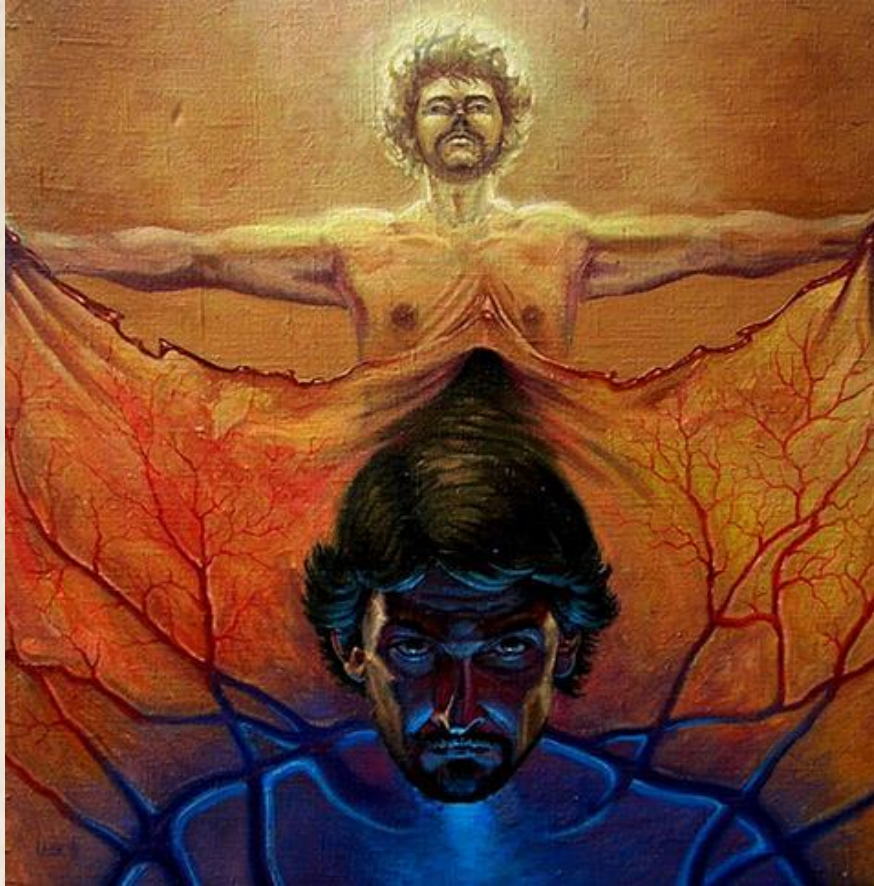


Hidden Knowledge

The New Cosmic Philosophy

Volume II



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An amateur's essay on the Universe ...
Who are we? Where are we from? Where do we go?
A Human being, his Worlds, his Gods...

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1. **CONCEPT and CONCEPTUAL thinking of the human beings**

One of the main problems practically of every scientific article dealing with “unexplored” things is the author`s use of individual words-concepts.

Reaserchers use the words that are closely connected with their subjective views, i. e. these words are initially connected with their personal thoughts, which they expressed in words. It occludes the readers` comprehension.

Мысль (Мысл) = Мы і Слово

In the Russian language the word Мысль (Eng. thought) is similar to the word combination Мы і Слово (Eng.: We and Word).

“A human being has conceptual thinking. We designate every thing, phenomenon, event by a certain word. This word is a concept. We designate a certain thing as we understood it, by appropriate concept (word, mark or name). We think, i. e. we handle familiar concepts in our mind, we put them together.”

Yuriy Larichev

[“About the main things.”](#)

**CONCEPT is
a subjective description (designation) of one
or many characteristics of a cognizable object,
process or phenomenon, using one`s LANGUAGE.**

**CONCEPT is
a reflected in one`s thinking unity of characteristics,
connections or relations of an object, process or
phenomenon.**

To avoid double meaning, the authors will pay a lot of attention to the TERMINOLOGY (the interpretation of words-concepts). It will improve the exchange of information about the World (in the broadest sense of this word), i. e. it minimizes possible misunderstanding between the writer and his readers. In fact, this information is based on the author`s perception of the World.

“Term (from Latin ‘terminus’, which means a limit, a border) is a word or word combination that is the name of a certain concept.

Terms serve as specialized, restrictive designations for certain things, phenomena and their characteristics and relations. The common words are polysemic and emotionally-colored, while the terms within one sphere are monosemantic.

Terms exist within a certain terminology, in other words, they are a part of a certain language vocabulary, of a certain terminology. The terms aren’t connected with a context as the common words are. Within this system of concepts, the terms must be monosemantic, systematic, unmarked.

Terms and non-terms (common words) can coincide with one another.”

From Wikipedia – free encyclopedia



The higher beings directly use perceptions instead of words-concepts.



The terms the author connected with COMMUNICATION concept he described in more detail in the XVI “COMMUNICATION” Volume of “The New Cosmic Philosophy” book series (author`s note).

2. The subjectivity of cognitions

2.1. THE POINT OF VIEW

People constantly use in their speech such word combination as POINT OF VIEW. We constantly hear “from my point of view”, “this is my point of view”, “you changed your point of view”. But very few people ponder what is POINT OF VIEW, actually.

Everyone knows when changing POINT OF VIEW, you can see something new in a cognizable object, i. e. something unknown (hidden, nonvisual) for some one.

It's better to analyse an object, process or phenomenon from different POINTS OF VIEW, that helps to avoid preconceived (incomplete) opinion.

Investigating the POINT OF VIEW concept, one can notice that to formulate own POINT OF VIEW one must use the BODY during cognition:

- ***As instrument for personal perception (manifestation).*** Finally, it helps to formulate THOUGHTS based on processing the data which were manifested by own body;

- ***As instrument for familiarization with the result of one`s perception*** (manifestation). Finally, it helps to familiarize with other beings` THOUGHTS they received when processing perceptions of their own bodies;

It turns out that during THINKING one can process both data his BODY received and data received by the BODIES of other ones.

As a result of thinking, one`s POINT OF VIEW is formulated – the POINT OF VIEW of the PERSONALITY of a human being.



The terms the author connected with the BODY concept he described in more detail in the IV “BODIES” Volume of “The New Cosmic Philosophy” book series (author`s note).

“Thought is expressed by words feeling (or perception). The more concrete concept is, the clearer is a thought. The larger conceptual construct is, the smarter is a man. The richer language is, the smarter are people.

And for you there is no difference whether you see a tree in the reality or just imagine it. Encephalogram shows the same reaction of your brain in these two cases. It doesn`t care: the brain lives its life, slightly distracted by external stimuli.”

Yuri Larichev
[“About the main things”](#)

**THOUGHT is
PERCEPTION formulated by one using familiar
CONCEPTS.**

“So, words help you to express your thoughts. Simply said, these designations are nouns...

What is your way of thinking, of using concepts?

What is your way of thinking, of using concepts?

You do logical actions: connect, disconnect, compose, compare, close, etc. You can call these actions as verbs or figures....

To think means to act.

As you see, the Magi were interested in the nature of thinking from the earliest times. The exact words they have invented for you will help you not to show self-confident arrogance to your ancestors. And do not look for the new things, look for the eternal ones.”

Yuri Larichev

[“About the Main Things”](#)

**THINKING is
one`s complex of logical actions when handling
appropriate CONCEPTS.**

It also worth mentioning that there is such concept as time for bodies made of material substances, i.e. POINT OF VIEW is always connected with a time period of one`s perception of an object, process or phenomenon.

**POINT OF VIEW is
one`s THOUGHT, which is formulated during
THINKING in a certain period of time, using a certain
BODY as an instrument for manifestation
(perception).**

So, it`s very interesting. Practically every second any one forms his/her own POINT OF VIEW on all cognizable objects, processes and phenomena that one faces in his/her activity. That`s why “a certain period of time” is so important. Every second a human being cognizes the World, every second the amount of systematized information increases. Accordingly, at each certain period of time, a human being forms his POINTOF VIEW on the basis of processing the data received during certain periods of time. So, it turns out that one`s POINT OF VIEW can change in course of time.

Practically, the whole life of a human being consists of thinking and development of peculiar POINTS OF VIEW.

The activity of a human being leads to increase of the witting about cognizable objects, processes, phenomena he/she has systematized (generalized). It leads to “widening” of one`s CONSCIOUSNESS and change of (correcting) one`s POINT OF VIEW, since POINT OF VIEW is the result of THINKING (the result of processing increased amount of data).



The BODIES of a human being don`t have their own POINTS OF VIEW, they have only their functionalities and peculiar places in the Universe. The ENTITY of a human being uses them only as instrument for MANIFESTATION (PERCEPTION).



The terms the author connected with the ENTITY concept he described in more detail in the IX “ENTITIES” Volume of “The New Cosmic Philosophy” book series (author`s note).



POINT OF VIEW is subjective. As, for instance, the PERSONALITY of a human being during cognition uses a certain “dense” BODY of a human being with individual characteristics of its parts (receptors, receiving and transferring information channels (of central nervous system), processor (of cerebrum) and so on);



The terms the author connected with the PERSONALITY concept he described in more detail in the XIII “PERSONALITIES” Volume of “The New Cosmic Philosophy” book series (author`s note).

That`s why to change POINT OF VIEW of a human being it`s necessary to:

1. To change the “position” of a human being BODY. For instance, to realize how cold is it in the ice-hole, you just need to dip your “dense” (corporeal) BODY in it.
2. To change POINT OF VIEW of the PERSONALITY of a human being, having studied the information other ones have accumulated and systematized.
As an example, you can
 - study information about the unusual characteristics of water in certain days of the year;
 - study information about religious and profane holidays and rites related to water;
 - study scientific information about the physical and chemical characteristics of water;
 - study medical information about water benefit for a human being organism;
 - study about water healthfulness from the folk-medicine;
 - and so on.

It leads to increase of the witting amount the Personality of a human being has systematized and POINT OF VIEW of the Personality can change as a result of processing new data.

3. To simultaneously change the “position” of a human being BODY and the POINT OF VIEW of a human being PERSONALITY. As an example, having learned information from paragraphs 1,2 a human being begins to celebrate baptism of Jesus every year (Christian holiday the church established in honor of the baptism of Jesus Christ by John the Baptist in the Jordan River). Every year, on the 19th of January, a human being begins to dig into an ice-hole with a great pleasure. And one doesn't care about the temperature of water in this holiday, which is 5 C⁰, and the water temperature in the Jordan River does not drop below +25 C⁰ year-round.

That's why the definition of the POINT OF VIEW concept is the following for the Personality of a human being:

**POINT OF VIEW is
a THOUGHT, which is formulated by the
PERSONALITY of a human being during THINKING in
a certain period of time, using a certain BODY of a
human being as an instrument for manifestation
(perception).**

Actually, there are more interesting variants of change of the human being point of view, although they are quite rare. As an example, an involuntary periodic change of the PERSONALITY of a human being. This may sound like a fantasy or a lie, but it is already confirmed scientific facts.



The facts in favor of periodical change of a human being PERSONALITY, using the example of William Stanley Milligan, known as Billy Milligan (d.o.b. February 14, 1955) who had “multiple personality” diagnosis, the author will describe in detail in the XIII “PERSONALITIES” Volume of “The New Cosmic Philosophy” book series (author`s note).

That`s why I assert that everything I will write later will be repesented from my own POINT OF VIEW!

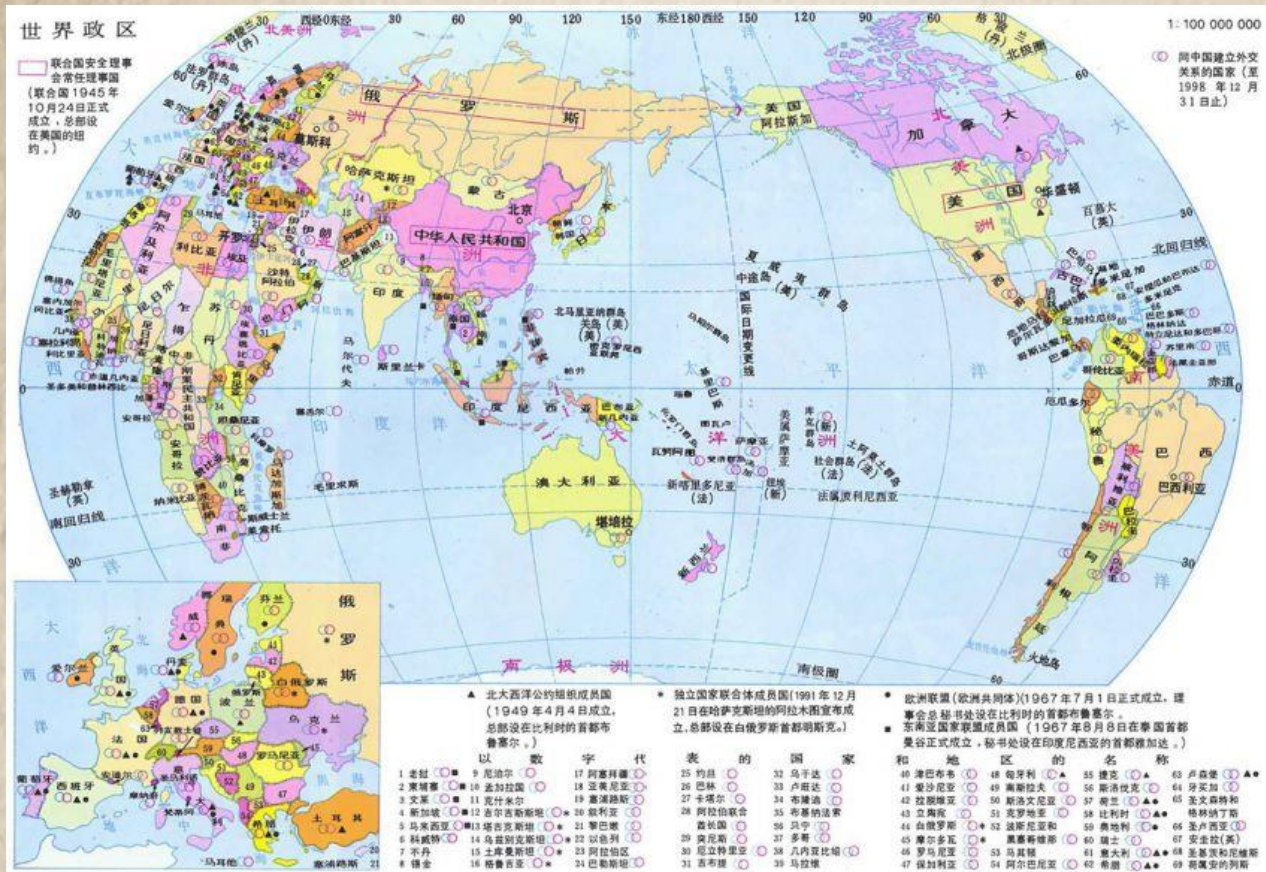
2.2. Maps of the Earth from “different points of view”

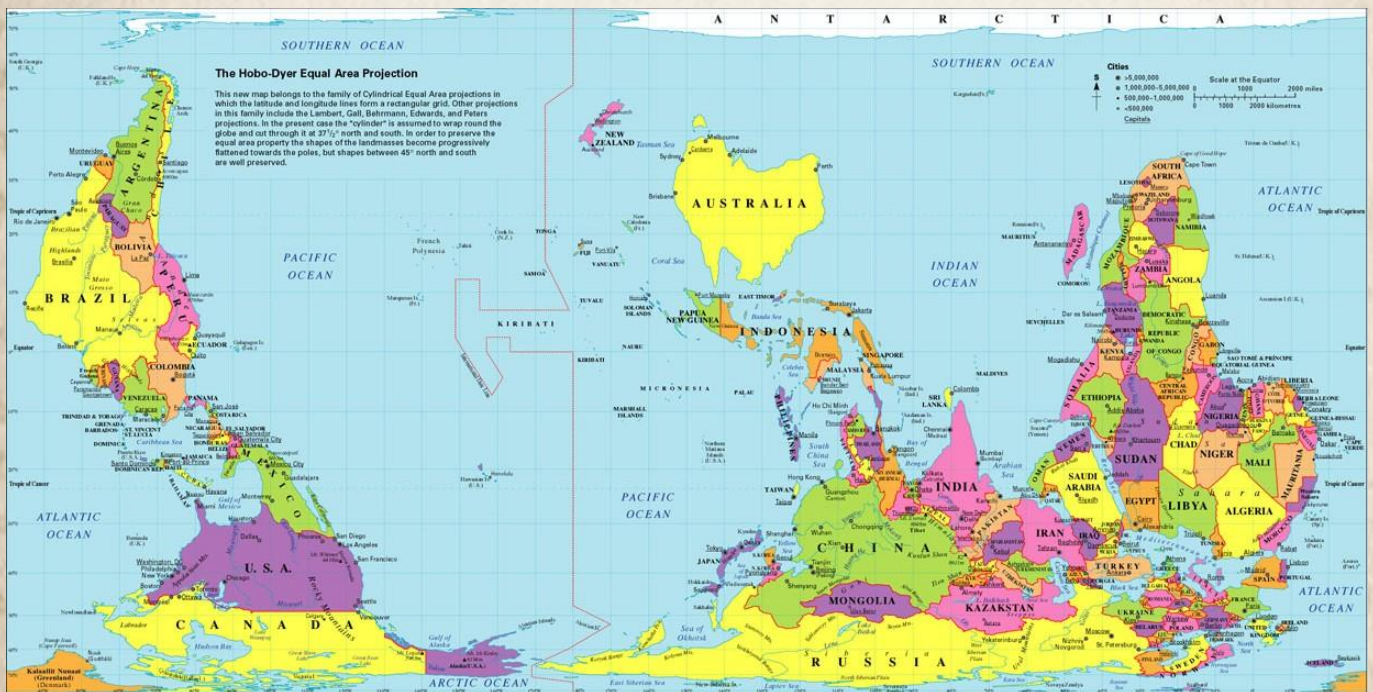


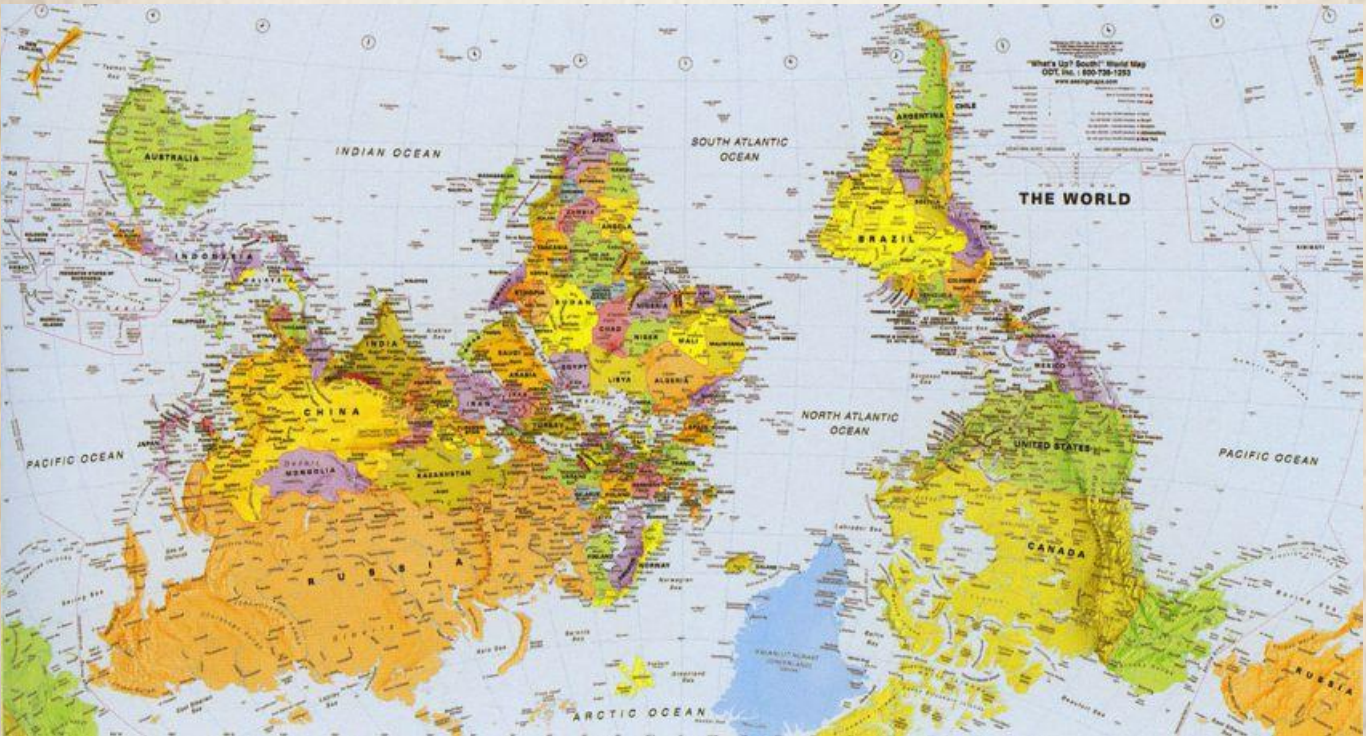
The geographical and political maps of the Earth confirm the subjectivity of cognitive processes, they were produced in different countries of the World. Every country “thinks of itself as the center of the universe” and places itself in the centre of the map. Let`s try to guess where was this or that map produced ...

