives, to perceive his thoughts and actions.

The following factors prevent a person from receiving thoughts from the Universe: (1) the states of a person in the active phase associated with his innate instincts (self-preservation, procreation, poor health,

fatigue, stress, unsatisfied biological needs), (2) negative relevant experience, (3) congestion with other thoughts that are evaluated by a person as a priority, (4) the level of thinking, consciousness and mentality of a person (the lower the level of thinking, consciousness and mentality, the lower the level of access to thoughts), (5) a person's unwillingness to translate thoughts into appropriate actions (for example, insufficient level of aspiration, professionalism), (6) the unpreparedness of the society in which a person lives to perceive his thoughts and actions, (7) the impact of external thoughts and information, including the opinions of other people, public opinion, public information, political and economic conditions in society, etc..

WHY THE UNIVERSE SENDS NOT ONLY GOOD, BUT ALSO BAD THOUGHTS

Of course, it can be assumed that there are multidirectional and competing forces in the Universe – some forces send good and kind thoughts, while others send bad thoughts. If we agree with this, then it should be recognized that globalization (that is the unity of opinions and decisions) has not yet occurred in the Universe. Since the Universe has existed for at least billions of years and does not depend on environmental factors (which can hinder the development of a civilization that exists in the material world), therefore, globalization in the Universe should have come a long time ago. In addition, the existence of a struggle of opinions and decisions would manifest and be visible in the processes of chemical and biological evolution, which are controlled by the Universe, which we do not observe. Thus, it can be assumed that good and bad thoughts are sent by the Universe without any contradictions or competition within the Universe itself.

The Universe sends a person not only good, but also bad thoughts, which give rise to murders, violence, wars and other tragedies, since the Universe is forced to adapt to the level of thinking, consciousness and mentality of mankind and the level of historical development of human civilization. The level of thoughts must correspond to the level of the historical development of a person, otherwise these thoughts will not be perceived by a person.

With all the power of the Universe, it cannot accelerate the slow processes of development of thinking, consciousness and mentality of man. The low level of providing a significant part of the Earth's population with basic biological needs (the ability to eat normally, take care of one's health, live in safety, etc.), the difference in the level of thinking, consciousness and mentality among different peoples and nations, the injustice that affects the entire human civilization, the incessant and unstoppable struggle for world domination are the sources for bad thoughts, which “choke out” good thoughts and prevent them from being translated into appropriate actions. Thus, giving access to man to bad thoughts is the Universe's necessary measure, taking into account the level of historical development of mankind in conjunction with the level of thinking, consciousness and mentality of different peoples and nations inhabiting the Earth.

WHAT IS THE UNIVERSE

It follows from the previous chapters that the Universe is made up of quantized space-time (the building blocks for creating mass), colossal amounts of energy (necessary for creating mass), and structured information. At some stage of its development, the structured information of the Universe self-organized to such a level that it turned into an intelligent system, as evidenced by the facts and evidence presented above. *For information:* bits of information have the ability to self-organize, which is proved by the already existing self-learning computer artificial intelligence. As a result, the structured information of the Universe began to use quantized space-time and energy to create objects of inanimate and living nature, and the information accumulated in the Universe to control these objects (see above for proof). In essence, the Universe is a highly developed civilization that has created all objects of inanimate and living nature, including humans, and manages them.

Based on human logic, such a highly developed civilization should have an appropriate organizational structure that provides for the distribution of competencies for the implementation of the relevant activities of this civilization in various fields. If there is a distribution of competencies, then, therefore, this civilization must be inhabited by some intelligent individuals responsible for various spheres of activity of this civilization. The inhabitants of this civilization can exist both in non-material and material form. In non-material - that is in the form of structured information that does not have mass (by analogy, as artificial intelligence created by man exists in the form of a computer program).

The following testifies in favor of the possibility of the existence of the inhabitants of this civilization in a material form: since the Universe creates and controls all objects of inanimate and living nature, therefore, the inhabitants of this civilization, if necessary, can also create a material form for themselves, which has at least all the possibilities and abilities inherent in objects of living nature, including humans (for example: sight, smell, touch, hearing, taste, thinking, consciousness, mentality, experience, instinct, feelings, emotions, and so on). At the same time, the density (that is the degree of concentration of quantized space-time) and the appearance of such a material form among the inhabitants of this civilization can be different and depend on the goals and tasks performed, including taking into account the surrounding material environment in which these tasks are performed.

