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V.P. Kaznacheev, A.V. Trofimov

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ПРОЦЕССА ОТКРЫТИЯ!  
**COSMIC  
CONSCIOUSNESS  
OF HUMANITY**



PROBLEMS OF NEW COSMOGONY

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V.P.Kaznacheev, A.V. Trofimov

# COSMIC CONSCIOUSNESS OF HUMANITY

PROBLEMS OF NEW COSMOGONY

В дар Отдельного

ГЛНТБ СО РАН

с надеждой на сотрудничество!

А. Трофимов

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**Academician Vlail P. Kaznacheev.**

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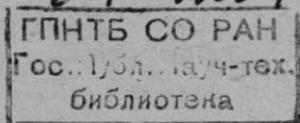
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## INTRODUCTION

The total world human Intellect in its cosmoplanetary motion is neither derivative from nor some procreation of, the social movement (social-cultural historic development). It is a peculiar cosmoplanetary phenomenon in the organization and motion of the Universe Living Matter in its earth-adapted manifestation. Probably, this concept about the Intellect is most profoundly revealed in modern natural philosophy where the idea of anthropic principles is developed. That is, "the Universe should be such that according to it the existence of observers is assumed at some certain stage" ("strong" anthropic principle) and "what we expect to observe should be limited by the conditions of our existence as observers" ("weak" anthropic principle) (B. Carter). The adoption of such points of view suggests the idea that the Universe as the object of cosmogony is all that exists not in the absolute sense, but applied to a definite stage of cognition; more concretely, in the conceptual frames of a given cosmological theory or a model (S. Lem, 1968; V. V. Kazjutinsky, 1981, 1986, etc). In this very aspect the astrophysicists' statement reads: "Although science is able to explain the world, the explanation of science itself should be given. The laws which provide the spontaneous evolution of the Universe were, probably, made in accordance with some very clever plan" (P. Davis, 1989).

Both the concept and the problems of the scientific picture of the world in light of what has been said is not a mere volume of scientific knowledge and its system expression. The system of thinking itself is only a "product" accessible to the contemporary "authorizing force" of the total scientific Intellect. It will be recalled that V. I. Vernadsky said (1931): "Science is a social education for all humans for in its basis lies the force of scientific facts and general conclusions equally obligatory for everyone. There is nothing like it in any other spiritual sphere of human life."

Science, first and foremost, consists of living people all united by this common duty. Therefore it is theoretically quite unnecessary that its work's general results should be alien and not connected with the scientific work of the

overwhelming majority of living thinking people who make up science. Scientists on the whole cannot accept either the religious or philosophic resolutions of the contradiction. They will look for the scientific one. The present state of things in science proves the prognosis that has been made. Indeed, there are more and more accumulated data and scientific researches which turn out to be unacceptable for today's firmly established intellectual scientific body. Nowadays the majority of thinking people who make up science defend their natural scientific body, created by themselves, selflessly preserving their own firmly established intellectual scale. Such is social-historic conformity to natural laws. What are the main ways of that "defence," that "democracy," in science? V. I. Vernadsky is quite right. The contradictions in the fundamental theoretical concepts are mostly resolved so that new sprouts, scientifically new crystallization points, might move into the philosophic, religious or simply isothermal horizons. The search for scientific resolution of the contradictions is often done in the same style but the other way round: new science is denounced as false science. In this case, the defenders invisibly dress themselves in an infallible cloak of Belief, not science.

In recent years, more and more scientific doubts have accumulated about Einstein's relative mechanics, quantum mechanics, and cosmogony. As is known, the scientific picture of the world was of great, but relative importance in planetary science until the end of the XXth century. At that time, planet studying and total ecological intrusion became so vast that the scientific picture of the world and its theoretical hypotheses turned into real projects for humanity-survival and the preservation of the Biosphere as well as of the Earth itself as a cosmic natural formation. A mistake in these projects will be the last mistake in the fate of mankind. At present one can hardly have any doubts about it. At the same time, in those projects and in the scientific picture of the world, Living Matter remains mere "details" of cosmogony and the Earth's evolution, since, in the best case in certain cosmogonical processes, Living Matter and its intellectual forms are considered as some "geological force" that might not exist on the Earth in a form similar to that on any other planet formations. Living Matter appeared according to the affirmed theoretical evolution canons: through life, macromolecular genetic apparatus, primitive forms, stachostic variability, selections, protohomonoids-homonoids-human being intellect, labour, social evolution.

Now one can try to make any total survival projects. The existing knowledge,

which is historical science and its practical product, is undoubtedly the grandest achievement of mankind, but this is only a small part of knowledge. The world of the unknown is immense. Is this part enough for natural revelations to preserve both the humanity and the planet? Extreme assurance may be self-murdering. Doesn't the present situation prove this? Almost all the scientific researches state the fact that the Biosphere is swiftly descending to its doom - the Necrosphere turning into the Noosphere (V. I. Vernadsky), some adaptation to each other (coevolution, N. Moiseyev and others), the moving of the Universe to a higher form of organization-Omega (T.de Shaden), or entering the postindustrial wave-space (A.Taffler). Is it technocracy's unreasonableness or a real natural planetary phenomenon that the human Intellect and its planet force is a regular mechanism of the inevitable self-destroying dynamics of the planetary evolution process? This kind of dynamics is like the process of star space formations rising and disappearing. There is a lot of true and scientific material in all the scientific conceptions enumerated above. But a part of anthropocentrism either obvious or hidden still remains. Mankind with its Intellect is still present in them as the only observer who can contemplate what he is good for. In the study of the planet, no subject scientifically studies himself as well as in cosmogony. Within well-known unquestionably affirmed scientific paradigms, it is considered a unique albumino-nucleic informational genetic (then comes social) planetary phenomenon. Mankind will preserve itself on that basis. It will master both the nearest and the farthest space. It will change planetary and cosmogonical processes. The total planet regional ecological prognoses were made after the Rome Club's prognoses. The set of international programs is being created for that purposes. A workable theory of the Biosphere and Mankind's constant development is being formulated. It goes without saying that Biosphere evolution is qualitatively invariable. The evolution of a human being as a biological formation has come to an end (or still continues in some details). In other words, Leil's actualism, which is possible in geological time, is affirmed in this conception as a fundamental basis.

Now let's come back to the world of unknown. At Aristotle's time, in the whole vision of the world, the part based on observations was separated from the part including a prior vision, transcendental concepts (physics, metaphysics). The prospects of mind development in such a way were fixed in Galileo's epoch. Later on Descartes introduced the criteria of separation into the general motion of the

## Intellect and historical culture.

In the long run Cartesianity automatically turned the scientific planet idea into an atheistic one. The people who represented science found themselves in a special social "niche", despite their individual spiritual belief in God. Further practice and science were essentially differentiated: the mechanisms of self-preservation and human survival were fixed with an influence upon the way of life and culture as well as religion and Belief Institutions on the one hand and the intellectual body of Science on the other hand. Many natural and human phenomena that didn't suit the adopted (or firmly established for generations) world outlook were rejected by the Soviets and Church as well as intellectual scientific systems. All the rejected "space" remained in the statements about inadmissibility, impossibility and falsehood of Devil's forces and physical anomalies. So side by side with the unknown geographic world including both practice and theory, there existed an undefined piece of one more world of the unknown. "It cannot be like that because that can never be!" was proclaimed. While geographic and cosmoplanetary spaces were more and more touched by the scientific set of instruments, the "no man's" strip was under the great pressure, from neither religion nor Belief, but from scientific intellectual education which prevailed in social-economic and political spheres. The conventional picture of the world was changed by a somewhat totalitarian legislation that established what is and what is not the truth as well as what is useful and what is dangerous. The state scientific administrations put that legislation into practical life and economy. This was used to filter the intellectual science body staff. Real science as a natural planetary-historical phenomenon was gradually removed from the social-democratic Institutions. Mankind on the whole suffered from the ecological, demographo-genetic and resource crises of precatastrophe. According to V.I. Vernadsky the "natural science crisis is the main cause of the close doom of Humanity and the planet. "As a matter of fact, in the XXth century Mankind's world culture and its total intellectual space diverge in the direction of the Necrosphere. The world of the unknown is the only world of our possible salvation left.

# **PART ONE**

**Hypotheses of New Cosmogony.**

## THE IDEAS OF RUSSIAN COSMISM.

"Life... is a phenomenon. It was created due to the influence of Cosmos dynamics on the earth's passive matter. It lives due to these dynamics, and every throb of organic pulsation is coordinated with pulsation of the cosmic heart as a grandiose totality of nebulae, stars, the Sun and planets."

Alexander L. Chzhevsky

Russian cosmism is a national and historical contribution of Russian cultural and scientific thought of the last century to world cosmism. This is the basic beginning combining both Mankind's empiric and scientific visions of its position in the Universe. On the modern level the ideas of world cosmism are fully expressed in the anthropic origin of natural science principles i.e. in all that nowadays is considered the scientific picture of the world. We may agree with the opinion of the editors of a set of articles called "Russian Cosmism and Noosphere" (Moscow, 1989) at the following point: "Russian Cosmism is the definite orientation of the whole culture, Russian in particular, which is based on the world outlook of moral total harmony of Man, Mankind and the Universe with respect to the Creator and creation."

Russian cosmism is a thousand years' processing of a living moral world outlook and the total harmony of Man, Mankind and the Universe in the Russian metaculture. Russian cosmism's ideas were reflected in all spheres of national culture: in philosophy by A. Homyakov, P. Chaadayev, V. Solovyov, N. Fedorov, P. Florenskiy; in poetry and prose by F. Tutchetv, V. Brusov, N. Zabolotsky, F. Dostoyevsky; in music, by P. Chaikovsky, A. Skraybin, S. Rakhmaninov; in painting by Nesterov, N. Rerih, Spassky. On the whole this is the greatest Renaissance of national culture directed to the paradigm "The world as a living organism" instead of the previous one that defines the world as a "colossal mechanism". It is important to point out that the contemporary scientific vision as a system vision ("system thinking") is well grounded in the researches of the Universe as a mechanism instead of a living organism. At present that's the main contradiction

in the prospects of natural science. No matter how obvious all the attempts of the system explanation of the structure and evolution of the Biosphere and the Noosphere may seem, in fact they reduce the essence of the problem of a cosmoplanetary picture of the world to the mechanism and liquidation of the main epicentre of Russian cosmism in culture and of living organism in science.

The understanding of the Universe as an invisible living organism requires further studying of the key aspect of its evolution and creation. By the creation, of course, a trivial, mystical divine origin is not meant. Firstly, cosmoplanetary Living Matter is various in its unity. It concerns the variety of the material structures of Living Matter, including its reasonable forms. Secondly, the interaction (interpenetration) between Living and Inert Matter requires some other vision of the Universe's integrity. It is well known from world literature the attempts at such a vision have already been made.

It is known that V.I. Vernadsky has considered the problems of Life and Man based on the concept of Living Matter. In this concept, Living Matter is regarded as a planetary and cosmic phenomenon. Vernadsky's notions about Living Matter were summarised in his book "The Biosphere" published in 1926 in Russia and then translated into French in 1929 (V.I. Vernadsky, 1989; V.P. Kaznacheev, 1989; and others). Following the traditions, which have been started by V.I. Vernadsky, K.E. Tsyolkovsky, A.L. Chizhevsky and other Russian scientists, I will try to look at Living Matter, Man and our Intellect from the point of view of the Observer situated in Far Space. This Vision, which was already typical for early Russian cosmism, is just now reviving. When we look back on this Vision from the point of view of already existing notions, we can say that the Vision of planet Earth from the cosmic depths and our Essence on the Earth have already been concentrated in Myths, in theological and sophiological teachings. Contemporary philosophy pays much attention to such a Vision not only in Russia, but also in the West. There is probably much truth in these priori knowledges. This is also true when considering different trends in contemporary sciences and contemporary natural sciences, where empirical knowledge and definite logics of events and data compel scientists to reproduce and to corroborate in their experiments and observations one prognosis or another. However, sophiological or theological prognostications have long-standing sources, but these prognoses are poorly comprehended by the contemporary way of thinking in the real time

of the life of two or three generations. The philosophical prognostication combines immediate and remote prognoses. It comprises very general, generalized events, and it is difficult to comprehend such philosophical prognostication without exact corroboration with scientific facts. Prognostication based on the data of natural sciences is more exact, but it relates only to the nearest future of our life. The prognosing of events at atomic and molecular levels, mechanical and geological processes, which represent geological activities on the planet, or climatic and thermodynamic processes are presently sufficiently exact. However, now we know that prognoses for the nearest one or two decades (10-20 years) often appear incorrect, and ecological catastrophes of the Present, social-cultural and national-ethnic conflicts, the general state of the Living Matter in the Biosphere, Man's Health and his future remain uncertain in the scientific prognostications. There are attempts to unite different kinds of prognoses in which different aspects of philosophical, theological, scientific and empirical knowledges would be integrated into a new Vision of the Future. But this is only the beginning of the new intellectual synthesis, which I would compare with the tendencies of the development of contemporary astrophysics and physics: the two sciences aspire to create a "Greate Unification" theory. However, the unification of Theosophy, Philosophy and Science is, probably, even more immense in the scale of the task, because such a unification would create a really deep insight into the Essence of Living Matter, into the state of our Intellect and the Essence of the intellectual forms of the material-cosmic world and it would provide a really true prognosing of Man's Future. Thus, in spite of large achievements of the Rome's Club any type of prognostication of Man and of Man's prospects taken separately, either philosophical, theological or scientific, the programs on the study appears uncertain and short-termed. To make real such a prognosis, it is necessary to unite all of Man's intellectual powers and achievements. Of the most importance are problems of Living Matter and Cosmogony, which were the subjects of deep contemplation for the Russian scientist V.I. Vernadsky and the French scientist P. Teilhard de Chardin. I will continue the dialogue, which once took place between A. Einstein and R. Tagor, who entered into discussions about the Essences of material and ideal, about the ways of controlling of the World, and about the comprehension of our spiritual-historical and cosmo-planetary continuum (A. Einstein, 1967), and which were deeply considered by R. Tagor.

To some extent these items may be found in many studies by Russian and European scientists of the few last centuries. In the first line I bear in mind the works by G. Saint-Iler, G. Buforon, A. Humboldt, P. Teilhard de Chardin, who created the prognosis of the advancement of Humankind towards the Omega point (P. Teilhard de Chardin, 1987), our Russian scientist and thinker P.A. Florensky (V.P. Kaznacheev, 1990), and V.I. Vernadsky. Thus, there are problems of uniting and concentrating the contemporary cultures into a single block of Cognition, analysis of the Present, and Prognostication of its outcomes. It is possible that the philosophy of All-Unity which crowns the philosophy of Russian cosmism is just such an attempt to unite the three trends. The ideas of the Russian philosopher V.S. Solov'ev may be regarded as an attempt at the realization of this philosophy of All-Unity.

## LIVING MATTER. A VIEW FROM SPACE.

Presently Earth's Life, the Essence of Living Matter, its protein-nucleic content, and the Essence of Human's Intellect on the Earth are within the scopes of a large body of different sciences. However, a comparison of these scopes clearly shows that there is a great difference between the scientific approaches to the studies of Living Matter and to the studies of Nature (Nonliving Matter) on our planet. Cosmology, contemporary astrophysics, is the scientific synthesis of the present day. Natural Science (starting from V.I. Vernadsky), all considers our planet as an infinitesimal element of the developing Universe, beginning from the the "Big Bang", from the singular point of its origin, or in the frame of the conception of an undulating, pulsing Universe. This is the only approach to understanding the evolution of the Solar System. Comparative planetology reveals many unknown mighty processes which took place on our planet. This is a glance from Space, but this is a glance at the Nonliving Matter. This approach does not contain in itself the understanding of the cosmogonic world, the Essence of the phenomenon of Life on our planet Earth. This is quite impossible. To confirm this conclusion, I will quote P. Davis' book "Superforce", which is a summary of the contemporary studies in astrophysics (this is a back translation from the Russian edition of Davis' book): "Science can explain the World, but then we must give an explanation of Science itself. The Laws which provide the spontaneous evolution of the Universe were, probably, made in accordance with some very clever plan, and Physics is a part of this plan, the Universe has to have some final Goal, and the whole set of the existing data in contemporary physics clearly evidences that this Goal also includes our existence" (P. Davis "Superforce", "Mir" Publ. House, 1989. p.266). Summarising the contemporary generalized tendencies in astrophysics, the author singles out the Observer and his own Intellect from the synthetic vision of the nonliving, cosmoplanetary Universe's Matter which has been under discussion in chapter I, and comes to the conclusion that all our knowledge is good, but does not allow us to comprehend the Essence of our Intellect. This can well be seen in the anthropic principles of the Present.

The anthropic principles represent a very interesting generalized trend in contemporary Natural Science and Philosophy (see "The Problems of Emergence of Life in the Universe", Moscow, 1988). This scientific-philosophical paradigm indicates that Life on the Earth and Man as a bearer of Life's Intellect were created just as they are by the whole preceding history of the Universe. Therefore, Man has the right and has the ability to observe, to study, to sense everything that is determined by the fundamental features of the Universe. Thus, the Observer is restricted in his capabilities, and therefore he is predetermined in his vision of the Universe, which has created the Observer. What is the main feature of this contemporary concept of anthropic principles, the most important scientific synthetic trend in Science? It elucidates the unusually large asymmetry in our intellectual exploration of the Universe. The core of this asymmetry may be explained in the following way: If we have differentiated ourselves from Nonliving Matter, and have situated an Observer at a counting point from which he is analysing the Nonliving World and the existing currents of this World (Universe), then we can formulate the great physical unification of the four known forces. However, from this cosmic Vision it is impossible to understand the Essence of the Life, since in Dead Space, Life is beyond its existence and remains a quasicasual event in the Universe. There are no Laws which could predetermine the emergence of Life, and there are no explicit roles for Living Matter in the cosmogonic processes which would be proposed by this teaching. Thus, this is only a tool, and a part of our knowledge which can be used for broader, more systemic and different comprehension of ourselves. There were attempts of this kind; see, for example, the works by K. Pribram and D. Bohme (1980), R. Targ, G. Puthoff (Gin, 1976). These authors proposed the existence of some holographic formation around the Earth. Using the contemporary methods of cybernetics and informatics, attempts are being made to find some intellectual organization of this holographic formation, to reveal some bonds between Man and this formation, and also, with the help of contemporary physical knowledge, to elucidate some principles of the evolutionary advancement of Living Matter. But this is not the only approach to the problem. It may be regarded as an attempt, and a rather justified one, to elucidate the Essence of Living Matter from the existing knowledge about the Nonliving planet and the Universe. But, if Living Matter and our Intellect are of more, or of the same complexity as the Cosmic,

Universe's Phenomenon, then it is impossible on the basis of the simplified approach to construct not only an explanation, but even an approximate understanding of the Essence of our Life.

## NEW COSMOGONY AND LIVING MATTER.

Thus we can conclude that the modern cosmogonic generalizations, the hypotheses, can only be used as a preliminary approximation of the real formation of our knowledge about the Essence of Intellect itself, the reasonable Living Matter. Therefore, there are some other necessary approaches to the solution of this problem. When comparing the existing paradigms, then, we can understand that paradigms cannot be deduced from sophiology or philosophy. Such a paradigm can arise only in Science.

Among the existing concepts of particular interest is a cosmogonic concept which has been forwarded by one of the most distinguished astrophysicists and astronomers in Russia N. A. Kozyrev. He worked actively during 1940-1960 (N.A. Kozyrev, 1980; 1982). It is the latest, if not the sole concept, which, however, is not yet accepted by the scientific world, although there are scientists in the world who support and further develop this lead. I gave much consideration to this and exerted every effort to strengthen this astrophysical Vision in our native scientific literature. So, N.A. Kozyrev has shown that under the Earth's and cosmic conditions some stars and some bodies, which carry out entropic and negentropic developments ( a decrease or increase of their own organization ), interact with each other not only on the basis of known physical fluxes and microparticles: microleptons, neutrins and other purely physical radiations of energy and Matter, but also they interact on the basis of some unknown laws, which Kozyrev has designated as time-energy. He considers this interaction between bodies via time-energy as a normal natural phenomenon. I can quote many of Kozyrev's ideas. From just this position Kozyrev considered the interactions of the cosmic (All-Universe's) processes as a united phenomenon in which time-energy interactions are instantaneous.

Thus, Kozyrev's Space (he refers to the idea of Minkovsky's Space) is quite distinct; it is beyond the known world of Einstein's Relativity. Interaction in Kozyrev's space occurs with a velocity far exceeding the speed of light. The structures of the Universe and of the planetary world are completely different. It

seems fairly possible to match Kozyrev's notion and the hypotheses by D. Bohm and K. Pribram and the hypotheses formulated by R. Jan (1976). In the works of mathematician and philosopher V. Nalimov, this aspect of the problem was not considered adequately.

Thus, if one accepts Kozyrev's notion of the Universe which constructively comprises the interactions between energy flows, one can then conceive that in some parts of this Universe there are worlds which exist as heterogenously organized elements, and where Einstein's Relativity Laws or the present day's astrophysical generalizations are valid. Based on this position one can propose that from the very beginning of organization of the World, of the Universe, or of groups of Universes, of the cosmological infinities, Nonliving and Living Matter were formed as interacting Worlds. Therefore it is very difficult to distinguish our notions concerning Living Matter from the notions concerning Nonliving Matter. N.A. Kozyrev himself has repeatedly emphasized that probably the Biosphere, the Earth's Living matter, is by itself an expression of this spatial-temporal-energetical Continuum, and that it is of vital importance not only for Life on the planet, but also for the whole Universe, which is eternal in its manifestations of Life. The Intellect, the Living Matter and the cosmogonic worlds were considered by N.A. Kozyrev as a united indivisible process. It is necessary to discuss in particular the experimental substantiation by N.A. Kozyrev of the notion that the shining of stars, their energy and exchanges of heat, light, electromagnetic and gravitational energies cannot explain the existence of the complex interacting Universe.

He came to a conclusion that there is a necessity to break away from Tridimensional Space, from Laplas' determinism, that besides the three dimensions there exists some objective, specific, but not yet recognized Natural Phenomenon. N.A. Kozyrev has claimed that time bears information which can be transmitted to another systems. This is almost direct evidence for the fact that an increase in the density of time decreases entropy and counteracts the usual course of events. If one considers time as an energy flow (in accordance with the N.A. Kozyrev's notion), then it is natural to assume that any material bodies on the planet Earth and in Space will function as sensors, donators and receivers of this flow. N.A. Kozyrev has shown that when such a material body undergoes destruction, that is when this body approaches the equilibrium state, then the time-energy flows become positive with a very high density, and other material

bodies situated at any distance from the body under discussion and which appear to be inside these time-energy flows start to consume these flows, and their own structurality and organization increase. On the contrary, when in some district of the Universe there occurs some negentropic process with consumption of the time-energy flow and an increase in the body's structure complexity and information, then the time flows become weaker, their vector becomes negative, and the surrounding bodies which appear in the "focus" of such a negative time flow may undergo destruction and change their organization in the direction of the "Chaos" that is towards the equilibrium state.

For many years N.A. Kozyrev has conducted observations using a telescope. He mounted a thin thread of a thermistor at the telescope's focus, and the thermistor sensed the spatial-temporal flows, the energetic flows of time emitted by the stars. N.A. Kozyrev conducted this experiment many times and he has found that the position of a star, which is really existing in the present time, causes excitation, gives an energy stimulus to the crystalline structure of the resistor which serves to register changes in electric conductivity and, conditionally, its temperature (the question is not in temperature changes, but in the electric conductivity of the crystal).

When the telescope is focused on the light spot of a star, after aberration correction, it may appear that the resistor indicates the energetic flow of time. Moreover, even in the case when the telescope is focused at the spot where the star will move through the sky in due time, the resistor records the energetic flow of time. The velocity of the time flow exceeds that of light rays, and may also combine with the flow of light similar to the situation when the signal is registered together with the visible light radiation of the star. Both these flows bear some information. The essence of this information is another question since it reflects some as yet unknown component of Life, some component of the interactions of our Universe in all its forms. It is very important that the scientist has recorded similar fluctuations during solar and lunar eclipses, during sunrises and sunsets, as well as during moonrises and moonsets, in springtime during the florescence and growth of plants, during ordinary experiments with rotating instruments, evaporation of gases, sugar dilution, snow melting, etc.

All these phenomena which have been registered by N.A. Kozyrev on the Earth and in Cosmos, which break through the frames of the ordinary concept of

the Universe described by A. Einstein, allow us to conceive that the very organization of the Cosmos, the Universe's processes and flows, cannot be comprised either by the A. Einstein's Relativity Notion, or by the theory of quantum-mechanics. Both are well-known in contemporary astrophysics. Although there is some repudiation of Kozyrev's works by theoretical physicists it is impossible for the world's science to ignore his generalizations. N.A. Kozyrev has emphasized that if we do not take into account these phenomena and processes then we will fail to understand the most elementary and the most macroscale processes in our surrounding world of the present. N.A. Kozyrev has mentioned that the experimental results favour a conclusion that the Organizing Principle which introduces the active property of time exerts very small influence upon the systems in comparison with the usual destructive course of their development. Therefore it is not striking that this vital Principle was not included into the system of our scientific knowledge. But being very small it is necessarily scattered all over Nature, and thus there is a possibility for its accumulation, as occurs when small water droplets fall down on vast areas and support the unbroken flow of a mighty river. This possibility is realized in the living organisms because all their vital activities counteract the usual course of destruction. The ability of organisms to preserve and accumulate this counteraction is probably determining the greater roles of the Biosphere in the Earth's Life. N.A. Kozyrev, by his studies of the purely physical properties of as yet unknown natural phenomena, has aroused a possibility that a bridge between the planet's Living Matter and the Living Cosmos, between the cosmogonic processes, might be constructed just at this level.

Besides a resistor, in his studies N.A. Kozyrev has also used a Beckman's mercurial thermometer. The thermometer has indicated temperature changes of the object emitting energy. Since there was a very thorough isolation of the thermometer from heat flows, the temperature changes were interpreted as changes in the crystalline structure of the mercury. Thus when considering the known cosmogonic principles, when considering the works of D. Bohm, K. Pribram, P. Denis and others distinguished astrophysicists and cosmologists, then the nearest bridge between the Essence of our Universe and Life on the planet Earth is constructed by N.A. Kozyrev's works. In any case, based on N.A. Kozyrev's works, I would further strengthen the course of this scientific trend. It

has to be further supported by instrumental studies. Such possibilities exist in the frames of New Cosmology and the All-Universe's Vision where Living and Nonliving Matters coexist within the eternal transformations of material processes and flows, and where a much more important approach to the Essence of the Living Matter is hidden. It is very important since from the cosmic position it is possible to view the Essence of Living Matter on our planet Earth.

## THE SPATIAL-TEMPORAL WORLD OF LIVING MATTER

Let us glance at the spatial-temporal organization of the Earth's Life from the point of view of Kozyrev's notion which I have designated as a "New Cosmology". Thus, we know that actually Life on the Earth is a non-equilibrium protein-nucleic process with organization at the atomic and molecular levels which allows living organisms, in the course of very complex interactions with the Environment, to consume simpler forms of energy flows with the result of self-perfection, accumulation of information, adaptation and reproduction. This protein-nucleic world is the subject of thorough studies by contemporary natural sciences: genetics and molecular biology; we also know much about the evolution of this protein-nucleic world. Actually this protein-nucleic world is studied and considered by us in Euclid's Space, in Einstein's Space, and seemingly there are no contradictions in these studies. At the same time, this protein-nucleic world and the whole Biosphere, every Division of the Biosphere, and Man himself all coexist in Einstein's Relativity Space, in Euclid's Space, and in Kozyrev's Space. In Kozyrev's Space interaction of all elements occurs in a different spatial-temporal Continuum where the flows of organization of the Universe are of the primary importance. Thus the Living Matter of the planet Earth, including Man as a bearer of the Intellect, all coexist concomitantly in the two spatial-temporal Continuums, the two spatial-temporal organizations. These are Einstein's Space and Kozyrev's Space. How to understand and to match these two notions?

It is quite possible that just Living Matter will help us to construct the bridge between the two proposed Worlds, and then through the understanding of the Intellect's Essence in one World, and with the help of this Intellect, we will find a communication channel with the other World. If it is so, then we will have new prospects for the Future. In Einstein's World, the protein-nucleic Essence of our Life, including the field forms of Living Matter, are maintained and live on the flows of energy which are attributive of Einstein's Space. At the same time this very Matter with its field and atomic structures also exists in Kozyrev's Space.

When in Kozyrev's Space, Living Matter can utilize the time-energy flows and the organizations of this Space both as information and as energy, and thus construct its own structure. Back in Einstein's Space, Living Matter can utilize Kozyrev's time-energy flows in the reality of our Present. Conceding that in the two different spatial-temporal Continuums the systems under discussion really coexist, then translation of energy flows from the one World into the other one, in this World (that is, in Einstein's World), there appears a new as yet unknown source of information and energy, which could be distinguished by a more general term. In our semantics we simply do not have the corresponding words. However, when I am observing a Living System in Einstein's Space on the Earth, then this system, which concomitantly coexists in Kozyrev's Space, may be considered as a particular "perpetuum mobile" of the second kind in this real World, which consumes energy and information "from nowhere" because in Euclid's Space these sources are actually absent. But since the System functions concomitantly in Kozyrev's Space and transforms the energy-information structures obtained to Einstein's Space, the Living System constructs its own body and becomes immortal in Einstein's Space. This contradicts the First and the Second Laws and the proposed Third Law of thermodynamics. This means that we are breaking through the limits of the Universe's forbidding "true" thermodynamic Laws of Einstein's World, and thus the Intellect becomes in this respect a new subject for the study within the notions of the New Cosmogony.

## **DISTANT INTERCELLULAR INTERACTIONS. THE BIOINFORMATIONAL COMMUNICATION.**

Along with the unusual phenomena observed in Nonliving and Living Matters, which have been uncovered due to Kozyrev's notions, I would like to draw the attention of the High Audience to some new biophysical processes. For a quarter of the century these processes have been under study at our laboratory. The results of these studies have been reported in many papers and summarized in two monographs (V.P. Kaznacheev, L.P. Mikhaylova, 1981; 1985). The kernel of the result obtained is as follows.

Two cellular cultures growing in two separate glass flasks interact optically through quantum-light flows without any chemical or biological contact with each other. One of the cultures can transmit to the other culture information about its own state, thus forcing the adjacent culture to transform from a healthy state to a diseased state and then die. This Distant Intercellular Interaction Effect (DIIE) has been summarized in the above mentioned monographs, and was reproduced in several laboratories in the Soviet Union and in Europe. I hope that this effect will be further studied in many scientific biological institutions.

An important feature of this effect is that the cellular cultures are sensitive under northern conditions to seasonal changes (polar summer and polar night), to solar eclipses, to the Parade of the Planets, solar storms and magnetic disturbances, to the Nova, and even to such events as planetary damage of the Biosphere due to nuclear weapon tests, etc. Under the influence of the factors listed, the cultures change their growth and informational interactions. It has been found that normal cells being subjected to damage by some agent can transform their morbid damaged state to other cells. This information is accepted by the adjacent cells only if the latter belong to the same type of tissue as the donor cells: epithelial, connective tissue, etc. However, it has turned out that the tumor cells of whatever origin; epithelial or connective tissue, easily translate the informational flow, and distant interactions of malignant nature are realized rather freely. We have also found that when kept in a hypomagnetic chamber, cultures of cells die for some

unknown reason. Thus a large body of data obtained evidences the fact that the cell's life, which represents the protein-nucleic type of organization, also depends on the field form of organization. As far as we know, these field forms do not belong to electromagnetic processes. The latter can only accompany the protein-nucleic energy interactions. They have roles similar to those of Gurvich's mitogenic rays. Electromagnetism relates to the secondary type of radiation, whereas the field organization of the protein-nucleic core of a cell remains obscure.

What are these field forms? One can conceive that the Distant Interactions Effect is not a simple transmission of information but a distinctive natural phenomenon which allows us to reveal that protein-nucleic Life is combined with the field forms of Life. The field forms of the Life are not confined by the tri-dimensional borders of a cell and they have no limits within the cells. Thus, the spatial and temporal dimensions of the field organization of a cell do not match the dimensions defined by the cell's plasma membrane. This is a coexistence of two, or probably more, forms of Living Matter. To our mind, the cells of plants and animals represent a very long-standing meeting of different cosmic forms of Living Matter on the planet Earth, and thus represent the Essence of Living Matter itself.

Such is the phenomenon. It can be corroborated by many examples, plots and calculations. It is very important that this phenomenon has many practical applications for the understanding of pathology, diseases, etc. However, there is a particular and principal type of natural events which needs a special discussion. If protein-nucleic Life was gradually formed within the frames of the present concept of evolution, the synthetic notions of Darwin's type, and depends on its protein-nucleic core, then we have facts which compel us to doubt the primary significance and omnipotence of these concepts. Today we have experimental data which allow us to use the information of one cell and to transfer that cell's genetic information into another cell situated a great distance away. A Opsychic-Extrasense can change the cell's structure and life both towards Life and Death. With the use of instruments in experiments on cells which were kept in a special generator the authors (V.P. Kaznacheev, P.P. Goryaev, and others) have obtained results which favour the conclusion that Life's solitonic organization can be transferred at the distance of several meters to other cells.

These data allow us to claim that the cell's vital activities and the work of the genetic apparatus are based on a more complex field fundamental function; namely, it is known that during its life-span, a cell uses no more than 5% of the information contained in the cell's genome. It is assumed that the remaining 95% of the genome's information represents some safety reserve or, alternatively, different variances of the cell's vital activities. However, it is also proper to assume that the genome of a cell is constantly active and is responsible for the organization of some field holographic construction of the existing and the future bases of the cell. This field construction is a realization of all of the genome's information, and this holographic structure is then used for the realization of those parts of the genome which are necessary for the synthesis of important protein macromolecules and other molecules which in their turn are used for the construction of bodies of the existing and future forms of the living cells. Synthesis, which is thoroughly studied by geneticists in the in vitro systems, is only secondary in its nature. It is a consequence of a more complex genetic, actually field, holographic mechanism. This means that the life of a cell cannot be explained only in terms of biochemical and complex nonequilibrium cybernetic bonds and systems. It also depends on a cosmic substrate of life's holographic "portrait". We can assume that the cell combines these features. Then, probably, evolution of Living matter has to be accompanied by the appearance and accumulation of those components and mechanisms which can protect every cell or their organizations from penetration by the field holographic informational flows emitted by the neighbouring cells.