Of course, the first map was produced in the former USSR.











The map below is called [Peters map](#). It was created by Arno Peters in 1973, he represented surface of the Earth in its undistorted form.



2.3. Objects, processes and phenomena from different “points of view”



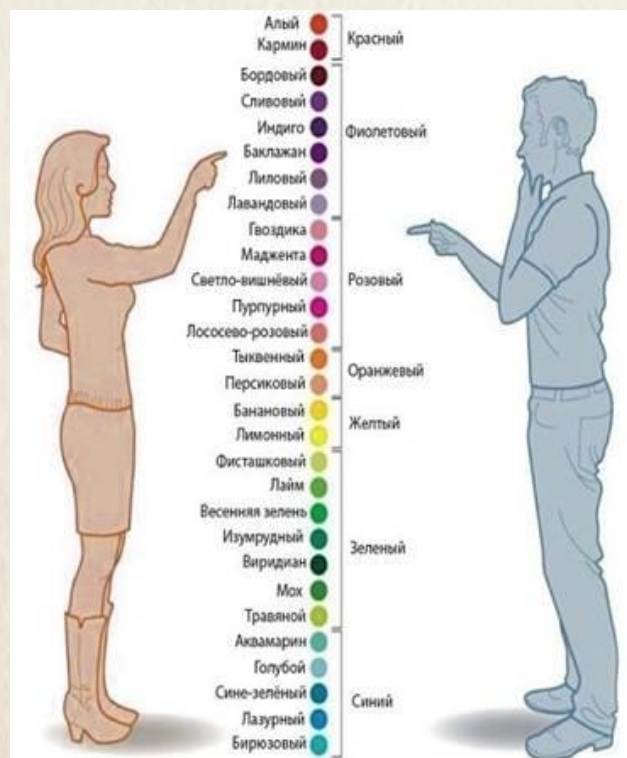
It turns out that if two individuals (oligarch and homeless) say the same phrase, it does not mean that they will talk about the same object, phenomenon or process.

For instance:

- I have eaten enough;
- I had a wonderful rest;
- I earned good money;
- and so on.

To better understand the subjectivity of people World, just look at the pictures below, enjoy them and clarify this issue.

As it's said, there is a grain of truth in every joke ...



3. **MANIFESTATION (PERCEPTION) as the main method of people cognition**

“Judging from the fact that every thing consists of the variety of perceptions, and perceptions are formed in the brain, then we can be sure of existence, at least, of one World – the World of perceptions. Our World is outlined, sounded, painted, that is, formed in our brain. This is the only world existence and structure of which we can easily describe.”

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During cognitive process, the information about states of SOMETHING comes to receptors of one`s body as concrete values of concrete physical quantities. Then something is transformed into sensations of the body, on the basis of which the information represents as objects, processes and phenomena.

**MANIFESTATION (PERCEPTION) is
a cognitive process during which one manifests
information about SOMETHING`s states as sensations,
then one reflects them as objects, processes,
phenomena.**

MANIFESTATION (when one receives information about SOMETHING through sensations) can take place at any periods of cognition – receiving, accumulation, storage, transformation, processing or systematization of data on states of SOMETHING.

Why is MANIFESTATION (PERCEPTION) the main method of people cognition?
Because you can cognize SOMETHING only when **seeing** (object, process, phenomenon, instrument readings ...), **hearing** (object, process, phenomenon, sounding of devices ...), etc., that is, using one's body as a tool for manifestation. There is no way without doing this ...

It is the “dense” BODY of a human being, which is the instrument for cognizing the World.

TYPE of PHYSICAL QUANTITY is qualitative precision of physical quantity (e.g.: size, mass, frequency, speed, temperature, etc.).

VALUE of PHYSICAL QUANTITY is the size of quantity as some number of appropriate for it units.

SIZE of PHYSICAL QUANTITY is the quantitative determination of a physical quantity, which is particular to certain object, process or phenomenon. The size of a physical quantity is expressed by its value as numerical value (that is, an abstract number) and a unit of measurement.

The article under the title "[Who hides behind a material substance?](#)" is published on the website "Harmony" of the Academy for Development of Aptitudes. The part of it is published below without any changes and allows you to look at "material substance" from another point of view

"The Universe with its electrical signal"

Any information about our World comes to us through five perceptives. That is, we cognize the world by our eyes, hands, by breathing smell, feeling the taste by our tongue, and hearing sounds by our ears. From the day of our birth, we completely depend on these perceptives and cannot even suggest that the world we see can be another one, different from the existing World, which is perceived through these feelings. The recent studies in different fields of science have changed the worldview and caused serious doubts about the World we see. The cognizable outside World is an image in our brain as a result of transfer the information about it through electrical signals. The ripeness of an apple, the hardness of a board, your mother or father, your things, the house, the work and the page of this book consist of atoms, and we sense their structure and properties through electrical signals and impulses of these atoms perceived by the brain. To fully cover this topic, first of all, let`s talk about feelings and perceptives we perceive and cognize the outside world through.

How do we see and taste?

The vision is the result of a complex and multistage process. The beams of light emanating from an object are refracted, penetrating through the lens (crystalline lens) of an eye, and fall on its retina. The energy of light with its cells is converted into electrical signals, which are transmitted through the optic nerve to the occipital part of the brain, which is called the visual center. After a series of chemical transformations and processes, this electrical signal is

perceived by this center as an image. That is **the vision takes place in the back of the brain, where the light never penetrates at all.** Once again, let`s carefully consider, what we already know: when we say “I see”, in fact, I see the “effect” that has occurred in the brain as a result of converting light into electrical signals. That is, **when I say “I see”, I actually look through the electrical signals deciphered by the brain, which were received by it from the outside world.** All amazingly bright and accurate images we see throughout the entire life are formed in the visual center of the brain and have a size of a few cubic centimeters. The lines of a book, which were read by someone, endless horizon, vast expanses and beauty of a nature are formed in this small part of the brain. There is one more circumstance we must not lose sight of. We have already said that the human skull does not let out the outer light, which means that there is a full darkness in our brains, that is, light can not directly affect the brain.

Let`s consider this fact in the context. Let`s suggest that there is a candle in front of us. We can look at it for a long time, but the brain cannot contact a candle fire. Even if we keep looking at this candle, there is a complete darkness inside our skull and brain, but we see a light, bright, colorful world in this dark brain. The professor of bionics at the University of Edinburgh, R. L. Gregory, explains the miracle of our vision, which we perceive without any doubts as a habitual and ordinary process in the following way: “We are so used to think that deeper consideration is required when dealing with problems. Take this into account. There are small inverted images in our head, but we see appropriate images of the objects around us. **We perceive the world as a result of images on the eye retina, and this process is nothing more than a great miracle.** We do not even know how image is projected onto the retina, we just consume ready-made pictures of the image. The same is with other organs of senses. Hearing, touch, taste, smell - each of these sensations and perceptions is separately transmitted to the brain as an electrical signal and perceived by the corresponding centers of it. Here is sound perception of information: the outer ear catches sound waves and vibrations and transmits them to the middle ear; the middle ear, in its turn, amplifies sound vibrations, and transfers them to the inner ear; the inner ear transforms these oscillations into electrical signals and transmits them to the auditory center of the brain. Hearing, like vision, takes place in the

auditory center of the brain. **However, one should remember that sound, as well as light never penetrates in the skull directly. And no matter how loud it is outside, inside the brain there is always total darkness and absolute silence.** Despite this, the human brain clearly perceives different sounds. This is really a unique characteristic of our hearing - a healthy person hears all sounds without disturbances and rushing. The brain, where no sound penetrates to, can hear with perfect clarity the symphony of the orchestra, noise of the crowd, rustle of the petals, rustle of grass and many other sounds in a wide range of frequencies, up to the noise of jet planes. But if one measures at this moment the sound level in your brain with the help of the most sensitive device, then it turns out that there is absolute silence. The perception of smell has the same principle. Smells are microscopic chemical particles spreading from the surface of objects, that is, molecules. For example, what we perceive as the smell of fresh brewed coffee, in fact, is the volatile aromatic molecules of these grains. The difference between smells is explained by the difference in the chemical structure of their molecules, which are based on very subtle principles and laws. So, for example, a change in the structure of a molecule, even of one carbon atom can make a pleasant smell completely unbearable. Every time we breathe in a mixture of gases through the nostrils, which consists of trillions of molecules. This mixture we call air. It contains the microscopic molecules of smells that are invisible with the naked eye. The part of air we breathe in is sent by special turbine bone structures of the nasal cavity to the zone of smells perception. Thus, the molecules of smell reach the olfactory receptor zone in the upper part of the nasal cavity. The receptors transform information about the molecules that have penetrated here into electrical signals, and the olfactory center of the brain simultaneously and operatively analyzes all signals received from different olfactory receptors. The result of it is a feeling, which is called smell. So, pleasant and unpleasant smells are perceptions of the brain as a result of the stimulus transformation of volatile molecules of smell into an electrical signal. The smell of perfume, flowers, favorite dishes, the sea and any other smell, whether you like it or not, is perceived only by the olfactory center of the brain. The molecules of smell themselves will never penetrate into the brain. **Smell, like a sound and a vision, is just an electrical signal coming into the brain.** Therefore, the smells

since the day of your birth are electrical signals that are felt through the organs of senses.

Now let`s discuss the mechanism of taste sensation. Everything we drink or eat consists of many different taste molecules. And our tongue – a wonderful chemical laboratory – unerringly distinguishes innumerable molecules of different structures. So, let`s consider the structure of our “smart” tongue. Taste cells are located only on the surface of a tongue, in the certain areas of the oral cavity. The taste cells of a tongue are organized as so-called taste buds, and taste buds are built into bigger structures – buttons. The gustatory buttons are those tiny bulges that make the surface of a tongue rough. They are on the upper and lateral surfaces of a tongue; their number reaches 10.000. The studies showed that our taste system distinguishes five basic tastes: sweet, salty, bitter, sour and umami (encreasing taste of protein substances). The tastebuds modify perception into electrical signals after a series of complex chemical reactions and transmit it to the brain. The brain perceives these signals as a taste. The taste of a chocolate or fruit you eat is just the brain`s perception of electrical signals. But you will never comprehend an object outside, you cannot see, smell and taste a chocolate itself. If the taste nerve is damaged (cross-sectioned), information about taste isn`t available for the brain, and a person is completely deprived of taste sensations. In this situation, a person eats food, but is completely devoid of taste sensations. Here we come across one more logical conclusion. **We cannot be sure that few people who taste one and the same dish or hear one and the same sound, perceive and sense them in the same way.** Here is what Lincoln Barnett writes about it in his book “The Universe and Einstein”: “No one can know that red color he saw or “do” note he heard will be perceived in the same way by someone else.” This statement is for cause and in relation to tactile sensation. **When you touch any object, information the outside world is cognized through, is sent to the brain as electrical impulses through numerous sensitive nerve endings of a person skin.** The tactile sensation is also formed in the brain. Sense of touch doesn`t occur at the fingertips or skin, as we think, but in the center of the brain`s sense of touch. As a result of electrical signals coming into our brains, we feel hard or soft, hot or cold and any other characteristics of objects. Even the smallest details

necessary for object identification, we cognize through these signals. The well-known philosophers Bertrand Russell and A. Witheinstein say about it: "We cannot ask, investigate, or check if there is a lemon in fact, and the result of which process it exists. One can taste lemon, smell it, see its color and shape, and only these characteristics can be the subject of researches and judgments. Science cannot cognize the essence of the material world." That is, one cannot reach the material world itself. The objects actually consist of a set of sensations perceived through vision, hearing, touch, smell. **The brain receives information from the centers of perception, and forces us throughout the entire life to face not with the "original" of a material substance, but with its copy, which is formed in it, i. e. in the brain.** We accept these copies for a real material substance.

The World inside our brain

The already mentioned physical facts lead to the logical conclusion: all things we see, touch, hear, and call "material substance", "world", "Universe" are electrical signals. These signals reflect from some outside objects or resources of energy that are transmitted to the brain and form a visual, taste, tactile, smell, or sound information in it. For instance, a human being who is eating some fruit contacts in fact, with perception in the brain, but not with the original. A person doesn't see the original. When describing a "fruit", a person receives decoded electrical information about its shape, taste, color, smell, hardness, etc. If you cut the optic nerve, the image of a fruit disappears. The connection between receptors of a nose and nerve of the olfactory center of the brain is broken, it will lead to a loss of smell, since a fruit, like any other object, is a consequence of electrical signals perceived and decoded by the brain. Another circumstance to think about is sense of space. Space, for example, the distance between a book and you, is a feeling of emptiness in the brain. **These are things that seem to be so distant, but in fact, are inside our brain.** When a person looks at the sky and sees the stars, it seems that they are a few million light-years away from him. However, the stars are reflected at the same time in the visual center of the brain. When reading these lines, you suggest that you

are sitting in a room, although, on the contrary, a room is in your brain. Ability to see your body helps to believe that you are in a room. But do not forget: **your body is also perception of the brain**. The same is with other sensations. For example, you think that the sound of a TV is heard from the next room, but actually, it is inside your brain. And it's impossible to prove the existence of a room itself and a TV in it. The sound seems to be heard from a distance of several meters and the conversation of sitting next to you person is perceived in the auditory center of the brain, dimensions of which are only a few square centimeters. **Outside this center of perception, there are no concepts on right, left, front and back**. That is, sound doesn't come from right, left or top; there is no direction the sound would come from. The same is with perceptive smells: none of them reaches you from a long distance.

The effects in the brain center are perceived as smells of outside substances. Meanwhile, the image is in a visual center, and smell of a flower is in the center of olfaction.

Thus, **“the outside world” we cognize through perception, is nothing more than a complex of electrical signals**. The brain receives signals throughout our entire life. **We continue to live, taking received through electric signals images, sounds, tastes or sensations for a real, genuine material substance, whereas we cannot be sure in doing this**. It's interesting, will one ever be able to comprehend what is actually outside the brain?

The signals that we take for “the outside world” are perceptive and sense bearing thanks to the brain. Here is the example of auditory perception. The brain perceives and modifies sound waves into the symphony. That is, a music is perception of the brain. **We see colors, but in reality, they are just light waves of different lengths**. These waves are transformed into colors thanks to the brain activity. Maybe, there are no colors in the “outside world”: apples aren't red, sky isn't blue and trees aren't green at all. **The “outside world” depends only on the brain activity of percipient**. Thus, a small damage in the retina causes a color blindness. Someone perceives blue color as green, someone – red as blue, and someone – all colors in gray tones. After all, the type of an object

*doesn't matter – whether it's colored or colorless. The famous philosopher J. Berkeley focuses on this fact by saying the following words: “Originally it was believed that colors, smells and all other perceptions ‘really exist’”; but after a while these views were rejected, and it turned out that **all this exists thanks to perception of the brain.** We see objects in colors not because they are colored or exist as material substances, we cannot know this, because **all the characteristics of things existent, material substance aren't in the “outside world”, but in our brain.** Well, then can we say that we know exactly what the “outside world” is?”*

“[Who hides behind a material substance?](#)”

“Harmony”, the Academy for Development of Aptitudes

**MANIFESTATION (PERCEPTION) is
a cognitive process, which forms a subjective picture
of the World.**

**THE CHANNEL OF INFORMATION ENTRY AND
PROCESSING is a specialized anatomical
physiological system in one's BODY. It provides with
information obtaining, transfer and delivery from the
specialized receptors of the BODY to the unit of
information processing and appropriate solutions.**

4. The basic words-concepts of this research

4.1. INDIVIDUAL

INDIVIDUAL is an object with ability to cognize.

Firstly, I'd like to emphasize that the word-concept INDIVIDUAL, if we are talking about a human being, isn't so clear-cut as may seem at first sight. This word is closely connected with other words-concepts such as PERSONALITY of a human being, BODY of a human being, ENTITY of a human being, ORGANISM of a human being, etc.



The terms the author connected with the BODY concept he described in more detail in the IV "BODIES" Volume of "The New Cosmic Philosophy" book series (author's note).