WHY IS THE UNIVERSE INTERESTED IN MAN

The following was proved above: the Universe has created all objects of inanimate and living nature, including man, and controls them. The Universe has given man thinking and provides access to thoughts born in the Universe. The Universe gives man creativity, technology. The Universe predetermines the fate of each person and the historical development of each country and civilization as a whole. All this indicates that the Universe is interested in man and his development. What is the reason for such an interest of the Universe in man?

Since, as proved above, the amount of structured information in the Universe is colossal and constantly growing, therefore, more and more inhabitants of a civilization called the Universe are born (let's call these inhabitants for brevity the familiar word "souls"). From the moment of its individualization (that is its emergence from structured information and awareness of itself as an individual), a new soul cannot be compared with a mature soul that has passed a certain path of its development. In this regard, by analogy with human society, a young soul must go through the stages of its development (upbringing, gaining knowledge, gaining experience, raising the level of its thinking, consciousness, mentality, and so on) in order to subsequently become an adult and full member of its civilization.

In this regard, and taking into account the above facts and evidence, and also taking into account that the power of the Universe extends to the intangible (that is everything inside the structured information of the Universe) and material (that is all objects of inanimate and living nature) worlds, it is logical to assume that one of the stages in the development of a young soul may be its stay in the material world. To realize the stage of development of a young soul in the material world, the Universe created the Earth (probably not only the Earth), conditions suitable for the existence of a soul on Earth, and also created a material form for a young soul, i.e. a reasonable man (*Homo sapiens*), into which the soul materializes to pass the earthly stage of its development.

Thus, if my logic of reasoning is correct, then man is a young soul (that is a young inhabitant of the Universe), which materializes in a human body to "live" man's earthly life in order to go through one of the stages of his development. At the same time, the earthly stage of development of a young soul can consist of at least several earthly human lives, as evidenced by numerous facts about the memories of many people about their past lives.

Why are we only talking about young souls? In my opinion, the logic is quite simple. It is obvious that human society as a whole is not at a high level of its historical development. Consequently, the level of thinking, consciousness and mentality of man in such a society is also not high. Therefore, it makes no sense for a mature soul to waste its time on "living" the life of a person with a low level of thinking, consciousness and mentality, since the level of thinking, consciousness and mentality of an adult inhabitant of the Universe is much higher than a human one (probably, mature souls are also sent to Earth, but most likely to carry out special missions aimed, for example, to correct the development of mankind). But for a young soul to "live" the life of a person with a low (in the understanding of the Universe) level of thinking, consciousness and mentality may be a useful lesson.

In my opinion, for a young soul to "live" a human life means not only receiving thoughts from the Universe and translating them into appropriate actions, but also a complete "immersion" in human life, which includes feelings, emotions, consciousness, mentality, knowledge, perceptions, habits, skills, experience, etc. This assumption is supported by the fact that human thinking is inextricably linked with consciousness, mentality, feelings, emotions, habits, skills, experience, perception, cognition. For

example: (1) thoughts can arise as a result of feelings or emotions, and vice versa - feelings and emotions can arise as a result of thoughts and corresponding actions generated by these thoughts; (2) consciousness (a person's ability to explain thoughts and subjectively experience the events of the outside world) and mentality (views, assessments, values, norms of behavior and morality, mental capacity, religious affiliation and many other nuances that characterize a particular group of people, people, nation) depend on thoughts.

Therefore, human thinking is inextricably linked with consciousness, mentality, feelings and emotions. In the same way, thoughts correlate with cognition, perception, skills, experience, habits. Thus, in order to "live" the life of a person, a young soul must completely "immerse" in human life and receive the appropriate lesson of its earthly stage of development. This logic is supported by the fact that the vast majority of people do not remember their former material and non-material lives, since, according to the design of the Universe, nothing should distract from the complete "immersion" of the soul in human life. In addition, if it were only about the soul receiving the thoughts of the Universe, then there would be no point in the earthly materialization of the soul, since the thoughts of the Universe can be received without the earthly materialization of the soul.

Previously, it was always obvious to me that the self are my body, my thoughts, my consciousness and mentality, my knowledge, my achievements, my actions, feelings, emotions, my life in general, etc. This is understandable and close to everybody. Despite the fact that I have read and heard about the existence of the soul (according to religious and some philosophical teachings, the soul is an immortal substance, an intangible essence in which the divine nature and essence of man are expressed, his personality, which gives rise to and determines his life, the ability to sense, thinking, consciousness, feelings and will, usually opposed to the body), however, I was tormented by questions: Where is the evidence for the existence of the soul? Maybe it's just a religious-philosophical fiction? If the soul does exist, then where did it come from? For what purpose does the soul incarnate in man? What does this soul have to do with me and my life? How should I treat my soul, and why should I take care of it? And what kind of life after death are we talking about if I am mortal? In other words, in religious-philosophical reasoning, I clearly lacked appropriate evidence, persuasiveness and clarity.