There probably exist some holographic field universal immune mechanisms which protect the cells from influences of this kind. If the fields penetrate each other, without such immunity the self-organization and the evolution of the Living Matter of the protein-nucleic World would be impossible. Thus, the protein-nucleic immunity, which preserves the unique protein constructions, the spatial-temporal organizations and the macromolecules of the secondary, tertiary and quaternary constructions, is only a reflection, or micromodel, of another as yet unknown real immune system, which in the first line shields the field features of the intercellular interactions. This fundamental property can, probably, be studied in bacteria, isolated cells, and in simple organisms of plant and animal origin. It can be a perspective for the conception I have just presented before the

**High Audience.** Thus, the Distant Interactions of cellular structures between each other is a natural phenomenon, but which today cannot be explained from the notions of E. Bauer, or A.G. Gurvich, or by the studies of the physical fields which are presently carried out in the Soviet Union by the physicists Yu.G. Gulyaev, E.V. Godik, and others. This is a conjunction of the cosmic forms of Living Matter which concomitantly exist, live and interact in Einstein's and Kozyrev's Spaces.

## THE LIVING MATTER PHENOMENON UNDER THE HYPOMAGNETIC CONDITION.

The Distant Cellular Interactions as a natural phenomenon turned out to be more mysterious, unknown and complex when in the course of our studies of this phenomenon we placed the cellular cultures under study, and some other organisms, into a hypomagnetic space.

The hypomagnetic shields were constructed in our laboratory by an engineer Zaytsev, with a space large enough for placing a Man and other smaller objects. These hypomagnetic chambers were well described in the literature. The experiments have shown that under the hypomagnetic condition, the cells deprived of their natural magnetic fields (in these chambers the natural magnetic field was attenuated by a factor of 30-50 thousand) die after 11-12 or more generations. From here

we concluded that natural magnetic space is obligatory for the cells and is of vital importance. One can conceive that in these chambers cells, being in a space cleared of natural magnetic flows, undergo a more concentrated influence in a pure form of some others, as yet unknown, flows. It is possible that just under this condition we encounter a breach or weakening of the field holographic immune mechanism which I have already discussed. Presently we can construct such an experiment in which the proposed fundamental evolutionary principle of protection from the surrounding fields can be weakened or abandoned completely. This is why I. Targ and Puthoff wrote that when, in experiments on Distant Communication, the Receiver (the Acceptor) was placed into a hypomagnetic bunker, the communication becomes more facile. It is possible that due to fluctuations of the magnetic field at the circumpolar regions, when the holographic immunity weakens due to external conditions, the cells become more sensitive to a damage, more fragile. We can propose that a disablement of this immune mechanism is precisely the main basis for the transmission of malignancy, since without this mechanism the tumor cells can easily transmit their information to a healthy cell and transform the latter into its own "accomplice". This has

already been proposed by A.G. Gurvich.

Thus, when a culture of cells is placed into a hypomagnetic chamber, the Operator with extrasensory perception can influence these cells by concentrating his will-power. The Operator can affect the cellular culture at a long distance, measured not only by meters, but by hundreds and thousands of kilometres. This contact between the Operator and the cultures of cells in the hypomagnetic

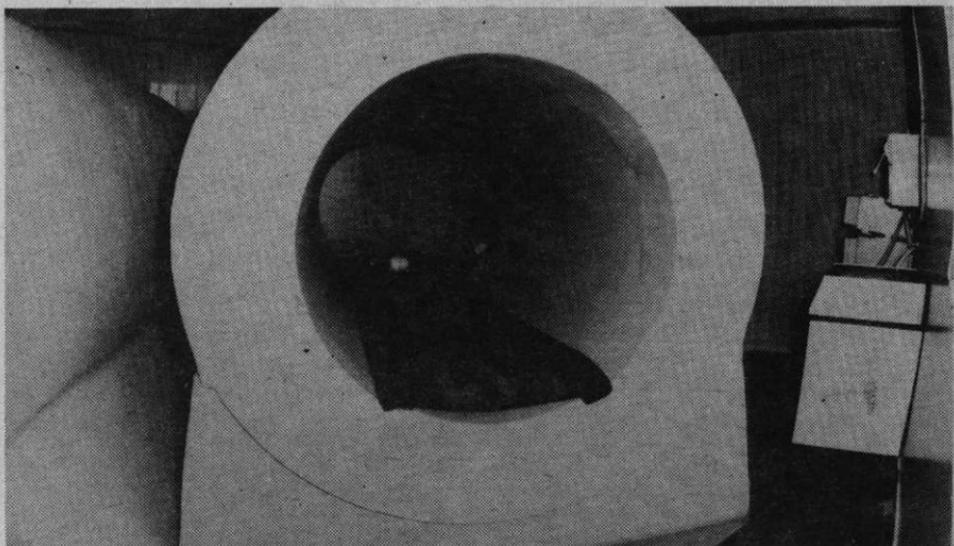


Photo.2 Hypomagnetic chamber with 600 times magnetic Earth field easing.

chambers may be preserved. In these chambers, the behaviour of cells and animals becomes rather peculiar. The cells, being shielded in such a chamber, change their receptor properties, and when being introduced into the organism of an animal, the cells are distributed through the tissues (we have studied macrophages) in a rather unusual way; that is, the cells changed their target organs due to changes in reception. The changes in the behaviour of a Man in the hypomagnetic spaces are very interesting. There is a large body of literature about weak chambers, but in our strongly shielded chambers we observed in the volunteers changes in short-term memory, and emotional status, and there was also some equilibration of activities of the right and the left hemispheres of the brain. There were also other behavioural changes, when, for example, the ex-

aminee manipulated random numbers. Thus, the hypomagnetic chambers provide a very interesting experimental approach.

In the process of the evolution of the Earth's Life, which as far as we know has existed in its protein-nucleic form for about 4 billion years, Living Matter has never been subjected to a shielding, and when it is placed into a hypomagnetic space it appears in a new, unknown cosmic Space. It is possible that in this Space Living Matter loses its immune protective properties. One can conceive that Living Matter coexists in Kozyrev's Space, and then the phenomenon of Life and Living Matter in the hypomagnetic chambers is the principal, and already the second natural phenomenon in the study of Life on the planet and its intellectual forms. It has to be noted that when a Man is placed into a natural analogue of the hypomagnetic chamber, in a deep cave, for example, then we can say that he appears under the influence of corresponding telluric fields. With the help of bioindication, with the frame of a rod, it is possible to determine the geonormalous zones. We can presume that from these zones (or caves) it is possible to make a more exact Distant Visual Communication. Such spaces change the mechanism and the Essence of the intellectual activity of a Man, and possibly these spaces can be used as channels for a transference of the nonprotein-nonnucleic, namely intellectual Essence, from Einstein's Space into Kozyrev's Space. Probably this is a means of contact between the field forms of Cosmic Life which exist in the Earth-orbital and Cosmic spaces and other Cosmic Worlds.

It has to be added that the telluric geonormalous zones, which can be perceived, may play unexpected and very important roles. Undoubtedly, these phenomena represent a translation or transformation of the planet Earth itself under the influence of different kinds of cosmic, energetical and informational flows. According to this information of telluric bodies, the Earth itself is bound not only with the geomagnetic shell which protects the planet, or some other protective atmospheric or ozone envelopes. Probably, this is a very complex process of interaction which can in its Essence be of vital importance for the regional behaviour of one or another part of the Biosphere and the people living in these zones. It is possible that Hartman's nets and the notorious "anomalous triangles", which have created so many myths and phantasies, are actually some "grounds" which can influence various intellectual features of people, their behaviour, and even the behaviour of very Nature and Living Matter in these

zones. It is important to study the nature of these geopositive and geonegative processes since large "traumas" to the Earth similar to those caused by nuclear tests and various energetic constructions may influence these weak anomalous zones, and at long exposure Life in these zones become changed, very moribund, or, on the contrary, explosive. The problem of bioindication of these zones may be switched over to the problem of a deep understanding of Living Matter's Essence, its field organizations in these particular zones of our planet Earth. This is a real task, and there are necessary studies including those on the evaluation of the Distant Informational Interactions with the participation of Man.

## THE LIVING MATTER PHENOMENON IN KOZYREV'S MIRRORS.

First of all we must settle that the term "Kozyrev's Mirrors" is rather conditional. We use this term since N.A. Kozyrev was the first who showed in his studies of time-energy flows that they can penetrate through aluminium coatings. Falling down on the aluminium sheets at various angles, these flows are reflected by the sheets. These works have been done in Soviet Middle Asia by Donchakov. He studied the living sprouts of plants placed in these "optical devices", where the energy-informational space was characterized by the optics of the time-energy flows.

In the laboratory of Helio-Climatic Pathology in our institute, spheres were constructed in such a way that the time-energy flows emitted by a man would

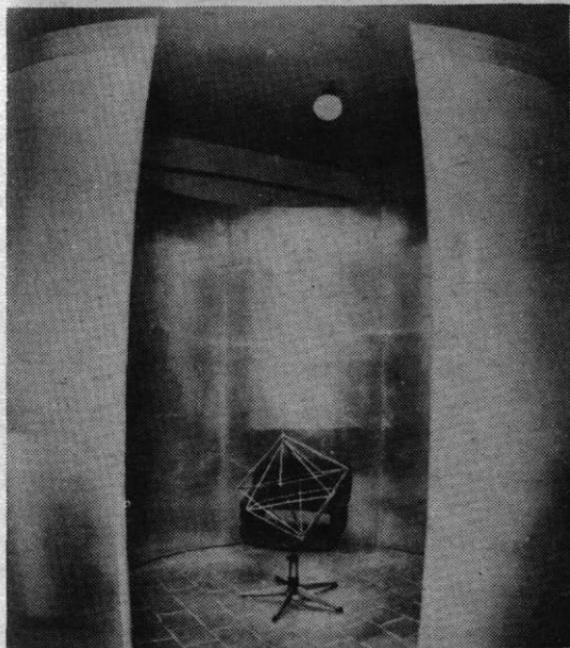


Photo.3 Kozyrev's Mirrors including  
D.Bezborodov's construction.

reflect from the aluminium surface of the sphere and thus be concentrated in a certain place. The experiments were conducted on animals and on men (volunteers). The state of a volunteer was studied in Kozyrev's Mirrors in Novosibirsk, and in the North, namely on Dixon island. It has been revealed that a placement of a man in this special space influenced him in his psycho-emotional perception, memory, verbal and nonverbal sensory perceptions. It has been found that when in this device (the Mirror) a man can easily and naturally transmit his visions to his partner over a distance of thousands of kilometres. (Novosibirsk - Dixon island; USSR - USA).

Such Distant Communication without the Mirror is known and was studied under natural conditions, and according to all available data the phenomenon is a sufficiently rare event. If the immunity I was talking about earlier really exists, then in Kozyrev's Mirrors these "grounds" become open for the translation of the intellectual time-energy construction and information over large distances.

The experiments have been conducted at various seasons and for various purposes. In general we can say that such Kozyrev's Mirrors may be considered on the surface of the planet Earth as "funnels" in which the intellectual field flows concentrate, "swirl" and "sink". With the use of such a "funnel" the experimenter can create a very powerful flow of intellectual energy in the Intellectual Field Continuum. Creation of these peculiar spaces is a new and very important experimental approach to the elucidation of the interaction of the protein-nucleic Essence and the Brain's activity during Distant Field Communications. Kozyrev's Mirrors may be used, probably, for the study of specific flows of the intellectual time-energy expanse, which may exist in the depths of the Oceans and the Earth and in Far and Near Space. These devices can be used for the development of a new approach to the establishment of communications between the intellectual worlds on the Earth's surface and in the Cosmos. Only through further development of this device, by combining it with other sophisticated instruments and devices, will it be possible for scientists to come close to understanding Kozyrev's Space. It is possible that this knowledge will provide Humankind with new forms of energy and ways to use them under the Earth's conditions (that is, in Einstein's Space).

It is necessary to emphasize that these conclusions conform with I. Prigogine's ideas about the existence in the Universe of districts where Chaos

transforms into Cosmos, thus creating the higher level of organization. However, it is fairly possible that this transformation of Chaos into Nonliving Matter occurs within the known thermodynamic Laws (including the Second Law). One can conceive that Prigogine's statements correspond more closely to Kozyrev's Space. Similar ideas have also been proposed by E. Bauer, who formulated two fundamental laws concerning non-equilibrium steady states and the maximum of the external work. We can, probably, find the same proposition in P. Teilhard de Chardin's works on Humankind's evolution, and in many other works of humanitarian researchers. Thus, studies with Kozyrev's Mirrors open new prospects in the organization of new fundamental studies in various countries and in international programs.

## PROBLEMS OF TRANSMUTATION AND STUDYING OF THE ISOTOPIC SPECTRA OF LIVING MATTER.

The studies of L. Kirvran on the problems of transmutation or transformation of one chemical element into another in the organisms of plants and animals are well known to the scientists and public of Europe. There were attempts to interpret these experimental data from positions of contemporary theoretical physics (M. Rudefer, and others). Of course, the very idea of transmutation of elements in this sense is disputable. However, to our mind, of greater importance is the idea that a protein-nucleic compound, probably combined with its field forms, can utilise the energy flows of this space through these field forms of Kozyrev's Space and thus change the atomic structures of the elements. There is no need to expound here Kirvran's ideas and his experiments on the feeding of birds, which have shown a possible transformation of potassium into calcium, and his proposals on utilization by animals and Man of atmospheric nitrogen for synthetic reactions. This can be found in the works of Soviet scientists (I.D. Volzhsky, and others).

We have made an attempt at an experimental approach to the problem of the preservation of stable isotopes in living systems. The senior researcher A.F. Rzhavin studied the distribution in living systems of carbon 12 and 13, and the stable isotopes of sulfur. A striking phenomenon has been shown: during aging or at pathological states in some tissues of a Man, namely in the blood vessels and in the crystalline lenses, a fraction of the heavy isotope of carbon (13) gradually but significantly disappeared. The remaining isotope was C 12 (Supplement 1). Why did this happen? What does this phenomenon mean? There are no reasonable explanations for the selection of isotopes in the cells which exist in the same space, feeding on actually constant isotopic spectra. There are works by E.M. Galimov and other researchers in which the scientists have made an attempt to explain these facts by the physical-chemical mechanisms of preference for one

isotope over another one, but this explanation does not fit the informational-energetic notions. Therefore, we have proposed that in the poorly known field microleptonic, neutrino and other forms of microparticles of Matter in living cells, there exists a process which directly or indirectly can transform the organization of atoms, converting one element (or isotope) into another. It is probable that protein-nucleic Life with oxidative bioenergetic processes, that is, with electron carrier proteins, macroergic compounds, etc, is purely the energetics of macromolecular substances. The field forms of Life obtain their energy and information from sources situated in other spaces, similar to Kozyrev's Space. The field forms coexist with the known physical and energetical protein-nucleic processes, and during their interactions in the protein-nucleic part of the Life there can really occur transformations at the atomic level in the flows of the microparticles. In this case, a study of the atomic isotopic spectra in Living Matter becomes another "Tunnel", which connects Einstein's Space with Kozyrev's Space. This phenomenon needs further study. A number of researchers in this country are working on the problem, but in other countries the studies are restricted to the isotopic analysis of, bioorganic structures of the Past, food, relicts and oil, but the phenomenon itself is almost abandoned.

We have proposed that studies of the isotopic spectra of different parts of the Biosphere, namely at the Polar regions and the Equator, could reveal some unknown process of aging of biological systems, analogues to the process we have observed in the blood vessels of Man. In these regions of the Earth where there is a massive disappearance of heavy fractions of isotopes of various elements, we could use the method of ecological prognostication to evaluate the degree of the Biosphere's weariness, as well as for the more thorough analysis of the degree of organization of the Biosphere as a protein-nucleic "Cover" of our Globe. V.I. Verndsky wrote that a living Film, the pressure of Life, spreads from the Middle Equatorial latitudes to the Poles. Under the Polar conditions these films of Life die, and the metabolic products are returned back to the equatorial regions and may serve as "hormones" which support the integrity of the whole biospheric "Cover" in the mainlands and the oceans of the planet.

These methods could also be used for studies of the isotopic structures of the Brain, of the Brain's major structures, and other tissues of Man. It is conceivable that between these spectra and the field forms of living systems in the

hypomagnetic chambers and within Kozyrev's Mirrors there is some parallelism, something in common. This is a real physical process, and studies of this kind at various parts of the planet, in different medical, biological and ecological laboratories could be easily organized.

Thus, the problem of energy flows, when biological systems consume information and energy from other Worlds, takes on real traits. The problem is very important for our practical needs, since Medicine, Life, Aging and Intellectual Potentials to a large degree depend on these, cosmoplanetary features of Living Matter, which are not yet fully known to us.

## **HOMO SAPIENCE: THE EMERGENCE OF LIVING INTELLECTUAL MATTER ON THE PLANET; ITS ADAPTATION TO THE EARTH'S CONDITIONS.**

This part of my report is very important. I will give a brief formulation of the idea, which was born in our research team on the basis laid by works in anthropology (Yu.A. Mochanov, 1988; Lalayants, 1990; and others). In the course of their studies of stone tools in the northern districts of the USSR, namely in Yakutia, Soviet anthropologists discovered a stratum which contained stone remnants, artifacts (Choppers). The stone tools were very similar to those which had been found and ascribed to a primitive but reasonable Man. These were the first steps of sapient Man (Lower or Middle Pleistocene), and the finds were dated as 1-1.3 million years old.

The tools found in Yakutia were very similar to those found in the Olduvai Gorge in Central Africa. But although the Yakutian finds were almost identical, to the African tools, they were nevertheless more ancient since they were dated as 1.8 - 2.2 million years old. This means that about 3 million years ago there existed on the Earth's surface several concomitant, parallel hearths of emergence of intellectually organized protohominides. This means that Intellect as a cosmoplanetary event emerged on planet Earth as an explosive process in several areas. These were Central Asia, South Africa and Yakutia. Contemporary archeologists and anthropologists find ancient stone tools just in these areas.

How can we comprehend the fact that in the history of Earth in a fraction of a second in several places on the Globe there suddenly appeared hearths of Living Matter's intellectual forms which we now designate as Man - Homo Sapience? In the brains of the protohominids, which at that time were spreading over the planet, there formed a protein-nucleic and field continuum, which was ready to accept the new form of organization of Living Matter. How did this continuum emerge in the neuronal structures? One can assume that it was formed spontaneously from the preadapted structures of the brain. This remains unclear.

But we presume that 3 millions years ago in different areas of the Earth there was some fluctuation caused by cosmic influences accompanied by alterations in the Earth's magnetic field. Then, within the "computer", that is, within the multi-neuronal organization of the Brain, where all neurons are bound to each other by conducting fibres and every neuron possesses a definite cellular protein-nucleic substance of the field form of organization of Living Matter, there occurred an "explosion". In the course of this event the field continuums and the field local forms of each neuron became integrated into a united Field Computer. Thus, there was a jump from the biological computer of the conducting type to the Field Computer. But the latter computers united many individuals (or groups) of protohominids. Thus, a tribe, or a clan, of these human beings was formed as a united holographic field, which, probably, was the first embryo of Intellect and Sanity. We have grounds for proposing that there were several areas of emergence of these intellectual organizations and fields: in Africa, in the Northern and South Asia, and probably in other parts of the Earth. Thus, there emerged not Man, through natural selection and mutations, as was proposed by C. Darwin, but instead there emerged constructions of the field, united forms of Living Matter, which could interact with the Environment in a such a way that the information and structures of the surrounding world were concentrated as holographic field constructions and organizations. This Intellect was the first one on the surface of the Earth, and it was cosmoplanetary even in its Essence. Of course, these intellects could not survive. This led to a situation in which the organisms were not adapted physically or chemically to the surface properties of the Earth's Environment. These human-animals died. To survive they needed to be adapted to the Earth's real conditions. How could this adaptation occur? We can presume that protohominids, the representatives of the holographic spots on the Earth's surface changed and overcoded their holographic level of Vision to other signal systems. This resembles the situation with the contemporary computers. There are several principles of overcoding, or algols, or languages. Gradually sound (verbal), motor signs and conceptuality appear. Holographic memory is replaced by verbal memory. The verbal, semantic fields become secondary, derivative elements of this evolution, and within the semantic field communities of people adapted to specific environmental conditions formed. It is important that in these communities, in the microethnic groups the field forms of unity

gradually became shielded in the head of every man. The field forms became relicts in the heads of people, in their brain's structures. They became replaced by the protein-nucleic substrate, which is the basis of so-called verbalized visions.

Thus, every ethnic group had its own evolution from the usual protein-nucleic principles of organization of the fields in every neuronal cell, to the explosive emergence of Man, of Intellect, which has united the whole population. Then gradually, ever-increasing verbalization and semantic fields separated these people, and instead of the holographic organization of united Intellect, there appeared socio-cultural structures. These languages can be translated from one another, and thus communication between people on the Earth is realized via the activities of Men and the overcoding of the primary Cosmic Field Intellect. I think that the works by L.V. Gumilev, our present historian and ethnographer, support this idea. He considers the Ethnos as a natural organization, and every ethnic group, or nation, has a transient period of upsurge and advancement, and then gradually comes to periods of stagnation and decay. Such ethnic groups either merge with other ethnic groups or nations, or disappear completely from the historic scene.

Taking into account the hypothesis presented here, we can consider ethnogenesis from this new position. A community of people which are open in their field interactions with each other can be united. We cannot explain these unions from the point of view of their field features, because we simply know too little about these features, but we know well what such unions as nationality, national spirit, clan, family and some qualities of relations such as sympathy, empathy, love, etc. are and we can presume that these notions are bound with these poorly known spaces. Presently, when the social-demographic synthesis, supernational consolidations and conflicts on religious or economic grounds are common (and there may appear new disasterous processes), a study of Gumilev's ideas from the point of view of field intellectual organizations may be of greater importance for Humankind. We cannot exclude that some ethnic groups or nations may have lower field immunity, and therefore their field relations and interactions become stronger. In these communities, more people with extrasensory properties appear. This happens not because there were no such people earlier, but due to a decreased field immunity, and thus the extrasenses become more "open" to other people.

Increases or decreases of this type of field interactions at the level of all Humankind, national or ethnic levels are of greater importance for the history of these groups and nations, and the social history of the planet. If we recall the works of L.S. Vygotsky (1965); M.M. Bakhtin (1990); F.I. Shcherbatsky (1988); Ya.E. Golosovker (1987), and others, then we can see that these researchers have already proposed the existence of some unknown interactions which manifest themselves in mysteries and festivities. M. Eliade wrote that myths, the creation of myths and human behaviour all disappear in words, and, probably, he was right. Here we encounter another feature of our idea which could also serve as another "bridge" (or "tunnel") between the Space of our ordinary cultural life, social relations and verbal fields and the field interactions of our intellectual Past and the Future. The problem of the survival and integration of people, their groups and nations becomes vitally important due to panmixia. Therefore, this poorly known feature of the reconstruction and organization of evolution of Humankind becomes responsible for many technocratic, cultural activities on the scale of the planet, which we observe in our present world.

Thus, I would like to emphasize the close connectedness of the human's Intellect and the human's Essence. I think that every human's foetus, in the womb after fertilization of the ovum, has a second birth, in which he starts from the protein- nucleic local fields, and then joins this Intellectual Space. These are the new problems and questions we have to answer:

When does the second intellectual birth occur?

Does it occur in the womb during pregnancy, or after delivery during the first years of the child's development?

How does our Intellect develop during our life-span? How is the field immunity formed not only at the cellular level, but also at the intellectual level?

To what extent is Man open to the nonliving and living environments, intellectual and biological interactions?

How are these interactions changed during one life-span, during aging?

What happens after death to the human's intellectual and field continuums?

These problems are closely related to the problems of transpersonal psychology. Many contemporary transpersonal psychological phenomena could be explained by the above hypothesis more reliably than they are now, and new approaches to their experimental elucidation could also be elaborated. The works

by C. Graf, Graf (1990); Jan (1976); I. Prigogine ( ); Targ, Harary (1984), and others could serve as a theoretical basis for the answers.

Thus, here we encounter a new trend in the studies ranging from populational psychology to social and national psychologies, in the studies of interactions between individuals and large groups of people. This is a new approach to the problems of individual, private life and human ontogenesis and the complex problems of tenatology, Birth and Death. We hope that at this level in the nearest future we will find new phenomenon, which could open a new, deep comprehension of myths, Yoga, esoteric notions, and eastern philosophical concepts. N.K. Rerikh and his followers were moving in this direction. However, we should not be too excited and underestimate the dangers of premature attempts to suppress the field immunity, or to propagate extrasenses. Such attempts could, like the black death during a festival, influence not only the human's psychology, but produce new disasters similar to AIDS, ecological degradations, and other hazardous consequences, if our Science does not timely open this cosmoplanetary Essence of our Life.

## EVOLUTION OF HUMANKIND: SURVIVAL OR DESTRUCTION.

After a thorough analysis of the notions I have reported earlier to the High Audience, it becomes evident that Humankind on the planet Earth has, probably, to be considered as an element of cosmoplanetary Living Matter. The latter, being global in its Essence, cannot be restricted to interactions only within a thin layer of the planet's surface or interactions with the Near Cosmos. Probably, the evolution of Humankind is only a particular case of more general laws and tendencies in the evolution of Cosmic Living Matter. What prospects does the evolution of Humankind have? We can assume that evolution of Humanity within its tribal and national forms caused a new overcoding in the form of semantic fields. These fields are under study in many research groups. It is necessary to mention the studies by V.V. Nalimov (1990). He gave a deep understanding of the conception of the meanings of words. However, how does further evolution of the planetary continuum occur? At the present time, the overcoding of the Intellect into semantic fields has allowed people to unite by recording their knowledge in words, in books. The books became the binding compound for our memory, and the basis of our further spiritual, religious, philosophical, and scientific-intellectual advancement. P. Florensky wrote that all tools are materialized words, materialized notions. Therefore, there is a strict connection between our material activities and the verbal-conceptual Intellect which unites us in the world-wide community (Florensky, 1990).

However, materialization of our verbal-intellectual and social world can lag behind, and when we use the cartesian's logic, which reflects also our scientific and ethic norms (Kapri, 1983; Dossey, 1982) as a base for our activities, for example, when we construct an electric power station, nuclear devices, dams or space ships, we can more and more be kept further from our forestalling, prognostic thought in our real time. When a patient dies, and a doctor missed the moment when he could intervene, there is no more time; this is a model of destruction of Humankind.

Intellect has to comprehend the possible sources of the danger before the destruction of Humankind occurs. But we have to admit that our knowledge about the Nonliving World, the Cosmos, the Earth, geological, physical and chemical processes in Nature much exceeds what we know about Living Matter. In our attempts to save Life, to provide ourselves with energy and food, we are seeking the sources of our prosperity in the Nonliving World. We construct mechanisms, burn the Biosphere's stores, extract energy from atoms and other sources. Is this the right way for Humankind to develop? By extracting more and more materials from the Nonliving World, we will run out of the Earth's resources with astonishing rapidity. We exhaust, contaminate and mutilate the Near Cosmos, and not only with the Ozone Holes. Of most importance is the fact that the field construction that I was talking about earlier is also injured. V.I. Vernadsky warned Humankind about the danger of disturbing the organization of the Biosphere. He has also warned about the danger of synthetic food without consideration of its isotopic spectra. His foresight was very deep. In many theosophical and theological teachings, we encounter warnings of the coming apocalypse. Thus, it is as though Humanity is on the running-track with our diseases and degradation of the Intellect far ahead. Our Intellect has become retarded in its development to such a degree that we cannot even appreciate it without even speaking about the forthcoming changes. It is necessary to unite Science with Theosophy and Philosophy for the sake of understanding of our own planetary Essence. Thus, the problems of Cosmogony become the problems of the Essence of the evolution of Man and his survival. If Man further substitutes computers for his own verbal world and creates computers of the 5 th and 6th generations, then we will have an even further increase in the distance between our own intellectual understanding of the World and our own Intellectual Essence. Computerized machines and computerized memory represent a strongly overcoded primary intellectual Continuum of Life in the Cosmos and on the planet Earth.

Thus, it is necessary that the current evolution of Man, the interactions between ethnic groups and nations, the global processes of migration and panmixia, and the concentration of people in large cities were at least contemplated by contemporary Science, and the field nature of the Earth-Orbital Environment, which deeply influences Living Matter on the Earth, would be understood. Then

we could advance from understanding of the General Essence of Humankind as a cosmoplanetary Space, where Einstein's and Kozyrev's Spaces interact, to an understanding of the Essence of the evolution of Man. It is necessary to form a program for a synthetic approach to studies on the natural-social history of Man, for the collection and study of our Past, from new point of view (the Field Vision) which is verbally preserved in the memories of people, in documents, in archeological finds, etc. I believe that there is a coming discovery of our own history of the Past and the Present in the light of New Cosmogony and new notions of the Human's Intellect about himself.

## SCIENTIFIC AND PRACTICAL SIGNIFICANCE OF STUDIES ON COSMOGONY OF LIVING MATTER

Undoubtedly, there is much that is disputable in the problems stated above. Nevertheless, even in this case our position contains much of "Adventures of Cognition" (A. Einstein) which agitate scientific thought and impel it to new discoveries. When discussing the scientific and practical aspects of our further progress in the studies of the stated problems, I have emphasized the studies of our present history and culture and those important principles of social psychology (first highlighted by V.M. Bekhterev) which are interwoven with transpersonal psychology and contain deep generalizations.

We also have to keep in mind that when a totalitarian regime which concentrates all the power, arises in some country, then these regimes are products not only of our social or social-economic history. They are also a result of some field-psychological interactions among people, when a Faith, a Certitude, or the influence of one group on another encompasses one, usually ruinous, idea and the people involved become impetuously active and enthusiastic about this idea. This Faith is above the social and natural Worlds. This is a total paranoia. V.M. Bekhterev died since he wrote about this social phenomenon. A. Hitler felt and fought this paranoia. He gathered around himself a whole horde of astrologists, shamans and extrasenses in an attempt to avert his own destruction. Probably he had a presentiment about his fate.

Thus, we cannot yet appreciate the deep mechanisms underlying economical, social and political reconstructions, but their practical significance is out of the question. Television, radio and mass media in general may become of more significance in uniting than before. Those notions which we designate as an "Information Channel" and "Information Isolation" are of direct practical significance. We have to recall N.A. Bakhtin's works. He studied the behaviour of people from the point of view of cultural amalgamation in different kinds of folk ceremonies and festivities. We have to restore our way of life by returning to all the tendencies which have been empirically accumulated, and which comprised

all of man's activities and habits: professional, religious, domestic, etc. The contemporary culture which we are trying to restore, the Orthodox Church and Religions with their tendency towards unification, all represent an example of the global national psychology from the point of view of the notion stated above. The same is true when we consider Art, Music, Architecture, Life Styles in the cities, suburbs and country-side and tourism. The same is also true for the upbringing of children in whom the field forms are reconstructed into verbal forms. This is a problem of language and education. In contemporary schools and families, children are more advanced in their field-intellectual perception of the field and nonliving aspects of the cosmoplanetary World. Probably we are compelled to install this unique cosmic apparatus of the Brain into minimal verbality, and only multilingual verbality, when a child studies concomitantly several languages, represents the evolution of pedagogics. A multilingual Man preserves, probably, more field-intellectual constructions for communication with the surrounding World in the realms which are not yet known to us. This is the first important practical aspect of the knowledge of our own culture. If we are attentive to the historians and sociologists which criticise or, on the contrary, promote positivism, if we try to grasp the ideas of the contemporary hermeneutics, and a number of other notions in philosophy, then we shall accept the idea that only the materiality of the Ideal becomes the nucleus of cristallization for the contemporary tendencies of prior philosophical thought. Applied pedagogics can much benefit from the hypothesis stated above. Finally, the very evolution of Man, is in progress and ever facilitates more and more. Where is it directed to? We have to admit that the idea concerning the Noosphere is rather utopic since to guide our own evolution on the basis of our present day's knowledge is the sure way to destruction of Humankind. Humans have to have more freedom for choice, there have to be more prior features in their behaviour, family lives have to be less restrained, and purely ethnic norms should not be strict laws. Here we come to the Human's Rights, to personal freedom, to the notion of individuality. Here we have to break through the barriers of our contemporary attitudes to the technocratic development of Humankind, when people seek their salvation in the nuclear sources of energy, in new means of transportation, or in the biosynthesis of foodstuffs.

New Issues are bound with the evolution of Man himself, such as Medicine and Psychic Health. The practical significance of these issues is quite evident.

Medical treatments, aging, cancer, sclerosis, virus pandemics, ecological "traumas" with deterioration of the protein-nucleic protective barriers and unpredicted deteriorations of psychic and psychological field barriers. The teaching on immunity is the future of medicine, since contemporary medicine is both a good and a tragic event in the history of the evolution of Man. By consuming many thousands of tons of chemicals Humankind gains more damage than profit. To change the medical paradigms in the diagnostics and treatment from the chemical Past to the new principles of field regulations, to Field Medicine, which is contained in many ancient theological traditions, requires a revival and deepening of these ancient knowledges. There is a lot of to do in Agronomy, Live-stock Farming, Ecology and Geography. Because of the organization of the landscapes and people's migrations from the southern to the northern areas, studies of the Living Film on the Earth's surface from the point of view of specific environmental conditions and further development of life's computerization may appear to be a dead end, which would be disastrous for the Humankind.