The terms the author connected with the PERSONALITY concept he described in more detail in the XIII "PERSONALITIES" Volume of "The New Cosmic Philosophy" book series (author's note).



The terms the author connected with the ENTITY concept he described in more detail in the IX "ENTITIES" Volume of "The New Cosmic Philosophy" book series (author's note).



The terms the author connected with the ORGANISM concept he described in more detail in the VI “ORGANISMS” Volume of “The New Cosmic Philosophy” book series (author`s note).

I want to stress that not all objects that are “parts” of a human being entity have ability to cognize.

The author quoted the phrase “parts” for reason. If we are talking about a familiar substance, then the reader more or less understands this expression. And try to answer a simple as one would think, question: “Does the television program, which is broadcasted by the television center, is a part of a human being?”. And the answer to this question will be not so simple ... But a signal of the television center is in the body of a human being as electromagnetic oscillations.

The main feature of a cognitive activity of a certain object is the systematized (generalized, recognized) information about the World (in the broadest sense).

But we will discuss it a little bit later ...

4.2. SUBSTANCE

“The Universe consists of a single matter which I call a substance. This is the unity, or monism.”

Konstantin Tsiolkovsky
[“My philosophy”](#)
1932

**SUBSTANCE is
the result of one`s perception (manifestation)
of the World (in the broadest sense of this word).**

But an individual can manifest a certain part of the World (in the broadest sense of this word) while another one cannot do it. That`s why we can suggest for the goals of this reseach that:

**SUBSTANCE is
a philosophical category for designation of a physical
substance, which regards as objective reality and
exists independently of one`s sensations, i. e.
objectively.**

“... Under no circumstances I take our perceptions for precise reflections of the reality. Firstly, we perceive not much of anything existing, secondly, different animals or human beings have their own unique World of perception, which depends on the mechanism and level of their feelings and brains` sophistication (while space is one and the same) and thirdly, this reflection isn`t only incomplete, but also very distorted one. Although, it has little in common with the Universe, but gives some idea about it. The mirrors of different forms reflect ONE and the same OBJECT in different ways. So, the same is with the World that represents different ideas about itself, when reflecting in different brains. But it doesn`t prevent theWorld from being permanent.”

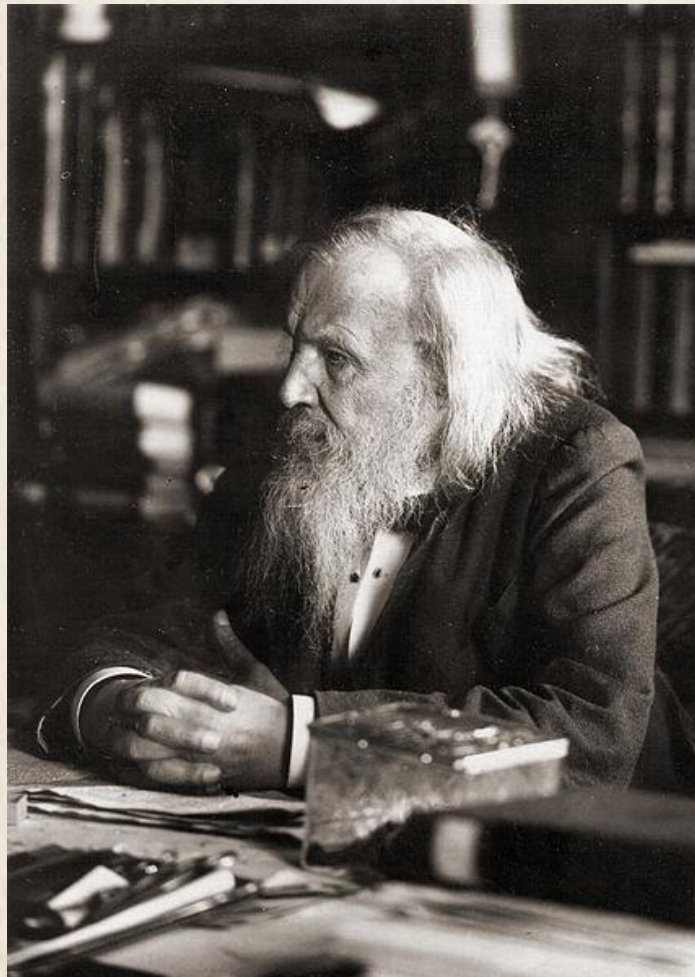
Konstantin Tsiolkovsky

[“Ethics or the natural basis of morality”](#)

1902 - 1903

4.2.1. MATERIAL (has “clear” physical nature)

The objects the basis of which is this kind of a substance, are referred by the scientists to the objects with “clear” physical nature. These are more or less familiar things such as table, chair, tree, plane, and many other things... The outstanding scientist, D. I. Mendeleev, clarified this issue a little bit.



D. I. Mendeleev in his office (The main room of measures and weights, Saint Petersburg).

Dmitri Ivanovich Mendeleev (/ˌmɛndəlˈeɪf/; Russian: Дми́трий Ива́нович Менделеев; IPA: [ˈdmʲitrʲɪj ɪˈvanəvʲɪtɕ mʲɪndʲɪˈlʲejɪf] (8 February 1834 – 2 February 1907 O.S. 27 January 1834 – 20 January 1907) was a Russian chemist and inventor. He formulated the Periodic Law, created a farsighted version of the periodic table of elements, and used it to correct the properties of some already discovered elements and also to predict the properties of eight elements yet to be discovered.

The scientists from many countries, especially from Germany, consider Lothar Meyer to be the co-author of this discovery. The essential difference between these two systems is that the table of L. Meyer is one of the variants for classification of already known chemical elements; the periodicity discovered by D. I. Mendeleev is a system that clarified regularity, which determined the place of all unknown elements, and predicted not only their existence, but also characterized them.

**SUBSTANCE (in chemistry) is
a physical substance with chemical composition.**

“Every substance has a set of specific characteristics: objective ones that determine the distinction of a particular substance from all other substances. The most typical physicochemical characteristics include such constants as density, fusing temperature, boiling point, thermodynamic properties, and the parameters of a crystal structure. The chemical properties are the main for a substance.”

From Wikipedia – free encyclopedia

4.2.2. FIELD (has “not very clear” physical nature)

The objects the basis of which is this kind of a substance, are referred by scientists to the objects with “not very clear” physical nature.

These are lightning balls, people thoughts, emotions, etc ...

“Historically, there was a fundamental distinction between substance and field in physics. In contrast to a substance, a field was considered to be continuous and penetrable, while particles of a substance were thought to be discrete and at least, localized enough. The well-known fields in classical physics such as electromagnetic and gravitational ones, were opposed to massive and sometimes electrically charged particles of a substance.

The modern physics doesn't distinguish substance and field, considering that all particles (including particles of both substance and field) are quantum excitations of different fundamental fields. One way or another, all particles have typical characteristics of a field such as delocalization and subordination to the equations of motion, which, in fact, don't differ from a field (wave properties of all particles, including particles of a substance). The increased insight into the unity of all forms and structure of a physical picture of the world is the result of the manifestation a close connection between field and substance.

However, within the context of the objectives of classical physics, and sometimes wider, it's quite comfortable to use the old terminology, although in the context of physics it is already a kind of anachronism. For example, if we are talking about the interaction between charged particles and electromagnetic field, it is rather comfortable, following the tradition to call one as “field” and the other as “substance”, especially if a substance is considered from either

purely classical point of view, or — if quantum — in terms of wave functions (that allows to avoid terminologically uncomfortable overlap of concepts)."

From Wikipedia – free encyclopedia

It is generally thought that "FIELD", in contrast to a substance, doesn't have inner "emptinesses", but has an absolute density. Today, there are mainly few types of so-called classical fields that are of scientists' interest: electromagnetic (electric, magnetic) and gravitational ones. Although, it should be added that there are all the prerequisites for a quantity increase in the types of fields in the nearest future.

According to the modern views, there is also "a quantum" field, a universal form of a substance, and both substances and classical fields can be narrowed down to it.

**FIELD (FIRMNESS) is
SOMETHING without inner emptinesses but with an
absolute density that (theoretically) allows to
transfer energy (information) through it with an
infinitely high speed.**

4.2.3. DARK (has “unclear” physical nature)

The objects the basis of which is this kind of a substance, are referred by the scientists to the objects with “unclear” physical nature.

These objects were introduced into scientific discourse for the explanation of astronomical and cosmic phenomena such as “dark substance” and “dark energy”.

4.3. NOTHING is unknown part of the World (in the broadest sense of this word)

Individuals can reflect the World (in the broadest sense of this word) as many objects, processes, phenomena with constantly changing states. The bigger part of the World (in the broadest sense of this word) is unknown for anyone who has ability to cognize. That`s why individuals cannot even think about such objects. We call these objects **NOTHING**.

**NOTHING is
unknown (one cannot manifest it) part of the World
(in the broadest sense of this word).**

4.4. SOMETHING is a part of NOTHING, one`s cognitive activity is directed to

During a cognitive activity, individual focuses (concentrates, accentuates) attention on a certain part of **NOTHING** – the World (in the broadest sense of this word) and cognizes (investigates) exactly this small part of it. Let`s call this part **SOMETHING**.

SOMETHING is a part of NOTHING.

**SOMETHING is
a part of NOTHING, one`s cognitive activity is
directed to and the place where one`s attention is
concentrated on the organization of one`s cognition.**

4.5. “One”, “object”, “process” or “phenomenon” can manifest SOMETHING

Now, the weirdest thing is that “object”, “process” or “phenomenon” can manifest SOMETHING.

As a result of cognition, one transforms all received information about the states of SOMETHING into sensations of the BODY.



The terms the author connected with the BODY concept he described in more detail in the IV “BODIES” Volume of “The New Cosmic Philosophy” book series (author’s note).

Depending on the sensations received, one allocates to cognizable SOMETHING one of the following words-concepts:

- Object;
- Process;
- Phenomenon;

“...It seems that the outside World consists of different items, things, objects, events and processes. All these ideas of our childhood are so powerful that we don’t want to drop them even under the pressure of serious arguments or we cannot admit their narrow-mindednesses that become more and more obvious.

Mathematics properly describes the surrounding reality. This is a fundamental characteristic that allows to apply mathematical methods for a theoretical research of the real phenomena. It’s not a problem of mathematics if we don’t want to see its laws around us or just aren’t ready to do it.

Example? You're welcome. We aren't ready to accept that usual things, actually, aren't in the places where we "can touch" or see them; we don't want to pay our attention to mathematics that doesn't divide everything into objects and processes. In other words, there is, of course, mathematic description of objects and processes, but – attention! – there are certain procedures or mechanisms that identically connect these two types of description. What is the conclusion? The conclusion: in fact, **there are no objects, no processes around us, but only some entities that seem to be either objects or processes in a particular situation.**"

....

"The absurd, but more appropriate example is a sandwich. Is it an object or a process?! Keep options open...

Obviously, a well served sandwich on the plate has all the characteristics of an object: it (an object) is located in a certain place, it can be displaced somewhere (in the mouth, for example) with a certain speed, it has a mass, actually. Like any object, it has a form and boundaries. It is understandable with the naked eye! And if with the aided eye? For example, with an electron microscope?

Alas, we will be disappointed! The sandwich disappeared somewhere. Here is no sandwich, here is no sign of it! But it becomes obvious that it isn't object. What kind of object is it, if it has no clear boundaries. But it is immediately evident that in some space area there are some unappetizing chemical processes of oxidation, connection, denaturation ...

The simple conclusion offers itself, but obviously non-trivial one: a sandwich is neither an object nor a process. Or, if it is more convenient for someone, it is both an object and a process at the same time as predetermine the circumstances of an observation.

It's time to make a last generalization: everything in our World "behaves" in a similar way.

All objects are just processes that we observe “outside”, where don't work the laws that determine and control these processes.

The same is with processes: these are objects we observe “inside” when we are in a place where the laws have force. Once you moved a little farther away, and, look, it's an object, a typical 'thing'.

Do you remember the question about the essence of a sandwich? What of it? Will we continue to regard it as an object, or will we become apologists for its nature, as for some process of carbon, hydrogen, and oxygen atoms interaction, process in some space area within the boundaries of what we see as a sandwich?

This simple mental experiment helps us to form a new, unusual view of life in our consciousness, and we simultaneously prepare the ground for perceptions of deeper mathematical principles”.

Yuri Romanov

“Is it beginning of a mathematical philosophy?”

The Journal №26 «Компьютерра», 1999.

OBJECTS, PROCESSES, PHENOMENA are conventional names one gives for SOMETHING, when has successfully manifested it.

Individual, in order to experience SOMETHING and its **CHARACTERISTICS**, must firstly determine the type of his interaction with this SOMETHING.

**CHARACTERISTIC is
one of SOMETHING's many characteristics, its type of
the manifestation depends on the type of one's
interaction with SOMETHING.**

So, when we will discuss an OBJECT in the future, that means:

- One has already manifested SOMETHING by halves, and we can discuss it;
- One has already identified the type of his interaction with SOMETHING;
- One cognizes “outside” SOMETHING;

When we will discuss a PROCESS or a PHENOMENON in the future, that means:

- One has already manifested SOMETHING by halves, and we can discuss it;
- One has already identified the type of his interaction with SOMETHING;
- One cognizes “inside” SOMETHING;

**When changing the type of interaction with
SOMETHING, one can manifest its fundamental
characteristics as objects, processes or phenomena.**



The terms the author connected with the ENTITY concept he described in more detail in the IX “ENTITIES” Volume of “The New Cosmic Philosophy” book series (author’s note).

That’s why we can assert that

**OBJECT is
a lot of states of SOMETHING that were manifested
by some one outside its body.**



The terms the author connected with the BODY concept he described in more detail in the IV “BODIES” Volume of “The New Cosmic Philosophy” book series (author’s note).

If we consider that

**STATE is
an abstract term which denotes a lot of stable values
of the variables of object, process or phenomenon.**

Then during one’s penetration into the BODY of SOMETHING, the situation is changed, and it turns out that

PROCESS is
one`s manifestation inside SOMETHING`s body of a
sequential change of states.

PHENOMENON is
one`s manifestation inside SOMETHING`s body of a
complex of processes.

All objects are just processes that we observe “outside”, where the laws that determine and control these processes, don`t work.

The same is with processes: these are objects we observe “inside” when we are in a place where the laws have force.

Look at a sandwich from outside and you will see an object – a piece of bread with a butter. Look at this sandwich through a microscope and you will see a completely different world – the world of processes and phenomena inside these butter and bread.



Guy de Maupassant regularly dined at the restaurant on the first level of the Eiffel Tower (now it`s “Jules Verne” restaurant). When he was asked why

he does this, if he doesn't like the tower, the writer replied: "This is the only place in Paris, where one cannot see it." That is, in other words, looking "from within", "object" is simply not visible.

The Eiffel Tower (/ˈaɪfəl ˈtaʊ.ər/ EYE-fəl TOW-ər; French: tour Eiffel, pronounced [tuʁ‿ɛfɛl] About this sound listen) is a wrought iron lattice tower on the Champ de Mars in Paris, France. It is named after the engineer Gustave Eiffel, whose company designed and built the tower.

From Wikipedia – free encyclopedia

4.6. The BRAIN

The author often uses the word-concept BRAIN in his researches. Since this word will be applied for different creatures, it means that it isn't closely connected with an object inside a skull of a human being BODY. The author will consider BRAIN as a "device" with the certain functions, namely:

**BRAIN is
a conventional name of device that is an integral
part of the body of any CREATURE or ENTITY, which
provides with processing of perceptions and on this
basis, with all complex of their cognitive abilities.**

4.7. PHENOMENA

All phenomena can be divided into three main groups:

- Normal;
- Unexplained;
- Paranormal.

Let's find out the differences between them.

4.7.1. NORMAL

**NORMAL is
a conventional characteristic of phenomena
that fit into the modern scientific world.**

Many representatives of the scientific community saw this SOMETHING, and those people can describe and explain, prove, and demonstrate it...

4.7.2. INEXPLICABLE

**UNEXPLAINED is
a conventional characteristic of phenomena that
don't fit into the modern scientific world, but their
existence is beyond question.**

Thus, the existence of ball lightning has long been unquestioned, although its origin and action are today attributed to the unexplained phenomena of the surrounding world.

4.7.3. PARANORMAL

[Paranormal events](#) are phenomena described in popular culture, folklore, and other non-scientific knowledge, whose existence within these contexts is described to lie beyond normal experience or scientific explanation. The term “paranormal” has existed in the English language since at least 1920. The word consists of two parts: para and normal. The definition implies that the scientific explanation of the world around us is ‘normal’ and anything that is above, beyond, or contrary to that is ‘para’.

**PARANORMAL is
a conventional characteristic of phenomena, none of
the representatives of the scientific community saw
them, and if one saw , he cannot describe, explain,
prove, or demonstrate to any other representative of
the scientific community for any other reason.**

This is because everyone who “sees” “paranormal” phenomena, cannot express their knowledge with words (speech) and / or text to those who “don’t see” such phenomena. Speech or text isn’t really enough for these goals...

5. **INFORMATION and its types**

INFORMATION (from Latin -**l nformatio**, explanation, description, awareness) is witting about something, regardless of the form of its presentation.

Information is one of the most general notions that is connected with a material substance. But, despite this, there is no single scientific definition of this term now.

The first thing I would like to draw the attention of my readers to is that information, as such, doesn't exist on its own. Information is necessarily connected with individuals.

**INFORMATION is
one's THOUGHT fixed on any information carrier.**

Human beings constantly systematize and generalize cognizable witting (information) about the Universe. Nowadays, the data people can process are a variety of audiovisual information – textual, graphic, audio and video information in any combination. Today, this type of information is denoted by the word-concept MULTIMEDIA.

The list of the forms for information presentation that are available for processing by human beings will steadily expand and constantly correspond to the level of development of information processing technologies.

5.1. The main methods of information gaining

One is able to reflect information about different states of SOMETHING in several ways:

- Directly (using the receptors of the body);
- By means (by the virtue) of special devices (instruments);
- With the help of (by the virtue of) others.

5.2. PUBLIC information

**PUBLIC INFORMATION is
information about SOMETHING, one is able to
process it.**

A generally accepted form of communication between human beings in the scientific community involves only the use of SPEECH and / or WRITING. Therefore, the expression “available for processing”, as a rule, with respect to human beings, mainly means textual, graphical, sound or any other information in any combination.

5.3. NON-PUBLIC information

NON-PUBLIC INFORMATION is information about SOMETHING, which is inaccessible to one for processing for any reason.

The reasons for information to be NON-PUBLIC are numerous:

- Lack of appropriate knowledge;
- Unknown language of a text or a speech;
- Indistinctiveness of speech;
- No special knowledge;
- No desire to cognize;
- etc.