Now, the above facts, evidence and logical reflections have put everything in its place, at least for me personally. I am a young soul born of the Universe, materialized in a human body to go through the earthly stage of its development. At the time of my earthly materialization, the self are my body, my thoughts, my consciousness and mentality, my knowledge, my achievements, my actions, feelings, emotions, my life in a human body. At the time of my earthly materialization, the self and the body, into which I materialized, are equally important to me, since I cannot live my earthly life without a body.

However, in a global sense, the soul is more important than the body, because: (1) my soul is me, and my body is a temporary materialization necessary for life on Earth, (2) I will continue to live after the

death of my current human body (see numerous facts about the memories of many people about their past lives). I am going through the earthly stage of my development. After the death of my human body, I will go to the Universe and continue my life so that sometime in the future, having matured, I will become a full member of the global civilization that the Universe is.

Thus, following this logic, the Earth is a kind of structural subdivision of the Universe, created by the Universe to perform the function of a nursery (kindergarten / school) for the development of young souls.

Interestingly, the Universe or the soul decides when, where, into whom and how many times the soul materializes to pass the earthly stage of development? I think that this decision is made by the Universe, since the Universe knows better when, where and what kind of development a young soul should receive in general and during earthly materialization, in particular. In support of this assumption, a simple analogy suggests itself: the teacher assigns homework to the student, and not the student decides what homework is best for him and whether to do it at all or not.

WHAT LESSONS DOES THE SOUL PERFORM DURING ITS EARTHLY MATERIALIZATION

Since: (1) the Universe knows in advance where, when, to whom and what thoughts the Universe will provide in the future, (2) the Universe knows in advance what events will happen to a person in the future, (3) the Universe predetermines the fate of each person, (4) the Universe directs to Earth a young soul for its passage of its development, (5) the Universe decides when, where and in whom the soul materializes for its passage of the earthly stage of development, therefore, the Universe sets the soul for the time of its earthly materialization a very specific kind of homework that cannot be changed by the soul and must be fulfilled. Thus, the soul during its earthly materialization does not have the opportunity to change its homework.

Such an assumption is also logical because the Universe has all the necessary capabilities (see above) for the soul to learn the lesson of its earthly development predetermined by the Universe in the best possible way. It would be absolutely illogical, if the Universe, with all its above-mentioned possibilities, would give the young soul the right to choose its development, that is to do homework or not. In other words, in the course of its earthly materialization, a young soul necessarily receives the lesson that the Universe asks it.

The foregoing indicates that the homework that the Universe assigns to the soul at the time of its forthcoming earthly materialization depends on the level of development of the soul, taking into account the results of previous homework, including the previous materializations of the soul, and on those tasks that, in the opinion of the Universe, should be fulfilled by the soul in the course of its forthcoming earthly materialization. In other words, the Universe predetermines the fate of the soul at the time of its earthly materialization in advance (hence the phrase “there’s no escaping fate”). After that, the question is decided, into whom exactly the soul should materialize in order to complete its homework.

In my opinion, for these purposes, at least the following main criteria are taken into account: the time, place and country of birth of the person in which the soul materializes, his parents, their genetics and character, the financial situation and social status of the parents, the level of thinking, consciousness and mentality of his parents, thoughts that the Universe will provide in the future to his parents, the fate of his parents, thoughts that the Universe will provide in the future to a person in whom the soul materializes, his future level of thinking, consciousness and mentality, his health, his character, events, including random that will happen to him in the future.

These criteria, as well as different fates of people from history and from our modern life, may indicate that the homework of the Universe for souls at the time of their earthly materialization is different for different souls. It is logical that homework for a soul in a human body with a low level of thinking, consciousness and mentality is much more primitive, which does not mean easier homework for a soul in a human body with a higher level of thinking, consciousness and mentality.

It is obvious that the Universe does not stand aside, watching the soul do its homework. The Universe helps the soul to do its homework. In particular, the Universe has given mankind religions, which say a lot about how to go through the earthly stage of the development of the soul correctly and better, and faith in God is designed to help the soul go through this far from easy stage of earthly materialization.

IS THE UNIVERSE GOD?

Taking into account the above, what people call God is actually the Universe that controls the destinies of people, countries and human civilization as a whole. Therefore, for people, the Universe is God. God or the Universe, whatever you call it, for people the essence of this does not change. Since the Universe is one, then God is one, regardless of how God is called and understood in various religions.

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