Using computers, Humanity may become adapted to different environments on the Earth like a fish becomes adapted to the black environment of a cave by acquiring new specific features, such as a radar-sensing organ, but there is no more place for such a fish in the warm, sunny world. Humanity cannot find itself in a position of superadaptation, in a technocratic protective shell, or "Cave", from which there will be no way back. In trivial life, in the family's habits, in relations between people, in their behaviour, in longevity of life and in people's sympathies and loves, Man's basic cosmic field features manifest themselves. Humankind cannot substitute these properties for technocratic computers, by trying for example to arrange marriages with the help of a computer and other nonsense. Association of generations, the roles of the elderly people in the existing potent generation, interactions and communications between people of different social statuses, all represent the global social demographic synthesis of Culture, Philosophy, Science and the reorganization of the Earth. This is the ground for our future, for real practice.

## THE PROSPECTS: ORGANIZATION OF AN INTERNATIONAL PROGRAM.

What will happen to us? The whole World is striving for integration, the European Community has already formed. Global international integration is in progress. But the possible destruction of Humankind is concealed in the field constructions which reflect the immense asymmetry in our knowledge.

The confinement of Humankind in its "technocratic caves" I was talking about earlier, the development of various sophisticated devices, chambers and generators provides people, by means of instruments, with supersensory properties. But this development can be not only advantageous; it can also provide possibilities for the creation of new kinds of weapons, new means of slaughter.

The present day's experience shows that activities of this kind can be initiated not only by constitutional governmental structures such as military-industrial complexes. "Hidden empires" such as those which are involved in the production and distribution of narcotics, weapon merchants, those who control some kinds of transportation, communication, etc., are also dangerous for Humankind's future. These "hidden empires" can corrupt science as well as quasiscientific knowledge, psychotronic for example, and turn them against Humanity. Thus the idea about a Devil, a Demon fighting against White Forces, symbolizing the good principles of the Humanity, becomes a reality on this planet.

We have signed an Appeal with scientists from 20 countries about the necessity to study the field phenomena openly without any secrets. Of course, the firms involved in the research will have their "know how" protected, but the studies themselves have to be fulfilled on open grounds and be freely controllable. This is the first important clause. Then it is necessary to emphasize that a scientific understanding of these problems is bound with ethical problems. The achievements in science are not to be used for military or selfish purposes. What are we to do? It is necessary to organize in Europe, Russia, the USA and Australia several specific programs which would use compatible methods of research. We are ready to organize a model of such a centre in Siberia. I think that those

research groups which now work in the USA ("Horizons of Man"), in Japan ("Horizons of Humankind"), at the J. Fitzer centre and at the Centre of Advanced Sciences at Temple University are the beginnings of these centres. There are many tasks and approaches for the researchers in these centres: the bioindication methods could allow them to study the field features of Man and the method of Distant Communication could be used for studies on the psychological principles of interpersonal relations. There is a need to study the influences upon the field processes of solar and other cosmic rhythms, the degree of "transparence" of the surroundings where the holographic interacting system forms this field. It is necessary to study the biological quarks of the isotopic elements in the organisms of plants, animals and Man. These centres could interact distantly with each other through Kozyrev's Mirrors, through hypomagnetic spaces and chambers, and accomplish Distant Communications not only for the purpose of research but also to predict the physical and intellectual weariness of a man. The Means for Distant Communication and Interaction with Space ships and unidentified cosmic phenomena could be developed.

These centres could also organize a systemic search for Living matter not of the protein-nucleic origin in the Cosmos. The programs, similar to the "SETI" program, which was aimed at the search for humanoids, that is, protein-nucleic organizations, represent only a particular goal. This is not a delusion, this is simply a stake on a singular case, on the Earth's version of intellectual life. In the Cosmos we have to search for intellectual fields with the use of Kozyrev's Space and other field effects. The centres under discussion could perform such an international program of seeking for Intellectual Living Matter in our Universe.

Another important program is a study of the field immune mechanisms, which could be of greater significance for the advancement of Man's psychics and for regulation of Man's psychic processes. It is possible that some psychic diseases are related to deterioration of the protective function of the immunity of holographic interactions. Man's problems of tanatology, his Life and Death, Immortality and, probably, Moudy's channels, can also be included in the list of tasks of this Branch of Science. If we organize at the UN a centre which could supervise the international programs from the points of view of Ethics, Man's collective and individual securities, then the program entitled "Living Matter and Cosmogony" will become a basis for this rapidly growing trend of Science. It is

important to take into account that new scientific aspects, our deep knowledge of astrophysics and physics being applied to the elucidation of Man's Intellectual Essence, could also promote assimilation of the latest philosophical, sophiological and theological aspects, as well as the whole of Mankind's history, and finally transform these separate branches of knowledge into a World of New Vision and Farsighted Prognostication.

Concluding my report I can say that Humanity has accumulated a sufficient amount of knowledge to comprehend the dangers of this part of knowledge. Strange as it may seem, Culture, Evolution and History turned from cosmogonical generalizations to the narrow path of the Earth's adaptation. Erroneously we deem it a way to our happiness, prosperity and a guarantee of our survival. Humankind is to come out of its cradle (K. Tsyolkovsky) not by physical penetration into the Cosmos, but through understanding the Essence of planetary Life as a cosmoplanetary phenomenon. The mysteries of Life are on the Earth, within us and we are a conjunction of the greatest cosmological processes and evolutionary encounters in our Universe. This is my appeal, these are my calls for unification for the sake of our Supreme Predestination. The greatest minds, the best representatives of Humankind were appealing to strive for this Goal. One of the most distinguished representatives of the French thinkers and of the Latin-Roman Catholic culture, P. Teilhard de Chardin designated this effort as the Ascent to the Omega Point.

## PALEOPSYCHOLOGY AS A WAY TO UNDERSTANDING OF THE COSMOPLANETARY ESSENCE OF MAN.

People learn natural phenomena by means of different methods: empiric and prior analysis and synthesis, dialectical comparison, and finding the subject's properties in the general picture of the world. Among modern principles of penetrating into the Essence of natural phenomena, the historical (or evolutionary) aspect obtains peculiar meaning since the time dynamics concept itself as a natural phenomenon (or temporal and spacial Continuums) becomes the most suitable instrument with which one can penetrate into the Essence of phenomena. In this respect, the problem of paleopsychology is not a merely comparable and evolutionary comparison of psychic manifestations. Evidently, a more complex instrument is needed to penetrate into the Essence of man's psychic phenomenon itself. In modern literature there's a great number of works in which the psych and psychic properties are accepted in those descriptions that modern psychology possesses i.e. from social and psychological up to individual phenomena. All that is used for better understanding the Essence of myths, religious tendencies, linguistic problems and the origin and properties of different languages, and in anthropological researches to determine psychic, intellectual and emotional qualities of ancient man.

Cultures and psychic properties as well as the intellectual level of those tribes that modern science has discovered (such as island tribes, South-American tribes, the tribes of Northern regions and others) may be studied on that very basis.

All the spectrum of the contemporary paleohistorical (or paleopsychological) approach is based on the established existing psychic properties which have been already proved. The necessity of this method cannot be denied. But we ought to agree that there may exist some other principles and approaches. When another paradigm and another scientific statement about nature and the psych itself are available, the historical search as well as the historical comparison of

phenomena can find some new qualities of that phenomenon. Thus, paleopsychology is first of all the studying of already known psychic properties. At the same time, this is the problem which allows us to penetrate into the Essence of this subject as well as into the Essence of Living Matter on the planet Earth and, consequently, into the Essence of Man. In this respect paleopsychology can be regarded as a big branch in studying man's phenomenon. Man's intellectual properties are treated nowadays as a result of a gradual evolutionary accumulation of the qualities called animal-instinctive activity i.e. inborn emotions or mechanisms of obtained behaviour. Homo Sapiens is considered a product of history with its characteristic kinetics, complex genetic accumulations and epigenetic additions. It may be traced to the hypothesis according to which the intellectual Essence of Man appears as the result of social behaviour (labour). The first one who designated it in the thermodynamic project was Russian philosopher and socio-historian Podolinsky. Logically, labour leads to a new negentropic property, the accumulation of information and survival efficiency increasing at the expense of the complex intellectual and associative organization of primary ancient human associations.

What material is used by many authors who study paleosociological problems? First of all, these are the documents about stone implements and their perfection: "bone-bronze-metal-iron". The authors come to definite conclusions. Paleoanthropological data are used when estimating dwelling, climate, bone remains and various constructions.

Both folk and linguistic finds also make up the documentation of some important chapters of paleopsychology since ancient markers of the most primitive forms, which are discovered by computer, remain in words and languages.

Studying ancient writings such as "Vedi", "Tale about Igor's Regiment", Egyptian papyrus, Babylonian tables and the inscriptions on stones, we try to enrich our knowledge about the epochs of the modern concept of psychics. That's the range of modern understanding. Paleopsychology is an important subject for defining man's qualities as well as his social Essence. Being based on a dogmatic idea about man's psychics this method only makes some particular details more exact. But it does not add any fundamental changes to the understanding of either Living Matter or man's psychics. The attempts to find an intellectual substratum (i.e. electropsychological structure), which reflects the ideal image and in which

an intellectual holographic component is hidden, are still being made. Nevertheless, there are some researches which state that in some cases, the electrophysiological indices are equal to zero or there is only one theta-rhythm while a man is carrying out his intellectual activity. Moreover, he is making his prognosis for the future. His thoughts are moving forward to the space of the future. This fact in modern science is considered to be a paradox. It is important to clear up the measure of correspondence of energy processes to intellectual activity. In certain cases the sources of energetic feeding and supporting intellectual organization currents (field and geographic constructions) may be non-oxidizing. It is quite possible that the cerebrum, after losing its oxidizing component (its encephalographic energetics is zero), continues to function at the expense of the other field energy sources. A new approach to the problem of paleopsychology requires a new hypothesis; extrapolating data to cellular crops, studying literature and understanding that each neuron has its own fields, we assume that they may be united. We also suppose that Living Matter on the Earth's surface is nonhomogeneous. Albumino-nucleic forms determined by evolution interact with the field forms of Living Matter. Up to the protohomonid level, this interaction was characterized by a simple relation when intercellular fields of each cell were joined in microareas and microstructures. But still no way was paved for the leap by which the field structures might be negentropically directed to fit the near-earth holographic structure. Then came the next stage of evolution when this leap took place and holographic neuron associations (about 15-20 billion neurons) in some areas became common cerebral organizations and when a genus became an intellectual "spot". There are no individuals; this holographic spot reflects both cosmos' and earth nature's capability to process and accumulate sensory information. There appeared a complex composition of specialized participants. This is a populational and genus family intellectual organism in a "spot" shape. The emergence of such a spot is a new step of cosmoplanetary evolution on the Earth in which a combination of albumino-nucleic bearers and field forms obtains a new kind of organization. In this respect P. Florensky's works are very important. He saw through words and "logos" more fundamental peculiarities of Man and could not but acknowledge theosophy as a science. He connected the emergence of Man's consciousness with some cosmic step. Since there was no appropriate term at that time he had to choose the variant

“divine” but not in the primitive sense. Gradually a new holographic structure, made up of instinctive survival mechanisms of which protohomonids were inheriting in the course of the evolution, was filled up. There appeared words, mechanical acoustics, as well as visual signs, and adaptation to the Earth conditions took place as some recording of cosmic forms. There also appeared a new vision of spatial and temporal organization of this structure and its environment.

We may find the estimation of verbal evolutionary mechanisms in S. Freud's and K. Juhg's researches. Instinctive behaviour which limits a Man from the point of view of ethics and the present life turns out to be verbalized and is found in the subconsciousness in the form of intuitive mechanisms. These mechanisms represent the primary cosmoplanetary substratum; i.e., the qualities of intellectual movement and Man's organization. If we try to see the original cosmoplanetary basis we have better look into myths, religious, political and monotheistic assemblies. Evidently one should look for new roots in linguistics where language is considered as a secondary adaptive process which gives an opportunity to penetrate into some primary basis. Mathematics presenting ancient concepts of orpheism somehow reflects the deepest primary non-verbal holographic basis in a language at the same time. D.S. Lihachev wrote that history as cultural ecology contains the reflection of the deepest verbalized cosmoplanetary basis. V. Solovyov's attempts in the philosophy of unities to put empiric and scientific knowledge together with philosophy and theology are objective. They reveal the Russian Renaissance of generalizing intellectual and cultural, scientific and social (acc to Bogdanov's works) movements. They contain the far-reaching ideas of paleopsychological construction in the fundamental cosmoplanetary individual approach.

Thus personality is secondary. First of all there exist a generalized intellectual “spot” in which with the growth of verbalization processes and social and personal relations begin. A personality starts developing. The conditions of its forming are: the stopping of telepathic space distant connections and gradual estrangement of people from each other. Only material the verbal social channel remains. L. Gumilev proved that ethnogenesis on Earth is characterized by a peculiar cosmoplanetary phenomenon. During the first 200-300 years of ethnic formation, new qualities of powerful passionate collegiate energetics were accumulated. People presented their ethnic community in language and passion.

But in 1200-1500 years, the ethnos withered. So ethnic development is like primary anthropogenetic reproduction when mingling together and the emergence of some small social people organizations become an intellectual "spot" where, having been united, they join the geographic cosmoplanetary intellect organization near Earth and receive a new stock of passionate intellectual energetics. Taking into consideration all the concepts, we had to compare some things connected with different periods of the development of existing holographic and telepathic forces. We also tried to find the answers to the following questions:

- What kind of persons manifest themselves and in what spheres?
- What is the hidden intellectual basis of ethnos like?
- What are its reserves?

According to the results of our researches in Bulgaria there are certain clusterings of extrasensory qualities in the spots connected with the Thracian culture. This fact speaks either of the passion leap or the last rise before the disappearance of the ethnos. Therefore ethnoses, like star explosions, can have passionate waves as well. These waves characterize the phases of their emergence and disappearance and are transmitted to other ethnoses so that they might be preserved. Perhaps, present international relations have in their origin the deepest cosmoplanetary natural qualities. Last, let's consider Man's ontogenesis. Until he is 3 years old every child is a prototype of an ancient intellectual structure as he uses non-verbal communication means. He is like a part of a "spot" which is connected with the holographic bases. That is why duality, bivalency and holographic and verbal intellect remain in him up to the age of 5-7. Old people can also have the "ups" which reflect the "white dwarfs" star allegory (this is the last flash before Man's leaving for immortality, the soul's transition to the holographic world and the physical disappearance of albumino-nucleic substance bearer).

Thus anthropogenesis, ethnogenesis, ontogenesis, mankind and Living Matter evolution are characterized by a composition little known to us, i.e. the organization of albumino-nuclein and field correlations. Studying the existing peoples and tribes or through historical documents, where linguistic, folklore, mythological and ethnographic aspects are reflected, those which no longer exist, one can trace a new synthetic movement of human intellect speeding to its self-realization in the frames of its cosmic mission.

## **PART TWO**

### **The “New Cosmogony” Program Experiments.**

**I. EXPERIMENTAL STUDY OF THE  
DISTANT-INFORMATIVE INTERAC-  
TION IN THE BIOSPHERE WITH  
MAN'S PARTICIPATION.**

## **MAN'S ENERGY-INFORMATIVE INTERACTION WITH PHYSICAL SYSTEMS.**

To study the energy-information exchange in the "human being-device" system, a number of original methods were used by the researchers. Different types of magnetometers (Puthoff H., Targ R., 1977), torsion pendulms, lasers (Edison W., Faust D., Getsla K., Mc'Clay J., Conoway B., 1977) ,electronic generators of random events (Honorton C., 1976, Musicante B., 1979, Schmidt H., 1970) were used.

Some techniques and devices for the registration of a distant, human being-technical system interaction are already known. The equipment which was used for this purpose is extremely sensitive to perturbations of mechanical, electrical, optical and thermal natures. Another approach is to reveal the distortions of the normal statistical characteristics of the random physical processes at micro- and macro- levels. In the experiments on human psychophysical influence detection, among the objects used as sensors were the optical Fabry-Perot interferometer, the Thompson thermistor bridge, and the Photoelastic strain gauge. In the experiments involving the interferometer, the Coherent Optics 360-370 was employed to obtain interference rings on the screen. An insignificant change in the distance between the interferometric pictures results in a radial shift of the interference ring. A very insignificant displacement of the ring is detectable. The brightness of the central interference ring is registered by a Photo multiplier. The aim of an operator is to initiate a considerable (as compared with the test drift) shift of the interference ring in the given direction. Computer processing of the curves obtained via graphic regression and spectral analyses has made it possible to reveal some repeating characteristics. Another modification of the device is based on the double thermistor bridge (Omega Engineering, UVA 3254 model). Each thermistor has an individual electrical bridge and a separate source of voltage. The difference between thermistor signals reaches the input amplifier of the oscilloscope and is seen on its screen. The sensitivity of the earthed and

screened device is 0.001 . No influence of temperature variation takes place owing to the fact that two identical flasks with thermistors inside are immersed into a large reservoir of liquid.

Also, the devices designed on the basis of random physical processes are used. The largest device is an 1.8 \* 3 m apparatus which contains 10 000 balls of 19 mm diam. The balls are thrown off 336 staggered nylon pins. There are 19 receiving cells, and it turned out to be very close to a Gaussian distribution. The operator should seek a noticeable deviation of this distribution in the given direction as compared with the results of the tests.(Jahn R., 1988)

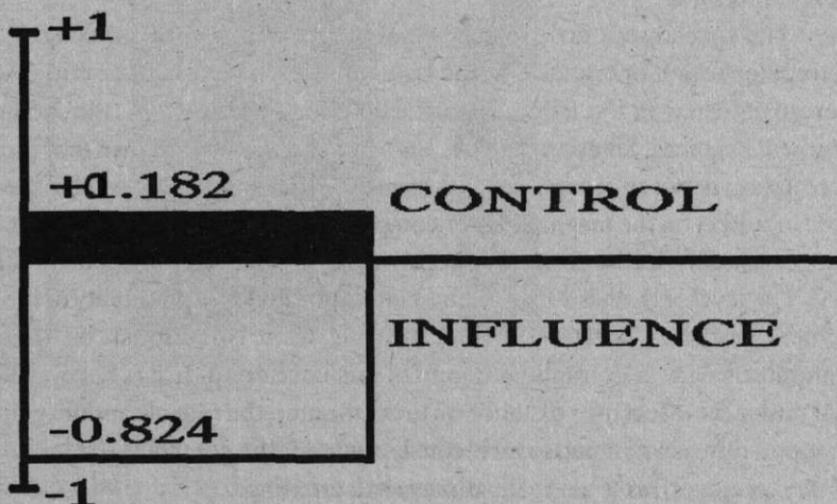


Fig.5 The pirson correlation between assimmety and excess during the distant influence of operator to the magnitometer.

A large-scale device has been constructed. In it, a glow discharge occurs. The resulting glow reflects the free path of electrons and their subsequent collision with the residual gas. The device is a cylinder 51 mm in diam and 91 mm in length. The sequence of light and dark zones appears in the cylinder, which is typical for the positive column of discharges in the ranges in question of gas pressure and electrode voltage. The number and arrangement of the zones are

influenced by the length of the free path of electrons. The latter is in turn determined by the kind of the gas and its density, the electron temperature and the electrical field strength. The location of the zones is controlled by a Photoelectronic indicator.

In the biophysics laboratory in the ICEM of the Academy of Medical Sciences, Siberian Branch Novosibirsk, L.P. Mikhailova used thermistors in 1989 and a distant influence on the operators situated in Moscow was registered, and thus for rather long distances the experiments associated with the thermitory bridge and the multi-thermistor's facility (Schmeidler G., 1973; Jahn R., 1981) were confirmed.

The special series of experiments (Fig.5) with a quantum-mechanical magnetometer which operates on the basis of electronic paramagnetic resonance were conducted in the laboratory of helio-climatic pathology (the Academy of Medical Sciences, Siberian Branch, Vatolin G. Yu.). It was shown that the Pearson correlation between asymmetry and excess coefficients changes under the distant (100 m) effect on the magnetometer compared with the control. (Under the effect the correlation becomes strongly negative  $-0.824$  while in the control it is close to 0. The level of truth is 99 %). In the same laboratory the possibility of the distant influence of the operator situated 3000 km from Novosibirsk on the rate of computer to generate random numbers was confirmed. It has been established that under the effect over distance on the computer, the rate of random generation dropped down in comparison with the level under the control (Fig.6), i.e. the rate of the computer program realization was decreasing.

In papers of D.Radin,1988; M.Sh. Zil'berman, 1990; the possibility of the operator to predict numbers obtained with the help of the computer was demonstrated.

We have performed the cycle of experiments to investigate the reserves of humans' psychs. (Vatolin G.Ju.,1989). Man is a non-opened up medium. Evolutionarily, this medium was created in the hypomagnetic chamber (HMC). The intensity of the geomagnetic field in the HMC was diminished 600 times. Under these conditions, directed activation of the psychoemotional properties of the operator results in change in the character of the fluctuations in the measuring instrument, which was constructed on the basis of a millivoltmeter and an oscil-

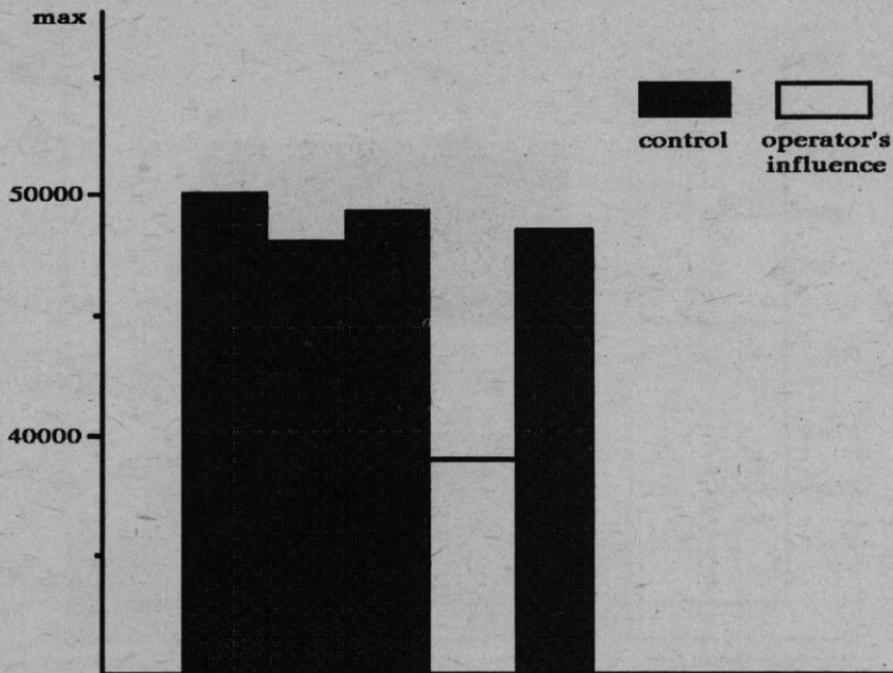


Fig.6 Velocity of generation of occasional numbers in computers during distant (3500 km) operator's influence. Staritsyn A.G.

lator of the electromagnetic field. A biological object at the distance of 1-2 m from the measuring instrument deforms volume structure of the electromagnetic field generated by the oscillator. This caused a change in the initial value of potential in each point of space related to the potential of the Earth.

The most prospective field for the usage of this method is the remote detection of the physical field of biological objects which are 10 m or more from the transducer. In this case the fluctuations of the recording instrument were estimated. In the experiments without direct activation of the operator's psychoemotional properties, the dispersion of the fluctuation was 1.822 (the number of measurements  $n = 338$ ). At the stage of the operator's psychoemotional activity in the HMC, the dispersion of the fluctuation was 2.457 ( $n = 328$ ). The results are reliable by Fisher's criterion ( $p$ ).

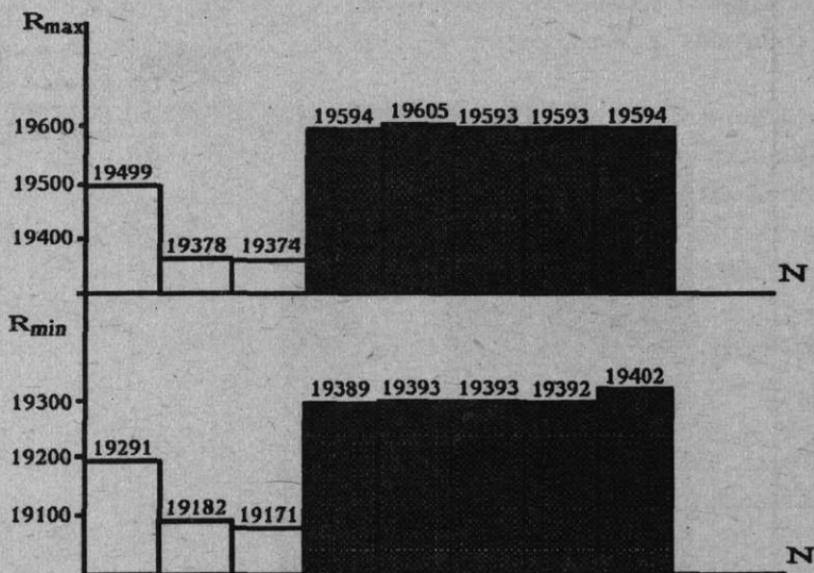


Fig.7 The dependence of generation rate of random numbers on psychoemotional tension of operator in HMC (  $\square$  - operator is in HMC,  $\blacksquare$  - operator isn't in HMC, R- generation rate of random numbers).

Thus, psychoemotional tension of the operator in the HMC results in an increase of the fluctuational processes in the measuring instrument as compared to the level of fluctuation in the control. Our data do not contradict the data of the American authors, who registered a change of the stochastic variable of the occasional processes during psychoemotional tension of the operator. (R.Jahn, 1982)

We have used a personal computer, working on a program for generating random numbers, as another type of the transducer for the remote registration of the operator's psychoemotional tension. The total number of figures generated for every 5 min interval is shown on the display (Fig.7). The gradual elevation of the generation rate in control experiments was observed up to the maximal level.

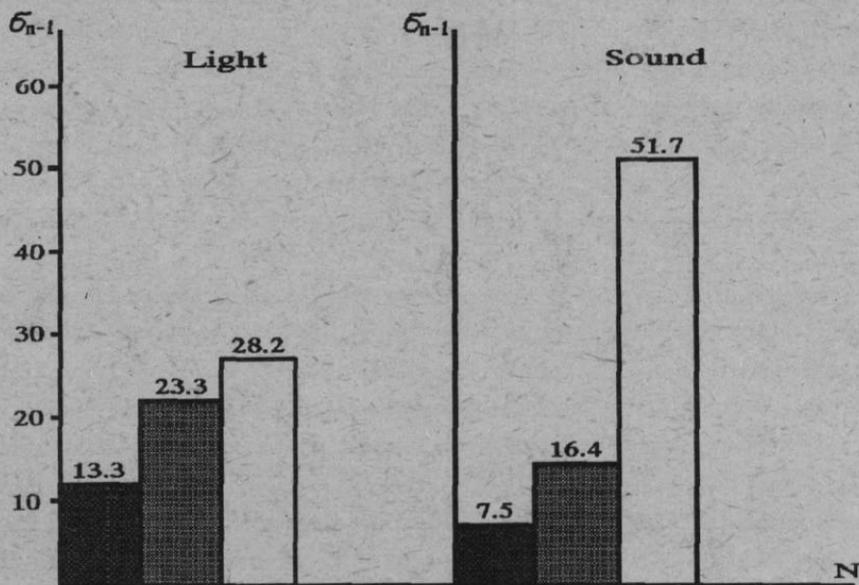


Fig.8 The dependence of dispersion of reaction time ( $\sigma_{n-1}$ ) of tested people on psychoemotional tension of operator in HMC (▨ - befor HMC, □ - in HMC, ▩ - without operator).

After that, a decrease of the generation rate occurred down to the definite minimum. In directed activation of the psychoemotional properties of the operator in the HMC, an increase in the interval between maximum and minimum levels of the generation rates to 10 min and a decrease in the generation rates of numbers were observed.

These results showed that a hypomagnetic medium, reflecting another structure of the spatial field channel of communication, facilitates the opening up of new possibilities of human psychs.

To clarify the sensitivity of human beings to the same weak ecological actions, we performed a series of investigations to estimate the time of reactions of the tested people to light and sound signals with the neurochronometer.

Dispersion of the reaction time was calculated for each series, consisting of 10 measurements. The tested people were in the natural conditions of the laboratory, then in the HMC, then in the conditions of the laboratory in the HMC. The operator and the tested people were separated from each other by the walls of the building and the constructions of the HMC. The tested people were not notified of the effect time. The dispersion of the reaction time of the tested people to light and sound signals increased 2-6 times compared to the control level of the dispersion (Fig.8). The results are reliable by Fisher's criterion ( $p$ ;  $n = 15$ ).

Results that were obtained indirectly confirmed the hypothesis that living matter manifests previously unknown properties in spatial cells in the absence of the geomagnetic field. Changing the correlations of the astrogeophysical factors facilitated the manifestation of the reserved potential of the human being.

The changes in fluctuating processes in physical and biological systems under the influence of an operator in an HMC resulted in the necessity of checking the statistical roles in the considered space. A mechanical model of stochastic processes with twice the number of degrees of freedom was used. The difference between the number of single outcomes for "0" and for "1" was calculated on the basis of 6600 tests (Fig. 9). The testing of the statistical models was carried out by the operator having been sequentially in the natural conditions of the laboratory, in the HMC, and in the conditions of the laboratory after having been in HMC. In the experiment, the degree of the functional asymmetry between the right and the left hands of the operator was taken into account. It was found that values of the differences between the number of single outcomes for "0" and for "1" are 3.53 (dispersion = 2.64) for the left hand and 3.66 ( = 2.13) for the right hand. Under conditions of screening from the geomagnetic field, the indicated differences are 0.86 ( = 0.69) and 2.00 ( = 1.00) respectively. These values become equal and the level of the dispersion is restored after its decrease in the HMC: 2.58 ( = 2.27) and 2.40 ( = 2.59) respectively (Fig. 10).

We want to conclude that, on the one hand, in the HMC the stochastic process is regulated, i. e. the dispersion level is decreased, and on the other hand, asymmetry appeared for the left-right cases.

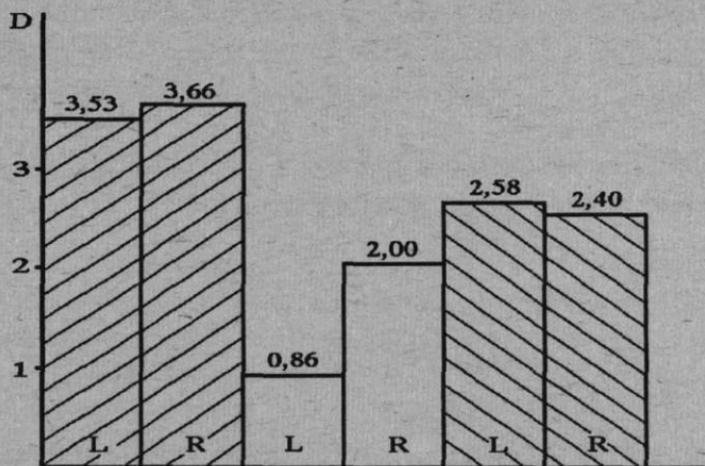


Fig.9 Mean value of difference between the number of single outcomes for "0" and for "1" (D) under the conditions in HMC for right and for left hands. (L) and (R) are left and right hands; ▨ - before HMC; □ - in HMC; ▩ - after HMC.

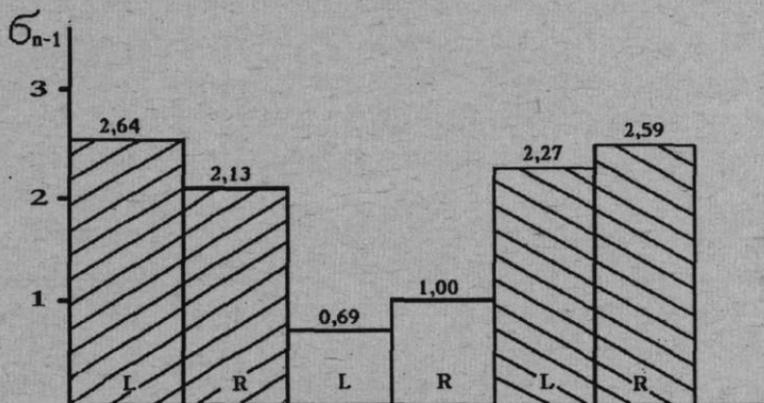


Fig.10 The dispersion of difference between the number of single outcomes for "0" and for "1" ( $\sigma_{n-1}$ ) under the conditions in HMC for left and for right hands. (L) and (R) are left and right hands; ▨ - before HMC; □ - in HMC; ▩ - after HMC.

The results of the investigations make it possible to understand the Essence of the hypomagnetic medium as a special state of Space, where other cause-consequential regularities are working. Some of the equiprobable processes are realized in this spatial state. It seems that in this medium the conditions for the partial ordering of chaos exist.

Future investigations of natural weak ecological bounds can give a new level in understanding the role of living matter in the Cosmos.

## THE ENERGY-INFORMATIVE INTERACTIONS AMONG BIOLOGICAL OBJECTS WITH MAN'S PARTICIPATION.

In the works of V.P. Kaznacheev (with co-authors, 1988) the possibility of using cell structures to indicate the distant energy-information influence of a being was shown.

In the experiment with D.Davitashvili the possibility of a distant influence on the interwine cell structure PH (man kidney) was investigated. This culture was effected with the operator's arms at a distance of 10-20 cm for 7-10 minutes. After 24,48 and 72 hours, hystiological preparations were made. In 7 series of experiments it was reliably established that the relative number of mitoses at the same area of the preparation is higher than in the control by 20-30 % (Mikhailova L.P., Kaznacheev V.P., Vladimirskii I.B., 1990). In other experiments of these investigations the possibility of a protective distant-information influence of the operator (A.A. Deev) who could "protect" chambers containing the interwine cell culture from being affected by dichloride mercury was shown; in 8 chambers out of 20 there were no signs in the cell monolayer of the affects of the mercury-chloride sublimate.