“In the 80 years of the XX century, two specialists of the repair department from one military-industrial complex of the former USSR were on a business trip to Arkhangelsk with the purpose to restore the radar. They took all the spare parts with them for repair, including a transmission line cable wrapped in a tarpaulin. This spare part was very similar in size and form to the complex of destruction of the low-flying targets of the “ground-air” class, which was used by them when shooting “off-shoulder”. Of course, a vigilant police

sergeant stopped two business travelers on leaving the airport building and demanded to explain what it was. At first, one of the travelers joked badly, saying that he would not explain anything, since the police sergeant will understand nothing, anyway. He was offended and was about to detain the experts until clarification. But the second specialist quickly responded and said he was ready to explain in detail what is it. He pronounced the following short phrase:

- **"This device is for the canalization of electromagnetic energy".**
- **"Mmm, device for the canalization, now everything is clear, so you mistaked that I will not understand",** – replied the sergeant and missed the business travellers to the exit from the airport ..."

A real story from the author`s life



At all times, there were people whose knowledge was inaccessible to others. Today, the number of such people are increasing. Who are they? They are doctors, mathematicians, astronomers, biologists, programmers, as well as representatives of other particular specialties. If they begin to tell you in detail about their researches, most people will understand nothing but prepositions ...

But, if a person has desire, he can get this knowledge in the appropriate training center (college, institute, university) and will begin to understand certain specialists he didn`t understand earlier.

5.4. HIDDEN information

“The language we use everyday is just unadequate for this purpose. People who have had such an experience, as a rule, agree that the highest principle is inexpressible. The words and structure of our language aren't enough to describe it, especially if you try to get out it to a person who didn't faced such a thing before.”

Stanislav Grof

“A cosmic game. The study of the boundaries of a human consciousness”

Hidden information is forbidden for others; only a certain individual can manifest (perceive) it, but NOT by means of writing or speech.

That's why holy actions of the Proto-Slavs were called “**sacraments**”. Let's consider a simplified situation – a blind and a deaf person cognizes the World ... For such a creature, writing and speech aren't available ... But to cognize the world by studying its different states (warmth, cold, sharp, blunt, tasty, soft ...) he can only through sensations during cognition.

5.4.1. HIDDEN information of a bodily level

One can manifest so-called “HIDDEN INFORMATION of a bodily level”, i. e. information, in obtaining and processing of which participate only objects that are parts of one`s BODY.

**HIDDEN INFORMATION of a bodily level is
information, which can be manifested only by objects
that are parts of one`s dense (material) BODY.**



The terms the author connected with the BODY concept he described in more detail in the IV “BODIES” Volume of “The New Cosmic Philosophy” book series (author`s note).

5.4.2. HIDDEN information of out-of-body level

Any non-human creature as well as any human one can be constituent of a cognitive process.

A human being, when conditions are right, can manifest information that has already been manifested by a non-human being and thus gain access to information that cannot be manifested, using such an instrument as the body of a human being.

HIDDEN INFORMATION of out-of-body level is information, which is manifested by the BODIES of NON-HUMAN BEINGS that can or cannot be the parts of a human being ORGANISM.

It is this cognition that allows us to study the Universe, being “outside the brain” of a human being body.



The terms the author connected with the ORGANISM concept, he described in more detail in the VI “ORGANISMS” Volume of “The New Cosmic Philosophy” book series (author`s note).



The terms the author connected with the BEING concept, he described in more detail in the X “BEINGS” Volume of “The New Cosmic Philosophy” book series (author`s note).



The simple examples when human beings use material non-human beings that aren't parts of a human being ORGANISM for the manifestation of hidden information:

- Mineworkers have been using canaries in mines for decades to reveal a methane. People don't smell a gas and don't sense it. But when it appears inside the mine, even in doses safe for human beings, canaries start screaming. The disturbance of canaries is a signal for mineworkers to evacuate
- Salors know that rats are running away before a shipwreck and use this information as a signal for evacuation;
- Before earthquake...;
- Before tsunami ...;

Every reader can easily broaden this list.



The simple example when human beings use material non-human beings that are parts of a human being ORGANISM for the manifestation of hidden information is when microorganisms (microbes) begin to multiply in the bodies of human beings during various diseases. By analyzing these microorganisms, doctors can determine a certain disease and its cause ...

5.5. CONFIDENTIAL information

Do not confuse words-concepts **HIDDEN** with **SECRET** or **CONFIDENCE** (**CONFIDENTIAL**).

CONFIDENCE is characteristics of information, the access to which one cannot gain because of anyone's countermeasures in order to prevent him from receiving information about certain object, process or phenomenon.

CONFIDENTIAL INFORMATION is non-public information about an object, which is inaccessible for some one because of anyone's countermeasures in order to prevent some one from receiving it.

Here are some examples:

Secrets of production. Individuals who are involved in a certain production protected information from others who aren't involved in this process.

- Secret device. One has created the device with new functions, basing only on the familiar technologies, and hid (or burned) all the

documentation for it. Many devices of N. Tesla refer to this class. As an example, he handled fireballs of more than 10 cm when speaking before students in the university and held them for a long time, but he left no information of how he actually did it. Nowadays, the only achievement of modern physics is a ball lightning of about 0.1 mm and with a lifetime of about 0.001 sec.

NON-PUBLIC information for some one can be knowledge of a dentist, surgeon, mathematician, physicist, etc. No one blocks an access to this knowledge. Only time and personal desire are necessary for their comprehension.

CONFIDENTIAL information for some one can be artifacts that are still in the vaults of the Vatican, where since the dawn of time they hide everything that contradicts the canons of religion preached by the Vatican. Maybe some one would like to study them, but the bishops will not allow it to happen. Never.

But it is CONFIDENTIAL not for all...

In order for information to become EXPLICIT for some one (even for one who MADE it CONFIDENTIAL) one must firstly manifest it.

I. e. bishops hid the artifacts, i.e. made them CONFIDENTIAL for everyone else. But did they actually realize what they had hidden ... They MADE artifacts

CONFIDENTIAL only because these artifacts, if provided to all, can shake or even destroy the principles of their organization (enterprise).

That's why, it's quite possible that:

- For some ones (who MADE information CONFIDENTIAL) CONFIDENTIAL information became EXPLICIT, i.e. they have realized it...
- For others (who MADE information CONFIDENTIAL) this information remained INEXPLICIT, i. e. they didn't manifest it, they were unable to realize it...
- For others, this information remained NON-PUBLIC until it will be PUT INTO THE PUBLIC DOMAIN;
- For others, this information will be PUBLIC;

6. COGNITION

6.1. The types of cognition

6.1.1. The study is cognition of NON-PUBLIC information

Since the “common” form of people communication in the scientific community provides the use of SPEECH and WRITING, then, accordingly, such a concept as “cognition” implies one`s processing of a certain volume of textual, graphic, audio and video information about object, process or phenomenon in any combination.

So, such a concept as “cognition” of PUBLIC and / or NON-PUBLIC information can be represented as the study of it:

**STUDY is
cognition that implies one`s processing of a certain
volume of textual, graphic, audio and video
information about object, process or phenomenon in
any combination.**

**STUDY is
cognition of PUBLIC and NON-PUBLIC information.**

6.1.2. MANIFESTATION (PERCEPTION) is cognition of HIDDEN information

Everything in this chapter refers to HIDDEN KNOWLEDGE or HIDDEN INFORMATION. This knowledge and this information were always secret, but not because you cannot talk about them, but for other reasons:

The exchange of secret information between some ones, using speech or writing is IMPOSSIBLE.

I.e. one cannot study HIDDEN information as PUBLIC and/or NON-PUBLIC one.

And that`s why:

Firstly,

One manifests IMAGES, but he THINKS with the help of words he denotes these IMAGES by. As a result, one describes every IMAGE with the words that represent one text and he calls these words as a CONCEPT. But it is a subjective opinion of this some one and he connects it with an IMAGE of object, process or phenomenon that he has manifested (perceived) before.

Secondly,

One`s World differs from the World of another one. Every one can cognize and create only his own World, i. e. the World one is able to manifest. Other Worlds is INACCESSIBLE for him, i. e. they DO NOT EXIST for him.



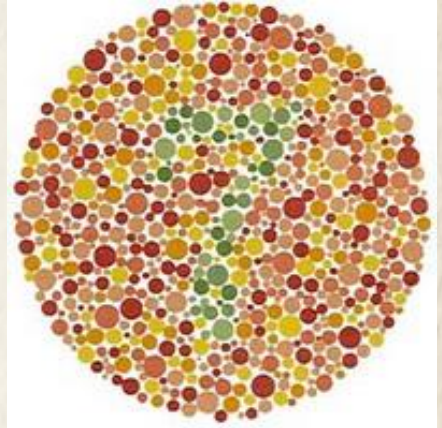
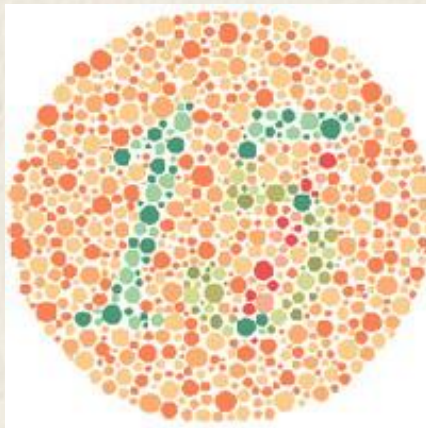
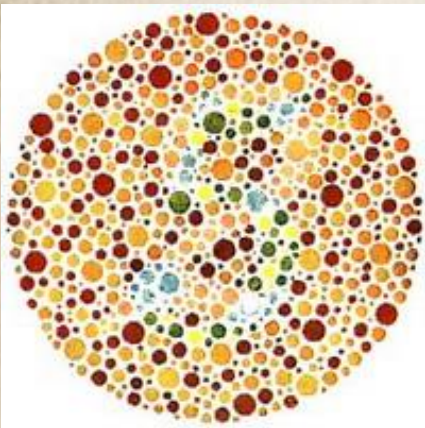
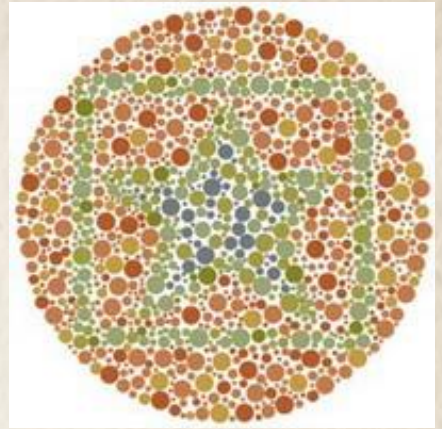
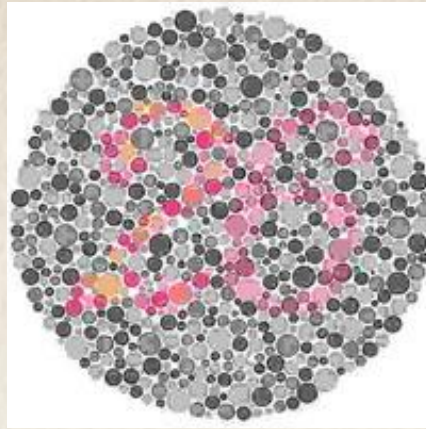
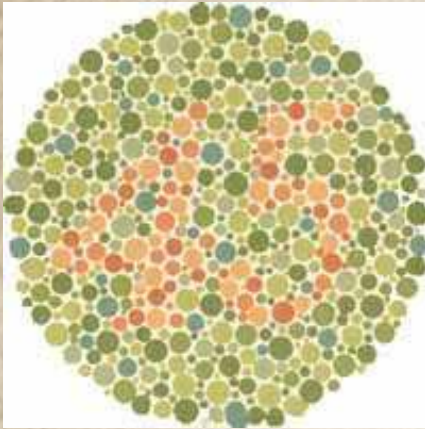
The terms the author connected with the WORLD concept, he described in more detail in the III “WORLDS” Volume of “The New Cosmic Philosophy” book series (author`s note).



You can try to inform anyone who is achromate (inability to properly define different colors) about complicated (changing, many-colored) objects (processes, phenomena) that are indistinguishable for him.

And you will understand that it`s impossible ...

Acritochromacy is defined with the help of special polychromatic tables. Every table consists of a lot of colored circles and dots of the same brightness but of different colors. An achromate doesn`t distinguish the colors in this table, and this table is homogeneous for him, but a person with a normal perception of colors will see a number or a geometrical figure that is made of the circles of one color.



And even if your interlocutor (achromate) anyhow understands something, then, anyway, this information will be of no use for him, because he will not be able to apply this information in his life on this planet – he DOESN`T SEE what YOU SEE!

**MANIFESTATION is
a cognitive process, as a result of which inexplicit
information (PHANTOM) about SOMETHING
becomes for some one explicit (REALITY).**

The author will use the word-concept MANIFESTATION, although the modern scientists more often use the word-concept PERCEPTION.

*“**Perception** (from the Latin perceptio) is the organization, identification, and interpretation of sensory information in order to represent and understand the presented information, or the environment. Perception is one of the biological psychological functions that determines a complex process of information receiving and transforming with the help of organs of senses. Organs of senses, in their turn, form a subjective holistic image of an object that influences the analyzers through totality of sensations of this object. As a form of sensory reflection of the object, perception involves the manifestation of it as the unity, distinction of the certain characteristics of an object, determination of its informative content, an adequate purpose of the action, formation of a sensory image.*

All perception involves signals that go through the nervous system, which results from physical or chemical stimulation of the sensory system. For example, vision involves light striking the retina of the eye, smell is mediated by odor molecules, and hearing involves pressure waves. Perception can be split into two processes, processing the sensory input, which transforms this low-level information to higher-level information (e.g., extracts shapes for object recognition), processing which is connected with a person's concepts and expectations (or knowledge) and selective mechanisms (attention) that influence perception. Perception depends on complex functions of the nervous system, but subjectively seems mostly effortless because this processing happens outside conscious awareness ...”

“Image is the result of perception. Image is a subjective vision of the real world, which is perceived by the organs of senses.”

From Wikipedia – free encyclopedia

Student: Professor, could you tell me please, does a cold exist?

Professor: Of course, it does. Have you never felt cold?

The students were laughing over the question of this young fellow.

Student: A cold doesn't exist actually, sir. In accordance with the laws of physics, what we consider cold, in fact, is a lack of warmth. A person or an object can be studied from the point of view whether he/it has or transmits an energy. Absolute zero (-273 degrees Celsius) is a complete lack of warmth. All material substance becomes inert and is unable to react at this temperature. A cold doesn't exist, anyway. We created this word to describe what we feel when there is no warmth.

There was a silence in the auditorium.

Student: Professor, could you tell me please, does a darkness exist?

Professor: Of course, it does. The night is nothing more than darkness.

Student: You are wrong again, sir. A darkness also doesn't exist. Actually, darkness is an absence of light. We can study light, but not darkness. We can use Newton's prism to decompose a white light into a multitude of colors and study different wavelengths of every color. You cannot measure darkness. A simple ray of light can break into the world of darkness and illuminate it. How can you guess how much dark is in any space? You measure how much light is there. Is it so? Darkness is the concept that a person uses to describe what is going on when there is no light.

6.2. The terminology of early Slavs

All interpretations in this chapter are represented in accordance with the Dictionary of the Old Slavonic Language. It was compiled according to the Ostromir Gospel and printed in 1899.

СЛОВАРЬ ДРЕВНЯГО СЛАВЯНСКАГО ЯЗЫКА

СОСТАВЛЕННЫЙ

ПО

ОСТРОМИРОВУ ЕВАНГЕЛІЮ

Ф. Миклошичу, А. Х. Востокову, Я. И. Бередникову
и І. С. Кочетову.

Издание А. С. СУВОРИНА



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ТИПОГРАФІА А. С. СУВОРИНА. ЭРТЕЛЕВЪ ПЕР., Д. 13

1899



вѣданіе *ср.* знаніе.
вѣдатель *м.* вѣдающій чѣмъ либо.
вѣдати-даж-даѣши *гл.* знать.
вѣдатиса *гл.* рѣшать дѣла, судиться.
вѣдець *м.* знатокъ.
вѣднвын *пр.* благоразумный, осторожный.
вѣднн *м.* знатокъ.
вѣднмъ, вѣднмый *пр.* подлежащій вѣдѣнію.
вѣднтель *м.* знатокъ.
вѣдовьскын *пр.* чародѣйскій.
вѣдовьство *ср.* волшебство, колдовство, чародѣйство.
вѣдокъ *м.* свѣдущій, знатокъ.
вѣдомо *прч.* извѣстно. — **вѣдомъ** *пр.* знаемый, извѣстный.
вѣдомость *жс.* извѣщеніе, утвержденіе.
вѣдомъ *пр.* извѣстный, знакомый.
вѣдомьскын *пр.* чародѣйскій.
вѣдомьць *м.* знающій человѣкъ.

вѣдѣніе *ср.* познаніе, разумѣніе. —
вѣдѣтельнъ *пр.* интеллигентный, способный къ познанію.
вѣдѣти, вѣдѣ, вѣстн, вѣмъ *гл.* знать, вѣдать. — **вѣдѣтиса, вѣстиса** *гл.* знать.
вѣдащнн *пр.* знающій.
вѣѣ *ср.* вѣтьвь.
вѣжа, вѣжа *жс.* 1) башня; 2) наметъ, шатеръ, палатка. — **вѣжа** (русская форма) *вм.* вѣжда. — **вѣжа, вѣжъ** *м.* знающій, свѣдущій. — **вѣжарь, вѣжарь** *м.* рабъ, слуга. — **вѣжда** *жс.* кожа, покрывающая глазное яблоко, вѣки. — **вѣжда** *м.* знатокъ.
вѣжаница *жс.* вѣжда, вѣка, рѣсница.
вѣждъ *м.* опытный, искусный.
вѣждьство *ср.* знаніе, наука.
вѣжъ *пр.* свѣдущъ.
вѣжълнвын *пр.* знающій, свѣдущій.
вѣжьство *ср.* благоразуміе, знаніе.

вѣдоуньство *ср.* волхвованье, ворожба.
вѣдоущнн *пр.* разумѣющій, понимающій. — **вѣдый** *пр.* знающій понимающій.
вѣдъ *жс.* познаніе, вѣдѣніе. — **вѣдъ** *см.* вѣдѣ. — **вѣдыма** *жс.* вѣдьма, колдунья, чародѣйка.
вѣдынн *пр.* относящійся къ знанію.
вѣдьство *ср.* колдовство.
вѣдыць *м.* знатокъ, свѣдущій въ чемъ либо.
вѣдѣ *прч.* всячески, вообще. — **вѣдѣ** названіе третьей буквы азбуки.
вѣдѣати *гл.* понимать, вѣдать.
вѣдѣвшнн *пр.* знавшій. — **вѣдѣвшнн** *пр.* знавшій.
вѣдѣніе *ср.* познаніе, разумѣніе. — **вѣдѣтельнъ** *пр.* интеллигентный, способный къ познанію.
вѣдѣти, вѣдѣ, вѣстн, вѣмъ *гл.* знать, вѣдать. — **вѣдѣтиса, вѣстиса** *гл.* знать.
вѣдащнн *пр.* знающій.

знаніе *ср.* знаніе, знакомые.
знаньство *ср.* объявленіе, показаніе, доносъ.
знатель *м.* знающій, имѣющій познаніе въ чемъ либо.
знати, знаю *гл.* знать, вѣдать.
знатиса *гл.* быть знакомымъ.
знатьел, знадѣла, знател *жс.* знать, слѣдѣ.
знательнвын *пр.* знающій.
знатыць *м.* знающій.
знатъа *жс.* знающая.
знахърь, знахоръ *м.* кто знаетъ дѣло, свѣдущій, знающій, знатокъ.

навъ *м.* мертвецъ, трупъ. — **навые** *м.* тоже, что **навъ, мертвецъ**. — **навъ-ннкъ** *м.* покойникъ.

6.2.1. ВЕДЕНИЕ (Eng.: KNOWLEDGE) (ПО-ЗНАНИЕ – Eng.: KNOW-ING)
and ВЕДАНИЕ (Eng.: WITTING) (ЗНАНИЕ – Eng.: KNOWLEDGE)

**To WIS means to Know,
i.e. to acquire wisdom.**

ВÉДАНИЕ (WITTING) – ЗНАНИЕ (KNOWLEDGE)

ВÉДАТЬ (TO WIS) – ЗНАТЬ (TO KNOW)

ВÉДАТИ (TO FLOOD) – ПОНИМАТЬ (TO UNDERSTAND)

**In order to WIS (KNOW) something, one must
FLOOD (UNDERSTAND) it.**

That`s why

ВÉДАЮЩИЙ (KNOWING) simultaneously means **РАЗУМÉЮЩИЙ**
(UNDERSTANDING), **ПОНИМА́ЮЩИЙ** (KNOWING),
ЗНА́ЮЩИЙ (KNOWLEDGEABLE)

СВÉДЕНИЕ(- ПОЗНАНИЕ KNOWLEDGE (ПО-ЗНАНИЕ - KNOW-
WITTING) LEDGE, acquiring of KNOWLEDGE) or **РАЗУМЕЕЕ**
(UNDERSTANDING)

ВÉДЕТЕЛЬНЫЙ - who is able to cognize.
(KNOWLEDGEABLE)

i.e.

ВЕДЕНИЕ (KNOWLEDGE) is a cognitive activity

6.2.2. СВЕДЕНИЯ – Eng.: WITTING (WIT-TING)

**WITTING is
ВЕДАНИЯ (KNOWLEDGE) - INFORMATION
(KNOWLEDGE) one acquires as a result of
COMPETENCE.**

In other words,

**WITTING (WIT-TING) is
one`s systematized (generalized) information.**

And this is a completely different, higher level of cognition (cognitive activity).

6.2.3. ВЕДОМОСТЬ – Eng.: STATEMENT (CONFIRMATION)

When one of the ancient Slavs wanted to say “I know this”, he actually said “I **WIS** it”.

БЕДОМО – To be KNOWN

БЕДОМ – to be FAMILIAR to smb. (with smth.), to be ACQUAINTED with

ВЕДОМОСТЬ – NOTIFICATION OR CONFIRMATION

6.2.4. СВЕДУЩИЕ - Eng.: WELL-INFORMED (ЗНАЮЩИЕ – Eng.: KNOWING) and НЕСВЕДУЩИЕ – Eng.: UNINFORMED (НЕЗНАЮЩИЕ – Eng.: UNKNOWING)

All those who possessed any specific **WITTING** have been known from the earliest days as **WELL-INFORMED** individuals in a certain sphere.

All those who did not possess any specific **WITTING**, have been known from the earliest days as **UNINFORMED** individuals in a certain issue.

The roots of such verbs as “**to know**” and “**to wis**” served for creation of the following words: “**WIZard**”, “**WITch doctor**” and “**WITch**”. The ancient Slavs

called knowing, understanding and apprehensive people exactly with these words.

Long after, there was a division of the meanings of these words into those who cures, who predicts, who changes the course of events, etc.

6.2.5. EXPLICIT information (REALITY, IN REALITY)

REALITY (explicit information, IN REALITY) is a part of the World (in the broadest sense of this word) one has manifested.

In relation to some one, REALITY is all that one CAN perceive, i.e. this is information of one's "material world".

6.2.6. IMPLICIT information (UNREALITY, IRREALITY)

UNREALITY (IR-REALITY, implicit, unmanifested, the other world) is a part of the World (in the broadest sense of this word) one hasn't manifested yet.

The explanatory dictionaries of the nineteenth century indicate that the word UNREALITY stands for “dead man” or “dead body”, i.e. in our case, we can assume that UNREALITY is information “from the other world”, from “another world,” that is, this information of one`s “non-substantial World”.



The terms the author connected with the WORLD concept he described in more detail in the III “WORLDS” Volume of “The New Cosmic Philosophy” book series (author`s note).

“Michael Polanyi considers that one can only partially impart scientific knowledge with the help of formal languages, but the most of it will represent a personal or implicit knowledge of the scholar, which is incommunicable in broad-brush terms. The scholar when immersing in science, uncritically follows certain rules of the science. These uncritically accepted and formally incommunicable rules (often include attainments, skills and education) and represent implicit knowledge. Taking into account that it is impossible to formalize and to impart implicit knowledge, so, a comparison of this knowledge is also impossible. As a result, there is a comparison in science only of the formalized part of one theory with the formalized part of another theory.”

From Wikipedia – free encyclopedia

7. The “GAPS” of knowledge

If we will assume that a **KIND of PHYSICAL VALUE** is its qualitative determinancy (size, mass, frequency, speed, temperaturut, etc.), then the word-concept GAP can be defined as follows:

**GAP of knowledge is
a lot of ranges of various kinds of physical quantities,
in which one is able to manifest (perceive)
excitations of the body receptors as sensations.**

7.1. The “gaps” of knowledge, through which HUMAN beings cognize the World

The gaps through which human beings cognize the World, allow them to manifest only miserable part of the World (in the broadest sense of this word). Based only on the data (scientific observations) obtained through these gaps, human beings distort information they received during cognition in such a way that even they don't understand it.

7.1.1. The optical “GAP”

Electromagnetic radiation is usually divided according to frequency ranges. There are no abrupt junctions between ranges, and the boundaries between them are conditional. Since the propagation velocity of radiation is constant, the frequency of its oscillations is tightly connected with a wavelength in a vacuum.

Range name		Wave length, λ	Frequencies, ν	Sources
Little-known and unknown types of electromagnetic radiation		10 km - infinity		
Radiowaves	Extralong	100 — 10 km	3 — 30 khz	Atmospheric phenomena. Alternating-currents in conductors and electronic streams (antiresonant circuits).
	Long	10 km — 1 km	30 khz — 300 khz	
	Average	1 km — 100 m	300 khz — 3 MHz	
	Short	100 m — 10 m	3 MHz — 30 MHz	
	Ultrashort	10 m — 2 mm	30 MHz — $1,5 \times 10^{11}$ hz	
Optical radiation	Infra-red radiation	760 nm — 2 mm	$1,5 \times 10^{11}$ hz — 6 THz (11 octaves)	Radiation of molecules and atoms under thermal and electrical influences.
	Visible spectrum	380 — 760 nm	(1 octave)	
	Ultra violet	10 — 400 nm	$< 3 \times 10^{16}$ hz (5 octaves)	Radiation of atoms under the influence of accelerated electrons.
Hard-radiation	X ray	$10 - 5 \times 10^{-3}$ nm	$3 \times 10^{16} - 6 \times 10^{19}$ hz	Atomic processes under the influence of accelerated charged particles.
	Gamma	$< 5 \times 10^{-3}$ nm	$> 6 \times 10^{19}$ hz	Nuclear and space processes, radioactive decay.
Little-known and unknown types of electromagnetic radiation				

[The visible spectrum](#) is the portion of electromagnetic spectrum that is visible to the human eye. Electromagnetic radiation in this range of wavelengths is called *visible light* or simply *light*. A typical human eye will respond to wavelengths from about 390 to 700 nm. In terms of the frequency, this corresponds to a band in the vicinity of 430–770 THz. The spectrum doesn't, however, contain all the colors that the human eyes and brain can distinguish. Unsaturated colors such as pink, or purple variations such as magenta, are absent, for example, because they can be made only by a mix of multiple wavelengths. The colors containing only one wavelength are also called pure colors or spectral colors.

Color	Range of wavelengths, nm	Frequency range, THz	Range of photons` energy, eV
Red	625—760	480—405	1,68—1,98
Orange	590—625	510—480	1,98—2,10
Yellow	565—590	530—510	2,10—2,19
Green	500—565	600—530	2,19—2,48
Blue	485—500	620—600	2,48—2,56
Dark blue	440—485	680—620	2,56—2,82
Violet	380—440	790—680	2,82—3,26

Isaac Newton was the first who divided continuous spectrum of a visible light flux into seven colors. This division is conventional, and mostly haphazard. Newton was likely to use the principle of European numerology and rested upon the analogy with seven notes in the octave (like: 7 metals, 7 planets...), so it was the reason to distinguish exactly these seven colors. That's why it is common thing today to divide the spectrum of a visible light into seven **basic** colors (but it's rather conventional).

A light of a white color decomposes into the light of the basic seven colors after passing through the prism. Every schoolboy knows that these are the colors of a rainbow - red, orange, yellow, green, blue, dark blue and purple. **But these are the basic colors. In fact, there are a lot of colors, if one considers this issue in detail. All depends on the sample rate one uses.**

One sees a high intensity light in a wider range.

According to Newton, all "theoretically visible" spectrum of a light flux is approximately $790-405 \text{ THz} = 385 \text{ THz}$. If 1 Hz is taken for the sampling rate, then all possible mixings of 385,000,000,000,000 discrete frequencies will give you all possible variants of colors.

All light flux is divided into two parts, so called visible and invisible for a human eye parts.

Eye (from Latin *oculus*) is a sense organ of animals and people. It has the ability to perceive electromagnetic radiation in the light range of wavelengths and provides with a visual function.

An optical “gap” through which one sees the World (in the broadest sense of this word), is just a miserable part of it. Based only on these observations, one distorts his own understanding of the World (in the broadest sense of this word).

7.1.2. The auditory "CHANNEL"

A human being is able to hear a sound only in the range from 16 Hz to 22,000 Hz when transmitting vibrations through the air, and up to 220 kHz when transmitting sound over the skull bones. These waves have biological significance, e. g. soundwaves in the range of 300-4,000 Hz correspond to a human voice. It is generally thought that sounds of more than 20,000 Hz are of little practical importance, since they are quickly decelerated. But it's for now ...; oscillations of less than 60 Hz are perceived thanks to the bone sensibility. The frequencies' range a person is able to hear is called auditory or sound range; higher frequencies are called ultrasound, and lower frequencies are called infrasound.

The ability to differentiate sound frequencies largely depends on a certain individual: age, gender, susceptibility to hearing diseases, training level and hearing fatigue.

An auditory "channel" through which one hears the World (in the broadest sense of this word), is just a miserable part of it. Based only on these observations, one distorts his own understanding of the World (in the broadest sense of this word).

7.1.3. The taste “PORE”

Traditionally, European countries considered 4 “basic tastes”. There are proverbs in the explanatory dictionary of Dal, for example, that testify the linguistic confusion of the concepts “bitter”, “tart”, “sour” in the XIX century.

In the twentieth century, due to a cultural exchange and influence of natives from Southeast Asia, people in Europe and America began to accept “umami” taste (sensation from sodium glutamate). It is connected with the development of a network of Chinese restaurants where were used traditional products for South-East Asia such as fermented soy or fish sauce, meat, synthetic sodium glutamate, etc.

However, people in the East have differentiated 6 tastes, including “burning”, that is also quite understandable for our compatriots, who easily distinguish bitter (hina, bitter cucumber) and “bitter” — hot pepper, radish, mustard. The long history of the taste analyzer, strange as it may seem, still contains many misapprehensions. Many books on physiology contain the same “taste scheme” of the tongue, which, however, has no scientific confirmation.

The philosophical “Five elements” model of the World of the ancient Chinese includes five basic tastes: bitter, salt, sour, sweet, and hot. The latter, perhaps, is the equivalent of umami or “burning” (spicy).

A taste "pore" through which one cognizes the World (in the broadest sense of this word), is just a miserable part of it. Based only on these observations, one distorts his own understanding of the World (in the broadest sense of this word).

7.1.4. The tactile “GAP”

Every one has individual sensation of touch, perception of something by receptors of the skin, muscles, mucous membranes. The sensations caused by touching, pressure, vibration, influence of structure and length have different character.

Haptics is the science of feel, touch, skin as the organ of perception and creativity, of tactile activity and self-expression. In the broadest and purely scientific sense of this term, feel includes all the diverse sensations that are perceived when touching any objects, including kinesthetic, thermic and painful ones.

A tactile “gap” through which one perceives the World (in the broadest sense of this word), is just a miserable part of it. Based only on these observations, one distorts his own understanding of the World (in the broadest sense of this word).

7.2. The “gaps” through which NON-HUMAN beings cognize the WORLD

Non-human beings cognize their World with the help of their own channels for information obtaining and processing. The channels for information obtaining and processing of non-human beings` World are a long-established system that provides obtaining and primary analysis of information of their World.

Taking into consideration that the channels for information obtaining and processing of non-human beings can perceive other ranges of physical quantities than those a human being does, then perception of the World (in the broadest sense) of non-human beings will differ from that of a human being.

Many scientific articles can illustrate how different animals “see” the outside World.



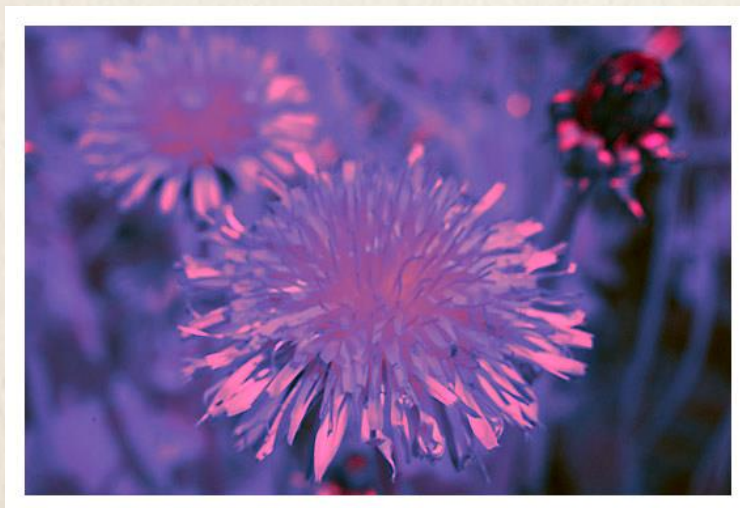
Snakes and many other reptiles see the world in the infrared part of electromagnetic spectrum, so it allows them to see the OTHER world. They see well any creatures whose body temperature is higher than the temperature of their environment. That`s why they see other creatures not only during the daytime, but also at night. Based on these principles, people have created many similar devices, including thermal scopes, night vision devices, motion detectors, etc.



Birds and many insects see the world in the ultraviolet part of electromagnetic spectrum, so it allows them to see the OTHER world. The world of flowering plants. The world of OTHER beings. The owners of big parrots often come across a situation when their parrots want to feed someone “invisible” or talk to this “invisible” one.



The plants in ultraviolet completely differ from that a human being sees. Many flowers are exclusive exactly in the ultraviolet range, contrasting with a grass. Magically, there are some pictures, patterns on the petals of those flowers that are of no peculiarity with the naked eye. Besides, flowers begin to “shine” in the ultraviolet, attracting insects that pollinate them.



[The World through bee's eyes](#). This is a fluorescence of blowball in the “ultraviolet” frequency range.



Many animal species use sound oscillations that are “invisible” for a human being. Some animals are able to hear sounds while people aren't (ultra- or infra-sound). Bats use ultrasound for an echo sounding during flying. Dogs are able to hear ultrasound. There are evidences of whales` and elephants` ability to use infrasound for communication.

Based on these principles, people created, for example, “soundless” for a man whistles, using which they tame a lot of animals.

There are a lot of similar examples for all other non-human beings` familiar to us.

8. RECEPTORS and SENSATIONS

8.1. RECEPTORS

RECEPTORS are complex formations in one's BODY that reorganize any stimuli into specialized output signals.

Information about stimuli that influence receptors of one's Body, is reorganized by receptors into the specialized signals and transmitted to the central nervous system. CNC analyzes and identifies incoming information and also creates:

- appropriate sensations of the body;
- adequate response.

Stimuli for different receptors can be:

- Light;
- Mechanical stimulus;
- Chemical substances;
- Change of temperature;
- Changes in electric field;
- Changes in magnetic field;

- Etc. ...

Receptors can:

- Be in any part of the Body (on the body surface, near the body surface, in the inward parts of the body);
- Simultaneously respond to several types of stimuli (for example, many nociceptors simultaneously react to mechanical and chemical stimuli);
- Perceive stimuli at a distance (for example, organs of sight, hearing, smell);
- Perceive stimuli only directly (taste and touch);

Appropriate functioning of a person's Body, as well as any other body, depends on the operation of many receptors.

Based on these materials, the Brain of the Body will make appropriate decisions in the future. Disorder of receptors will distort information about stimuli and lead to processing mistakes, disrupt appropriate functioning of the Body.

Information about stimuli that influence receptors of the body is transmitted to the central nervous system, which analyzes incoming information, identifies it and creates sensations. Based on the information (sensation) obtained, a response signal (feedback signal) is generated after processing, and transmitted through the nervous system to appropriate organs of the Body.

Information from one receptors can complement information from other receptors. For example, developed sense of smell or touch can compensate to a certain extent ill-developed sight.

The total number of stimuli, as well as the total number of receptors reacting to them, is huge and, has not been studied fully by scientists till now.

The main types of receptors of one's body provide a complex of sensations that are connected with sight, taste, smell, touch, hearing, balance. And there are also receptors that determine pH level, concentration of carbon dioxide and oxygen in the blood, approach and removal of celestial bodies, change in atmospheric pressure and humidity, etc.

8.2. SENSATIONS

SENSATION is a subjective and evaluative reaction of one's BODY to stimuli. It is based on processing information coming from the receptors of one's BODY in a response to BODY's stimuli.