These works continued and confirmed the investigations of W. Braud (1980) who studied the distant-information influence on the level of Man's eritrocites hemolysis when those in the experiment tried to defend test tubes with blood from salt action. It was demonstrated that there is a difference between the "defended" and the "control" test tubes. The experiments in the majority of cases were successful when the subjects influenced their own blood. Probably the influence of the operators on cells is realized through "time-energy" which in turn is connected with Kozyrev's Space. The clinical observations conducted in ICEM at the Russian Academy of Medical Sciences, Siberian Branch, under the supervision of Professor A.M. Shugrai connected with intravenous irradiation of blood

with a laser showed that cells in tissue there changed significantly. The laser may be a source of energy for temporary informational components which are unknown to us. Therefore in our experiments, when the laser was kept dark, i.e. the light part was cut by a cap, and the influence of the time stream density stays, the reaction of the cell is the same. Reliable results were obtained in experiments with white mice whose movable activity and muscles' power changed under the distant energy-information influence of a Man (Speranskii A. M.). The investigations carried out under the supervision of Gurtovoj showed a change in the electrical activity of a fish called the "Nile elephant" at the moment of the distant effect of the operator.

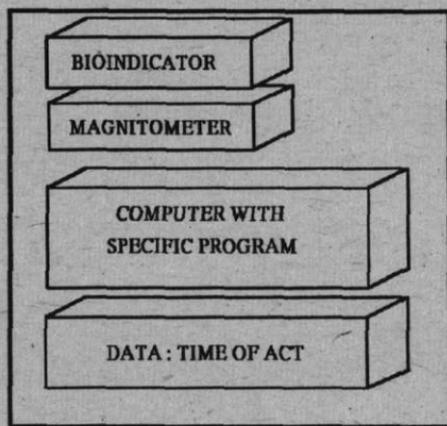
Bioindicators as transducers are highly sensitive to the energy-information influence and that is why they are found in the original application in the combination with technical equipment (magnetometer, computer) in a new cycle of works carried out in the helio-climatic pathology laboratory (ICEM of the Russian Academy of Medical Sciences, Siberian Branch, Vatolin G. Yu., Trofimov A. V., 1990).



Photo.4 The Bioindicator "Chinese Rose".

OPERATOR

SIGNAL

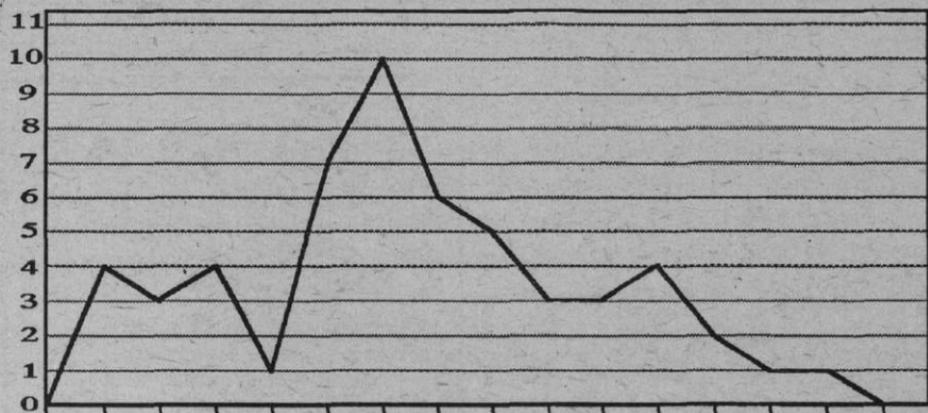


Watolin G.,Belan I.

Fig.11 The scheme of new device with bioindicator "chinese rose".

The bioindicator "chinese rose" was chosen, of which a Photo- or teleimage was situated in front of the man (operator). Information in form of bio-potentials was obtained from the leaves of a plant (using 2 channels) and data received by the magnetometer from the transducer situated near the roots (third channel) was introduced into the computer. The computer determined the time of the operator effect by using an expert program to find the integral function (Fig. 11). Under this elaboration, we were convinced that the conclusions of Kogan I.M. (1981) concerning the advantages of using multi-channel registered facilities in experiments on distant-information exchange were valid because it enhanced equipment stability to noises and provided more information.

When we analyzed the initial signals which had been obtained from the transducers, we were not able to determine the time of the suggested influence of the operator without additional mathematical treatment. To increase the efficiency we used a multi-level mathematical filter and the principle of multi-channels. It was shown that 75% of the operators affecting the subject stabilized the integral being calculated, and 25% - destabilized.



**Fig.12 The distant-image act of peoples from the USSR to the automatic test-system. Time of act: 07:35-07:45 24.12.90.**

It is established that in evaluating the distant influence of large groups of people at the moment of the translation of an image of a plant on all-union TV (24.12.90), all three channels were destabilized (Fig. 12), while under the influence of a target-rose on the TV spectators in Novosibirsk (28.11.90) the computer system registered the maximum level of stability for all 3 channels of information. The obtained results were interesting, and compared with the data of R. Jahn (1982) who has shown by means of random number generators that it is possible to have 2 types of operator's influence: "positive" and "negative", (during the "positive" influence, mathematical expectation compared with the control level increases, and during "negative" - decreases) (Fig. 13).

In our experiments, when a single effect was applied, it was demonstrated that practically any person may distantly effect a computer system with bio-indicators. The direction of this effect, along with other factors, is determined by the helio-geophysical situation at the moment when the experiment was conducted, and also before the Man's birth. This was especially clearly observed in the TV experiment "Dikson-Novosibirsk". 80 % of the viewers on Dikson Island who succeeded in their attempts to distantly effect the plant situated in Novosibirsk were imprinted on the third moon month of prenatal life by the magnetic field of the Earth and spatial space. General success was achieved

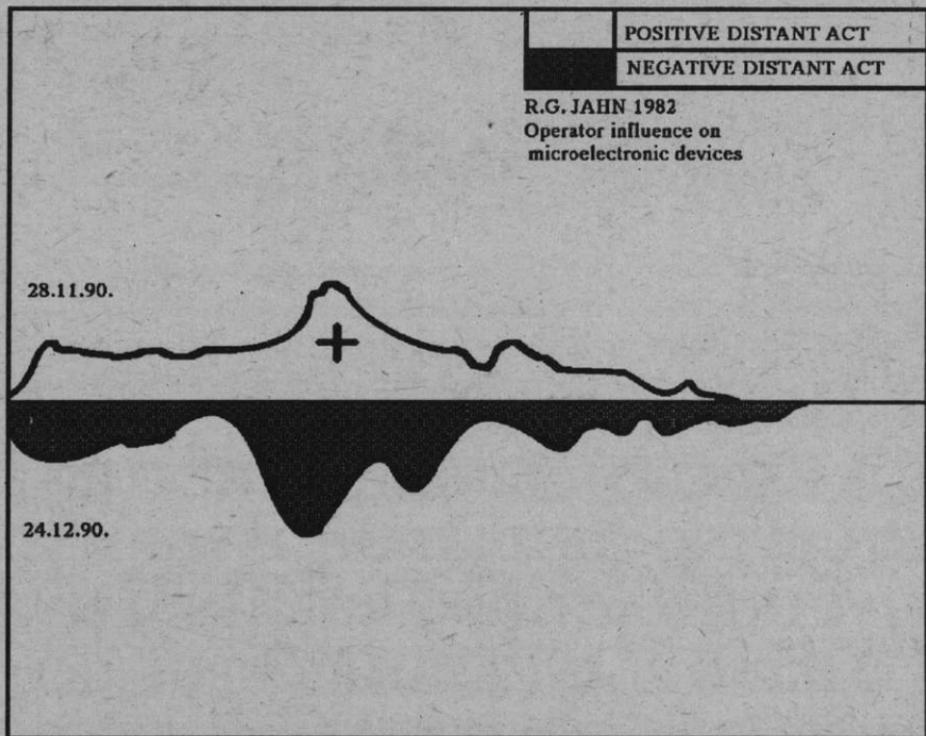


Fig.13 The examples of experiments 24.12.90 and 28.11.90 on TV.

during the periods when high-latitude magnetic sub-storms occurred. The attempts at realizing such an influence from Bulgaria were less successful. But it should be mentioned that in all three cases of successful distant influence, the operator-"translation" was situated in the magneto-abnormal zones of the Trakia sanctuaries (Kabile, Belintash).

**II. EXPEDITION RESEARCHES ON  
STUDYING THE DISTANT-INFORMA-  
TIVE INTERACTION'S ROLE IN MAIN-  
TAINING PLANETARY-BIOSPHERIC  
HOMEOSTASIS OF THE EARTH AND  
NEIGHBOURING SPACE.**

## AT THRACIAN GODS. EXPEDITION THROUGH SANCTUARY PLACES OF BULGARIA

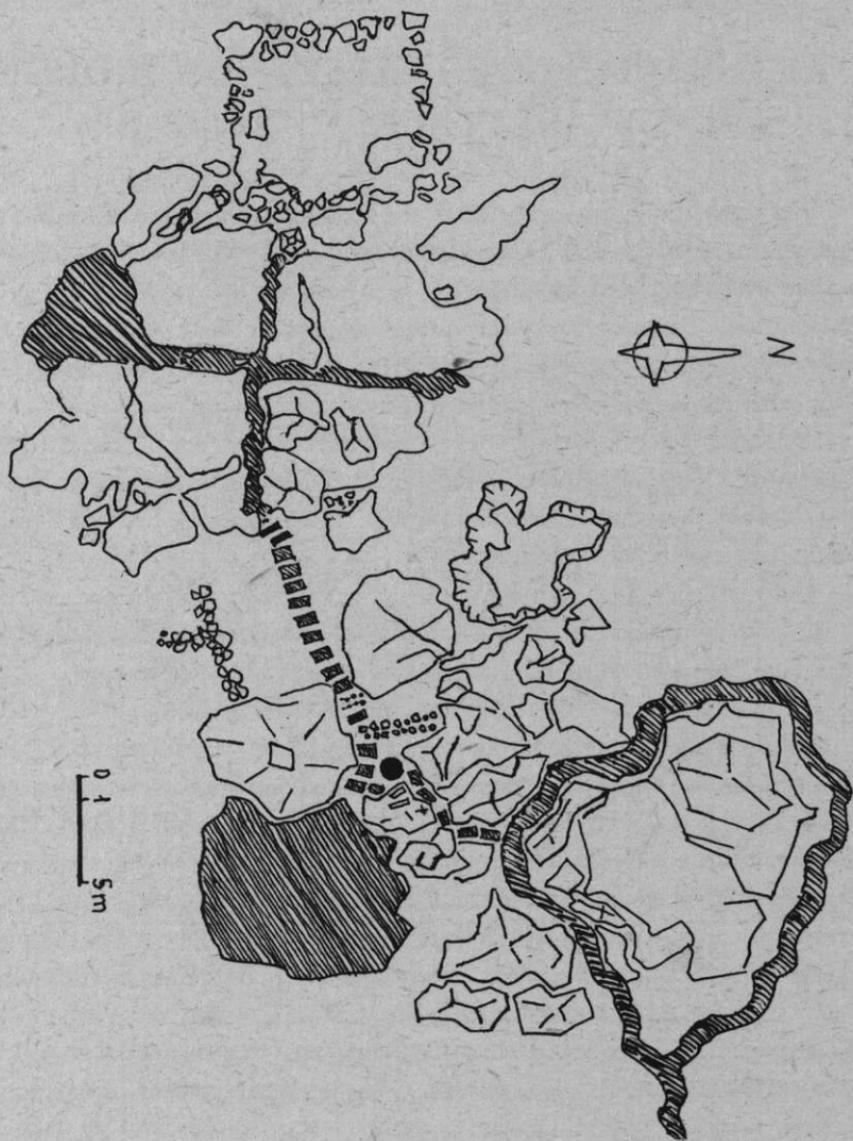
The expeditional investigation of the singularity of distant-information interactions in the places of the Thracian culture were undertaken in October 1990, together with Bulgarian investigators, to whom we are thankful for creative collaboration. This work was performed in alliance with Alexey and Penca Stoyeva (People's Astronomic Observatory and International Situational Centre of the Institute of Spatial Investigation of the Bulgarian Academy of Sciences, Stara Zagora), Julia Verbanova and Pavlina Todorova (People's Astronomic Observatory, Yambol), Janko Yancova (Archaeological museum, Yambol), Donca Yotova (newspaper "Yuzhna Poshta", Stara Zagora), Jasmina Dascalova (Tourist agency, Sophia), and many others.

The materials, having been obtained in this interdisciplinary expedition, have helped us to see the play of the distant-informational interaction in the intellectual history of mankind with the positions of New Cosmogony.

We invite readers to go along the route of this expedition.

Kabile is an ancient Thracian sanctuary (1 thousand years B.C.), where the Skirmiads and Nipseis tribes lived. Herodotus and Darium mentioned them. The sanctuary is located on small hill. At the foot of this hill is located the rest of another culture, a Byzantine settlement (III-II centure B.C.) with some remaining basilicas. The central part of the Kabile-sanctuary has the form of cross-shaped passage, cut in rock with a depth of near 2.5 m. The esxit of the passage are oriented strictly on the parts of the world (Fig.14). Bulgarian astronomers (A. Stoyev - People's Astronomic Observatory in Stara Zagora, Yu. Verbanova and P. Todorova in Yambol, and others) have suggested that this ritual complex was used also for astronomic observations. Using a magnetometer of original construction, together with Bulgarian investigators we discovered an interesting phenomenon: the passage in the rock goes through the zones of the local magnetic anomalies (Fig.15). A person, going through them in a certain rhythm, perceives

Fig. 14 Hare's Hill-Kabile Bulgaria Trakya's Shrine. (Marchenko Yu., Stoev A., 1990)



the original magnetic partition, and crosses fields with different magnetic inductions sequentially. This supposition has been confirmed by using the method of estimating the individual magnetic sensitiveness developed in the laboratory of the helioclimatic pathology of the Academy of Medical Sciences, Siberian Branch (A.V. Trophimov and N.R. Deryapa, 1986).

**TABLE 1.** Examples of individual physiological reactions of persons with psychic ability when passing through the "magnetic passage" of the Kabile sanctuary (10.16.1990, Bulgaria).

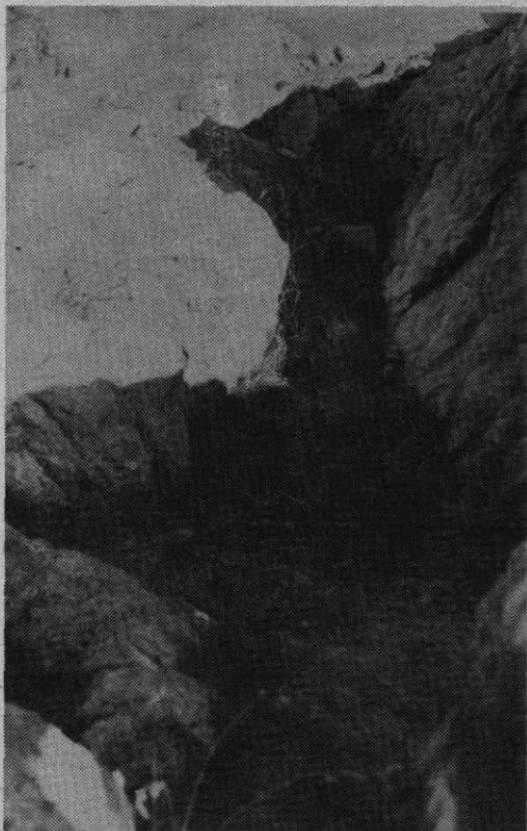
Position	Before "magnetic passage"				After "magnetic passage"			
	AP mm HG	I AP UM. 6 mA			AP mm HG	I AP UM. 6 mA		
		D	(+)	(-)		D	(+)	(-)
I	124	80	3	15	152	86	2	5
II	118	80	2	16	122	76	3	2
I	122	80	10	4	116	84	15	8
II	110	70	6	4	136	88	2	16
I	128	80	9	7	140	74	4	8
II	144	90	6	6	134	72	10	5
I	120	80	2	8	122	82	4	7
II	116	72	2	8	144	94	4	6
I	128	80	5	10	128	90	9	3
II	132	84	10	5	142	86	9	6

I - initial state.

II- probe with measured magnetic loading.

The reconstruction of the ritual ceremonies of the Thracians in the Kabile sanctuary was carried out with the participation of Bulgarian paleoastronomers, ethnographers, archeologists, and psychics. It allowed us to assume that rhythmically passing through the magnetic "field passage" promoted

the persons taking part in the ceremony to reach the original psychophysical state at the central point of cross, where the altar is located (Photo 5), opening the way to distant-informational interactions in its whole totality as a space-planetary phenomenon. On October 16 and 17, 1990 the talented psychic Jasmina Das-calova, having been in different states, made more than 10 attempts at image-bearing transmission of information from different points of the Kabile sanctuary called "Hare picks". As a result of these attempts, she revealed the key positions, having determined reproducible transmission and received image-bearing infor-

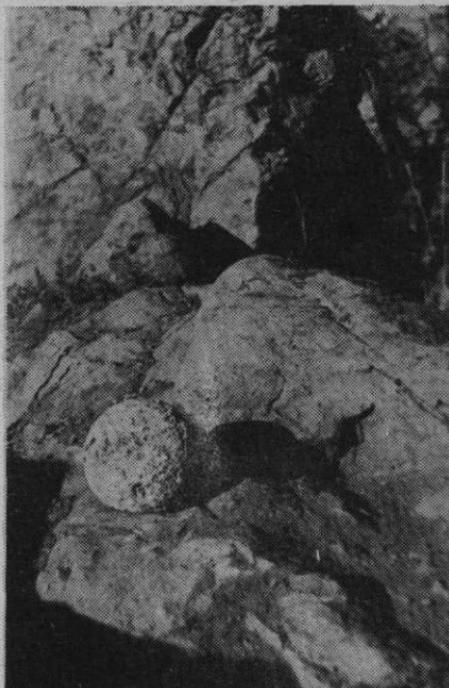


**Photo 5 Altar.** The central part of the ritual complex in Cabile. The "magnetic" corridor.



**Photo.6 Extrasense Zhasmina Baskalova - an active participant of the experimental sessions of distant-image connection: Bulgaria-Novosibirsk.**

mation over a very long distance. The following conditions must be satisfied: 1) a three-fold passing through the magnetic passage with a certain speed and rhythm; 2) transmission is from the altar zone near the rock depicting the Goddess Kabile and a constellation in the form of "trident"; 3) the transmission is at night time under the starlit dome of the sky; 4) contact with a ceremonial object - a stone sphere, found in the excavations of the "transmission" part in the altar zone (at the time of the experiment the "sphere", presented by the archeologists, had an age of about 2.5 thousand years and, as the ethnographers and the paleoastronomers suppose, reflects the cosmogonical conceptions of the Thracians). Thus, only those seances in which all 4 conditions were strictly



**Photo.7 The ritual sphere from the archeological excavations in Kabile an object of effective sessions of distant-image connection.**

satisfied (3 from 12) were successful. During these seances image-bearing information was perceived by the receiving group (11 persons) in Novosibirsk. Apparently the transmission was so strong and bright that images transmitted from Kabile were perceived on other days several times.

With seances from the sanctuary “Hare pick”, the attempt at distant-image-bearing interactions between persons was undertaken from another cultural-historical stratum - from different places of the Byzantine basilicas constructed in the IVth century B.C. The image-bearing information with the use religious symbols usual in Byzantine culture was received on October 17, 1990 by 5 members of the Novosibirsk receiving group only in 2 seances, when the transmis-



**Photo.8 Zh.Daskalova in the period of the distant-image connection session.(the magnetic-anomalous zone of the Trakisky shrine in Kabil)**

sion was performed from the altar part and the baptisterium of the Byzantine temple. The images transmitted from the other parts of the temple (they were used in all 9 points) “did not find the way” and were not perceived in Siberia. Magnitometrical mapping of the basilica showed that the altar and the baptisterium were located in the zones of the negative magnetic anomalies (with respect to the background values of the magnetic induction in this temple).

Thus, on this day the successful “transmitting and receiving” was performed at the points with relatively hypogeomagnetical conditions (the magnetic field induction was reduced by about 5 000 Tl).

On October 20, 1990, works were performed from the eneolithic settlement dated to IV thousand B.C. located near the village of Dalnoslav. One of the oldest and the largest ceremonial complexes in Bulgaria (20 altars in an area of about 4 thousand m) is located here. Magnitometrical mapping of the altars did not show any difference in the magnetic induction values of these points from the surrounding background. There are no magnetic anomalous zones. On this day no seances of image-bearing transmission were received in Novosibirsk. In our opinion, one of the key conditions related to the informational field of the Earth was absent: an amplified local magnetic flux, caused by geophysical singularities at this place.

In this case, it appears that distant-informational interactions are realized only with difficulty. That will be confirmed in the following and other points of the Bulgarian expedition.

The sanctuary of Belintash is a complex system of connected vessels, cut into the rock for ceremonial liquids and water. After magnetic measuring and biolocational mapping, performed by Yu. Marchenco and A. Stoyev, it was discovered that the Sabazia throne, and also the centers of the rock reservoirs are in energy active points of the Earth, corresponding to Hartmann-Kurry's nodes, and also, predominantly, in zones of micromagnetic anomalies with a very large gradient in the magnetic field (Fig.16). We suppose that the selection of the place for the sanctuary on Belintash was connected with the singularity of the geophysical structure of this mountain peak. The discovered geophysical singularity of the Belintash region as well as in Kabile, possibly, was used in the ceremonial actions of Thracians.

The energetical-active, informational-capacitative water ceremonial system, driven according to the spatial cycles of the astronomical calendar, well

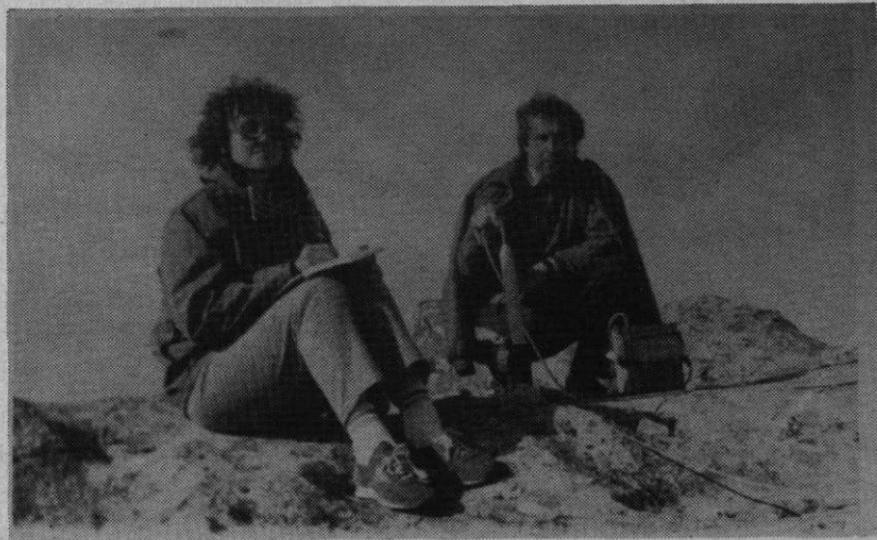


Photo 9 A. Trofimov and P. Todorova are making a magnetometric survey of the Sanctuary, Belintash.



**Photo 10 "Trone Sabasiya" - the magnetic anomalous zone of Thraky's Sanctuary, Belintash.**

known to the Thracians, could be located there. Water flowing from this system had special properties. Up to now, the hips on bushes receiving water from this system during rains and storms are 3-4 times larger than on the neighbouring bushes, located far from the mountain flows. Man also can experience the force of this influence, reviving memories of these places. The distant-informational transmission, carried out by Jasmina Dascalova on October 21, 1991 from the magnetically anomalous Sabazia's throne, was perceived by the receiving group, located thousands of kilometers away from there, in Novosibirsk. It was also heard by a sensitive biosensor - the chinese rose, and was detected by the computer, linked to the rose. Three other attempts, undertaken from the neigh-



**Photo 11** The element of energo-active water ritual system of the Sanctuary, Belintash.

bouring, non-anomalous points, were unsuccessful. The force of Sabazia's throne, apparently caused by inserting a Man into the united space-planetary system, into the informational field of the Earth, represents an awakening and amplification of properties inherent only in Gods, including the Thracian healers Sabazia and Orpheus, who would be called psychics in modern terms.

On October 23, 1990, a seance of distant-image-bearing communication was performed between a Thracian cave sanctuary, located 5 km from the village of Bylovo, and Sophia. The ceremonial cave near Bylovo contains a large number of ancient pictures. They became the objects of a distant-image-bearing transmission. Before the seance of the communication, as in the other Bulgarian sanctuaria, we performed a magnetometrical mapping of the cave surface. No expressed magnetic anomalous zones were discovered, but the places where there were pictures showed a difference from the values of the magnetic induction of the rocks. This difference reached 1 thousand Tl. One would think that it is a small difference... But in a world of weak ecological links, it was decisive. From the series of images transmitted in succession, only those which were transmitted

from points with large values of magnetic induction were received in Sophia. According to the methods of transmission, the operator's face was located 20 cm from the picture. Examples of correct received images are given (Fig. 17). A very important problem which requires the following detailed investigations rises. What are the roles of the magnetic structure of the closed cave space and the distant-image-bearing channel of communication in the ancient painters' creation? The statement of the problem is correct because twice in our investigations, in Khacassia and in Bulgaria, the geophysical singularities of the caves determined the success of the distant-image-bearing interactions.

Thus, the investigations of distant-image-bearing interactions in ceremonial places of the Thracian culture discovered the role of the geophysical structure of the sanctuary spaces in performing ceremonies. In these rituals, participants entered into the informational field. This was successfully reproduced by experimental reconstruction in our Bulgaria-Novosibirsk experiments on distant-image-bearing communication. Distant-image-bearing communication was effective only from the magnetic anomalous places of the Thracian sanctuaries (Fig.18).

Investigations, started in Bulgaria, have to be continued in the framework of the special program of the expedition "By way of the great migrations of

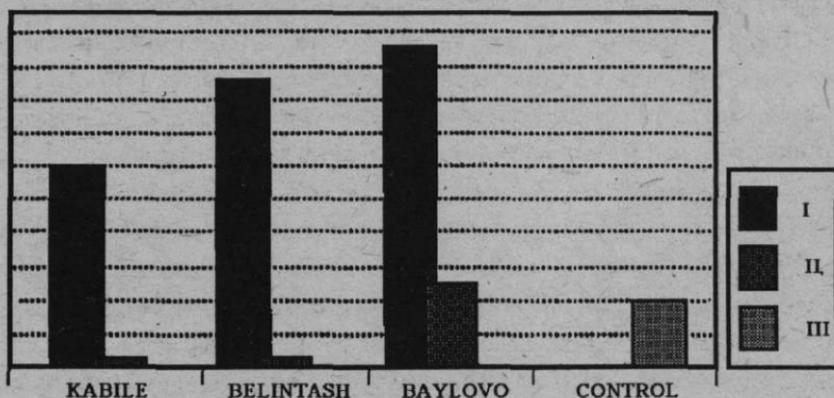


Fig. 18 Change in distant-image communications efficiency between Bulgaria and Novosibirsk with magnetic conditions in the place of transmission (Trakia sanctuary), October 1990.

(% received images from number of transmissions)

Mankind", which was begun in 1992. From the places of special cultural-historical importance in different countries along the expedition's route, participants will carry out seances of distant-image connection, which will help to uncover the true role of distant interactions between persons in the cosmoplanetary history of the Intellect and Mankind.

Transmitting	10. 23. 1990, 14:10 - 14:40	Receiving	10. 23. 1990, 14:10 - 14:40
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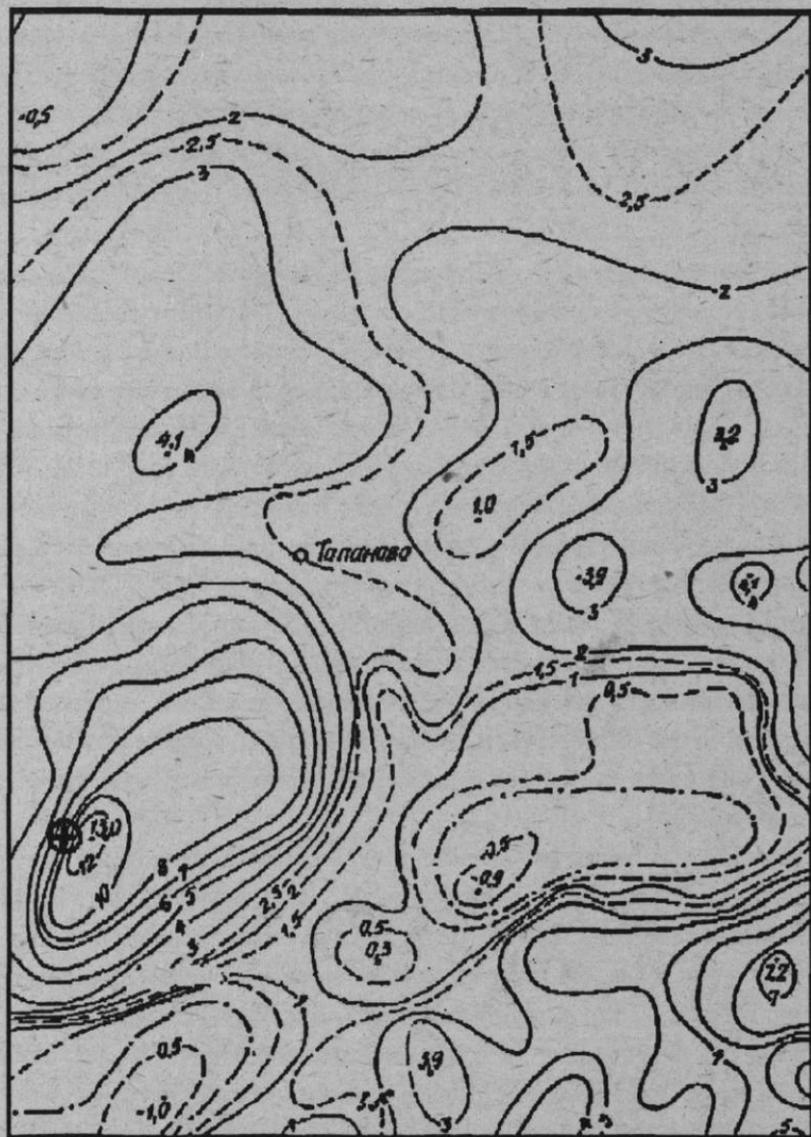
Fig. 17 The result of the distant-image human being interactions under the "transmission" of pictures at the magnetoactive sites of the ritual cave in Baylovo.

## **ORPHEUS DESCENDS TO HELL. SPELEOEXPEDITION.**

The geographical realm, which formed under the influence of the energetic stream of becoming (astronomic cycles, climate) and planetary nature (tectonic, volcanic and hydrological phenomena) as well as the streams of biological origin, is a kind of a boundary layer involved in complex cosmoplanetary exchange, thus deviding and joining our planet with the Cosmos (Kaznacheev, 1983). Many works on the landscape sphere of the Earth and its geographical realms are based on the ideas of V. I. Vernadsky. He considered the Biosphere as a zone of the Earth's crust with transformers converting spatial radiation into different kinds of Earth energy: electrical, chemical, mechanical etc (Vernadsky, 1926, 1980).

The geographical realm is non-uniform. The important elements of this non-uniformity are numerous carst formations in Upper Jurassic and Kembrian limestones resulting in the anomalous deviations in telluric currents and the magnetic field of the Earth. Hence, we have the right to suggest in different parts of the Earth and under the ground spatial effects are being refracted ambiguously (Golovanov, 1986).

According to modern scientific conceptions developed by spatial antropoecology we consider any living creature, including the higher stage - Man - as a self-organizing organism for transforming cosmic energy, a system which uses a natural astrophysical process consuming and accumulating some part of the cosmic radiation. The study of the regularities of electromagnetic exchange between the human organism and the enviroment under through synchronous surface and underground observations is thought to be of the great importance. We suggested that the change in the informatic-energetic background of the cosmic effect of electromagnetic and other kinds of natural phenomena observed under the ground at different depths may affect the system providing electromagnetic homeostasis to the human organism. The new methodic approach we used allowed us to do a dynamic evaluation of electromagnetic homeostatistics. We



Scale 1 : 200 000

Fig. 19 The map of the magnetic field's anomalies, Khakassia

normal MP 59400 nTl

isodynes in hundreds nTl

⊕ - place of carrying out the research is Kashkulak's cave

applied dosed magnetic loads by a constant magnetic field where induction was 400 times as much as the average induction values of the geomagnetic field. By the vector and amplitude of the changes in the registered psychophysiological parameters (time of reaction on light-irritation, arterial pressure, pulse frequency, temperature, electroskin resistance) we came to conclusions not only about the degree of individual magnetosensitivity of the organism but also the rate of its conventional conjugation with the heliogeophysical situation.

Besides the test on the express-estimation of magnetosensitivity, a number of traditional functional tests were used as well. The investigations were carried out in 1984-1987 (low solar activity period) in carst formations in Siberia, Middle Asia and the Trans Carpathians. More specifically, the tests took place in the Khakassia autonomic region in the South of the Krasnoyarsk area in Kashkulakskaya Gate (Fig. 19) at depths from 60 to 140 m where the periodically changing geophysical background of this cave made it quite good for biogeophysical studies; in the Kap-Kutan cave in the mountain mass of Kugitang-Tau in Turkmenia, in the region of the positive magnetic anomaly at depths from 70 to 120 m and in the wasted pits of the Trans Carpathian region at a depth of about 300 m. The members of the Novosibirsk and Transcarpathian speleology clubs as well as 126 young healthy men of ages from 18 to 24 years took part in the synchronous surface and underground studies. The aim of these studies was to solve the main problem: to evaluate peculiarities of Man's responses in the conditions in which the usual heliogeophysical background is transformed by the thickness of the rocks. The background was registered with a set of geophysical and meteosynoptic instruments (quantum magnetometer M-33, some recorders, type Tangar, some instruments, type AE-72, for recording electrical earth parameters, automatic thermographs M-16 and aneroid barographs M-22). The results of the three-day synchronous surface-underground investigations showed that the physiological parameters of the people tested at the depth of 300 m greatly differed (p) from the data of the control surface group. Particular, we observed an increase of blood pressure (by 16 mm.m.c. on the average), body temperature (by 1.6°C on the average), hand dynamometry data (by 8 kg on the average), and electroconductivity in the region of skin projections of reflexotherapy points (by 4 mA). A high pulse frequency (by 15%) was also observed at a clinorthostatic

underground test. The significant differences were also well-marked by the end of the first day of the synchronous investigations with people of the same age in identically comfortable microclimatic conditions, including regularity of meals.