SENSATIONS are always connected to one's BODY. There are no OBJECTS as such in the World (in the broadest sense of this word). Based on information coming from the body's receptors, one's brain creates different objects. The information processing unit both creates "sensations" from information coming from the receptors, and generates the feedback signals for different parts of the BODY as a reaction to stimuli.



Receptors of one's body's limbs fix the appearance of a temperature stimulus and transmit information about its magnitude near the receptor. The information processing unit receives this data, then compares them with the database and, in the case of exceeding a certain threshold of values, it gives a command for muscular deformation of a limb and for withdrawal of it.

There are many kinds of the Body's sensations. Nowadays, many scientists are working on the study of various sensations. This is the thermotherapy

(sensation of warmth), and nociception (sensation of pain), and proprioception (sensation of position of the body's parts), and many other types of sensations.



The examples of SENSATIONS are ***pain, cold, warmth, balance, color, light, sound, taste, smell ...***

9. The channels of information entry and processing

Today it is generally accepted that a human being receives practically all information about his world (cognizes his World, manifests his World) only through six BASIC channels:

- Visual – eyes - sight;
- Auditory – ears - hearing;
- Gustatory – tongue - taste
- Olfactory – nose - smell;
- Tactile – skin – sense of touch;
- Vestibular – brain - sense of balance and space position.

The scientists miscalled these channels as “organs of senses” and defined them in the following way: *“ORGAN of SENSE is a specialized physiological system in one`s Body that provides obtaining and primary analysis of information coming from the specialized receptors of the Body.”*

But because of the fact that the same receptors can contribute to the work of various ‘organs of senses’ and it`s impossible to separate one ‘organ’ from another one, so we will use the phrase

Channel of information processing and obtaining

that corresponds to the reality, since information coming from the same receptors can simultaneously contribute to the work of many channels, i.e. can be considered when making various decisions.



For instance,

Well-developed sense of smell or touch can compensate to some extent for underdeveloped sight;

Receptors of the palms' skin are able to almost completely compensate for the loss of 'sight', i.e. one's eyes.

That's why

CHANNEL OF INFORMATION PROCESSING AND OBTAINING is a specialized physiological system in one's Body that provides information obtaining, transfer and delivery from the specialized receptors of the Body to the unit of information processing and appropriate decisions making on its basis.

Based on the received from many channels information, one formulates his subjective picture of the World.

Since every type of stimulus corresponds to a particular type of receptor, one can assume that:

There are many channels for information obtaining and scientists don't fully study them up to the present day.

The scientists can discover 'new' channels for information obtaining and detailed description of their working principles is only a matter of time.

10. The community of KNOWLEDGE

10.1. The community of scientific knowledge

10.1.1. The ancient scholars

In times of Early Slavs, there were a lot of people with such denominations as **MAGICIAN, MAGE, WIZARD**, etc.

The HIREPHANTS were rulers in the ancient Egypt.

Every folk had its own **SHAMANS, MAGICIANS, ENCHANTERS, WIZARDS, SORCERERS, MIRACLE WORKERS, BLACK MAGICIANS, STARGAZERS, FORTUNE TELLERS, MAGI, SOOTHSAYERS, WITCHERS, DRUIDS...**

All these people have one thing in common – they are SCIENTISTS.

Depending on the period of history and the place on the Earth, in accordance with the scientific paradigm for a specific period of time, these people were the representatives of science, i. e. they represented a scientific community. They studied the World of people or the Universe, they imparted knowledge from generation to generation and protected it from outsiders ...

People who didn't understand it, considered them to be *magicians* ('white' or 'black'), *wizards*, *shamans*, *enchanters*, *sorcerers*, *miracle workers*, *black magicians*, *stargazers*, *soothsayers*, etc.

10.1.2. **LEARNed vs unLEARNed**

The modern word 'scientist' doesn't properly reflect the situation as it has developed. This is due to remote ages, i. e. when few people could read, and even less could write, this word denoted all people who had studied something and somewhere. That's why these words have the same roots:

LEARNed, LEARNing, LEARN, LEARNing performance, LEARNer

And those people who didn't learn were called **unLEARNed**, i.e. people who learned nothing and nowhere.

But today we call 'SCIENTISTS' those people who not only **LEARNED** somewhere, but also learned something.

That's why such words are more suitable, namely:

LEARNed through, scientific employee, etc.

10.1.3. SCIENTific employees` vs paraSCIENtific specialists

It is considered that

**SCIENTIST is
a specialist in any scientific field, who made a real
contribution to the science.**

The main formality for recognition of scientific skills is the publication of research materials in the authoritative scientific journals and reports at the authoritative scientific conferences (published reports are equated with scientific publications), and, of course, the publication of books in the authoritative scientific publishing houses.

The representatives of science must use scientific methodology in their researches, including:

- Generalization of the verified facts;
- Use of the abstract notions;
- Development and testing of different hypothesis;
- Creation of the theories as facts of higher level;
- Development of existing scientific information.

In the broadest sense of the word, every one who systematically broadens and systematizes his knowledge (competence) can refer to SCIENTISTS.

In the modern World, there are a lot of the categories for **ASTROLOGISTS**, **CONTACTEES** ... But the modern science doesn't include them and, of course, 'authoritative' scientific journals don't publish their works and their books don't appear in 'the authoritative' scientific publications...

10.2. The community of paraSCIENTific knowledge

10.2.1. PSYCHIC

So-called paranormal phenomena refer today to the study area of PARASCIENCE, i. e. a group of near scientific concepts and learnings, supporters of which try to use scientific methodology in their discoverings.

The most striking example is parapsychology, which aims at spreading psychological methodology in the researches on its specific subject that is extraordinary, sometimes unreproducible, psychic phenomena.

Today, 'parascientific knowledge' represents itself not as alternative, but as addition to existing types of scientific knowledge.

Where do we know about 'paranormal phenomena' from?

As a rule, from psychics (people with extrasensory perception), i. e. people who perceive the broader values of different physical quantities.

EXTRASENSORY PERCEPTION

(extrasensorics) (from Lat. extra – hyper ; sensus – sense) is ability of one`s body to manifest information, which is unavailable for the body of a typical human being.

**PSYCHIC is
a human being with extrasensory perception.**

10.2.2. INITIATED

Yuriy Larichev gave rather clear definition of the word 'initiated' in his book "The Slavic Veda. Hermetic philosophy in a comprehensible description. The Gospel to myself", a piece out of which is translated into English below:

"There are such people (Initiated), who don't need any recipes, rites, magic spells, and magic attributes (comprehend the difference between I and O, XXI Arcanums). They are 'other-worldly'. Their consciousnesses reach such a level of pure Spirit that gain two-pronged force. The initiate isn't enfolded in a halo of worship and sonorous titles. He retires into the solitude and fulfills his duty. Only at the key moments of the history, agency of Providence forces him to open his mind and speak.

Magician and Initiate are not exactly the same things. Magicians are usually the members of brotherhoods, orders, lodges, etc. Initiates are free from any hierarchy. Magician is a polymathic person who has reached such a degree of perfection when possessing real power and freedom. Magician is able to see (perceive) invisibility. But what is the difference between child and adult? The child, when learning to walk, thinks over every step. The adult walks automatically, without any thinking. The Initiate also influences the environment automatically (subconsciously), but doesn't do it without control. There is some hidden paradox.

The initiate has no right for a violent demonstration of negative emotions for his relief (it's unavoidable, because we live among people), and for sensitivity as well. It's very difficult to control a thought. It's even harder to control emotions. An ordinary man isn't able to control his subconscious. Using thought (and emotion), the Initiate heals good and kind people, changes the course of future events and their destinies. A lot of people save themselves near of him, without realizing this. His kind look is the indicator of God's will.

On the other hand, negative emotion of the Initiate automatically, i. e. beyond his will, spoils the lives of evil and unpleasant people. Susceptible evil usually withdraws from the Initiate and keeps away from him, it is at his mercy. But ordinary people don't distinguish the Initiate from the rest, so they handle without mittens. But if you disappoint the Initiate, it forces him to change his feelings and ask God for forgiveness for your blind naivety in order not to be in trouble. It isn't easy to "love your enemies". Do not behave among people like an elephant in a china shop. Are you always sure whom you are dealing with?

The Initiate is very attentive, because he realizes a real danger. His purpose is to come to grips with the Truth. And he stays strong in the pursuit of his goals. The acquisition of opportunities, strengths, abilities is on his way, as if by the way, but this is not a real goal. Many talented people failed at the beginning of the journey because of temptations (some practice patience in order to move on) and joined the noisy, vain and money-loving charlatans.

Magician is characterized by a strong-willed, domineering and extremely intense look. The initiate studies a soft and delicate warmth of omnipotent love. Actually, God is love. What could be stronger than love? Christ thought in such a way. One cannot pretend here."

Perfection results in three stages: purification (confession and forgiveness), enlightenment (gaining insight into God's purpose and the World) and unity (merging with God). The initiate becomes a conscious instrument of holy love and will. His ego disappears into the background and feels just like a guide. Any greatness is out of question. The more elevated person is, the less great he is in his own eyes, the more spontaneous, easy-going and cheerful he is in interpersonal relations."

Yuriy Larichev

["The Slavic Veda. Hermetic philosophy in a comprehensible description. The Gospel to myself"](#)

1999

“An enlightened man robbed himself because of his earthbound and discursive mercenariness. Ancient ancestors thought in another way. It isn't enough just to translate from one language into another. We need to change our usual way of thinking, to change our conceptual thinking into creative one. Our consciousness (unconscious collective) use images, symbolic meaning of which is hidden from a sober mind that, in its turn, uses words during its activity.

“When the soul begins to understand a symbol, appear perceptions that are imperceptible for a pure reason” (Carl Jung).

People become Initiated in such a way. You will discover the huge World, where the cat is out of the bag. But there is more to come. When Gods speak to you, you'll possess archetypical thinking.

Don't waste your life on fuss and trivial matters. Develop yourself. The path is beaten, but no one will do something instead of you. Time is getting on.”

[Yuriy Larichev](#)

10.2.3. PROPHET

**PROPHET is
someone who is in contact with divine beings, he is
go-between God and people. The revealing of GODS`
will (prophesy) is his duty.**



The terms the author connected with the GOD concept, he described in more detail in the XI “GODS” Volume of “The New Cosmic Philosophy” book series (author`s note).

The synonyms and close within the meaning words for the verb **TO DIVINE** are:

- *Foretell;*
- *Predict;*
- *Prophecy;*
- *Soothsay;*
- *Forecast;*
- *Portend;*
- *Presage;*
- *Prognosticate;*
- *Foresee;*
- *Foreshadow;*
- *So on.*

The synonyms and close within the meaning words for the noun **PROHET** are:

- *Soothsayer;*
- *Sorcerer;*
- *Clairvoyant;*
- *Foreteller;*
- *Forecaster;*
- *And many others.*

Look around. They are close to us. They understand more than those who control us and who sit in the academical presidiums. Their thoughts are powerful and material. They can do a lot of things, but they don't show off and don't have a sense of grandeur about themselves.

10.2.4. MAG vs magician

MAGIC or WIZARDRY is one`s possibility and ability to influence objects, processes, phenomena of the Universe, when one feels like a part of the World (in the broadest sense of this word).

As soon as scientists grasp the method of a specific goal achieving, it automatically wouldn`t be 'magical'. Therefore, many phenomena attributed to MAGIC before, finally they received appropriate interpretations, including hypnotism, suggestion, self suggestion and others.

ENCHANTMENT is one`s impact on objects, processes, phenomena, using energetic changes of their bodies.

All people of the World have their own magic rituals, which are extremely diverse. The commonly known rituals are bewitchment or treatment by bewitched beverage, ritual washing, anointment with sacred oil, wearing of amulets, etc. Magic rituals were also widespread at the beginning of ploughing,

sowing, harvesting, when causing rain, success during hunting, war, etc. Such rituals often combine several types of magic techniques, including incantation (spell). The origin of each type of Magic is closely connected with the certain conditions of people practical activities. In modern society, magical rites take a back seat to more complex forms of religion, to prayers and propitiatory cults of the higher gods. However, in this case Magic is an important part of many rites in any religion. So, magical rites are very important in the Christianity (chrismation, concelebration, pilgrimage to 'holy' healing springs, etc.), Magic for weather and fertility (plea for rain, blessing of harvest, etc.).

**MAGICIAN is
someone who influences different objects, processes,
phenomena, using magic.**

“Magician is a synonym for Chaldean, wise man, who possessed secret knowledge, from sorcery to truly scientific ones, that were divided into several categories (hurtummims — actually, magicians, asshafims — spell readers, gazers are stargazers, etc.).”

“Magic capacities, or capacities for magic are inborn abilities to perform magic. Magical actions need energies from subtle planes of existence through appropriate subtle bodies and through connection with the Primary flow. Every being has such a flow of power, so it can be stated that everyone has such abilities. The difference is only in how easily this being can come into contact with subtle plans and use the energies of these worlds as well as his own Vital Force. However, the difference is not as big as it might seem at first glance. All children have roughly the same abilities for moving of vigilant consciousness to

the near-physical subtle worlds. The difference begins to increase with age or, more correctly, depends on upbringing and education. If a child constantly believes in the reality of things happening to him in subtle plans, then he/she will possess not only peculiar subtle bodies, but will have ability to easily move vigilant consciousness into any of them. In addition, the connection with the primary flow of power is developed (strengthened). Namely, this is the main component of magic. Naturally, magical capacities can be developed or, to be more precise, restored, in almost any person.”

D. Yablokov

[“The Theory of Magic”](#)

2010

Ritual magic is one of the most ancient directions in magic. It is of a great importance when conducting group magic actions.

**RITUAL MAGIC is
one of the directions in practical magic, where ritual
is the main part of magic actions.**

Nowadays Magic is divided into black (appeal to ‘evil spirits’) and white (appeal to ‘good spirits’).

**The question whom does a magician communicate
with is the question of his own faith.**

Often, Magician`s communication with unknown and invisible creatures can lead to awful consequences. These creatures more knowledgeable than Magician, they can appear in any form and, ultimately, kill him.

At the end of the 20th century, a huge amount of the literature on practical magic, which became available to inquisitive minds, led to another perception of the terms MAGIC or MAGICIAN. Let`s name the subject of these “experimenters” as “magic”, i. e. MAGIC, but in inverted commas and with small letters:

**MAGIC is
a method of achieving a certain goal, which one uses
on the basis of information from well-known books,
that`s why it isn`t quite understandable for a
magician himself.**

MAGICIAN is someone who practicing magic .

10.2.5. ENCHANTER and ENCHANTRESS

**ENCHANTER (ENCHANTRESS) is
some one who is able to apply (use)
ENCHANTMENT.**

**THEURGY is
a magic action, which is performed by using spells –
special vessels filled with water.**

**ENCHANTMENT is
a magic action with a long-term effect on the people
bodies.**

A peculiarity of enchantment as a kind of magical action is that it is insignificant in terms of energy. Nearly always, statistics of these influences are positive. It was fixed in the following words – **CHARM, CHARMING WOMAN** ... Romance word “charm” has the same root.

Enchantment can be natural (as one of the personality`s manifestations) and directed (specially created).

10.2.6. SHAMAN

**SHAMAN is
one who has ability to communicate with spirits and
cure different diseases by being in trance.**



**Altai shaman with a tambourine on the background of a traditional dwelling – chaadyr.
1911-1914**

The term is widespread in many world's languages. The word shaman is taken from the Tungus-Manchu languages, it's connected with the verb *ca* – “to know” in English. Every nation has its own names for shamans, which can vary even for the same people, depending on shaman's functions and category: for saha (yakut) — **ойуун**, for Evenks, Nanais and Manchus — **saman, shaman**, for Nenets — **тадебей**, Buryat — **боо**, in Chuvash (suvar) — **ырамащ**, in Kets — **сенин**, in Altai — **кам**. The word **камлание** derived from the Turkic word **кам**,

it denotes shaman`s ritual, which is interpreted as a journey through the worlds of the Universe.

“The term is borrowed from the dictionary of the Tungus tribes, and referred to a person in a state of trance. In Russia, the term appeared around the 17th century. Then, in the XVIII century, it became popular in Europe, and then in the whole world. Gradually, the terms ‘shaman’ and ‘shamanism’ (voodoo) began to denote the whole system of ancient worldviews. People become Shamans, having passed the ‘period of becoming a shaman’”.

“Shamanism is a philosophical conception, a worldview based on an ecstatic (obtained in a state of ecstasy) experience.”

Dmitry Yablokov

[“The Theory of Magic”](#)

2010

10.2.7. SORCERER (WIZARD, WITCHER) and SORCERESS (WITCH)

SORCERER (SORCERESS) is one who possesses hidden (not public) knowledge.

Nearly always, sorcerer (witcher) and sorcerer (witch) are magicians.

SORCERER (SORCERESS) (in mythology) is someone who is endowed with supernatural wisdom. In the Slavic mythology, sorcerers are synonyms of such words as witcher, witch, magician. Active sorcerers practice sorcery (magic) and are magicians themselves.



A trip to the witch. Edward Frederick Brewtnall. 1882

“Nowadays, sorcerer (sorceress) is almost always misunderstood to be enchanter (enchantress) in the public consciousness.

Unlike sorcerer, knowledge of the witch is almost always intuitive (that can be regarded as the equivalent of magical abilities), it was gained from Mother Nature itself. Thus, a witch can be any woman who doesn't even think about possibility to have magical abilities, and it doesn't prevent from using them (unconsciously) in everyday life".

Dmitry Yablokov

["The Theory of Magic"](#)

2010

10.2.8. WIZARD

WIZARD is the synonym for MAGICIAN.

10.2.9. WISEMAN and WISEWOMAN

"In the ancient Western Asia, Asia Minor and Mediterranean, WISEMAN is a collective name for people possessing secret knowledge. The historical homeland is Assyro-Babylonia, where were several categories (classes) of wisemen, each of them had peculiar name (asshafims, hertummims, gazerims, etc.) and all they had a common name CHALDEANS. At different times, they were either 'priests' or an independent class. Subsequently, the word 'Wiseman', like the word 'Chaldean', became synonymous with the word 'magician'.



The meeting of Oleg with a wizard (wiseman). V. Vasnetsov. 1899

In the Ancient Rus, wisemen were mages, who possessed (unlike enchanters, quacks, wizards and sorcerers) vast magical abilities – from a weather magic to the transformation (metamorphosing) and teleportation. Besides, they possessed extensive knowledge of the secret sciences (astrology, alchemy, etc.). In the ancient sources, there are references to the wisemen who specialized in one field of a magical Art (e. g. 'wisemen – cloud pursuers'). They often acted as priests, that later (when the original Slavic faith was practically destroyed, approximately XIII-XIV centuries) led to the identification of these concepts, and all the priests of the disappearing religion began to be called as wisemen."

Dmitry Yablokov

["The Theory of Magic"](#)

2010

10.2.10. FORTUNE-TELLER (WICCAN)

FORTUNE-TELLER is a professional prophetess, wiccan.

“The art of divination in the Ancien Rus, just like in other countries, has its own deep roots, and according to archaeological finds, our ancestors in the Paleolithic (Stone Age) have already knew these magical practices. Apparently, this art was in full swing in the XI-XII centuries, but after it gradually fade under the pressure of the coming Christianity (a fortune-telling was a sin for this religion). By the beginning of the XIX century, cartomancy and coffee cup reading were the only arsenal of professional wiccans (that was reflected in the very name of this profession – wiccans began to be called fortune-tellers). The peculiarity of such a magic direction in Russia is that only women were involved in the divination (the words ‘pellar’ or ‘sorcerer’ practically aren’t encountered).”

“Based on a certain methodology, fortune-tellers interpret this or that event, which occurred during divination. The principle is the following: if the situation A happened during divination, then the event B will take place in the real life”.

Dmitry Yablokov

[“The Theory of Magic”](#)

2010



St. John the Baptist`s day. Fortunetelling on flower crown. Simon Kozhin, 2009

**FORTUNETELLING is
a way of representing predictions, using any things
(coins, cards, wands, crystals, jorums with water,
etc.).**

10.2.11. QUACK (WHISPERER) and HEALER



At sorcerer. A village quack. Grigory Grigorievich Myasoedov, 1860

“The concept largely coincides with the word WIZARD. Although, there are minor differences between them, they are often considered to be synonyms. As a rule, possessing approximately equal abilities, wizards give preference to observations and researches, but quacks (healers) – to practical applications of their skills. They both, as a rule, are magicians.”

“Quackery includes a vast scope of knowledge and skills such as herbal treatment, indication of optimal terms for the agricultural works, treatment of

domestic animals, midwifery, creation of protective amulets, talismans and magical protections (from evil eye, spell), as well as free from negative magical impacts, usage of healing and household magic, etc.”

“The name ‘whisperer’ appeared due to the fact that quacks often do their magic actions along with unintelligible whispering of prayers, conspiracies and spells.”

Dmitry Yablokov

[“The Theory of Magic”](#)

2010

10.2.12. SORCERER and SORCERESS

**SORCERER (SORCERESS) is
some one who is able to involve non-human beings
(spirits) for the implementation of his magical
actions.**

“Sorcerer — a person practicing sorcery is always a magician. Magical abilities (basically, ability to consciously stay in the astral world) can be small, since the main impact on the execution of magical actions is experienced by the astral being of the doer. The goal of the sorcerer is to involve an appropriate creature for accomplishing the task, and make it work in the right direction. People with in-born abilities to ‘enter’ the astral (so-called born sorcerers), or people who have learned this (trained sorcerers) become sorcerers. The stories about sorcerer’s ability to impart his gift to any person before death, are most likely to be a myth. The torments of the sorcerer at death’s door, colorfully described by people, are explained by the fact that the etheric body is full of astral energies and mental bodies of the sorcerer is able to periodically reactivate the

functioning of the physical body during two or three days. It makes it to experience (when the Prana is exhausted in the etheric body) the process of dying again and again.”

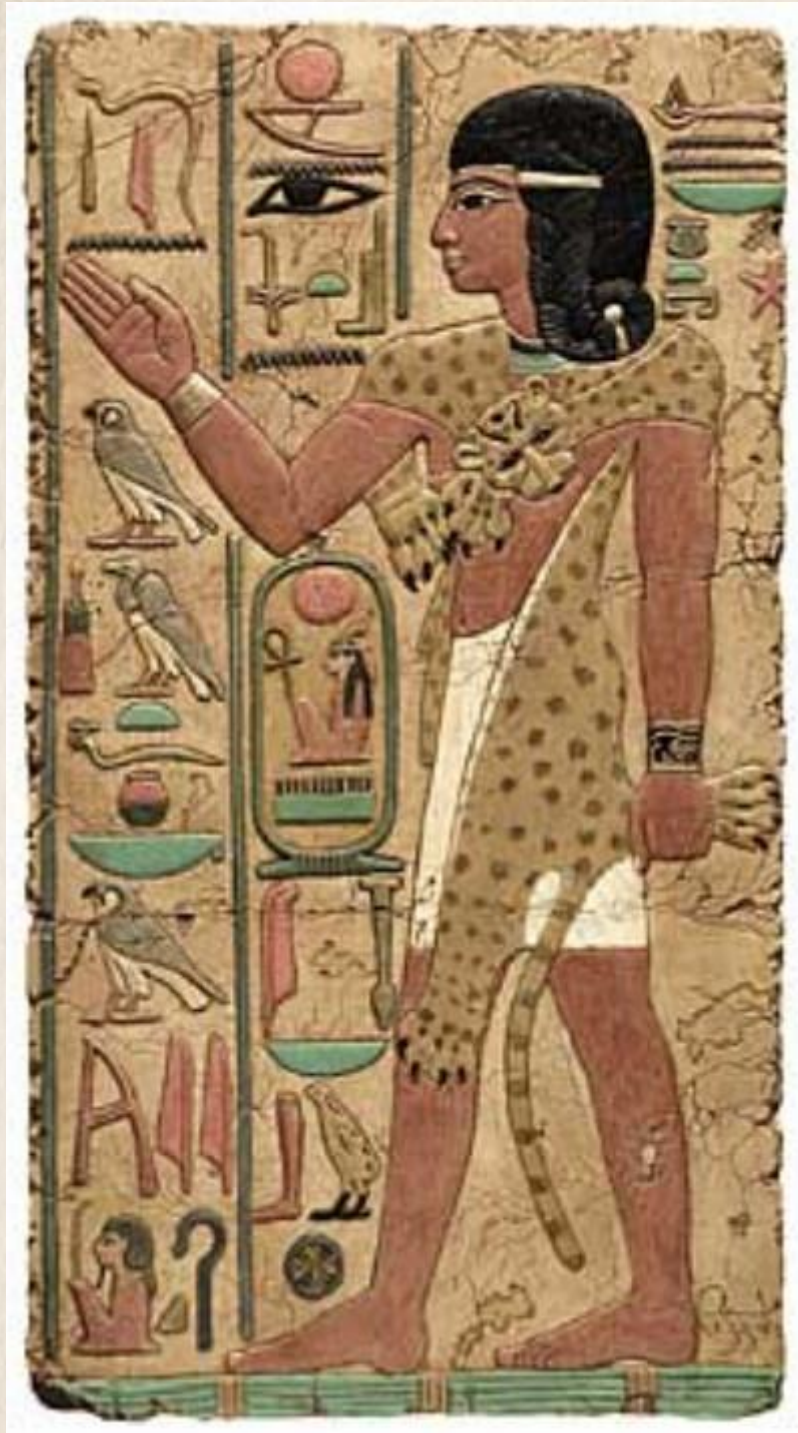
“Sorcery is one of the directions in magical practices that is characterized by involving beings from the lower subtle planes during almost all magical actions (basically, beings from the astral world). It is similar to shamanism. Originated in the ancient times, sorcery began to acquire attributes of systematic knowledge and skills in the ancient Babylon. In the period of the late Middle Ages in Europe, pseudoscientific sorcery reached its heyday as demonology. People have created the huge lists of various demons and other creatures of the subtle worlds, spells on their appearance and on forcing them to fulfill the will of the caller. In spite of such powerful training, ‘an enlightened’ demonologist in practice could do only a small part of things that a village sorcerer or shaman could. The common practical sorcery deals with two kinds of the astral beings — the real inhabitants of the astral world and artificially created beings. The latter are divided into those created by the sorcerer himself and by someone else (usually, these creatures are the figments of collective imagination: Satan, angels, etc.).”

Dmitry Yablokov

[“The Theory of Magic”](#)

2010

10.2.13. PRIEST and PRIESTESS



Young Seti I in the image of Maa priest

“The word жречество (Eng. hieratic priesthood) was derived from the ancient Russian ‘жръти’ (old Slavonic ‘жръти’) — ‘приносить в жертву’ (Eng. to sacrifice) and

‘совершать жертвоприношение’ (Eng. to make a sacrifice), which is single-root with the word ‘жертва’ (Eng. sacrifice).”

P. Ya. Chernykh

[“The historical etymology dictionary of the modern Russian language”](#)

The hieratic priesthood (server — priest) is a group of people engaged in the study of natural phenomena and performance of the acts of worship in archaic civilizations. The priests were considered as mediators in communicating between people and the world of gods and spirits. The priests also were the forerunners of scientists, lawyers, doctors, philosophers, etc. In the world religions (Buddhism, Christianity, Islam), the clergy became a successor of the priesthood.

The priesthood is connected with the development of religion. The primitive tribes and some modern folks (aboriginal Australians, Papuans, Veddians, Fuegians and others) didn't have special priests; mainly, the genearches on behalf of the whole generation performed religious and magical rites as well as people who earned a reputation for knowing the principles of influencing the world of spirits and gods due to their personal qualities (quacks, shamans, etc.).

The development of a social differentiation goes with the appearance of professional priests who arrogated a right to contact with different spirits and gods. People have accepted the priesthood, sometimes by a direct inheritance of the priestly title. There are special corporations of the priests; they are

usually both by origin and by position close to the leaders, who themselves often perform functions of the priest (sacred chiefs, 'kings-priests'), or represent a separate class.

11. PERSONS OF FAITH

EXPERIENCED created different RELIGIONS and RELIGIOUS DOCTRINES. These creations are necessary for achieving the certain goals.

**Those believe who don't know.
They believe those who claim to know.**

"FAITH is the admission of something as the truth, often without a preliminary physical or logical check, by virtue of inner, subjective, inescapable opinion without any need for evidences, although it sometimes tries to find out them."

FAITH is the basis of any RELIGION.

"Faith is the realization of expectations, and confidence in invisibility."

New Testament (Heb. 11:1)

PERSONS OF FAITH are supporters of any FAITH.

“A savage man has a lot of faith. He loses it, when comes close to science and begins to speculate. The world view is changed to dreary one. The new deeper penetration into the laws of space, into the picture of the universe, some renunciation from the Earth life gives such a pleasure and consolation, before which many hot religious beliefs just pale into significance.”

Konstantin Tsiolkovsky

“The Living Universe”

1923

“Faith is just a soothing rattle bag for those who cannot think.”

Thomas Edison

These are religious doctrines that regard faith as one of the main virtues. In the Christian tradition, faith is people expectation of their hopes to become true, confidence in what they don't fully understand and haven't seen before.

Persons of faith are the representatives of a particular religion or doctrine, representatives of the certain religious models of the World. For many, their faith is a certain guide for actions, a backbone, a criterion for a certain choice. The person of faith perceives the object of faith in his/her own way, and not in the way as independent observers do.

But...

For the authors of the modern dictionaries, faith is religion, and religion is faith. In reality, the Russian word ВЕРА (Eng. faith) is connected with such words as совершенство (Eng. perfection), свершение (Eng. achievement), вершина (Eng. top-stone), that represents faith as a special art form for searching an

ideal, which is intended to improve man and the world. Therefore, the purpose of faith wasn't only the search for ideals (new perfections), but also the creation of Gods in nature, and a close alliance between man and existing Gods (i. e. Gods with a natural origin). That's why the invaders destroyed FAITH by inventing false books that serve as the basis for the creation of false religious teachings ...

12. FAITH vs KNOWLEDGE. Does any KNOWLEDGE exist?

Don't believe anything.

And it doesn't matter where have you read it, and who has told you it, just don't believe if it doesn't fit your own understanding and your common sense.

Buddha

If one considers **INFORMATION** to be perception in the form of DATA that one received during cognition, and **DATA** are representations of a formalized information, which is ready for a future transfer and processing, then it's possible to determine the sources of these data.

One receives the main amount of information for processing during:

- obtaining information from a random or non-random interaction with different objects such as radio, television, press (newspapers and magazines), neighbors, some ones you know, relatives, strangers, etc.;

- obtaining information in the period of study — from preschool teachers, school and university teachers, etc.;

What do we see?

One (child, schoolboy, student, candidate...) RECEIVES the main amount of information from other “teachers” (scientists, academicians, preschool teachers, speakers, journalists, writers, onscreen moderators, poets, artists, theatre and film actors ...).

Based on this particular information, the majority give preliminary definition of what is “good” and what is “bad”, the purpose of the Earth life consists in determining exactly these issues.

Let's call all individuals whose main activity on the Earth is to convey information to the rest of people as 'ARTISTS'. And a lot of questions arise:

- Who are these “artists” and why do they convey information to others?
- Why do “the actors” of theatre and cinema, writers and scriptwriters get more money than those who play or describe them?

- Why do people assert that “artists” don’t “travail” or “work”, but “are employed” by someone?
- Whom are “the artists” employed by?
- Whom an individual beholds, listens, and trusts, i. e. “take on trust”?

All the mentioned above is peculiar one’s FAITH:

- One’s FAITH in news, forecasts ...
- One’s FAITH in those “artists”, who create and convey this information to this one ...

It may seem that one has no KNOWLEDGE at all, but only FAITH...

One can assert that he/she KNOWS something ...

But get to know better with him, and it turns out to be that he has no KNOWLEDGE ...

Maybe, there is no KNOWLEDGE at all?

It may seem that FAITH is a kind of DATA that one received from “artists-mediators”, and KNOWLEDGE is the same, but received without participation of any “artists-mediators”.

Let`s check the last statement. Imagine that an individual will use only his receptors, information transfer channels and processing units of the BODY.

But it turns out that NOTHING (the World, in the broadest sense of this word) hasn`t length, color, smell ... These are just subjective characteristics of SOMETHING (a small part of the World, in the broadest sense of this word), which was manifested as sensations, i. e. one has attributed certain subjective characteristics to a CERTAIN BODY of any object, process or phenomenon.



Today people learned how to create ‘odors’, and only one in a million can recognize their artificiality. In other words, you can drop these ‘chemicals’ on the bread, and a blindfold person will say that it is a meat (for example) or a strawberry ... There are no ‘artists’-mediators in this example. So, this is one`s KNOWLEDGE, and it corresponds to his reality ..., his world (even with a small letter) ...

If an individual doesn`t open his eyes, he will THINK that he KNOWS he was right, that it is really a meat (for example) or a strawberry ...

And if he opens his eyes, and will see a piece of bread, he will be confused for a few seconds, but he trusts HIS OWN NOSE and therefore can assume that the bread has a new smell (based on the new ingredients, producers begin to make new varieties of bread), i. e. he will try to explain sensations of his body ...

The same situation is with all other receptors of one`s body. They can be deceived ... They can be replaced ... But despite this, it will be one`s KNOWLEDGE one has acquired without the help of 'artists-mediators'. It will be the REALITY of a certain individual ... his WORLD ... his UNIVERSE ...

There are a lot of similar examples:



People in the sphere of super- and hypermarket business have learned some tricks to deceive their customers, illuminating from beneath meat products with the special 'red' lamps, so the products seem to be 'fresh'. But when a seller takes out them of this 'special' place, as this meat (sausage) becomes undelicious in an ordinary lighting.



Many producers use special substances (such as saltpetre) during the meat production to create a 'tasty' reddish shade. Although everyone knows that boiled meat cannot be red, actually ...



One specialist whose profession is closely connected with the agricultural production, revealed a big secret of how to grow young piglets. He has heard this secret from old rural residents. Farrowed pigs, as a rule, differ greatly in weight and in many other qualities (parameters). These differences lead to the struggle between strong and weak pigs, killing isn't an exception. The way out is very simple — the purchase of an air freshener. Any freshener. Any smell. And the owner 'refresh' all the farrowed pigs. After this procedure, all the piglets become 'friends' and make up a quarrel. All pigs have the same smell, so, there was no reason for struggle, i. e. they are all of a kind now.

If we take into account that a HUMAN BEING is far from the body of a human being, it turns out that so-called 'dense BODY' is also a kind of 'artist-mediator'.

And this 'artist' consists of three coherent components:

- receptors;
- channels for information receiving and transferring;
- information processing and decision-making unit (brain);

Each of these components can distort information, i. e. can 'be inaccurate'.



The receptor can be damaged, changed (mutated), different objects can affect it, ... Something strikes the eye and it begins to water... Color blindness ...



The channel for information receiving and transferring can be also damaged, changed (mutated), different objects can affect it ... The examples are an arm hurts or it is broken that leads to the change in tactile sensations ...



The information processing unit can also be damaged, changed (mutated), different objects can affect it... As examples: concussion of the brain, senile changes in the brain, the operation of alcohol on the mind...

So, it turns out that an individual can trust neither surrounding 'artists-mediators' (in relation to his body), nor near 'artists-mediators', i. e. his own BODY or BODIES (depending on one`s worldview) ...

And what about sorcerers (people who use information and help from other non-human beings in their activities)? The answer is obvious: they also HAVE FAITH. They believe in their awareness of whom they communicate with, they believe that they are told 'truth'. Although the truth is contingent, i. e. it`s always subjective ...

What is the way out in this situation?

As the simplest decision — you can try to reduce the measurement errors a little by calibrating the receptors, information transfer channels and the processing unit and nothing more ...

How is it possible to cognize the World (in the broadest sense of this word) in existing situation?

The answer is quite simple:

1. Buddha was right by saying: “Don’t believe anything. And it doesn’t matter where have you read it, and who has told you it, just don’t believe if it doesn’t fit your own understanding and your common sense.” Everyone has “his own World”, “his own reality”.
2. Decrease the number of “artists-mediators” during cognition as much as possible ...
3. For a cognition, make us only of (gaining KNOWLEDGE) energies of every point of space, by ‘penertating’ yourself into them and by considering the

World exactly from this 'point of view'. This is the way you see the world through the eyes of the CREATOR (All-father of all things existent ...).

That`s all...

So, one can make a supposition that the boundary between information one can consider as his FAITH and information one can consider as his KNOWLEDGE is apparent. And one`s method of information receiving is the INDICATOR for referring information to FAITH or to KNOWLEDGE.

13. The main methods for access to HIDDEN knowledge

13.1. The ways to “broaden” one`s consciousness

Since any individual is able to perceive information only through the body`s receptors, then we can make a conclusion that

One has an opportunity to broaden his consciousness in the case of a real range extension of various physical quantities, which one is able to demonstrate as sensations.

One has a real opportunity to broaden his consciousness in the case of realization (systematization, generalization) of witting he has manifested.

That`s why people say that the notion **CONSCIOUSNESS** has its ‘**BROADNESS**’.