In the magnetic testing, the "surface" and "underground" groups intraday dynamics of arterial pressure level and its fluctuation appeared to be contrary. From the second day on, the people tested on to surface had a tendency to decrease their initial A.P. value and the increase under magnetic testing. But with the people tested under the ground, initial AP values increased for 3 days, but under the magnetic influence hypotensive reaction developed. The data obtained at the surface-underground investigations in Turkmenia during the high magnetic

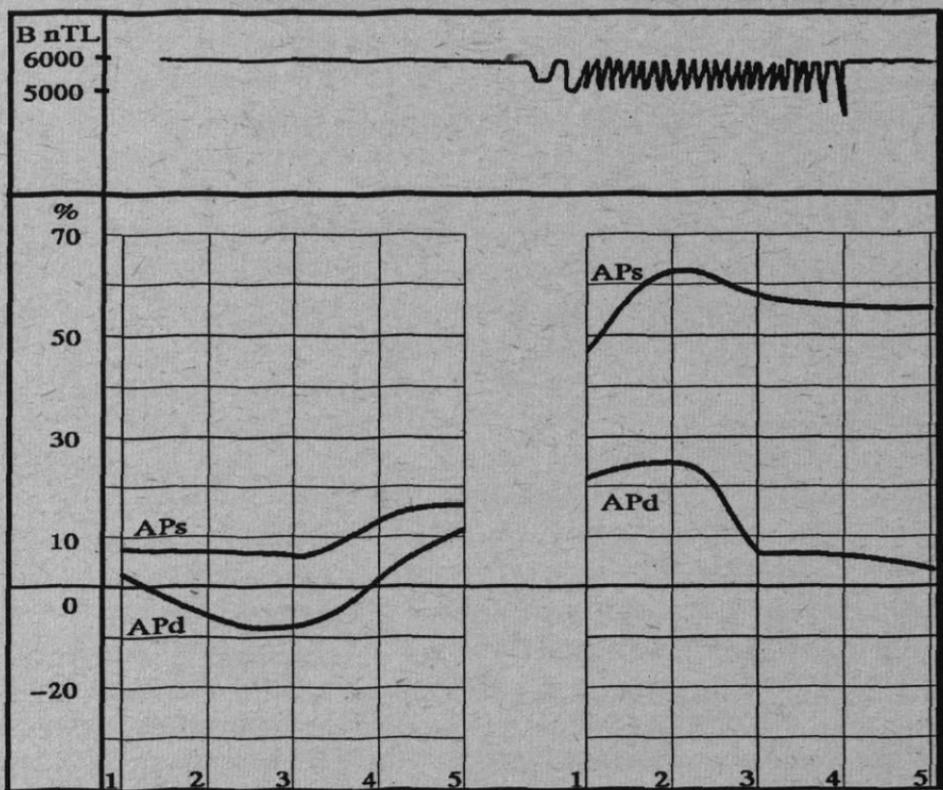
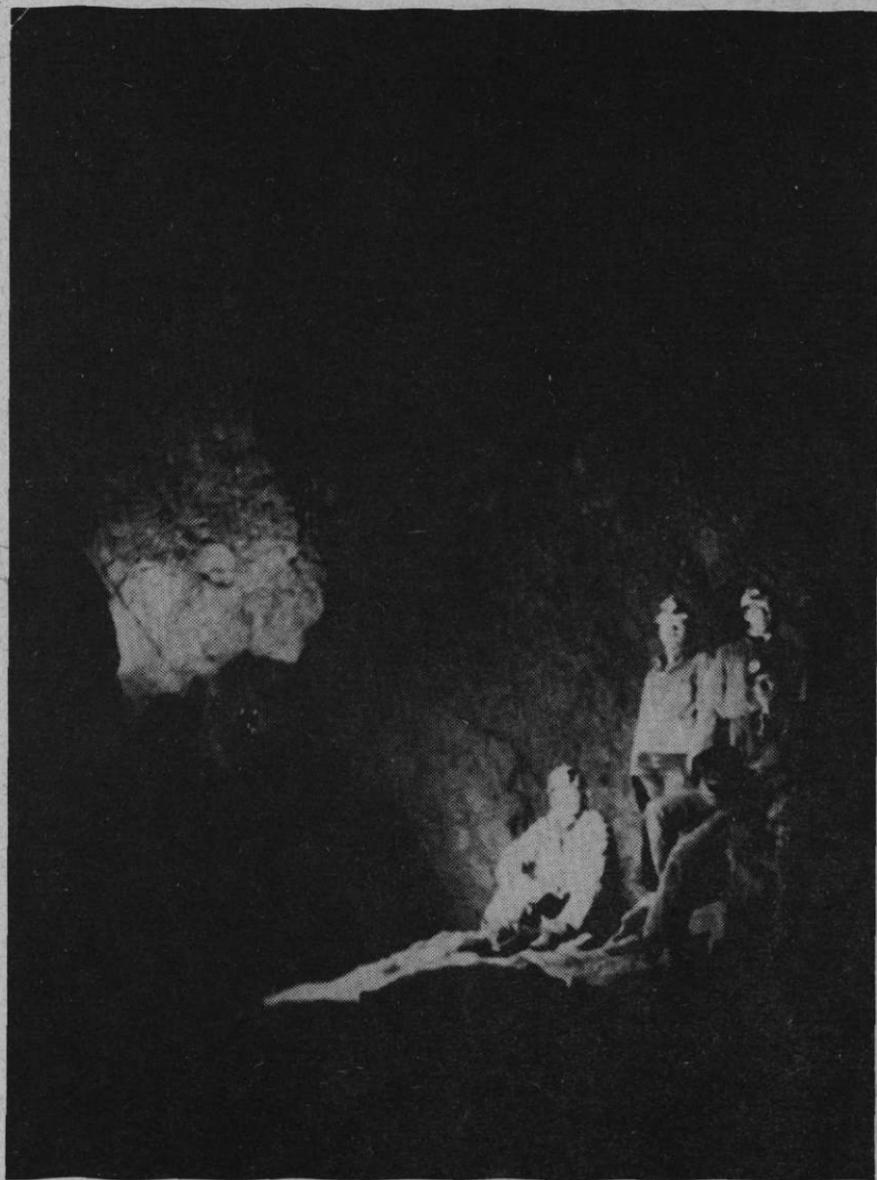


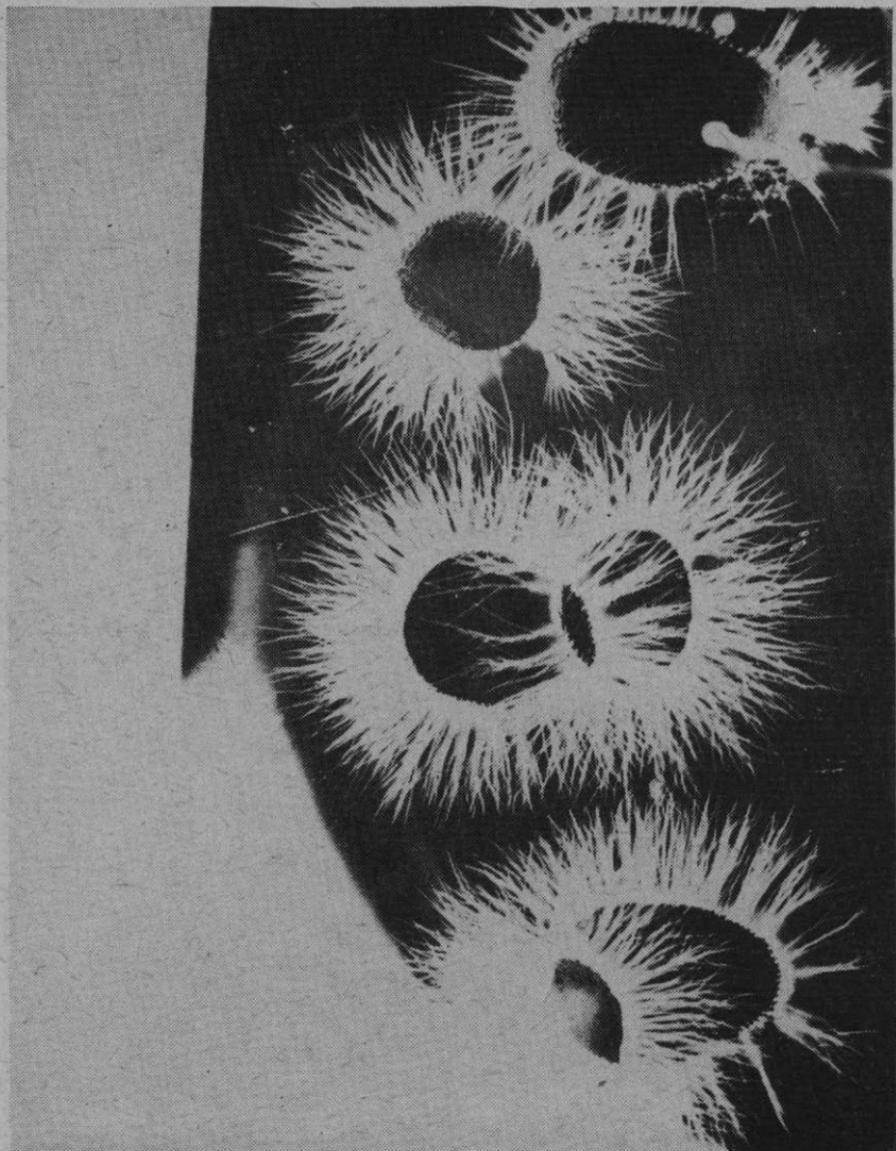
Fig. 20 Changes of vector of magnetotropic reactions in man (by arterial pressure) at the moment of magnetic field changing (according to quant- magnetometry) in caves ritual ground.

disturbances (magnetic storms) are of great interest. While in the "surface" group (22 persons) the initial values of the systolic AP in the period of the main phase of the magnetic disturbances were  $123.5 \pm 2.3$  mm.m.c., those in the "underground" group were  $118.3 \pm 2.1$  mm.m.c. (p). The differences in dosed magnetic loading during the magnetic storm are also of significance: on the surface the systolic AP increased, by 11.2 mm.m.c. on the average, while at the identical loading under the ground it also increased by 10.7 mm.m.c., on the average. The data registered in the geophysically anomalous cave in Khakassia (at the periodical high fluctuations of the electrical and magnetic fields and microseismic activity) are different. A much greater rate of increasing diastolic AP in response to the influence of the magnetic field was observed when testing inside the cave: +36.4 mm.m.c. (compared to the surface testing: 12.2 mm.m.c. and the control test of the same group when imitating underground conditions: +4.2 mm.m.c.). The change of the vectoral orientation of the responses to the magnetic field is characteristic for all the when tested on the surface and in the cave, with the increase of AP prevailing under the ground. Against the background of periodically and anomalously changing values of the geomagnetic field induction, fixed with the magnetometer M-33, a transformation of the responses of one and the same Man from hypotensive to hypertensive was observed only at the depth of 120 m. while testing the effect of the magnetic field at the period of the geomagnetic induction fluctuation (fluctuation amplitude to 1000 nTl), (Fig 20). The fact that such fluctuations are observed only in one place - in the ritual zone of this ancient cave is of the great interest. At this moment fixed psychophysiological tension was recorded with many of the tested people; increasing agitation, fear and visual hallucinations for some of them (they saw it as the shaman). At the surface-underground investigation in Turkmenia there were also observed well-marked differences in the correlative dependence of some functional parameters on the geomagnetic field induction.

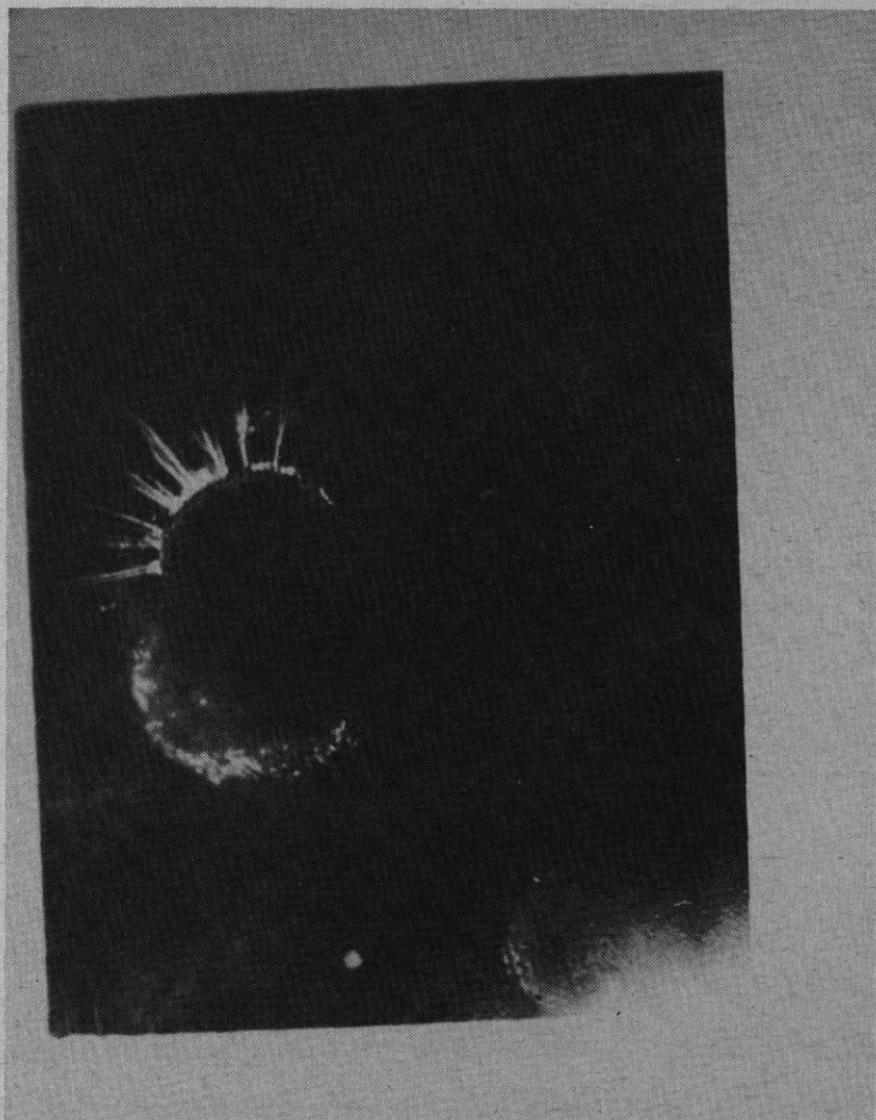
This dependence contradicts the surface and underground electroparameters of reflexotherapy points. When testing magnetic effects on the surface, correlative dependence was reversible, reaching notable values ( $r = 0.520$ ) in the relation to systolic AP. In the magnetic testing in the cave, such correlation coefficients were not observed.



**Photo 12 Investigation of Kashkulak cave (Khakassia).**



**Photo 13** Field structure of human fingers before entering Kashkulak cave.



**Photo 14 Field structure of a human organism in the ritual magnetic anomalous zone of Kashkulak cave.**

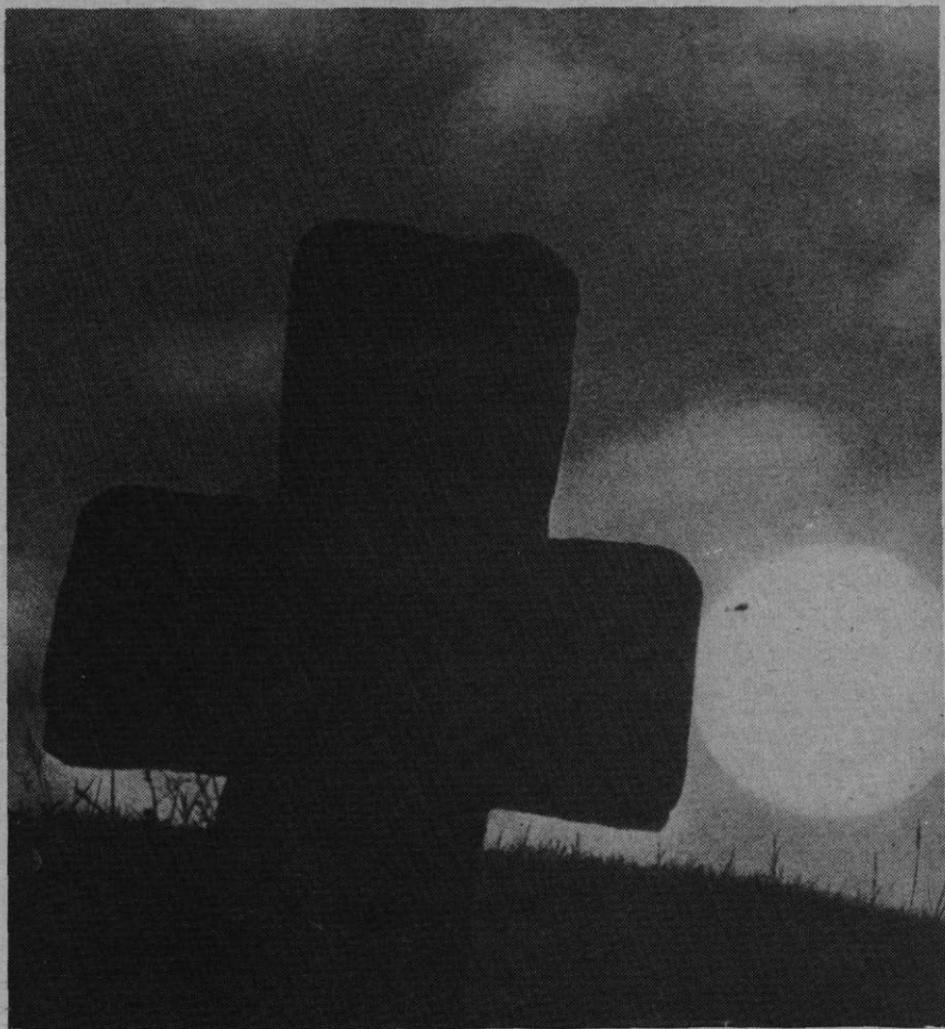


Photo 15.

The synchronous surface-underground testing in Khakasia showed well-marked differences in electro-parameters of reflexotherapy points (according to the two-phase current diversity): on the surface  $4.6 \pm 0.6$  mA, in the cave  $6.9 \pm 0.8$  A (p), and in the changes of electroconductivity in the magnetic testing:  $-1.4 \pm 0.5$  A on the surface and  $1.2 \pm 0.7$  mA under the ground (p). It is interesting that these differences were demonstrated in the tested group by people who had a very high degree of heliogeophysical risk at the prenatal period (1-3 months) and were born at the period of high Solar activity. When having dosed physical loading (step-test) the same people demonstrated some peculiarities of the responses of their cardio-vascular system both on the surface and under the ground. The extension of the recovery period after physical loading under the ground was characterized by notable differences in the pulse frequency of the tested (at the third minute of recovery): on the surface  $77.7 \pm 4.1$  b/m, under the ground  $93.3 \pm 4.1$  b/m (initial values 78 and 77 b/m, correspondingly). Thus, the synchronous surface-underground investigations on healthy people demonstrated increasing initial values of the functional parameters under the ground, a great number of hypertensive reactions, notable differences in the electroparameter fluctuations in testing of the magnetic field, change in the mode of correlating differences between the functional and geophysical parameters (their lowering, inversion and asymmetry in the cave), increasing cardio-vascular system responses to orthostasis and decelerated recovery after physical loading in the underground conditions. The investigations carried out according to the program "GLOBEKS" during high magnetic disturbances showed the pronounced screening properties of the Earth's crust. The tendency towards developing hypertensive reactions both in the initial values of AP and in its dynamics in the testing of magnetic influence registered during the magnetic disturbances on the surface appeared to be drastically lessened. Carst formations of the Earth, when considered from the point of view of cosmic anthropoecology, confirmed the peculiar informative-energetic characteristics of the human organism in the conditions of studying electromagnetic homeostasis. This cycle of biogeophysical studies confirms the phenomenon of the heliogeophysical imprinting of Man (Kaznacheev, et al., 1985) and the role of the natural electromagnetic medium in regulating his vital functions. These studies will be continued both on

different natural models and in the clinical-experimental investigations with the hypomagnetic installations (with the lowering geomagnetic field by several hundred times). These investigations will help us to understand the very intricate mechanism of ten biotropic influences of the magnetic field of the Earth and of the near and far Cosmos.

It is clear, that the magnetic fields in the caves act on the human psychical and physiological state in a special way and that this is most clearly displayed in the Kashculack cave, which was anomalous geophysical properties, located in Khakassia. It is this cave that was selected by us for the next stage of the investigation - the first experimental seances of distant-image-bearing communication through several historical epochs.

We knew the experiments from the world literature, where the methods and hypothesis of distant perception has been discussed widely. W. Barret and K. Pribram (1976) gave the facts of stimulant recognizing, and instant actualization of past experience, which showed, in their opinion, the wave nature of psychological coding.

V.M.Pushkin (1977) assumed that instant bioinformational contact was performed by means of biophysical structures of the psychological image, externalized outside of the organism: distant interaction of the forms, having the common properties of wave (field) structures, occurred.

Examples of intuitive clairvoyance are explained by B.I. Isacov by the positions of the neutrino-Photon hypothesis, by the possibility of obtaining sub-signals about remote events with temporal outstripping.

I.P. Shmelyov (1980) supposes that the informational field has a holographical character, considering the world, as the global dynamic duplexsphere, as being in a singular state of all stages of the evolution of the spatial system, securing the presence of "the past" and "the future" in "the present". The well known soviet astronomer N.A. Kozyrev gave astronomic proof of the reality of the four-dimensional Mincovsky's geometry in his works (1980), and has spoken about temporal properties discovered by the means of the astronomical observations.

H.Puthoff and R. Targ (1977) proposed methods of description of a remote, randomly selected target by the perceptient. This method was confirmed in a number of works (B. Dunne, T. Bisaha, 1979). They noted a tendency towards

clearer perception of the "esthetical" aspects as opposed to the relation of "analytical" details, the possibility of outstripping perception (several hours or days before the selection of the object for the transmission), and foreseeing access of the perceptient consciousness to the fragments of a spatial-temporal structure different from the present ones.

M. Ullman, S. Krippner, and A. Vanghan (1973) have carried out an investigation of perception in the conditions of the "non-oriented, empty field" or sensory inhibition, and together with C. Honorton and W. Braud (1977) proved the accessibility of emotional stimulation and personal interest to a distant

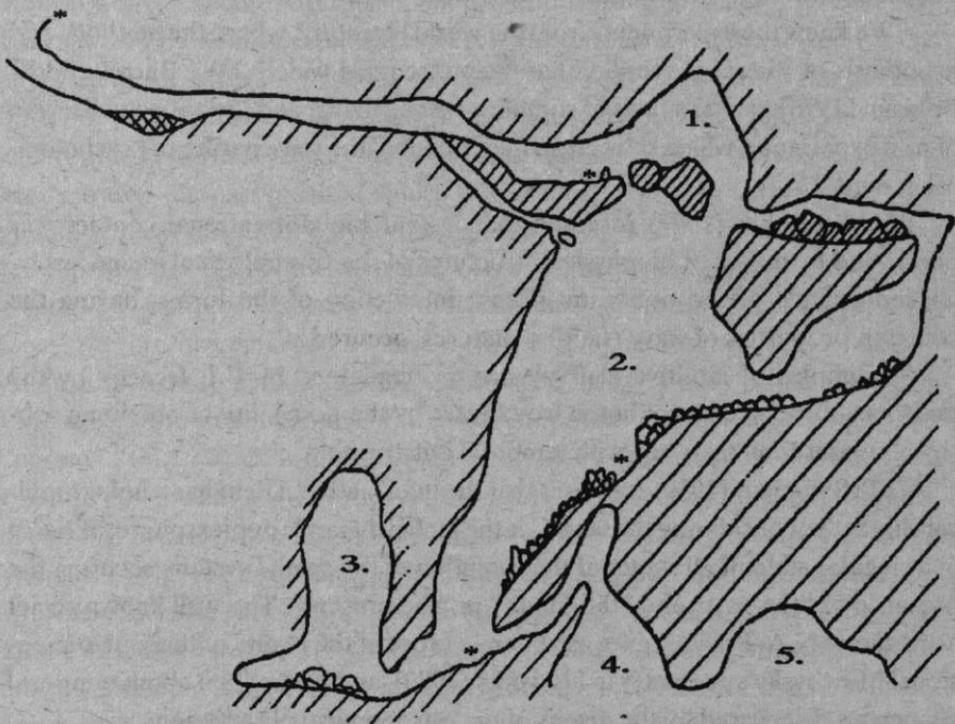


Fig. 21 Scheme of a ritual cave of ancient man in Southern Siberia.  
Grottos: 1 - "Sleeping", 2 - "Enthusiast", 3 - "Skeleton", 4 - "Dark", 5 - "Ghost".  
\* places of speleomedical investigations

transmitting program. T. Moss, (1969) at the symposium "A modern look at extrasensory perception" in the University of California, presented a report about the methods of concrete selection of a picture for the telepathic transmission of the emotions from Los-Angeles to New York and Sussex.

The statistical treatment of the results shows that the information from the target did not appear in the perceiver's consciousness randomly. (C. Scott, 1972; R. Morris, 1972; G. Solfviv, E. Kelly, and D. Burdick, 1978).

The use of the approach with an independent expert's estimate (D. Marks, and R. Kammann, 1980) and modern methods with a binary alphabet of the target-perception descriptors, as well as the estimate of the radio signal/noise in the process of information transmission (R. Jahn, 1980) proved that distant-information interactions with human participants is a reality in Nature.

It was necessary to determine the conditions of the mathematically significant reproduction of the weak ecological interactions of such a type. It became clear that the emotional-creative beginning of the personality in the process of perception is one of them.

Our expeditional works in Khakassia and Yakutia in the summer of 1989 were devoted to this problem. So, point No.11 in our first experiment on distant-image communication was located in the cave in Khakassia.

It was established by ethnographical and archeological ways that the Kash-culack cave was used for ceremonial purposes for a thousand years. The ceremonial place has been located in the "Slipping" grotto of this cave (Fig. 21) on the stone "cap" hanging over a deep precipice (the Grotto of Enthusiasts). The geographical profile of this place has a number of peculiarities (Fig. 22).

There is the altar, a massive phallus-shape stalagmite in the ceremonial zone. The sacrifice ground passes to a deep well, the bottom of which is peppered by the bones of sacrificed animals and men. According to the speleologists' legends, in just this ceremonial zone men were periodically overcome by fear without any motive, so strong that they were forced to leave the cave in panic.

Using the method of the Kirlian-Photo, we established that the outer projection of the field structure of Man, when on ceremonial ground, changed sharply and in the certain cases disappeared entirely. That can be very important in the mechanisms of psychotropic action (Photo 14).

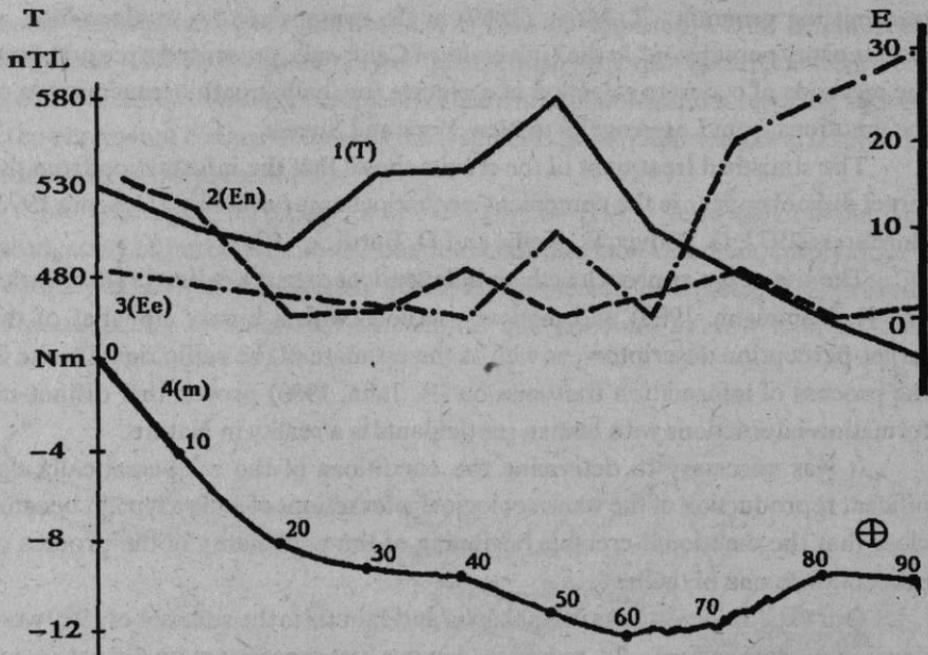


Fig. 22 Geophysical profile of Kashkulac's cave, Khakassia.

- - place of carrying out the research in ritual zone
- 1 - magnetic induction
- 2 - electric "North-South" vector
- 3 - electric "East-West" vector
- 4 - relief of the cave

In investigations of this cave over many years (from 1984 to 1990) we established that special psychophysical states of Man coincide with periodical low-frequency oscillations of the geomagnetic field of very large amplitude (Fig. 20). Moreover, we noted, that these fluctuations can be induced by groups of men of certain qualitative and quantitative composition. All cases of the anomalous geophysical oscillations occurred at the moments when the experimental groups consisted of 3 to 5 persons. Their resonance, than is not less important, and as we clarified, the spatial correspondence. The anomalous effect was amplified if the group was formed from persons born at the phase of the new Moon, or persons in whom the period of their intrauterine life, including "the laying" of the most

important parts of the brain coincided with hard action of the natural magnetic environment. (A computer program developed in the laboratory of helioclimatopathology allows one, using the data base for the spatial situation for the last 70 years, to individually estimate the heliogeophysical situation at the critical periods of intrauterine life. Its mathematical section was developed by O.P. Saranchin and A.G. Grachyov). Under automatic monitoring of the magnetic field in the cave for 5 days, during which there were no men in the ceremonial zone, devices did not record any case of anomalous oscillations of the magnetic field. One point in the program of our experiment was to perform an image-bearing transmission from the ceremonial zone of the cave at a moment of anomalous magnetic fluctuations. On August 24, 1989, such a transmission was performed by T. Bokova in a group of 3 persons.

It was very important to make no mistakes in the choice of the first image-bearing message.

In the repertoire of primitive mens creation is the element which is called the "hand". This is a premeditatedly performed image, repeating the form of the primitive painter's hand. In the opinion of certain investigators, this element gave the start to all the fine arts of the Upper Paleolithic Period.

The prints of the "hands" of the Paleolithic Period were recognized at the beginning of the 20th century by the Spanish and French sides of the Pyrenees in different caves: Altamira, Gargas, Castillo, Fon-de-Gom, Combarrell, Troi Frere, Pech-Merl, Beisac, and many others. "In the most advanced complexes the "hands" appeared in connection with other image elements, reflecting, in totality with them, the most important images for the primitive consciousness and trying to understand the connections between them. The theme of the "hand" runs through primitive and later history in all the world. In addition, this subject has been developed and practically re-made. But the elementary graphic symbol has remained in the same representation. It has been presented in the signs of ancient writing, in classical and medieval symbolics, not to mention its wide presence in the culture of the primitive tribes of the recent past (North-American Indians, aboriginals of Australia and New Guinea, etc). All this underlines the deep fundamental nature of this graphic phenomenon". (A.D. Stolar, 1985).

Thus, the image of the hand silhouette of the paleolithic painter from the french cave Pech-Merl, expressed in a real Photoimage went in the program of the distant-image-bearing transmission from the ceremonial zone of the ancient cave in Khakassia (Fig.23).

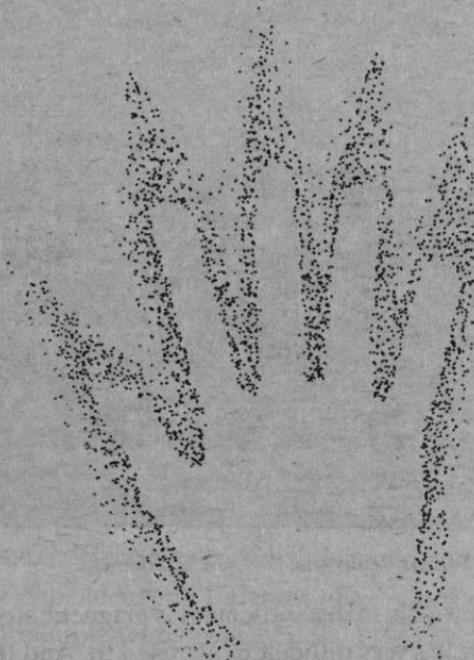
The experimental conditions suggested two places for the receiving of the image-bearing information. One of them was Novosibirsk: in the hypomagnetic installation and outside it; the other was in Yakutia, on the Diring-Yurakh "northern pre-home of mankind". In 1982 geologists laid a prospect-hole on the Lena border 140 km from Yakutsk, on a terrace with the height of 105 m and discovered cranium fragments from a burial, as well as quartzite boulders and pebbles (choppers), created by ancient man. This complex discovered and investigated by professor Yu.A. Mochanov can be compared only with Olduvai in the West Africa (age 2.5-1.8 mln years) since the age of about 5 thousand discovered objects has been determined as 3.2-1.8 mln years. These numbers coincided with the data of the paleomagnetic analysis of the samples. It seems important, that at this geological period the polarity of the magnetic field of the Earth changed (Fig.t24). It may be this cosmoplanetary event which caused the origin of Intellect and Man himself simultaneously in other regions of the Earth.

At the time of the seance of the distant-image-bearing communication on 08.24.1989, the symbol of the "paleolithic hand" was perceived through time by modern Man in Yakutia, in the zone of the "Intellect birth" and also by the operator, receiving in Novosibirsk, in an installation which simulated a hypomagnetic environment unknown to mankind for the last 1 mln years.

The ability to properly select the place and the time for a conventional insertion into the informational field of the Earth, to use the emotional-creative potential of the personality at the time of the transmission and receiving, predetermines, in the many cases, the success of the distant-image-bearing interactions. This was the case when E. Gridneva worked at Diring-Yuryakh 08.24.1989 and correctly perceived another information-saturated image, also transmitted from the Khakassia cave by T. Bokova. This image, however, already belonged to another cultural-historical layer closer to us; according to the ethnic and the temporal signs, it belonged to Slavonic culture. This is a stone cross from the 15th century from the Pscov region, connected with our luminary signs (symbols of the

“cross” and “the Sun” are associated with many cultures.) (Photo 15). The ancient Russian Chronicles refer very early to the places pictured in this Photo. Here, according to the legend, Prince Truvor, the brother of Rurik moored his dug-out and founded the oldest Slavonic settlement, called Truvor’s Gorodishche. The near fields and ravines remember the peals of innumerable battles. The signs of the times are under the turf cover: balls, swords and warrior bones. At the time of the transmission from the Khakassia cave T. Bokova saw the panorama of the battle with concrete “working” in detail, and also the images of the warriors taking part in this battle.

At the time of the following works with Kozyrev’s Space we can draw many parallels.



**Fig 23. The outlines of a paleolithic man’s hand from Pesh-Merl cave (France) transmitted during the distant-image connection session from Kashkulak cave in Hakassia in the period of anomalous underground geomagnetic fluctuations accurately registered in archeological excavations in During-Jurakh. (Yakutia,24.08.89)**

## TO THE NORTH POLE. EXPEDITION TO THE FAR NORTH.

In different seasons Dickson wears either the long Polar night or the endless Polar day; in February temperatures are often minus forty and day light - short, and in May there are mists and frequent snow-storms with deep and softened heavy snow. From July to September the sea revives Dickson.(Photo 16).

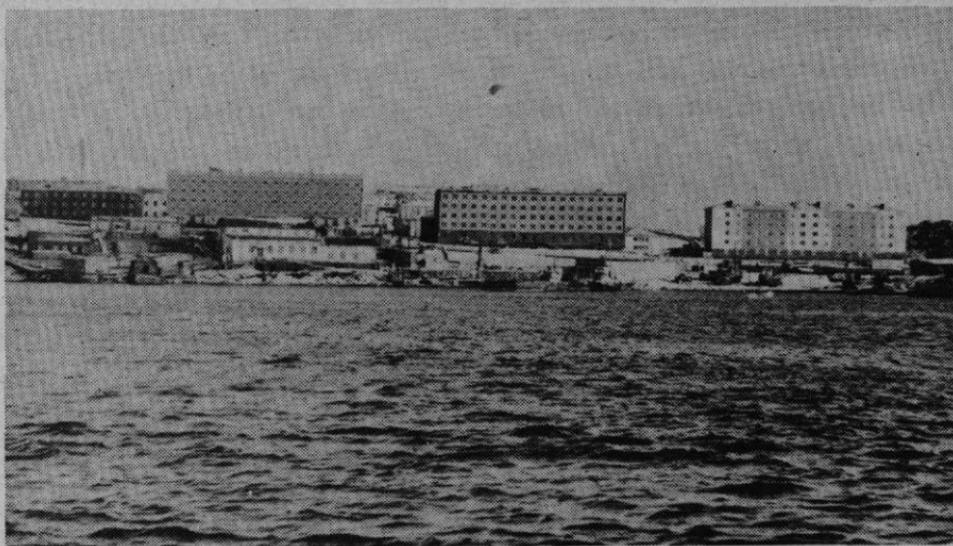


Photo 16 The Far North. Taimyr Peninsula. Dickson Settlement.

But what is always invariable in this settlement is magnetic storms of special power and frequency. They are very difficult to get used to. And these magnetic storms drew us to this region. We were going to know much about the dependence of distant-information interactions in the North on the Cosmos that is so close here...

Geomagnetic storms are the result of the most powerful fluctuations of the magnetic field of the Earth and last from one to some days. For the high latitudes, substorms are typical, and are one of the most important quick-running processes of the near-earth space, and led to the string of the auroral oval. The corpuscular radiation after flashes on the sun penetrates the magnetic-sphere of the Earth in the high latitudes, where there are peculiar craters. (Mizun Y.G., 1985). It is accompanied by an increase in the electrical currents in the Polar ionosphere (electro-jets). In the morning the electro-jet has a western direction, but in the evening, an eastern one. So, in the North, at the ionosphere altitude, a peculiar dynamic works that presents an electrical ring with different directions of rotation.

This mechanism may be connected with the rotary movement inherent (according to N.A. Kozyrev) in time. In the North, above 73 latitude north of the equator, there is a zone with a zero temporal speed. It may have a paradoxical display when interacting with the information field of the Earth. There are also some other peculiarities of the Polar ionosphere: the existence of regions with a higher electrical concentration (a plasma ring), the presence of some types of sporadic ionospheric layers in the region E, and the display of anomalous absorption of radio-waves (Mizun Y.G., 1985) that can influence the distant-information interaction in the Polar regions. The intensity and the reiteration of the auroral geophysical phenomena in the high latitudes do not display a significant connection with the 11-years cycle of Solar activity, obviously because in the auroral oval the irregular alterations, connected with the corpuscular intrusions into ionosphere are more important (Ugarova K.F. and others, 1984).

The following factors should also be attributed to the high-latitude geophysical peculiarities: the high intensity of the natural electro-magnetic field of infra-low frequencies, the lesser expression of the main phase of the magnetic storm, and the greater dependence of different geophysical parameters on the sector structure of the interplanetary magnetic field (Sidjakin V.G. and others, 1985), the "large Solar mill".

So, the Far North is an arena of great spatial interactions, and magnetic and electrical fields in this arena are on the active side. The second (main) side may be more invisible than the magnetic element.

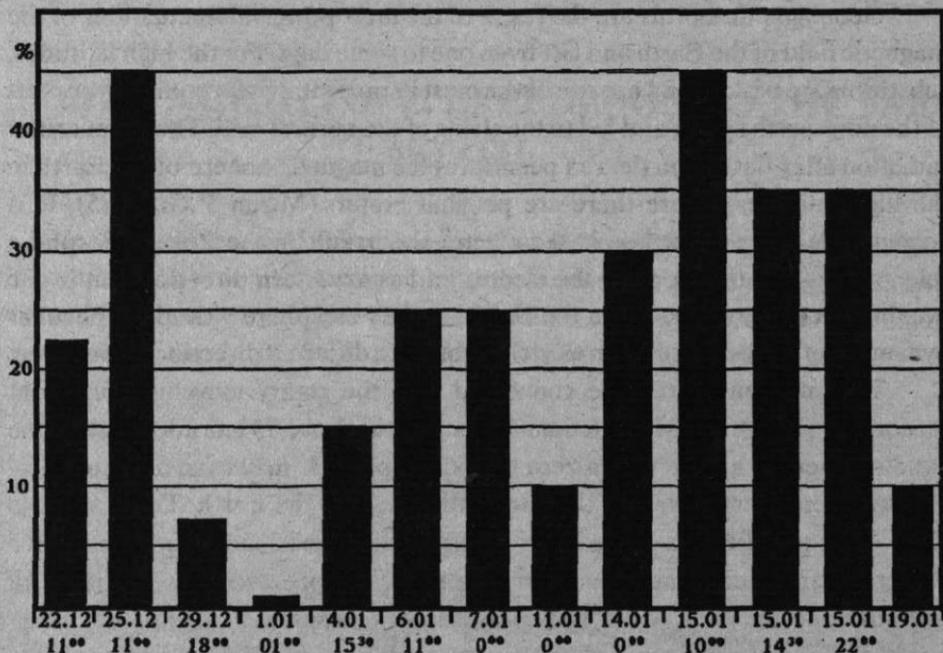


Fig. 25 Effectiveness of the image-distant perception between peoples (n=13) on Extreme North (persons who has received correct transmitted images in percents on the line: Dickson-Novosibirsk during magnetic storms \* (1990-91)).

The first experiments in distant-image interactions helped us to be convinced of it. It turned out that the effectiveness of the distant-image interactions, evaluated by the number of correct perceived images, was 2-3 and sometimes 4 times as much during the magnetic storms as during periods of a quiet magnetosphere and ionosphere of the Earth (Fig. 25). This conclusion is competent with respect to the informational transmission point. At the reception point the situation predisposed to successful perception of distant-image interactions is different. Significant results turn out to be attainable when keeping to two main terms:

1. the reception should be fulfilled in a hypogeomagnetic installation that reduces the Earth's magnetic field 600 times (Photo 2). The hypomagnetic environment, being an evolutionary-unknown environment for Man, obviously con-

tributes to discovering psychophysical reserves in the organism and to putting those programs into the operation, that uncover the possibility of remote information perception;

2. the steady, repeated, reproduced remote reception is ensured only by people who have fixed the hard influence of spatial factors in the critical periods of the intra-uterine life, mainly magnetic fields. The computer program "Helios" makes it possible to carry out an original analysis, allowing the selection of persons predisposed to extrasensory interactions with the possible development of these abilities in a hypomagnetic environment. The influence of the eclipse of the Sun also attracts our attention. In the period closed by the eclipse of the Sun, 22 July, 1990, which was observed only in the high latitudes, the effectiveness of distant-image interaction increased many times.

Moreover, the persons, who have a special relation with the Moon (the greater part of them was born in the period of the new or the full Moon) had the most consistent result (Fig. 26)

The data got when examining twins are of great interest. The number of images identically perceived by the twins under the conditions of distant-image transmissions and receptions was appraised in Dikson in July 1990. The depend-

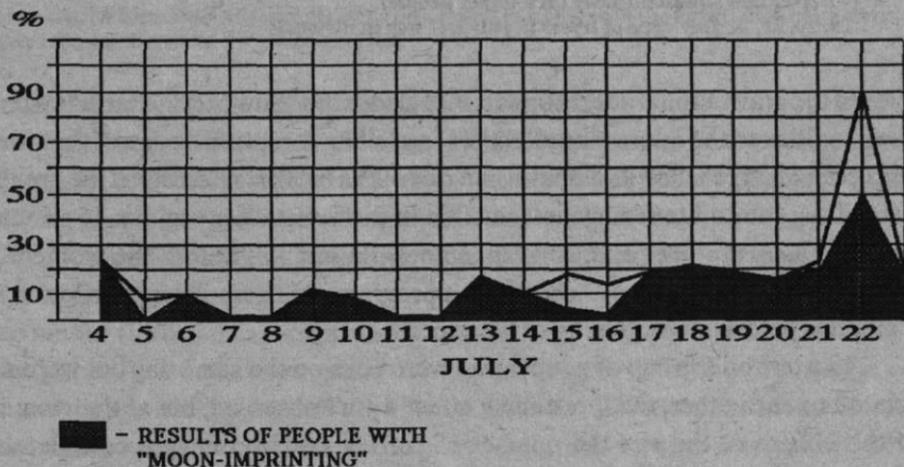


Fig. 26 Level of distant perception of cosmic images at Man in period of eclipse of the Sun.

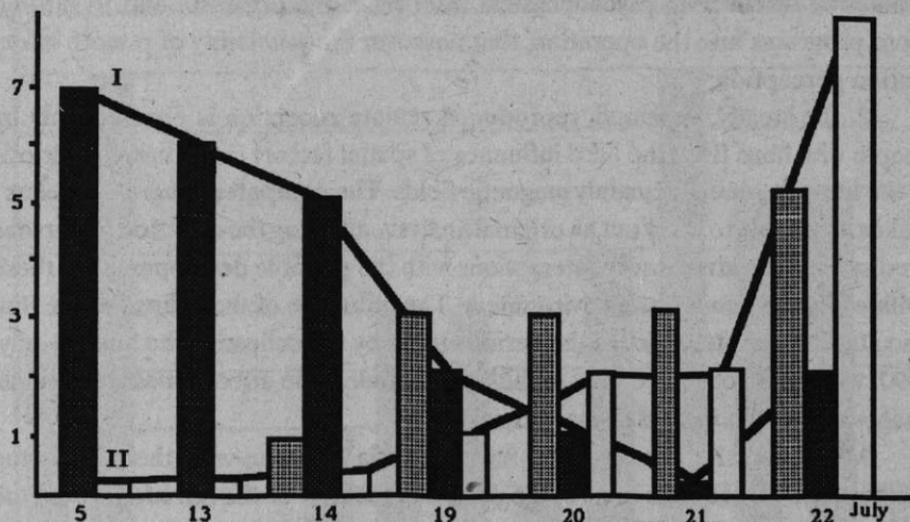


Fig. 27 Number of identical images in the time of distant perception at the twins (I) and another young people (II) in period of eclipse of the sun 22 July, 1990.

■ - perception simultaneously (at the twins)

▨ - foresight

□ - perception simultaneously (at another people)

19, 20, 21, 22 July - one of tryers in pair I, II was in hypnosis

ence of the gravitational interactions is revealed in the “Sun-Moon-Earth” system. We should note the interesting effect of forestalling reception by one of the twins. This effect had reached its climax when one of the brothers perceived the greater part of the transmitted image information in the forestalling regime: 15 minutes earlier than his brother and, correspondingly, 15 minutes before the moment of transmission. The image was chosen by a program which employment a lottotron 5 minutes before the beginning of the experiment.

In a test on a group of people who were born on the same day but were not related to each other, the forestalling effect wasn't observed, but at the moment of the eclipse of the Sun the number of correct received images considerably increased (Fig. 27). The effects of “forestalling” and “delay” in image information reception (with respect to the transmission moment) manifest themselves with a certain law-governed nature, obviously reflecting unknown laws of information

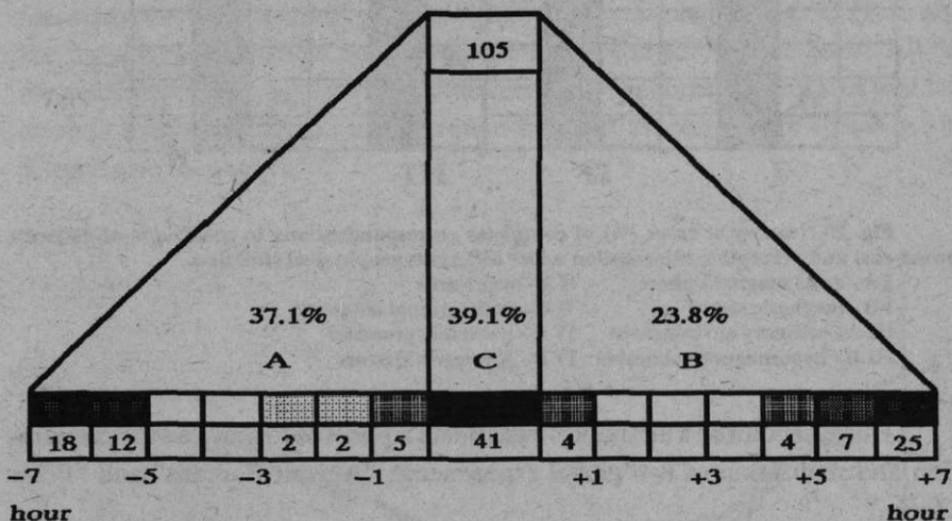


Fig. 28 Number of cases of distant's perception (n=105) with the forestalling (A). Delay (B) and at the same time to the broad-cast (C).

flows spreading in the Earth informational field; 39% of 105 correct received images fell on the transmission moment and 37% are received in the delay regime. Moreover, both "forestalling" and "delay" have some periodicity; 1 hour; 5 hours, and the greatest frequency in the period, 7 hours (Fig. 28).

Unique instruments for studying the peculiarities of distant-image interaction in the Far North are Kozyrev's Mirrors. Below will be given a detailed account of the experiments in the Mirrors and the events related to them. So, at the first stage of the researches, the methodic analysis of the experiments in distant-image connection was completed. The conditions of the most effective transmissions and receptions of the image information were determined. They are disturbances in the magnetosphere of the Earth, hypomagnetic environments, underground ice-grottos and N.A.Kozyrev's Mirrors of special construction (Fig. 29).

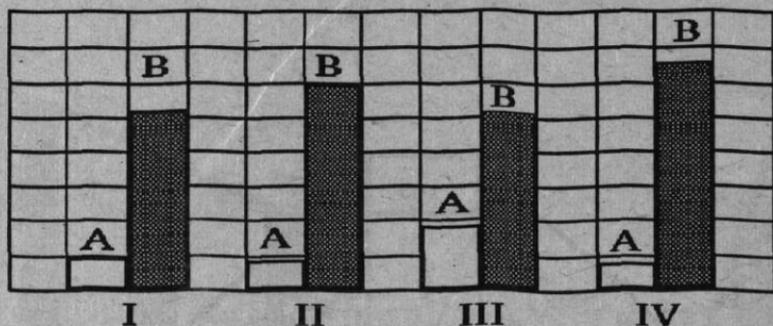


Fig. 29 Number of cases (%) of complete correspondences in conditions of distant's broadcast and perception information under different geophysical situations.

- |                              |                              |
|------------------------------|------------------------------|
| I A - quiet magnetosphere    | II A - over Earth            |
| I B - magnetic storm         | II B - underground ice-grott |
| III A - ordinary environment | IV A - habitable premises    |
| III B - hypomagnetic chamber | IV B - Kozyrev's Mirrors     |

Having acquired a methodics basis made it possible to move on the preparation and realization of two global experiments, "Aurora Borealis" and "Polar Circle."

Before telling about the experimental expeditionary materials, compiled on Dikson, we'll quote some passages from N.A. Kozyrev's works: "causative mechanics and the possibility of experimental research of temporal properties" and "Unexplored World."

"The distinction between the climate of the two hemispheres of the Earth, the distinction between oceans' currents, the non-symmetrical arrangement of the continents, and many other different phenomena on the Earth point out the essential role of non-symmetrical forces. That's why their measuring at different geographical points must hold great interest for science which studies the Earth."

"The Polar regions, where the parallels go to zero and these forces' alteration with latitude should be especially quick, present particular interest for studying the allocation of non-symmetrical forces on the Earth's surface. Corresponding measurements were made by N.A. Kozyrev and V.G. Labeys. In April, 1959, these people were made members of the Polar expedition of the Arctic and Antarctic Researches Institute. It measured the vertical component of non-sym-

metrical forces acting on a heavy load on an elastic bracket when there was vibration of the scales. These measurements were made in Amderma, Tiksi, on Kotelniy Island, Cape Chelyuskin, Dikson Island, and some other spots on drifting ice with maximum latitude 84°15'. The graph of the dependence of these forces, expressed in parts of gravity at latitude, is presented on Fig. 30. Here also the former measurements from Crimea, Pulkovo and Kirovsk are given. All the obtained points are disposed above the zero line. The force curve shows that this method makes it possible to determine only the absolute force quantity and doesn't give their mark."

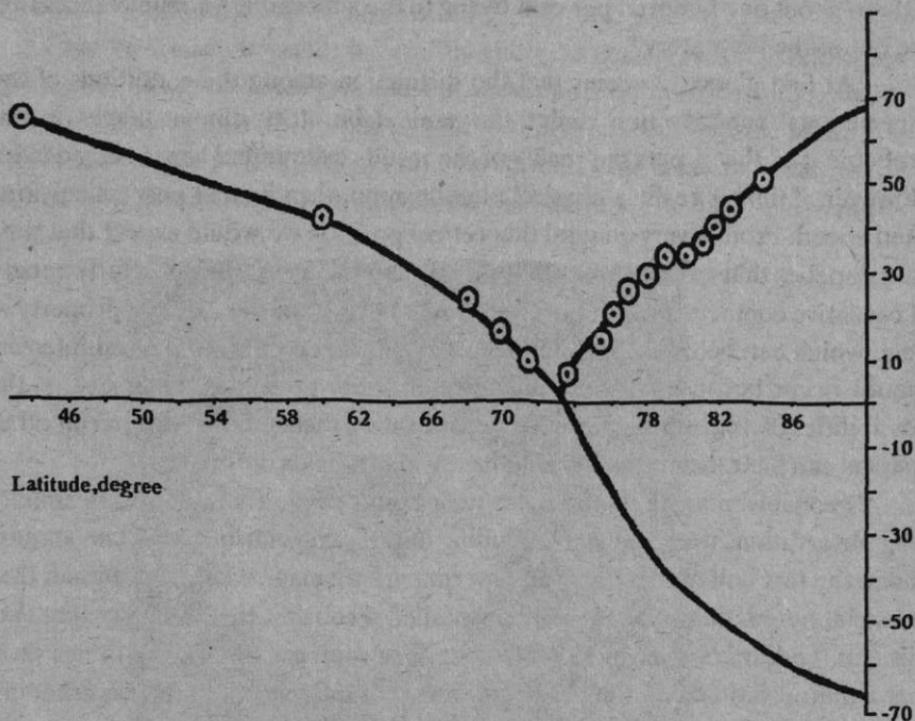


Fig. 30 Dependence of quantity of intensity full vector of time speed, caused by the Earth rotation on geographical latitude. /N. A. Kozyrev, 1959/

“The existence of a latitude effect is shown because the making of the load heavy by vibrating can't be explained in a trivial way with the help of common mechanical laws.”

“We have approached a very interesting question about what the vibration force is, functioning on the axis of revolution, in order to cause an additional temporal speed that alters causative contacts in the system.”

“We can introduce such concepts as the coefficient of causative contacts strength, having determined it as a ratio of the force to the force that makes this contact.”

“The observations showed that in spite of the strict observance of the same conditions of the experiment, this coefficient is altered in very wide limits - from little to about one hundred per cent owing to the subordinate circumstances that are out of the laboratory.”

“At first glance, it seems that the distinction among the conditions of the experiments' reproduction under the same laboratory circumstances is improbable, and that it puts the reality of the results expounded here in a bad light. However, if time is really a physical phenomenon, then it can't possess only one fixed speed. From a very general theoretical position we would expect that time has properties that can be changed. It's natural to think that the observed strength of causative contacts turns out to be different because of the variable property of time, which can be called its intensity. The alteration of the temporal intensity should occur because of some unknown physical processes. Only one of the possibilities of registering these alterations shows that systems working on other systems can be transmitted through time, without fields of force.”

“Probably, many circumstances exist that alter time's intensity. In spite of long observations we succeeded in finding only one regularity. In the late autumn and in the first half of the winter all experiments are made easily. In summer they are so laboured, that some their variants failed. Probably, the processes that take place in the Earth's atmosphere influence time's intensity. All these things show that a method should be found that could help to influence and the experiments' reproduction. Most likely, because its necessary in the laboratory to reproduce a physical process with a marked distinction of the cause from consequence.”

Biophysical and psychophysical observations of living systems give a great scope for such researches.

“The temporal course prevents balanced states from arising and that’s why it is a source of living processes of our world. Hence, the temporal course should play a particularly great role in organisms’ Life. Obviously, biological contact through time isn’t only possible but should exist. During the history of mankind much data has been gained, speaking in favour of the existence of telepathy; that is, the transmission of thoughts at some distance. These data are often refused only because of the impossibility to find any explanation for them. The question arises: is the possibility of using one system to influence another one with the help of time (that was found in the mechanical experiments) a clue to understanding many mysterious phenomena of man’s mind?”

“Time hasn’t any impulse; it has only energy. That’s why we should think that temporal influence doesn’t spread, but appears everywhere instantly, subsiding back proportional to the distance. Produced in the laboratory, the alteration of time’s intensity in principle should be perceived at the same moment by the most distant galaxies, from which light comes in billion years. The time is indis-

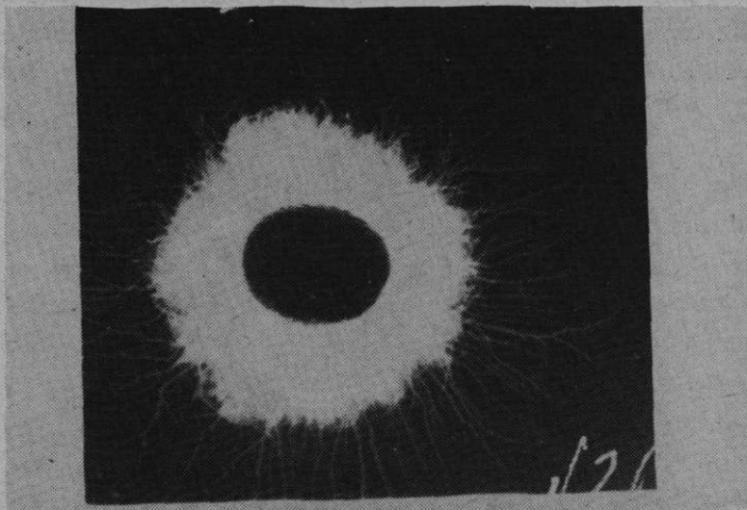


Photo 16(a) Initial field structure of a human organism before entering in "Mirrors" space.

solubly connected with all processes and its material essence establishes the Universe of intercommunication. In other words, time is a huge flow that spreads all over material Universal systems and all the processes that take place in these systems make their contribution to this common flow.”

“The-temporal active participation in natural processes creates new interesting phenomena even in simple mechanical experiments. In general pictures of different physical processes, it should be a whole world of new phenomena, a world unexplored and quite lost on the way of our sciences’ development. Studying temporal properties we shall be able to penetrate the depths of Nature and to know, in by Faust’s words, ”universe inner contact” - “was die Welt im Innersten zusammenhalt”.

Under Far North conditions the change of the organism field structure was determined with Kozyrev’s Mirrors. According to N.K. Ignatiev, who processed more that 300 Kirlian Photographs, some days the luminescence structure of 80% of the examinees (N=23) changed significantly in comparison with the initial state: segment deficiency, stress rings and degenerative spots appeared in the zones showing psychic condition (according to P. Mandel). An example of the Kirlian data dynamics in Mirror Space is represented in Photos 16(a) and 16(b).

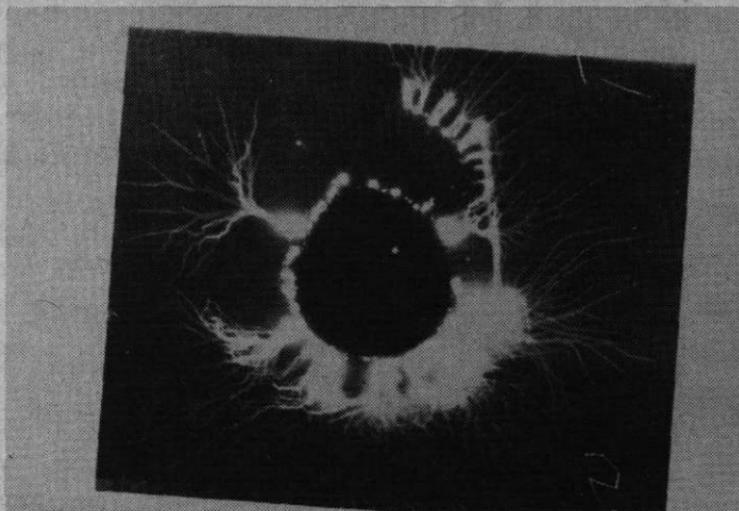


Photo 16(b) Changing of field structure of a human organism in the space of Kozyrev’s Mirrors in Dickson.

There is a discussion in the literature about including time and space in, psychical processes organization, and about the psyche's possibly being a property of the brain's space and time. (T.A. Dobrohotova, N.N. Bragina, 1991.)

The problem of the time and space plurality finds its bright reflection in Man's psyche, which combines the properties of micro- and macrocosmos. In the condition that human Intellectual functions combine the different densities of specific temporal flows, the problem of Living Matter's cosmo-temporal continuums on the Earth and in the Cosmos appears to be one of the most prospective directions of modern cosmology in the light of N.A. Kozyrev's works.

In the works of N.A. Kozyrev (1991), the dependence of the value of the complete forces vector of time motion caused by the Earthy rotation on geographical latitude, and the existence of a parallel (73 05') with a zero value of the forces, is shown. To estimate the dependence of distant-informative interactions upon the cosmo-temporal continuum, a number of psychophysiological researches were conducted in 1990/91 with the application of the space formed by the Mirrors of special design in the Polar settlement on Dikson situated at latitude 73 30'. According to Kozyrev's data (1991), aluminum coating can reflect not only light, but also time. In particular, the examinees subjective perception of temporal intervals in the usual medium was estimated. This was done in a control space with the application of thin steel plates and in the focus of the aluminum mirrors-under conditions of supposed temporal flow shielding. (Table 2). In Kozyrev's Space, a significant change of Man's time flow perception was noted. The different perception of temporal intervals is observed mainly in those cases (74.0%) in which the examinees were exposed to considerable influence of Solar activity in their prenatal period of Life.

The experiment on the estimation of the effectiveness of distant-figurative interactions, conducted on Dikson in May, 1991, consisted of setting an informative connection channel between two points situated 100m from each other, each placed inside a closed aluminum space. The figurative program for the transmission was compiled three minutes before the seance and used the method of casual excerpts: 3 figures out of 70 possible variants. The experimental reception group (inside Kozyrev's Space) and the control reception group (outside the Space) each consisted of 7 people of one age with an identical spectrum of spatial

influences on their prenatal period. The results of the series of the distant-figurative experiments are shown in Table 3. The case of transmitting and receiving figurative information in Kozyrev's Space appears to be preferable in comparison with receiving under ordinary conditions. The effectiveness of figure transmission under the conditions of supposed temporal stream shielding in the space-temporal continuum that differs from the medium habitual for the organism, is 3-6 times more.

During short-term stays of 47 examinees in Kozyrev's Space, a number of unusual psychophysical phenomena happened to 83% of them. Some of the phenomena were the following: body spatial geometry alterations (36%), split personality (24%), sensation of displacement in Space (42%) and distinct visual perception of bygone life episodes (63%). It is possible that the observed phenomena are evidence that space and time are included in the organization of psychological processes that change in Kozyrev's spatio-temporal continuum.

In July 1990, during a solar eclipse which was visible only in the high latitudes, near the parallel with no time motion, an experiment was conducted to estimate distant-figurative interactions under Solar eclipse conditions (N.A. Kozyrev, 1991). According to N.A. Kozyrev's hypothesis, during an eclipse, the Moon decreases the density of the temporal flows emitted by the Sun, and if the temporal participates in their realization that may influence distant-figurative interactional effects as well as other weak ecological informational connections. And that was to be verified experimentally. Table 4 shows the dynamics of the received-figures number, in dependence upon the correlations of cause-effect sun-planetary system "the Sun - the Earth - the Moon", including one of the culminating moments - the Solar eclipse. The difference in the level of distant-figurative reception in the two groups of receiving operators seems to be extraordinarily important: the percentage of correct figures received by those examinees born during the new and the full Moon is higher in comparison with those, not born in new and full Moon's periods. During the Sun's eclipse and the possible changes of temporal flow density, the effectiveness of figure informational reception by persons born during the Moon's key phases was 5 times higher than in the control group. The role of the spatio-temporal continuum in distant-informative interactions directed at maintaining planetary-biospheric homeostasis, becomes

evident. Because of the special astrogeophysical conditions, the Earth Polar regions can be regarded as the original collectors of the Biosphere and informational field with steady flows of Living Matter and information going through them. V.I.Vernadsky used to say that the "Biosphere can not be understood through its phenomena, if its distinctly projecting relation with the structure of the whole spatial mechanism is missed".

In the energy- time world, the planet's Living Matter defines the Biosphere's special role. Life on the Earth is a cosmogonic phenomenon of informational exchange in the spatio-temporal flows of the Universe.

**Table 3.** Comparative estimates of a one minute interval (in seconds) by the examinees in the Far North under usual conditions (I), in the control space (II), and in Kozyrev's Space (III).

Conditions	I			II			III			P
1	46	65.4	6.1	40	66.6	5.7	44	64.2	6.2	-
2	46	68.9	8.4	40	71.8	9.8	44	126	20.1	I,II-III < 0.05
3	46	62.3	7.2	40	68.2	6.9	44	76.4	5.5	-
P	-			-						1-2 < 0.01 2-3 < 0.05

1 - initial estimates of the time interval;

2 - interval estimates in the control (I), in the control space (II), in the experimental space (III);

3 - interval estimates in the control (I) and during the period of restoration(II,III).

**Table 4.** Comparative effectiveness of figurative information distant (100 m) reception in the Far North under usual conditions (I), and in Kozyrev's Space (II).

Date		May, 1991										Total
		4	6	7	8	10	11	15	18	20	21	
I	N transmitted	25	25	30	25	35	35	30	35	35	35	310
	N received	4	5	3	4	4	6	4	5	7	4	46
	%	16.0	20.0	10.0	16.0	11.4	17.1	13.3	14.2	20.0	11.4	14.8
II	N transmitted	25	25	30	25	35	35	30	35	35	35	310
	N received	10	20	19	13	16	36	19	16	35	31	214
	%	40.0	80.0	63.3	52.0	45.7	100	63.3	45.7	100	88.5	69.0

**Table 5.** Received figures number (% of transmitted figures number) while distant (100 m) information transmitting from Kozyrev's Space during the sun eclipse at high latitudes (July 22, 1990) and in the previous days.

Date		July, 1990																						
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Received figures number	I	18	0	8	0	0	10	8	0	0	19	11	9	8	13	17	16	16	17	19	12			
	II	11	12	20	11	13	13	13	10	20	12	17	20	21	23	21	30	30	35	91	30			

1. The daily transmission program consisted of 36 figures.
2. Simultaneous work of two groups, each consisting of seven operators.

3. Situated in Dikson, like the transmission point: I - persons born out of new and full moon periods; II - persons born during new and full moon.