The ‘broader’ is one`s ‘**CONSCIOUSNESS**’, the bigger amount of ‘**witting**’ about the object he can systematize. The ‘narrower’ is one`s ‘**CONSCIOUSNESS**’, the less amount of ‘witting’ about the object he can systematize.

13.2. “Common language” is the basis for information exchange

13.2.1. “Common language” for the exchange of PUBLIC and CONFIDENTIAL information

What is necessary for interlocutors to receive and/or transfer such knowledge?

The same education and the same language of communication will allow them, in most cases, to find so-called ‘common language’ in the communication.

**COMMON LANGUAGE for
the exchange of PUBLIC and CONFIDENTIAL
information is the SAME KNOWLEDGE in the
interpersonal information exchange (language,
speech, education, etc.).**

13.2.2. “Common language” for the exchange of HIDDEN information

COMMON LANGUAGE for the exchange of HIDDEN information is ones` ability to **MANIFEST THE SAME SENSATIONS** during information exchange with the same objects, processes, phenomena.

13.3. The methods for the manifestation of hidden information

There are several basic methods for people to manifest HIDDEN information and to obtain HIDDEN KNOWLEDGE:

- Accidental “posttraumatic syndrome”;
- Specially created “posttraumatic syndrome”;
- “Spiritual” practice;
- The use of special technical facilities;
- The use of “additional illumination” and “lighting”.

13.3.1. Accidental “posttraumatic syndrome”

Accidental injury can provide someone with ability to expand the range of manifested physical quantities. There are many cases when people begin to possess psychic powers after lightning hit, injury by electromagnetic or other fields, toxication by any substances, as a result of a clinical death, concussion of the brain after falling from the height, experienced stresses and psychological traumas, long-term drug abuse, wrong drug treatment, etc.

> 99% of many modern “clairvoyants” get their psychic powers under the same of mentioned above circumstances.

As a rule, the mass media make public such manifestations of one`s new abilities and opportunities, and individual`s material condition begins to increase due to this potential.

But the ‘trauma’ affects the functioning of one`s body, and accordingly the quality of such “manifestation”, i. e. the quality of its “demonstration”. In this case, it may be not “expansion” of the ranges of one`s manifested physical quantities, but only adding any new sections of these ranges that leads to mistakes in “the manifestation” of hidden information.

13.3.2. Specially created “posttraumatic syndrome”

The use of special chemicals (drugs ...), physical impacts on the human body (holotropic breathing, prolonged rotation around your own body, etc.), impact of various electronic devices on the human brain is very similar to an accidental “posttraumatic syndrome”. This is the MODIFIED state of one`s BODY, which dramatically deteriorates the processing of incoming information.

As a rule, many military-industrial complexes all over the world conduct such experiments. The main goal is to create a “universal soldier” of the future who will be able to read the thoughts of other people and influence various objects over a distance.

But any methods of “accidental” or “non-accidental” body injury degrades the channel for information receiving between the receptors and information processing parts (the Brain of one`s body), so, it strongly distorts any type of information.

So, the author isn`t interested in these methods and he will not consider them for his research in the future.

13.3.3. “Spiritual” practice

One is able to “expand” the range of various physical quantities, which are perceived by receptors without trauma of the body, i. e. to have the possibility to manifest different objects and phenomena that were previously unavailable by self-development, and the study and realization of “spiritual” practices is one of the ways for doing it.

Therefore, spiritual practices (philosophical teachings) exist from the earliest times, the main task of them is to broaden the opportunities for the manifestation of one`s sensations. The examples of such practices (teachings) are **Sufism** within Islam, **Kabbalah** within Judaism, **Neidan** within Taoism, **Yoga** within Hinduism, Ch`an (Esoteric Buddhism, Dzogchen, Zen) within Buddhism, **Hesychasm** within Orthodoxy and many others. In ancient Russia, [Volkhvs](#) were the representatives of such practices.

**SPIRITUAL growth is
the learning and realization of philosophical
teachings (spiritual practices), the main task of which
is to broaden the possibilities for the manifestation
(perception) of sensations by one`s body (bodies).**

**SPIRITUAL practice is
the main method for someone to continuously
expand (without any pauses) the ranges of different
physical quantities, which are used by this one during
cognition of the World (in the broadest sense of this
word) by manifesting (perceiving) it.**

Let us suppose that this is one of the methods to protect the Universe. Illiterate people, “spiritually poor” people simply cannot work with energies, so it can do a mortal harm to the Universe. We base on the research of [Petr Garyaev](#), the author of the directions in wave and linguistic-wave genetics.

13.3.4. The use of special technical facilities

The constant development and improvement of technical facilities allows people to constantly broaden the boundaries of their world. People create the brand-new machines that interwork with the wider ranges of various physical quantities. But any newly created machine can just provide someone with information.

And nothing more.



The use of special technical facilities provides only POSSIBILITY for the manifestation of 'invisible' objects. Ultrasound investigation, X-ray control, fluorography are examples of such machines. If you aren't a doctor and, at least, don't have the appropriate education and your own EXPERIENCE, then availability of equipments will be a small fry. Everything you'll see on the screens of these machines will be absolutely incomprehensible for you ...

The use of technical facilities that are able to work with the wider ranges of different physical quantities, can do harm not only to a concrete individual, but to all Humanity in the case of their mass production.

Human beings who are working with such machines, have to understand what is HIDDEN knowledge and what is the principle of their transfer to other people...

If someone has 'narrow' CONSCIOUSNESS (a small amount of information about the World one has realized, i. e. systematized and UNDERSTOOD), then he can do a mortal harm to other people.

That`s why,

**SPIRITUAL GROWTH is
the only method for someone to fundamentally get
hidden information as broadness
of your consciousness (the increase in amount of
information about the World (in the broadest sense
of this word) one has understood and systematized)
and expansion of the range of different physical
quantities one`s body has manifested.**

13.3.5. The use of “additional illumination” and “lighting”

Individuals can begin to see different objects they haven't seen before, using “additional illumination” and special created technical facilities.



Examples:

- A flashlight with a glow-discharge tube inside, the moon or stars (emission in the visible frequency range) illuminates almost any object and an individual sees these objects in the darkness;
- Infrared lamp (radiation in the infrared frequency range) illuminates the object in the darkness and individual sees those objects on the screen of the night vision device whose temperature differs from the environmental temperature;
- Radiation in the X-ray frequency range illuminates the skeleton of the human being body and a radiography of the bones on the screen becomes visible for an individual's eyes;
- Radiation in the superaudible frequency range illuminates the internal organs of the body and the image of them becomes visible for an individual on the screen of the ultrasound machine;

It worth emphasizing that some of the mentioned above objects are beyond a visible part of the spectrum (they are in the invisible part of the spectrum), but due to “lightning” or “additional illumination” of an object, an individual has the possibility to manifest the states of these objects.

For the manifestation of “hidden” information, one has to fulfill the certain conditions:

- The irradiation of a part of space by electromagnetic fields (both of natural and artificial ones) of such a frequency when the interaction between oscillations (interference, diffraction, etc.) will make visible the object you observe. Based on this information, it's possible to create devices that will transfer current information in these frequency ranges to the visible spectrum of the light stream and it will be safe for the body. And the information value of this transfer will be connected only with the sampling frequency. The examples are ultrasound investigation, fluorography, etc.
- To increase the intensity of the light streams in different frequency ranges. It should be noted that this process can be very dangerous for people bodies. As an example, a higher intensity of the infrared range will cause skin burns, and higher intensity of the X-ray range can even destroy the cells of the human being body, etc.

The natural sources of “additional illumination” can be:

- Electrical and magnetic fields of the Earth;
- Celestial sources — Sun, stars, galaxies;
- Radiance of different some ones;
- Thought forms of people;
- etc.

The artificial sources of “additional illumination” can be:

- Numerous domestic and industrial radios, electrical and other appliances;
- Combustion procedures;
- and so on.

Charlatans can use absence of information about such appliances and methods of “additional illumination”, and contrive their “clairvoyance” ...



So, let`s consider the real examples of so-called “clairvoyance” that can be interpreted as the manifestation of “hidden” information:

- Many clairvoyants have the ability to see in the infrared part of the spectrum. This ability allows them to uniquely identify areas of the skin or the internal organs as the areas with elevated temperature, and then to

make appropriate diagnosis. Many people have such ability, since the infrared part of the frequency ranges borders with a visible part of the spectrum. So, different people have different structures of their eyes, and apparently, certain people are able to perceive near infrared and ultraviolet ranges of frequencies when suffer a minor injury. These frequency ranges are close to the visible part of the spectrum.

- One of “the clairvoyants” could clearly see “the aura” of a person only if a burner is activated in the room. It was burning natural gas that provided “additional illumination” of “the aura” of the human being body.
- Ultrasound investigation, X-ray, fluorography. There is irradiation of an object by electromagnetic oscillations of the certain frequencies and the result of the interaction between electromagnetic fields of an object and electromagnetic fields of the radiator is fixed on the screen, on a patch, etc., i. e. it is transferred to the visible part of the spectrum.

Depending on the frequency range, the mechanism of formation the waves` for “additional illumination” also differs:

- Radio waves are caused by alternating currents in the conductor materials and electron streams (macro-radiants);

- Infrared, visible and ultraviolet waves emanate from atoms, molecules and fast charged particles (micro-radiants);
- X-ray radiation appears during intra-atomic processes;
- Gamma radiation is of a nuclear origin;
- Etc.

Attention!

The misuse of additional illumination can distort information about the object!



Everyone knows that the modern supermarket workers do some tricks with the products: if one illuminates a very old meat or sausage cut with a red lamp – it will look very fresh and appetizing. In other words, we see this color in a distorted, wrong way and mistakenly believe that the product is fine and ultimately, buy it.

13.3.6. The comparison of the methods for manifestation

One of our main conclusions is that any methods of “accidental” or “non-accidental” trauma of one`s body do not allow to qualitatively expand the range of the manifested physical quantities, since “trauma” at any part of one`s body (receptors, block of information processing) leads to negative consequences:

- Receiving the *irregular* range of physical quantities one`s body manifests;
- *Distortion* of sensations (manifested in information) of one`s body;

That`s why the main method for manifestation is a “spiritual” practice. I emphasize the word “spiritual”, not a religious one! This method allows to expand the range of the various physical quantities one`s body manifests, namely, one receives a *continuous* range of physical quantities he has manifested;

The use of any additional technical means, “additional illumination” and “lightning” is possible only after the appearance of one`s possibility to manifest, to sense the states of different objects, using continuous ranges of the various physical quantities. Therefore, all methods for one`s opportunity to manifest the states of various objects can be grouped in the following way:

- **The basic method** is “spiritual” growth or “spiritual” practice;
- **The additional methods** are:
 - The use of special technical means that are able to work with the wider ranges of the physical quantities;
 - The adequate use of “additional illuminations” and “lightnings”;
 - etc...

The method of “posttraumatic syndrome” is undesirable alternative.

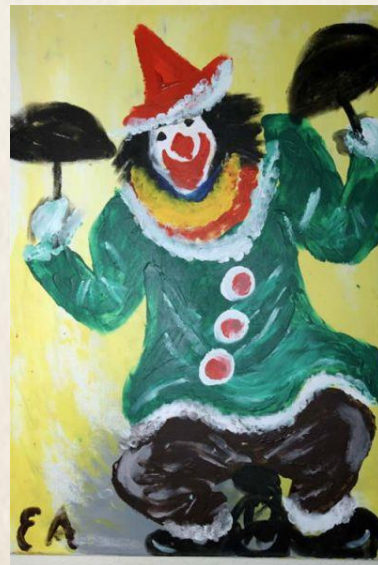
13.3.7. The example of expansion the channel for information receiving and processing

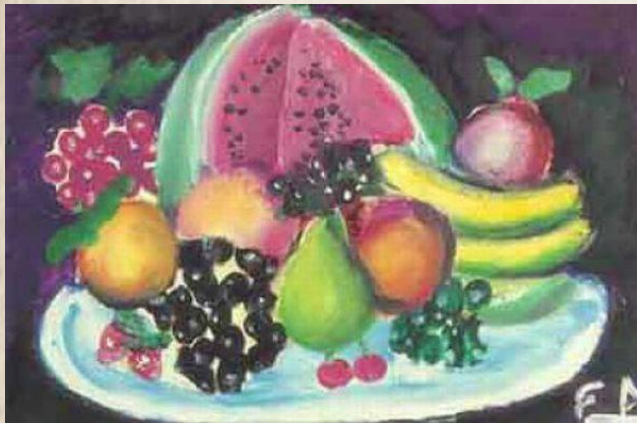
Do you know at least one artist who is blind from birth? How does he see? What he is painting? If you don't, then look at [the pictures](#) of such an artist:



Esref Armagan

He is extraordinary man. For 35 years he has been creating the beautiful oil paintings. But he is absolutely blind from birth and has never seen the world around, hasn't saw the light and hasn't sensed the abundance of colors around him. But this doesn't stop him from dreaming and creating new wonderful things.





There is such information in one of the numerous articles on the Internet:

“John Kennedy, a professor of perceptual and cognitive psychology at the University of Toronto, Scarborough, expressed his opinion about the ability of Esref Armagan: “Mr. Armagan is a very important figure in the history of fine arts and, especially, in the history of science. His paintings are really wonderful. I was impressed by his pictures and his game with colors. He is the first person in history who has clearly demonstrated that a person who is blind from birth can normally develop even without a visual contact with the outside world. There was nothing of the kind before, and, moreover, there have never been similar cases in the history of fine arts”.

Esref Armagan was born in a poor family in Turkey. In childhood and adolescence, he didn't get any formal education, and, moreover, didn't undergo any professional training. However, he learned to write and print

by himself. Esref paints with his own fingers and uses only a pencil and oil colours. He never used any brushes. Thus, Esref Armagan has developed art of painting with his own fingers for the last 35 years.

When Esref takes on the next picture, he needs absolute silence around. First of all, if he wants to create a new object in his picture, Esref studies its outlines, using Braille script, and only then he represents this object onto the canvas. Esref Armagan cannot just draw his paintings, he must feel what he is drawing, he tries to be 'inside' his picture. Therefore, for example, when he paints a sea, he often puts on a life jacket to avoid drowning in it! It's amazing perception of the surrounding reality, isn't it?

When he has creative inspiration, and feels his future creation and, moreover, is satisfied with it, only then he begins to represent it on the canvas, using his own fingers. For the reason that he uses only one color at a time, sometimes he has to wait two or three days until the already applied color gets dry and the picture will be ready for applying the next color. This method of painting is absolutely unique and only one person on the planet uses it – Esref Armagan. He doesn't receive any help during creation. It's amazing, but he somehow learned to paint a perspective! How can a blind from birth person realize what is perspective in the picture? This is inconceivable.

Besides, Esref developed his own method for creating the portraits. He asks someone with sight to sit beside him and with his left hand, he dabs one's face with a sheet of a paper in order to feel the future portrait with a touch, and with his right hand, he transfers his sensations to the next sheet – makes some sketches, and only then he lends colors to the portrait. Esref made portraits even of the former first lady of Turkey, of the current president and the present prime minister. Esref Armagan is 41 now, married, has two children. He represented his works in more than 20 exhibitions in Turkey, Holland and Czechia. He appeared on television several times and in the press of Turkey, and, even, in the BBC and ZDF programs. And the Discovery Channel has done a whole movie about him."

14. The serious technologies resemble to Magic

Fatally, the military departments will eventually appeal to purely “magical” ways for a warfighting, along with the cold and information wars that are already battle-tested and really effective. DARPA represented new technologies that will “control the sensorial perception of the enemy” in order “to confuse, hold back, restrain or misdirect his actions.” DARPA called this project “Battlefield Illusion”.

According to DARPA leaders, even if scientists will better understand “how people use their brains for processing sensory information”, the military should be able to cause in enemy “auditory and visual” hallucinations that will “provide a tactical advantage for our forces.”

All this sounds like something beyond the methods for warfighting, but magicians and generals have always had an old-established relationship. False targets, inflatable tanks, psychological impact are used everywhere.

“Battlefield Illusion” is just one of the several new programs of DARPA for manipulating of electromagnetic radiation.

arhivarrus.com

“The further development of the HAARP program will allow Americans to lay their hands not only on geophysical and climatic weapons, but also on psychotronic one. Roughly speaking, one morning people wake up and will fail to understand their own thoughts, desires, tastes, their choice of food and clothing, mood and political views will be determined by the facility operator of the HAARP or sotheming like this.”

Yuri Perunov — a scientist, radio engineer,
a leading Soviet and Russian specialist
in the field of interaction
between high-frequency electromagnetic radiations and the near-Earth
environment

15. Why do psychics mistake?

Psychics (individuals with the extrasensory perception) manifest objects, processes and phenomena just like any other individuals, but they are provided with the wider range of various physical quantities for the manifestation.

The difference is only in the range of quantities.

One person feels the warmth only by putting his hand on a hot frying pan, and the other one senses it even when the cat is 100 meters away from him.



Imagine that someone hears in one frequency range, and the other one hears in a wider frequency range. But they listen to the same symphony orchestra. Of course, they will perceive this concert in different ways. One may not even hear the certain instruments of the orchestra, although the overall picture of the symphony will be “clear” to him, i. e. it was he who manifested it, i. e. this picture is purely subjective.

If a psychic hasn't received his abilities as a result of post-traumatic syndrome (his body was injured that led to changes in the functioning of the body's receptors, information transfer channels, information processing units, etc.), then it can be asserted that

Any psychic manifests objects, processes and phenomena as sensations of his BODY, he goes wrong only with their interpretation.

This is connected with the psychic's ability "to see" only a small part of object, process or phenomenon (limited by his range for the manifestation) and he must draw the conclusion (interpretation) based on this "visible" small part. The visible part of an object one sees is the BODY of this object.



Let's see whether you can fully describe the elephant with your eyes closed, touching only a part of it (tail, trunk or leg) – how it looks, habits, what it feeds, etc. The reader may object – the example is inaccurate.



Well, let's consider more accurate example. Based on the specific intelligence finds, the president of a certain country decides to open hostilities with another state. Yes, there isn't enough information, and he can make a mistake. The meditations of a leader are similar to the ones of a psychic. Only psychic has at the beginning of the channel for receiving and processing information the receptors with a specific range for the manifestation, and the leader has at the beginning of his channel for receiving and processing

information his informers (hidden agents) with a strictly defined access to one or another limited information (a peculiar range).



Another example is when a psychic “sees” in the infrared range, that allows him to see the parts of one`s body with increased temperature, i. e. the parts where any biochemical processes are more intensive. In order to properly interpret it, psychic, of course, should have a higher medical education that will allow him to have access to information that was closed to him and then correctly interpret it. If he doesn`t have the appropriate education (knowledge), he cannot distinguish one symptoms from others and the extrasensory perception will not help him in this case ...

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