Year	Month	Day	Time	Category
1912	1	1	12:00	I
1912	1	15	12:00	I
1912	1	30	12:00	I
1912	7	1	12:00	II
1912	7	15	12:00	II
1912	7	30	12:00	II
1913	1	1	12:00	I
1913	1	15	12:00	I
1913	1	30	12:00	I
1913	7	1	12:00	II
1913	7	15	12:00	II
1913	7	30	12:00	II

The data presented in the table above shows the results of the investigation of the transmission point in Dikson. It is seen that the transmission point is situated in Dikson, like the transmission point: I - persons born out of new and full moon periods; II - persons born during new and full moon.

Year	Month	Day	Time	Category
1914	1	1	12:00	I
1914	1	15	12:00	I
1914	1	30	12:00	I
1914	7	1	12:00	II
1914	7	15	12:00	II
1914	7	30	12:00	II

The data presented in the table above shows the results of the investigation of the transmission point in Dikson. It is seen that the transmission point is situated in Dikson, like the transmission point: I - persons born out of new and full moon periods; II - persons born during new and full moon.

# **THE "AURORA BOREALIS" GLOBAL EXPERIMENT ON INVESTIGATION OF DISTANT-INFORMATIONAL INTERACTIONS IN THE NOOSPHERE AND THEIR ROLE IN THE PLANET-BIOSPHERIC HOMEOSTASIS OF THE EARTH.**

3 basic aims were set before the reserchers:

1. to identify the role of the Polar regions of the Earth in distant communication mechanisms and in the control of the living matter field flow;
2. to identify the role of heliogeophysical medium in the stable functioning of distant interaction channels;
3. to identify the role of special devices (hypomagnetic chamber, Kosyrev's plant) for increasing distant interaction efficiency; 4. to identify the role of satellite telecommunicative systems simulating distant interconnective processes on the scale of the cosmoplanetary hologram of the Earth.

## **The technique of the global Experiment.**

For the further investigation of distant interactions a group of scientists (Kaznacheev V., Vatolin G., Trofimov A., Belan I.) developed a multichannel detector device which is a complex consisting of a bioindicator, a magnetometer, a computer and a few voltmeters.

On the basis of an expert program, the computer makes it possible to determine the integral function and the time of the operators distant action on a bioindicator target, using a multilevel mathematical filter. Meanwhile, the com-

puter system fixed the direction of the operator's action on the stabilization or destabilization of calculating the integral function at a distance of a few thousand kilometers.

During the experiment, the bioindicational computer system was placed into an isolated (without people) room, with the operating regime of the Scientific Research Center outside the Novosibirsk industrial zone, for one hour.

All the viewers were given a unique opportunity to act positively on the bioindicators located in Novosibirsk, having the image-target before their eyes: to fix the exact time of their participation in the experiment and to send it with their date of birth to the Research Center.

The experiment was divided into 3 stages.

The 1st stage - regional (middle latitudes). It was realized with the help of the technical means of Novosibirsk television on November 28, 1990. At this stage the bioindicational computer system was located in a zone of stable telesignal reception. Information was received from 623 persons.

The 2nd stage - global. The technical means of Central television in Moscow and satellite repeaters were used. The experimental program was broadcast successively to the different temporal zones over the whole territory of the CIS (Commonwealth of Independent States)

The bioindicational computer system was chiefly placed outside the zone of telesignal reception under the simultaneous informational action of several thousand people from the various heliographical points of the country. Taking into account the Great Space and Christian cycles, the experiment was started before Catholic Christmas (December 24). Information was collected from 2547 viewers (126 inhabited places).

The 3d stage - regional (high latitudes). It was realized with the help of the technical facilities of Dikson settlement television during 7 days (December 29-January 7), including Christian Christmas. The bioindicational computer system was located at a distance of 2500 km from the place of the telesession broadcasting in which 43 persons took part.

During the 2d the 3d stages of the Global Experiment the above-described technique of distant interaction evaluation according to the scheme "a man-bioobject in the Noosphere" was used together with the distant connection

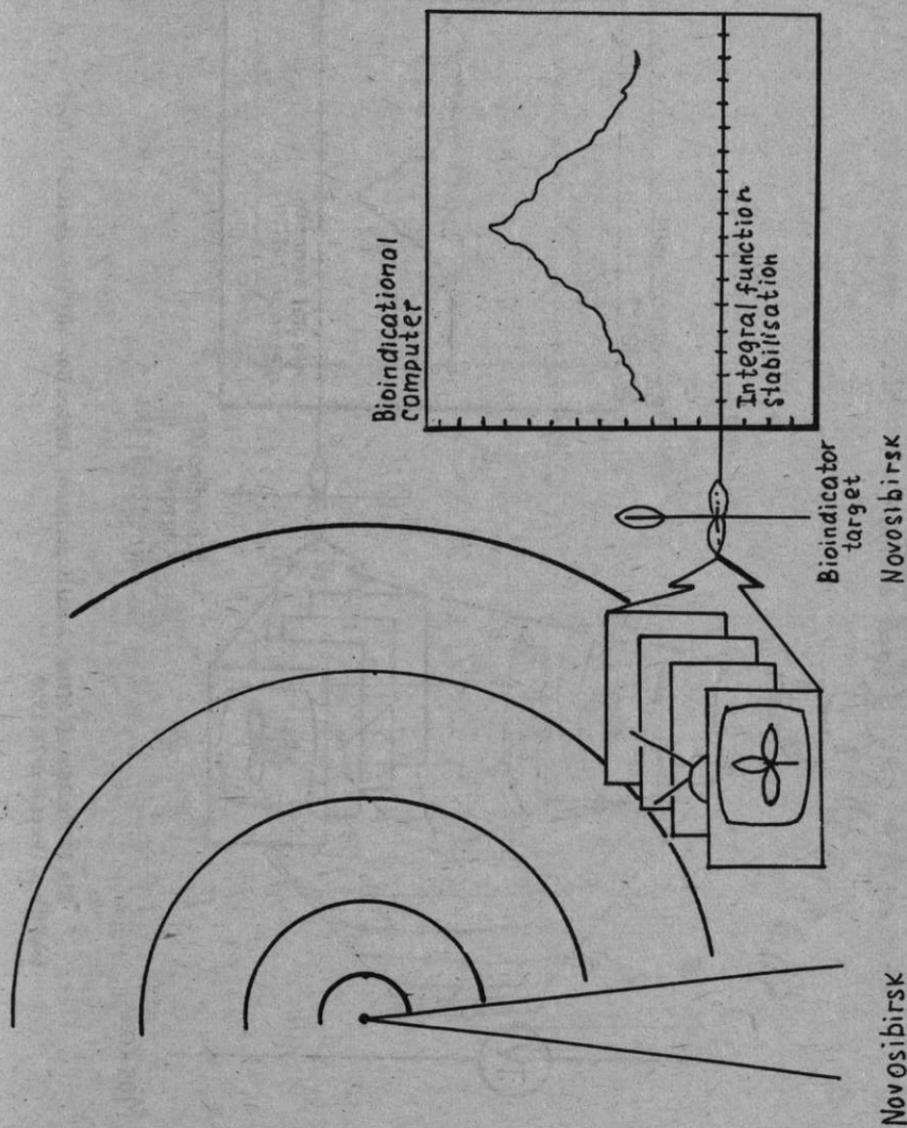


Fig. 31 The 1st stage of the Global Experiment "Aurora Borealis" (broadcasted by Novosibirsk television, November 28, 1990).

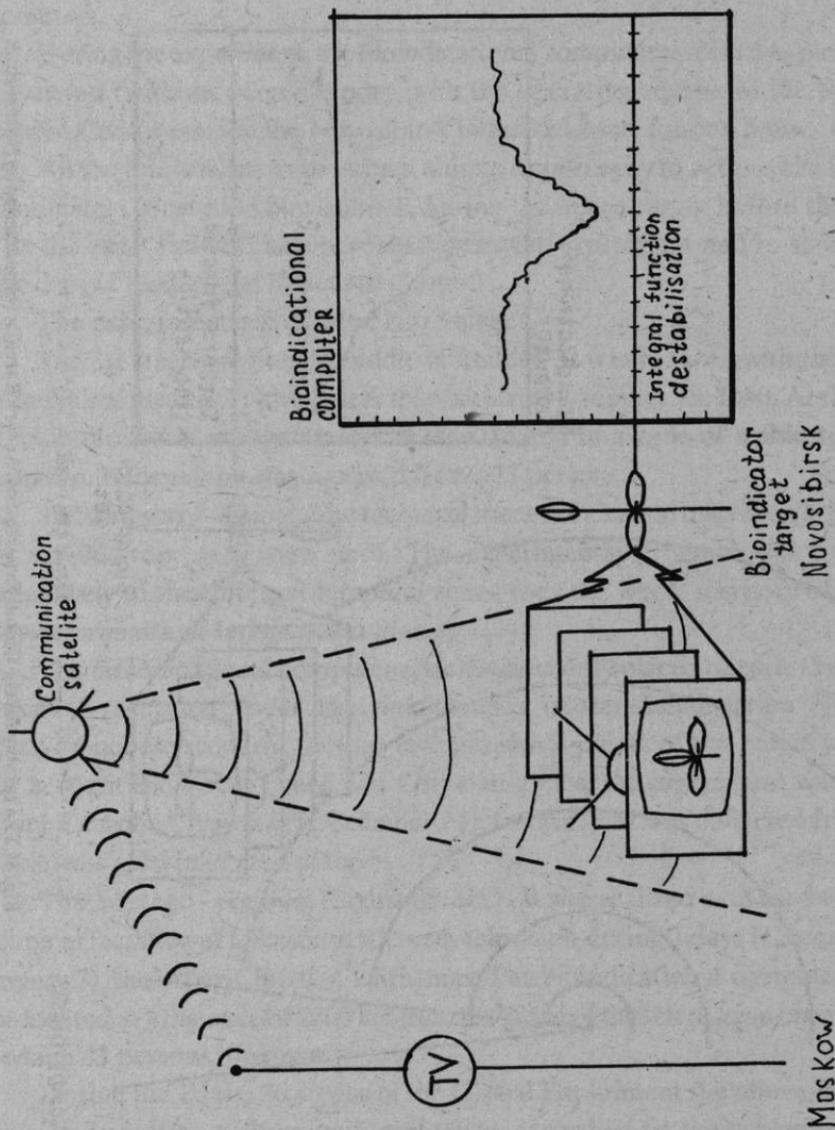


Fig. 32 The 2d stage of the Global Experiment "Aurora Borealis" (broadcasted by the Central television, December 24, 1990).

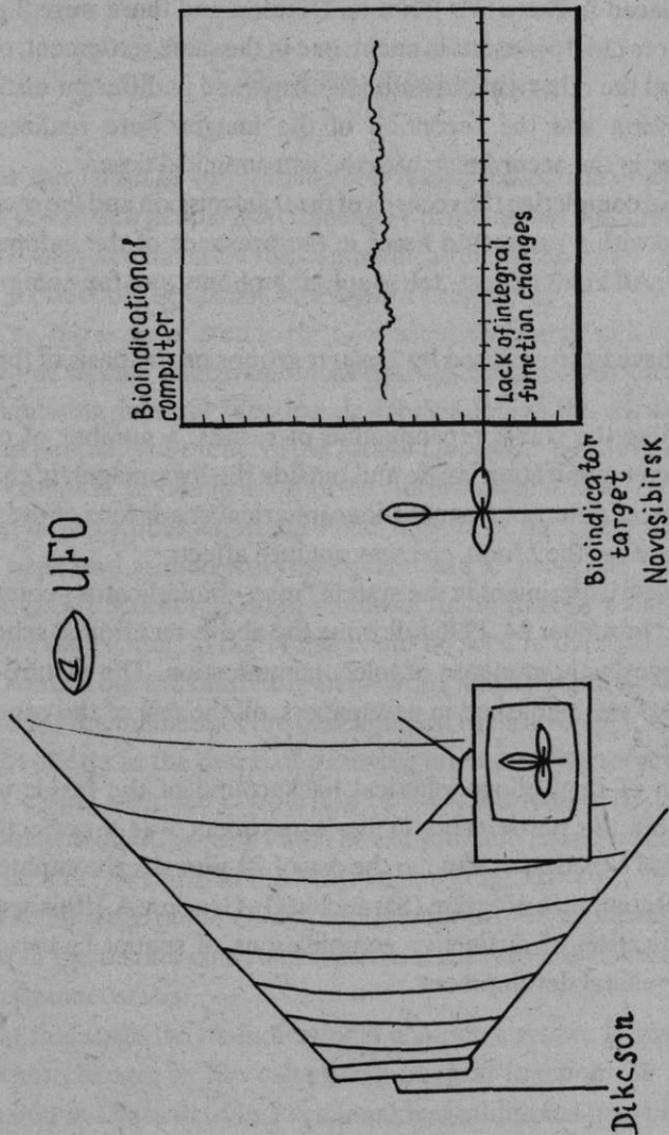


Fig. 33 The 3d stage of the Global Experiment "Aurora Borealis" (broadcasted by Dickson television, December 29, 1990 - January 7, 1991).

channel (the system "Man-Man") in which the operator transmitting image information was placed in Kozyrev's Plant on Dikson and there were 2 groups of receiving operators (14-16 persons in each): one in the same settlement, outside Kozyrev's plant, and the other - in Novosibirsk, dispersed in different districts.

The transmission and the reception of the images were realized in a synchronous regime in the accordance with the astronomical time.

The moment of completing the records of the transmission and the reception was fixed by Video with a connected timer in the presence of the independent expert commission. All kinds of post-, telegraph-, telephone- and fax-communication were lacking.

The records have been assessed by 2 expert groups on the basis of the same technique.

For determining the stable reproduction of results, a number of control sessions of distant communication inside and outside the hypomagnetic chamber and Kozyrev's Plant, at different magneto-ionospheric conditions of the Earth, at the different phases of the Moon, etc. was put into effect.

A special control experiment in the system "man - bioindicator - computer" was carried out on November 24, 1990 following the above-mentioned scheme of the 1st and 2nd stages without means of telecommunication. The picture of the "bioindicator-target" was published in newspapers, all the rest of the conditions remained identical.

The evaluation of the heliogeophysical background of the inside-uterine process period of all the participants in the experiment was a perfectly new method in the Global experiment. Due to the use of 70-year deep computer data base and an original computer program (Saranchin O., Grachev A.), this evaluation permits the identification of distinctive combinations of spatial factors in the critical period of prenatal development.

## Result. Discussion.

At the 1st stage the stabilization registered on the computer was marked when a few dozen people simultaneously acted on the "bioindicator-target" over distance using the means of telecommunication. In the series (without television), the total effect of the distant action wasn't registered.

The 2nd stage related to the Global experiment, which was carried out with the help of satellite telecommunicational systems, showed the common effect of the calculating integral function destabilization at the distant action of a few hundred people. The events of the 24th of December can be considered as a result of the common destabilization of the informational field of the Earth. On the evening of December 24, in the Polar regions of the Earth a special field of the forces appeared around Kozyrev's plant, and a "plasmoid" burst was registered in it. (Fig. 34) Moreover, an the unusual light effect in a shape of a disk with a luminous tail moving to the North could be seen in the Polar sky. An especially bright Aurora borealis and extremely strong magnetospherical disturbances were observed at the moment of the development of the events. It should be noted that the light effects in the shape of a moving luminous disk totally coincided in time (5 in 7 cases) with the conducting of the experiments on distant-image communication using Kozyrev's Plant, being, probably, trace reaction of the informational field of the Earth in the Polar region (Fig. 35).

The 3d stage of the Global experiment proved the special role of the Polar regions in the distant communication mechanisms for maintaining planet - biospherical homeostasis.

At this stage the bioindicational computer system in Novosibirsk didn't fix significant changes in the calculating integral function. 22 participants of the telesession in Dikson (4 in 7 sessions) had additional non-broadcast images on the screens of their TVsets.

At the beginning of the 3d period of the Global experiment (Dec. 29), the image information transmitted by the operators on Dikson Island was not



Fig. 36 The distant-image interaction Dickson-Novosibirsk.

I - the number of similar images during distant interaction in regime: transmission-reception

II - the number of similar images during distant interaction in regime: perception without transmission.

received in Novosibirsk. Before the end of the 3d stage, the informational channel "Dickson-Novosibirsk" was engaged with information (spatial symbols mainly) which was not transmitted by the organizers of the experiment but which was received in both the groups on Dickson Island and in Novosibirsk (Fig.36).

The role of the heliogeophysical background in the realization of global distant informational interactions was clarified. It was shown that the combination of heliogeophysical factors in the critical periods of prenatal life determines the individual's ability for distant interactions. Also, separate group density in the population is part of the mechanism for maintaining the planet-biospherical homeostasis, on the level of weak ecological connections. It was shown that satellite telecommunicational systems, as well as the methods of bioindication and the evaluation of distant-image interaction, in many aspects depend on the heliogeophysical conditions in the places of the transmission and reception, and

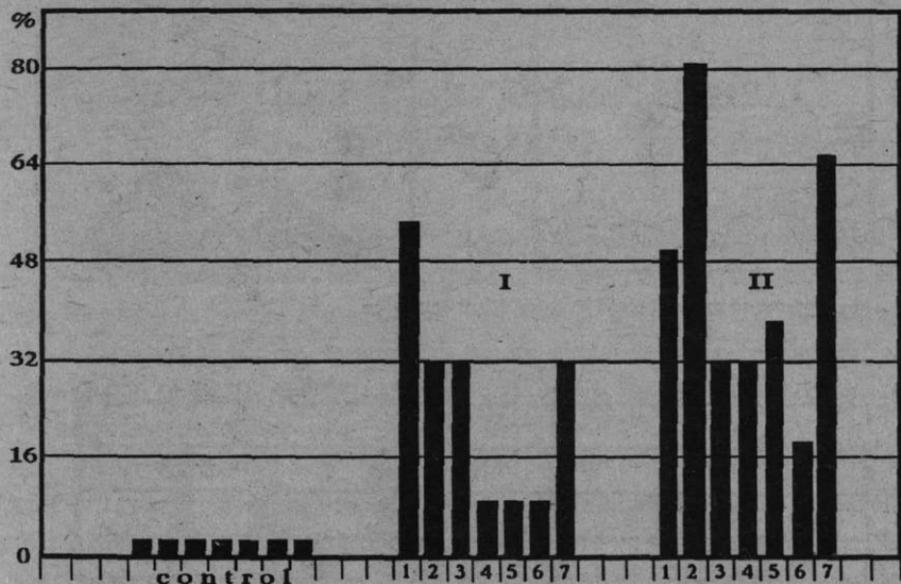


Fig. 37 The space-time characteristics of persons who are located in Kozyrev's Mirrors.

I - subjective status of people under the test 25 December, 1990

II - the status of the control group 18-23 January, 1991

Perceptions: 1 - the present of an observer; 2 - visual effects; 3 - audio effects; 4 - thereconstruction of the past; 5 - the change of geometry of body; 6 - the change of memory and thinking; 7 - the image-symbolical perception

special devices (hypomagnetic chamber and Kozyrev's Plant) can be used when simulating global distant communication systems on the scale of a planet-space hologram of the Earth. It can be supposed that field form prevails in Living Matter in some conditions; ecological connection limits are greatly extended, and the organism functions as a unit of an unbounded cosmoplanetary medium with new properties. This unique possibility is evidently given by Kosyrev's Mirrors, opening a new world of symbolic-image perception with an unknown gamma of subjective sensations (Fig. 37).

Fig. 38 - images which appeared in mirrors and were noticed by Oleg I., one of the researchers. The hypnotical reconstruction of the events of December 25 proved that Kosyrev's world is a real existing world that requires new research

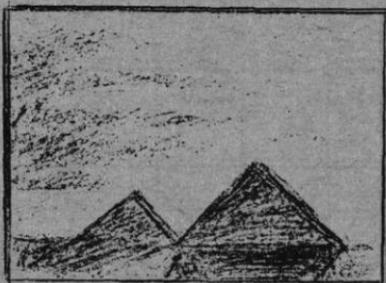
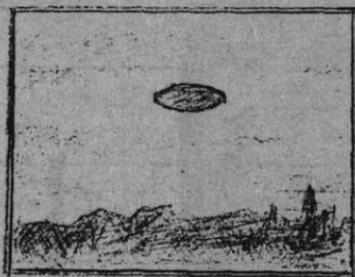


Fig. 38 Images were received in Kozirevis mirrors.

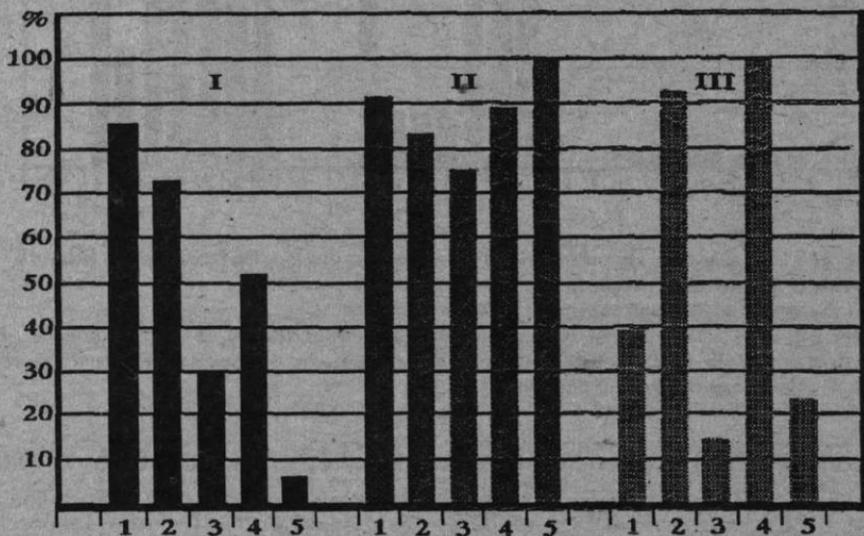


Fig. 39 The symbolical-image perception of the world in Kozyrev's Space.

I - the hypnotical reconstruction of the events, 24-25 December, 1990 (n=13, 33 efforts)

II - control group out of hypnosis, January, 1991 (n=8, 28 descriptions)

III - the percentage of similar variants of perception (comparison of I and II)

The variants of perception: 1 - light stream; 2 - the luminous object; 3 - rotation; 4 - the contact in "thought-image" type; 5 - the contact "silhouette-glance" type.

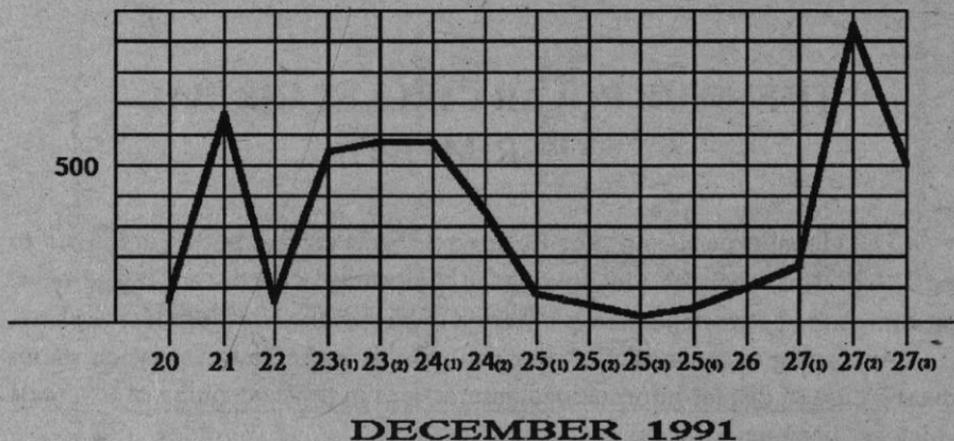
methods. (Fig. 39). The records applied in Supplement 1 surely make the sceptics believe.

## THE "THE POLAR CIRCLE" GLOBAL EXPERIMENT.

The global experiment "The Polar circle" was carried out from the 9th to the 27th of December, 1991 for studying the conformity of the distant-image-bearing interaction between persons in different regions of the Northern Hemisphere.

According to the available information, this is the first-ever synchronous investigation of distant-informational interactions in the Noosphere of this scale which has been undertaken.

In 10 seances of distant-image-bearing communication, up to 1287 persons living in 724 settlements of 15 countries took part simultaneously. The age of the participants of different ethnic origins ranged from 3 up to 72 years. Among many other problems, we were interested in the peculiarity of early childhood creation, as well as the measure of compatibility of the child's intellectual field with the informational field of the Earth at the time of receiving image-bearing information. The transmitting of the images was performed for 5 minutes to different, "competing for receiving" programs from the trans-polar settlement on Dikson Island located above latitude 73 North. One of the received programs from each seance was realized from Kozyrev's Space using special systematic methods, others were from the control space outside of N.A. Kozyrev's installation and still others were realized on a videofilm record through the local teleether channel. We have approved a number of the new systematical methods in distant-image-bearing transmission: the He-Ne laser beam, directed at certain points on the vault of the polar sky, which works through the interaction between the Cosmos and Man, and some crystallic structures from within the Earth, such as minerals including rauch-topaz, marion, black rock crystal, amethyst, jasper and also Cosmos wanderers meteorites. Our expedition had a specimen of the Sikhote-Alin meteorite, which met with the Earth in 1947, amiably given by the Museum of the Institute of Geology and Geophysics in the Academy Station, Novosibirsk.



## DECEMBER 1991

**Fig.40 Magnetosphery situation (according to the horizontal amplitude which composes geomagnetic field  $b$ , nTl) in Dixson during the distant-image experiemet "The Polar circle".**

The magnetic- and ionospherical and meteorological conditions on the days of the seances were recorded regularly at the point of the transmission, the settlement on Dikcson Island. The most considerable amplitude of the magnetic distortions of the horizontal component of the geomagnetical field ( $H$ ) was observed at the time of the seances on the 21st, the 23rd, the 24th and also on the 27th of December, when amplitude was equal to 990 nTl (Fig.40). From the 20th up to the 24th of December, a snowstorm with wind of up to 25 m/s raged over Dikcson. The snow element subsided only on Christmas night, December 25. And on December 27, one observed a different atmospherical phenomenon over Dikcson

Island: Northern Lights of especial force and brightness in the form of a cupola, formed from the playing of many-coloured, shining "arrows", lowering almost to the Earth, as if covering the polyclinic building where the experimental polygon of our Institute was located and where Kozyrev's Mirrors were mounted. This phenomenon was observed from 12:10 to 13:15, Moscow time, when the program's experimental work called "The creation and the spatial conscioussness" was performed in the Mirrors' Space. According to this program, a professional Dikcson painter V. Korolyov, while inside of Kozyrev's Mirrors,

made 3 works, painting the bright images appearing before him in the Mirrors' Space. The creation act, lasting more than 2 hours and completed at 10 o'clock, Moscow time, had the character of a dialogue with the conditional spatial consciousness. We have reproduced the painter's impressions in this book, and the world sees them for the first time.

The dialogue begun by V. Korolyov was continued with the participation of the persons not initiated into the experimental problem, in keeping with the conditions of the "blind" method. Since they were not professional artists, we proposed that each of them, make sketches while inside the space of Kozyrev's Mirrors for 10 minutes. Executing this task, they found strange Polar Lights. The free-will participants of the experiment experienced a number of fillings, which have been classified by us under points 7, 11, 12, 13, 14, 16 and 20 in Table 5 (see Supplement) as the paradoxical psychophysical states. The pictures' themes (we also have reproduced them in this book in the first time) reflected elements which opened their mysteries in some minutes to persons in Kozyrev's Space. It should be mentioned that at this moment the reliable electronics of a Japanese video-camera failed: we have videorecords of this fragment of the program "Creation and the spatial consciousness" with interference on the tape, not explained by the professional operators. Small steel objects which were in the Mirrors' Space at this time were magnetized. The magnetometers of Dikson Island's geophysical service fixed a sharp decrease of the vertical component (Z) and an increase of the amplitude of the horizontal component (H) of the magnetic field of the Earth from 160 to 990 nTl. At these hours, a strange natural phenomenon was observed by more than 100 inhabitants of this settlement. Correct scientific explanation of this phenomenon, as well as the completed conclusions about the complete global experiment "The Polar circle" must be given in future. At present (April, 1992) the material is at the stage of computer processing.

In the programs of transmission we used a peculiar "image bearing mecano" (Fig.48) consisting of 77 symbolical elements, reflecting the cultural-linguistic traditions of different peoples. According to the conditions of this experiment, the transmitted complex image was constructed on the basis of a random choice made 5 minutes before the seance. The method of transmission was chosen taking into account the "spatial prehistory" of the transmitting operator

person, using the computer program "Helios", developed in ICEM of The Russian Academy of Medical Sciences, Siberian Branch (authors are O. Saranchin and A. Grachyova). On the basis of the data based on the spatial situation of 7 parameters (solar and magnetic activity, radioemission of the Sun, sectorial structure of the interplanetary magnetic field, phase location of the Moon, and so on) the spatial situation taking place during the most important periods of the intrauterine development, including the periods of the formation of the most important section of the central nervous system, was reconstructed, after inputting into the computer data about the time and the place of birth. According to our data, the spatial situation of the prenatal period essentially acts on the effectiveness of the distant-image-bearing interaction between the persons. Taking into account the spatial parameters at different stages of the ontogenesis of the person-participant in distant-informational communication, we succeeded in producing reproducible results in these investigations.

The receiving part, represented by an extensive corps of persons with different levels of psychic abilities was required to fix the images perceived at the time of the seances and to describe in detail their state and the conditions in which they had been received. The first results of receiving image-bearing information in certain regions of the Northern Hemisphere are already known.

We were able to estimate the effectiveness of distant-informational interactions between persons over short distances (up to 3 km) from the place of transmitting, when there were identical helio-geophysical conditions at the points of transmitting and receiving. This was done with the participation of the alien population of the Far North.

A seance of image-bearing transmission from Kozyrev's Mirrors was recorded on videofilm and then telecast through the televisional ether. This televisional ether was used in five seances from the 20<sup>th</sup> to the 24<sup>th</sup> of Desember. The results of the receiving of the image information on Dikson Island are the following: the image-bearing information telecast on 12.20.91 was received correctly by 4 out of 10 persons sent the reports, on 12.21.91 - 7 out of 10, 12.22.91, 12.23.91 and 12.24.91 4 out of 18, 1 out of 10 and 5 out of 14, respectively.

Pay attention to the results of the televisional receiving of the image-bearing information in the family of painter Vladimir Vasilyevich Korolyov, where he, his



**Photo 17** Native people of Ust-Avam settlement (Taimyr) - Nganasans. Representatives of shaman family.

wife Ekaterina Ivanovna and his children (Natasha (12) and Jefim (5)) were united by the common field of love and creation, which, possibly, helped them to solve the problem of image-bearing receiving successfully (Figs. 49-51). We have given the reader the chance to be convinced of this. The comparative results of the experiment for two groups, the alien and native population of the Far North, turned out to be important. We expected to find a populational-tribal organism in the form of a family intellectual holographical "spot" with a complex composition of the specialized native inhabitants of the Taimyr Peninsula: Nganasans and Dolgans. The appearance of such "spots" was an important step in the cosmo-planetary evolution of the Earth. The verbal-semantic form of Intellect together with its personality formed with the appearance of words, mechanical, acoustic, and visual signs, and new structures of the spatial-temporal organization itself and of the surrounding Life. As personality forms, distant-informational intercommunications and telepathic contacts between persons become weaker. Continuing the series of comparative paleopsychological works on the Far North, in the framework of the experiment "the Polar Circle", we clarified what the

expressivity of the holographical and telepathical component is in the existing northern ethnoses and in which spheres these properties are displayed.

With hope of finding the answers to these questions, we went to the Taimyr settlement of Ust-Avam, one of the points of the global experiment (Photo 17). 56 persons from age 3 to 70 years old took part in the seances of distant-image-bearing communication in this settlement, which is populated predominantly by Nganasans and Dolgans. The picture, made at the time of the seances by the great-granddaughter of the famous shaman T.Axenova, who has never seen the mountains impresses (Fig.52). The mountain landscape was perceived at the time of the television seance, containing similar image-bearing information, but she was outside the zone receiving the TV signals: 400 km from Dikson city. 3 days after this receiving an identical image-bearing picture was perceived by Kozyrev's Mirror at the time of the unusual realization of the Polar Lights program "Creation and spatial consciousness". This is information for very serious meditation about relatedness in the informational field of the Earth. We are turned to similar meditation by the pictures by the Nganasans' children, created at the time of the seances of image-bearing transmissions. It is wonderful, as the perceived images from the transmission program are correctly inserted into the panorama of the usual although partly urbanized northern landscape. This is especially noticeable in the theme of housing: "chum" and "balock" (forms of northern housing) with the corresponding transmitted symbolical elements (No.t20 and No.t63 from the "image-bearing mecano"). (Fig.53). At the time of the seance the great-grandson of the shaman I. Kosterin perceived the panorama of the "Shamanstan", which was known to him from early childhood. The panorama contained the elements transmitted from Kozyrev's Mirror on Dikson Island at that moment.

The native inhabitants of the Taimyr Peninsula, Nganasans, have kept the ability to correctly perceive distant-casting image-bearing information. This ability is especially developed in the children and the members of the shaman clans.

In Kozyrev's Mirrors I felt the depth of the surrounding Cosmos, similar in look to water. Also, I felt lifting, as if a magnet attracted me upwards.

**Table 2.** Versions of the paradoxical psychophysical states at the time a person was in Kozyrev's Space for 10 minutes (Dikcson 1991).

No. Versions of tester's state and perceiving	Number of cases	% to the total number of experiments
1. Rotation of the body	178	78.1
2. Rotation of Kozyrev's Mirrors	72	31.6
3. Vibration of the body	56	24.6
4. Change of the body geometry	24	10.5
5. Split personality. Observation of the "double"	37	16.2
6. Observation of the episodes of his life	92	40.4
7. Observation of historical events with ethnographic details	69	30.3
8. Fear	78	34.2
9. Vegetative reactions	45	19.7
10. Harmony	51	22.4
11. Passing through a tunnel	66	29.0
12. Flight	201	88.2
13. Exit into outer space	194	85.1
14. Observation of space bodies	183	80.3
15. Observation of UFOs	172	75.4
16. The presence of an "observer"	155	68.0
17. Active investigation of the intervention into personality	69	30.3
18. Appearing of extraterrestrial constructions	160	70.2
19. Observation of extraterrestrial constructions	38	16.7
20. Contact "thought - image"	127	55.7
21. Symbolic information	187	82.0

22.Contact "thought-voice"	29	12.7
23.Change of time feeling	196	86.0

\* The total number of experimental entries into Kozyrev's Space is 228.

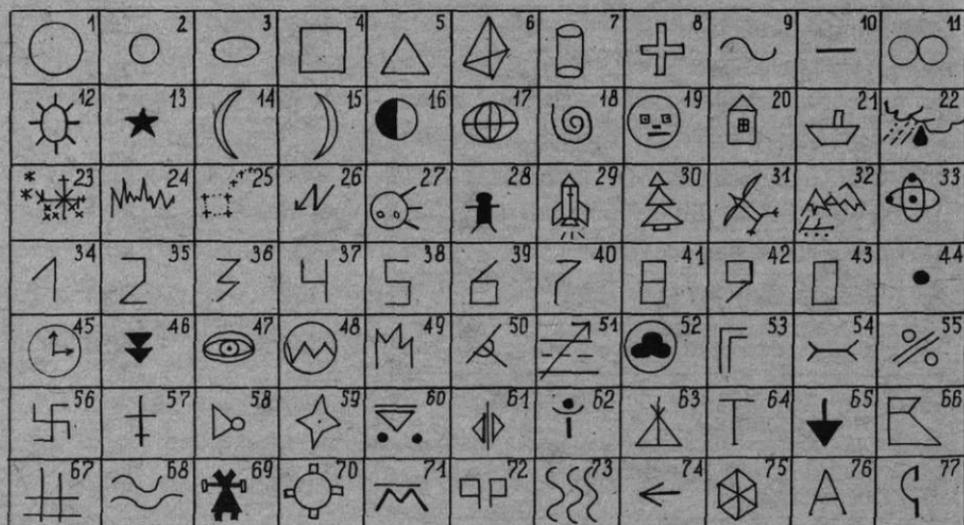


Fig. 48. Image-symbolic "constructor", which was used at distaut-image transmissions in "The Polar circle" experiment.

## CONCLUSION

The motion of Intellect in scientific thought isn't spontaneous. Man's desire for perception, for discovering something new, and for developing it, is just human nature. In historical fields, the motion of scientific thought is determined by personalities, individual features of human dissatisfaction, the quest for oneself in the world. These individuals, as a rule, are shunned (at least their ideas), because they don't blend with the dominant scientific "belief". Time passes and the basis of the next wave of scientific knowledge is caused by these ideas.

The stream seethes in the vaster scope of the common motion of culture, religion and social horizons.

The generalized collective experience of science is only a part of the common culture-ethical motion. The world of the unexplored contains old, but unacknowledged, and new fields of modern science. Today these fields require mastering. Intellectual yield from these fields, perhaps, will be one of the key effects of the natural cosmoplanetary force in the survival of humanity.

We are convinced of the necessity to single out the problems of New cosmogony into a priority field of modern natural sciences. It is a space of unknown, towards which it is necessary to turn the motion of the scientific sources of joint Intellect.

It is necessary to accept the possibility of a plurality of Living Matter's forms in the Universe, their interaction and adaptation on the Earth. Mankind is the Intellect, the process of such an interaction in real geocosmogony.

## MEMORANDUM

### On Organizing the "New Cosmogony" International Center.

An international center and "New Cosmogony" program are needed.

1. As we are becoming aware of the role of economic, political and socio-cultural mechanisms in the evolution of the Living Substance, we are beginning to understand that the survival of humanity depends on a natural-planetary way of development and interrelation with the environment.

The evolution of the Biosphere and Man continue; we can see new mechanisms arise, being limited not only by genetic factors, but by weak ecological links.

However, most knowledge in modern science is represented by data about unliving matter; Man is still kept away from understanding his true Matter.

There is a growing awareness of the fact that economic, political and sociocultural mechanisms are gradually becoming tools of the evolution.

With this awareness, it is becoming increasingly apparent that humanity, will survive, provided that this tool complies with the natural-planetary course of the events.

Researches into the nature of living matter and man call for a new approach creating a oneness of scientific approaches in which precise knowledge is combined with theosophy and theology, and where language as a means of expressing the ideas of natural phenomena proves to be just a facet of this approach.

Obviously, to know himself man goes beyond, rises to new semantic horizons.

To provide an approach to this, a world-wide interdisciplinary union on a postclassic platform for studying nature is needed.

It is of importance to consider living matter with all its flows and forms interacting with the nonliving and undergoing complex interactions in the process.

New cosmogony may be the new platform of natural science.

It asserts that the interminable forms of living matter are the most consequential event of cosmoplanetary evolution, are a cosmogonic phenomenon of information exchanges in the spatial-temporal flows of space. It also asserts that the human intellect is the unique product and property of the universe and the most important field component of human populations, this is the subject matter of New Cosmogony.

2.. The prospective researches of the Feizer Institute, the Center for Frontier Sciences at Temple University, the International Association for New Science and others have got new data about macro- and microcosmos; scientific bases for studying living matter and man as the subjects of "New Cosmogony" have been set.

The major contributions of the Institute of Clinical and Experimental Medicine may be summarized as follows: the demonstration of the role of photon flows of solar radiation in the regulation of biochemical and physical processes; the establishment of the phenomena of intercellular communications; heliogeophysical manifestation as intrauterine imprinting of the effects of the Cosmic environment on the human organism; support for the role of the Earth's magnetic field in the regulation of vital functions obtained with the use of hypogeomagnetic instrumentation; demonstration of the importance of heliogeographical factors in remote energy-informational interactions between cells and humans; definitive evidence for the specific role of the polar regions in the Earth's biosphere; and under conditions of the Far North, modelling of the multidimensional spatial-temporal environment where man's image building symbolic perception of the world is particularly manifest.

The combined use of research facilities such as hypogeomagnetic devices, lasers, and systems reflecting rarities in cosmic flows (according to Kosyrev) would promote the development of new concepts of time and space in nonclassical relativistic mechanics and, in particular, the human mind in spatial-temporal terms.

This offers the promise of the study of intellectual biospherical compositions determined by different cosmoplanetary cycles.

This study would be carried out at at the same time in different localities in the world.

The investigation of planetary - biosphere homeostasis would call for revision in scientific teachings towards strong ecological relationships and remote informational interactions.

3. We invite all those informed about our objectives to discuss the project of the international Center and "New Cosmogony" program at a meeting to be helped in Novosibirsk at the end of August in 1992.

It is suggested, to discuss the following topics.

1. Astrophysical conditions for stable reproduction of remote informational interactions in the biosphere.

2. Programs, methods and means for the interdisciplinary study of mechanisms of remote-informational interactions. The objectives are to apply this knowledge to medicine, biology and agriculture.

3. Population and individual means of protecting man from weak ecological and field factors.

These topics will be discussed within the framework of the following theoretical problems.

1. Philosophical concepts of "Old and "New" Cosmogony."

2. Human intellect as the product and property of the universe and a subject of "New Cosmogony".

3. Cosmoplanetary phenomenon of living matter and the problem of human survival.

4. The problems of education in the development of a cosmic outlook in the present and future generation.

5. Phenomenon of heliogeophysical "imprinting" of some cosmic effects on the human organism during the embryonic period of development.

Applications are invited from all those who may consider our suggestions timely and of interest.

It is requested that you return the field application form at your earliest convenience.

Please forward relevant materials including your suggestions, because it is essential that the future participants exchange their opinions prior to the meeting scheduled for Novosibirsk.

Cosmoplanetary factors are inalienable from the spiritual and cultural heritage of humanity.

Through selfknowledge, people are sensing more and more that they are parts of a cosmic entity.

Cosmogonic assignment of the Earth's civilization is the major problem of nature study and the new scientific program; it is the critical region of the human intellect.

The survival of man as a part of the universe very much depends on how problems pertaining to its own nature are resolved.

With the development of a survival strategy, people coming from different countries will meet to explore new frontiers and amalgamate science, religion and culture. It is hoped that a new phase of cosmoplanetary history may start from a global union of minds based on an extensive international program, the "New cosmogony" project.

Coordinator of the project - V. Kaznacheyev.

Director of the Institute of Clinical and Experimental Medicine

Acad. Timakov st. 2

Novosibirsk: 630117

Russia

Fax: (3832) - 32-01-31

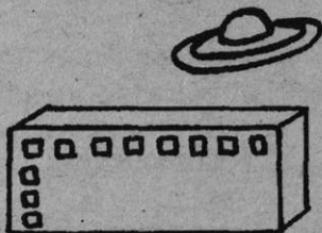
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## SUPPLEMENT I

### CERTIFICATES

#### of the experimental works on appraising distant-image interactions on the Far North.

The certificates contain descriptions (illustrated by the authors' drawings), made by the voluntary participants (testers) in the experiment with N.A. Kozyrev's installation (photo 1), on Dickson in December 1990, in January, April and in March 1991.



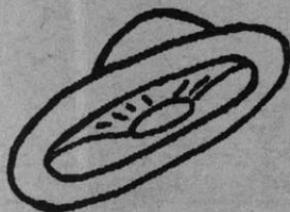
26.12.90. 13-45 Msc. UFO over Dickson settlement (according to the description of the eyewitness - inhabitant of Dickson A.A.)



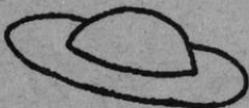
"These are us" (according to description of the tester M.V., during the hypnotic restoration of the events 25.12.90)



"The banner of Peace" - N. Rerih's sign initiated the events 25.12.90, with the participants M.V. and K.Sh.



bottom view



top view



general view

the description of the flying object over Dickson on the 25th of December 1990, made by an eyewitness - an inhabitant of Dickson A.A.

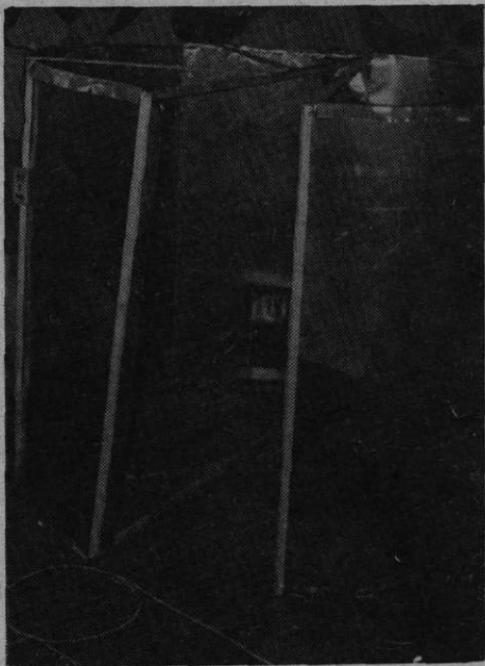


Photo 1 The expeditionary variant of Kozyrev's Mirrors, Dickson, the place of events, December, 1990.



12.05.91 8-00 Mos.T.



12.05.91 9-00 Mos.T.



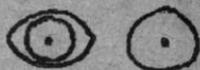
12.05.91 10-00 Mos.T.



12.05.91 11-00 Mos.T.



12.05.91 12-00 Mos.T.



12.05.91 13-00 Mos.T.



12.05.91 14-00 Mos.T.



12.05.91 15-00 Mos.T.

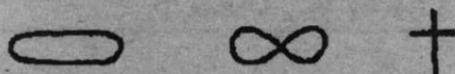


12.05.91 16-00 Mos.T.

Identical rows of images, perceived at different times in Kozyrev's Mirrors by different participants of the experiment.

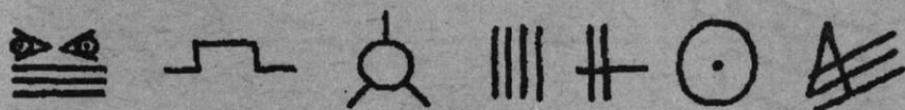


V.U. 2.05.91 8-10 Mos.T.



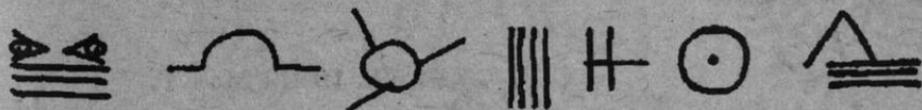
I.D. 2.05.91 8-12 Mos.T.

Z.K.



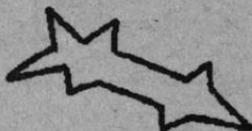
K.Sh. 2.05.91 13-15 Mos.T.

Z.K.



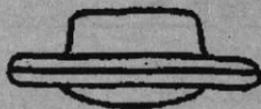
M.V. 2.05.91 13-15 Mos.T.

Parallel reception of identical images by two testers in Kozyrev's Mirrors.



S.Sh. 20.01.91. 18-40 Mos.T.

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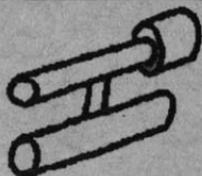
S.Sh. 23.01.91. 8-15 Mos.T.

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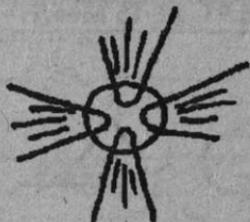
O.M. 21.01.91. 19-15 Mos.T.

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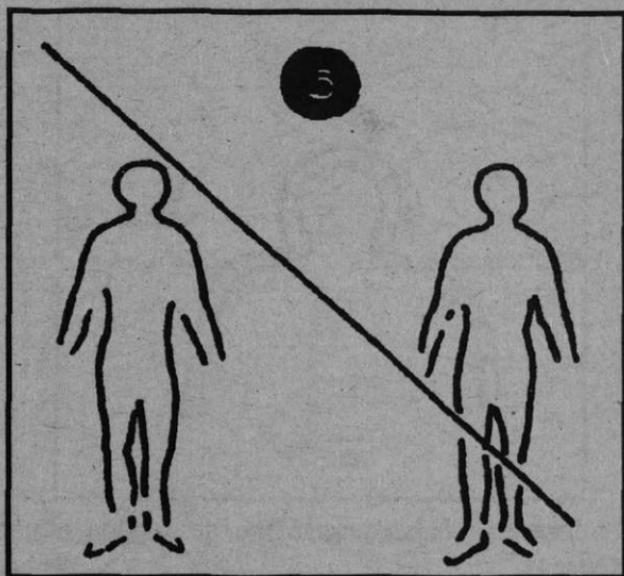
O.P. 10.01.91. 18-00 Mos.T.

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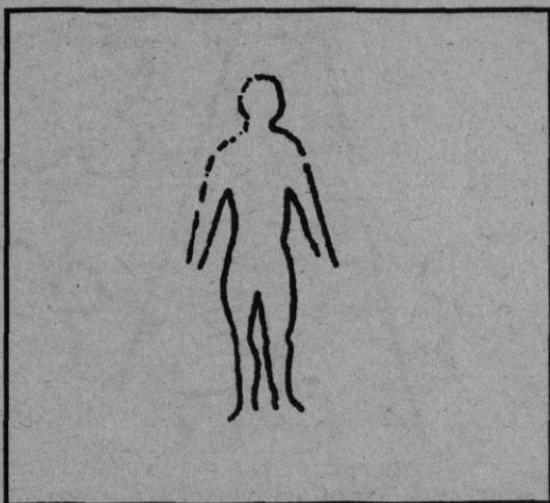


O.P. 12.01.91. 19-00 Mos.T.

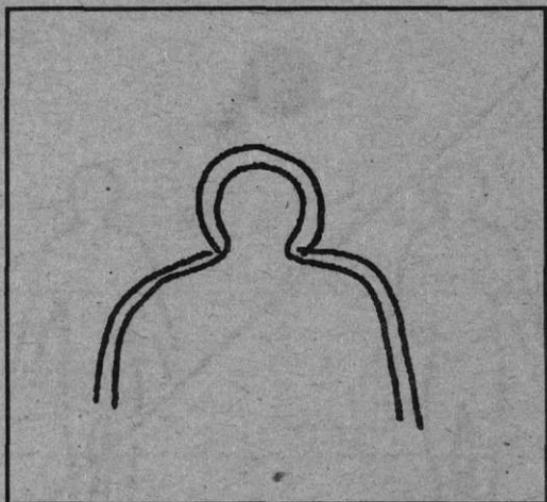
Visual images of different flying objects, perceived by testers in Kozyrev's Mirrors.



“Good morning, it is me” (according to the description of the tester S.Sh.  
18.01.91 10-30 Msc).

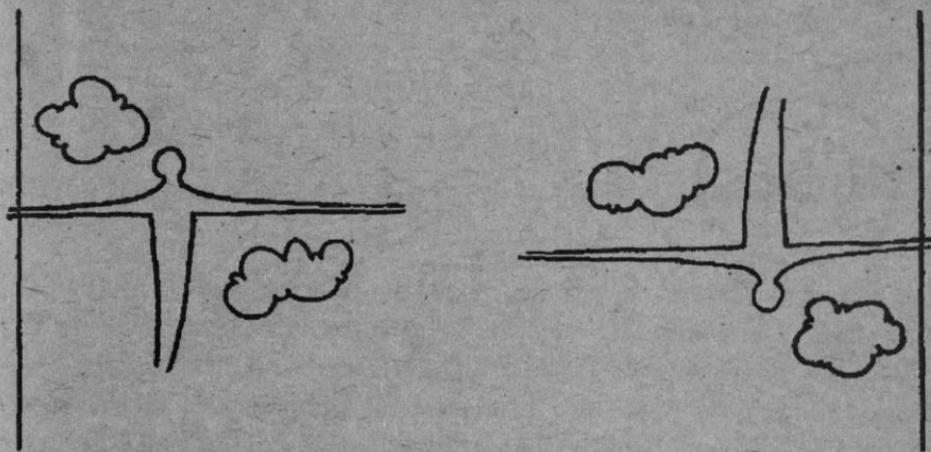


“A White Stranger” (according to the description of the tester S.Sh.  
19.01.91. 17-05 Msc)

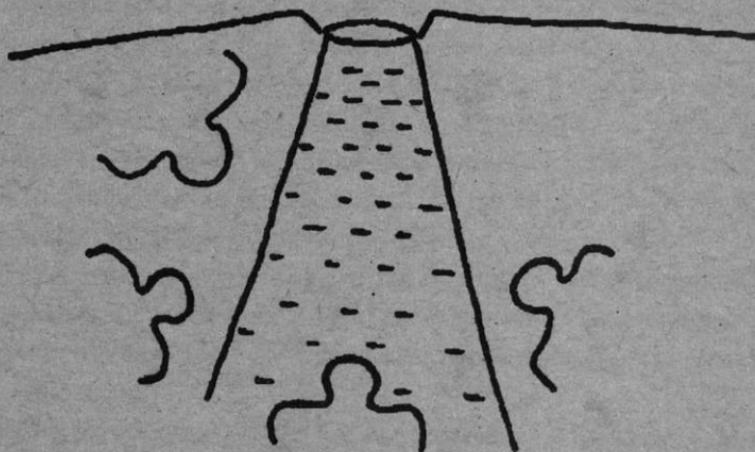


"A White Stranger" (according to the description of the tester O.P.  
20.01.91, 19-05 Msc)

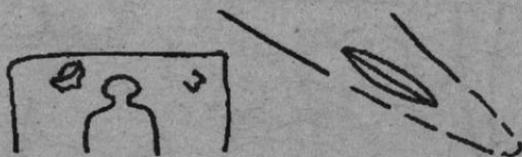
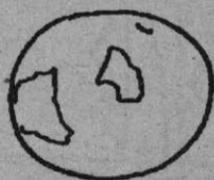
Series of "meetings" in Kozyrev's Mirrors, according to the testers' description.



Guests from space - I (according to the description of the tester O.P  
16.01.91. 15-35 Msc)



Guests from space - II (according to the description of the tester O.P.  
21.01.91. 20-00 Msc)



Guests from space - III (according to the description of the tester O.P.  
22.01.91. 6-03 Msc)

Series of "meetings in Kozyrev's Mirrors according to the tester's description.

## THE RECORDS

### of the Experiments in Kozyrev's Space. January, 1991.

**18.01.91.** Being inside Kozyrev's Space, at first I felt my body shaking to and fro. Later I felt pressure from all around and my head grew heavy. Later this feeling went. And I felt so light. Then it was like "I was coming out of myself". "He went to the left, turned his right side to me and finally faced me up. I could see him all round and I was sure it was "another me". In approximately a minute I saw a white stain. The stain crossed the ray and flew inside of me (left side) I felt a heavy blow then all of it went. Then I saw a pink and black ball. It was here and there. Finally the ball disappeared and it went back, the darkness all went down, turning into the same black and pink ball in the center which I'd seen.

**19.01.91.** Being inside Kozyrev's Space, at first I felt nothing at all. In a few minutes I saw a human shape. It was white all over. In 30 seconds it was gone. And I saw a thing shaped like a cone. It was there for a minute and went.

**20.01.91.** Inside Kozyrev's Space, at first I felt my head grow heavy. It was also shaking a bit. In a minute I saw a kind of "H-mushroom". Then it was gone. In 3-1 minutes I saw people's faces flickering in my eyes. Then I saw black clouds, yellow and green lightening, and then it was like falling through a black hole. I saw a ship fly beside me. It was black, flickering white at times.

**21.01.91.** Inside Kozyrev's Space for 5 minutes, I saw myself at age 5 or something like that. "He" turned behind me in a second. His clothes were unusual except the shoes which I still remember since I was a kid. Just before that I was shivering with cold...

**22.01.91.** Inside Kozyrev's Space for 2 minutes. I felt like I was flying on my chair on different trajectory. Then I saw darkness floating from right to left forming a circle. After that a man turned up beside me. I saw his back. He was just my height. He remained there for 20 seconds and went.

**23.01.91.** I saw a "flying saucer" inside Kozyrev's Space. It was going down slowly. I saw it right. It was black with white windows. Later it was gone. In another 5 minutes I saw another saucer flying at me. Then it suddenly went up and went away. For the second time in Kozyrev's Space I saw a yellow ball with my eyes closed. It was going down. As it landed it broke in two and some flame went off. Later the two parts formed the ball again. It went up and went away.

**21.01.91.** At first in Kozyrev's Space it was like "waves" coming on my head and my ears were tight. In some time I could not feel my feet as if they were "made of air". For a moment I saw the "Symbol of the World". After that a tall man in a white suit turned slowly to me and went. There was a moment when sitting in the dark with my eyes closed, I felt a light pointed right at my eyes. I opened my eyes but the room was still dark. And as I closed my eyes the light was still there, waving on me. It went on for some time. And went. Everything went round slowly. It was like under the sea with all the fish and seaweed floating round. The longer I stayed between the mirrors, the easier it was. Then I saw a series of images. There was a moment when I heard breathing down on the floor. My body trembled a bit. But realizing that I was alone in the room, I relaxed.

**21.01.91.** Being in Kozyrev's Space, at first I felt the same "waves" coming on my head again. Then I felt like there was somebody else in the room. Any then there was a series of images. After that I felt like I was being reduced a lot and then I had that feeling several times.

**18.01.91.** In Kozyrev's Space, I felt isolated and right after that I pictured myself in Mongolia, where I lived in Ulan-Ude, a city surrounded by high mountains with a clear blue sky over my head. It lasted for about 3 minutes and then went. Finally I saw the Aurora Borealis.

**20.01.91.** In Kozyrev's Space, I pictured myself in a strange desert. The whole place was covered with red poppies. It lasted for a long time and then I saw the Earth against the dark sky with a bright white stain hanging under it. An object was parting from the stain.

**23.01.91.** Being in Kozyrev's Space, at first I was scared by something huge coming at me from both sides. Then I saw there were two armies approaching each other. Then it went and I saw an erupting volcano. I saw streams of lava coming down and a huge cloud of sulfur over it. The whole time I kept my eyes open. As

I closed my eyes, I wanted to sleep, but all of a sudden I felt somebody touching my hand. My body shivered with fear.

23.01.91. Being in Kozyrev's Space, at first I felt a kind of discomfort which then turned into fear. I felt I had something cold right on my neck. I had a feeling of somebody watching me so I was afraid to open my eyes. Then I felt my left hand fingers get pleasantly warm. It was like a dog licking them.

## **The Test of Dec. 25 1990. Hypnotic reconstruction.**

As soon as I got between Kozyrev's Mirrors, I "went out". There was a dark square with the sides firmly fixed under my head. It was just the square I pictured. Bright golden arrows were coming at this square from all sides. They looked like lightning. There were a lot of them. Some of them screwed into the dark mass of the square fading away; others would flash up, destroying the dark mass. There I got a message in my mind. It ran: "Beauty will save the world", repeated several times, and went down, fading away into the space right under my head. A huge bright golden ring appeared. It was rolling from left to right, increasing its speed. And getting smaller in the vortex, and it went down and left in the space. I felt like I was in the very center of the vortex, feeling the powerful movement of space going down off me. Suddenly the sky reappeared under my head but this time it was yellow - white - golden colours glimmering up there. Then the dark flashes turned up in the sky. They looked like fireworks; the flashes covered the sky aplenty. But every flash was destroyed by the arrows of lightening. Than all of it turned into a heavy rain. It changed from white-grey to light-yellow and golden shimmering. The rain's texture looked similar to that of the aurora borealis. The rain lasted for some time. Gradually, it faded away and finally went. All through the night and the next day, I had a feeling of fear that something could be wrong with me and the outer world. It was here and then went. Sometimes I did not care at all. I felt something had happened to me. I had a feeling there was something there inside of me. For sometime I felt that way. I'd never been like that before.

## **The U.F.O. above Dickson village during Experiments in the Kozyrev's Space. Dec.1990 - Jan.1991.**

**20.12.90. 16.30 (reg.time)** A U.F.O. was seen above Dickson village, Krasnoyarsk region, during the experiments in Kozyrev's Space. The object looked like a car light with the beam directed opposite the movement. It was going to the North-East high up at low speed. Then it changed to the East and was gone.

**21.12.90. 17-10 (reg.time)** During the experiments in Kozyrev's Space, a U.F.O. was seen going slowly North. It had four lights shining ahead the way it was going. Later the U.F.O. changed its course Westwards and then Southwards.

**26.12.90. 18.10-18.20 (reg.time)** During the experiments in Kozyrev's Space, a few people could see a shining object flying slowly Northwards. Beams were going out of it and its light was still seen for sometime after the U.F.O. had flown away. Later the object changed its course and "faded" away.

**7.01.91. 8.30-8.40 (reg.time)** Dickson village. A bright-yellow triangular object was seen. It was changing its shape from triangular to triangular semi oval. The quantity of radiated light was changing too.

**7.01.91. 8-40 (reg.time)** I saw half of a bright-yellow ball, South-east in the sky. I noticed the ball changing its colour. It turned brighter from time to time. Sometimes half of the ball got reduced to a quarter. At times it got covered with smoke.

In the morning of the 7th of January, 1991 I saw a shining object which turned from triangular to semi disc. The lower segment of it was lit up brightly. It probably radiated a light.

## THE JORNAL of Experiments in Kozyrev's Space.

**10.01.91. 00-00** Being between the Mirrors, I felt my head jerked and some radiation appeared. Then I was asked: "Who's that man with you?" I explained that he was a scientist experimenting with this. Then I asked them "Who are you?" No answer came. I asked them: "Can you be seen?" and saw human shapes which looked like a man and a woman...

**10.01.91. 21-30** It looked like the Mirrors were closing and everything was in a kind of fog. I felt my face muscles pumping. There was a sound in my ears. I saw a lot of small particles flying around me. I got scared. My body was trembling.

**11.01.91. 10-55** When I was between Mirrors I could feel a strong pulse in my body. Then I saw a green fog and three faces. They couldn't be described because of constant change. Then a tunnel burst out sparkling.

**12.01.91.** Near the Mirrors I saw three human shapes turn up inside Kozyrev's Mirrors, a ball radiating light out, a strange sign and a planet with three satellites. There were a whole lot of human faces in the intervals.

**13.01.91.** Being inside Kozyrev's Space, I saw a female face in a round frame. Then pictures came on fast. Placards with orbits. Sparkles turned to pictures. Then my body relaxed. I opened my eyes. It was like many people were staring me down. I closed my eyes and saw three faces. Then I saw the Galaxy and a black object with satellites orbiting round. There was a shining ball that moved flatly.

**13.01.91.** Daytime. Being inside Kozyrev's Space, I saw a desert. and a ball flying across. The sun was glittering in the blue sky. There was a kind of fog round the ball. There were some structures oriented in space. I saw triangular walls built with black and grey stones. They didn't look earth made. The walls didn't cast shadows.

**16.01.91. 19.35-20.05** Inside Kozyrev's Space, I felt a strong pulse in my body. That feeling lasted for a few minutes. Then I saw sparkles and human shapes. A

system turned up with a huge object in the center. I saw the shape of a "saucer" surrounded with glittering. I felt a mask on my face. My head and my neck were pressed. It felt like a beam went from my head. Then I moved into another surface. My hands moved like they were rolling something. I descended into the darkness. Then I saw a device with lights and an egg-shaped object. This ran in my mind: "Come up". I answered "I don't want to". I have a fear of you". Then it was gone.

**17.01.91. 5.30** I woke up, looked at my clock and got up. It was a strange feeling, just like hallucinations. I lay down and closed my eyes. I saw a white screen, and then I turned over and descended into the darkness. As I got up again I was dizzy. I entered the room, got between the Mirrors, and took a seat. I had a feeling like somebody was beside me. I closed my eyes and saw my eye.

**19.01.91. 22.05** I was troubled lately. Entering the room I felt my head ache for some time. The pictures turned more visible. Sometimes I felt like I had something strange inside me. It was there and moved at times. I entered the room carefully trying to avoid coming to the Mirrors. I was scared to be there alone. Usually I stayed awake after midnight. Sometimes I felt like "that thing" wanted to come out of me and I was scared.

**21.01.91.** Being in the room with the Mirrors I felt nothing first. Then I heard humming. There was no fear. The room was dark then bright then dark again. I felt a strong pulse. It was an unpleasant feeling then. My head and body were just as though "empty". I was trembling. My head grew heavy, my face turned rigid. It was like lying in the sun. I opened my eyes and saw a different world around me. There was darkness in my eyes. I saw waves. Sparkles gathered round and fell apart. Then I saw a sparkling light with human shapes against it.

**19.01.91.** At night I felt like it had been here and then gone. There was no fear then. I was quite alright. It was fun. I began to forget all that. There was no more strong wave from the Mirrors at me.

**21.01.91. 12.30** I felt lifeless near the Mirrors. Having my eyes closed, I began to receive images with short breaks. Bright colours, glimmering. There were two pictures I remembered. The first pictured two objects going in opposite directions. The second pictured a man behind a glass watching the objects going. The objects looked like sparkles.

**21.01.91. 18.30** Being inside Kozyrev's Space I felt lifeless and lay down. My body got relaxed and light. I felt my body had "gone". As soon as I closed my eyes I saw an object flying above. Then came the darkness and then the light again. I was in a room I hadn't seen before. A man was standing in the center of the room. His face wasn't seen. He began to speak slowly. It was something like this: "Your planet is in danger. It is suffering. You've been in the Mirrors too much. It's bad". I couldn't say a word while he was speaking. He said: "There may be disaster". I asked him: "When?" No answer came.

**22.01.91. 10.03-10.30** Being in the room with the Mirrors, I had fear at first. But I calmed down. Having heard the buzzing round my head, I opened my eyes. It was getting dark around. Then I closed my eyes and said: "I've come to say good-bye". That's the last day I was in the room. I saw the earth with some object around it and a man watching it through the glass. Then I felt my left hand get to the surface. There was an unpleasant feeling inside. I felt my head get to the surface too. It was like fading in space then.

## **THE WITNESS' TAPES.**

### **Dickson scientific base. Dec. 24-25 1990. Distant Information Contact Experiments. Far North.**

#### **TAPE ONE**

Yesterday (Dec.24.1990) three of us came to the psychological distress room to work there. Having entered the room, we felt a kind of emotional pressure, but kept talking as though we didn't care about it. In a while we found a picture of three dots inside of a circle. Somebody offered to put it into Kozyrev's Mirrors. Having done it we felt a kind of emotional shock. We just couldn't keep standing round the Mirrors. We left the room but the feeling of stress continued. It was still growing. The fear was so strong (more like a wild terror that couldn't be explained) it seemed like a real thing you could touch. None of us had ever had such a feeling before.

#### **TAPE TWO**

Yesterday (Dec.24.1990) I was asked to come into Kozyrev's Space. First I felt a thrill. The next time I entered the room at 21.00. I wanted to write a letter. But being there I couldn't help feeling that something was going on inside the Mirrors. The fear grew on. Sitting with my back to the Mirrors, I felt the back of my head and my spine get burnt. Having got up from the chair, I felt lifeless the way one feels being ill. There was a strange feeling, as though I got out of myself and watched myself from outside. It felt like my voice was coming from far off.

#### **TAPE THREE**

Having heard of the strange things happening inside Kozyrev's Space, I decided to try it on myself. I entered the room. The Mirrors were at my back. I felt nothing but being a bit dizzy while entering the room. Then I got between the

Mirrors. As I looked up I saw the Mirrors were shaking slowly. Then I closed my eyes. Having opened my eyes, I saw the Mirrors were spinning round slowly.

#### TAPE FOUR

Dec.24 I was afraid to come up to the Mirrors. The thrill was growing yet I felt somebody watching me, touching my head. My colleague decided to put a reproduction of "Banner of Peace" by Rerich into the Mirrors. Once he stretched out his hand he had fear. He took out the picture and went out. Next time we came to the room at 24.00. Once we opened the door we got scared. We came to the picture. While passing the couch I felt my chest trembling. It was like coming into cold water. The shiver came up as we got closer to the Mirrors. I felt my head grow heavy. As I approached the table, the fear grew so strong that I was close to running away. Suddenly I felt a strong blow to my head.

#### TAPE FIVE

Yesterday Dec.24.1990 at 20.00 we were going to work in the psychological distress room. Once I lay on the couch I had an unpleasant feeling. My colleague came ten minutes later. I suggested to him that we check the room round. We thought the source of the pressure was Kozyrev's Mirrors because as we got closer to them the thrill grew. I felt cold and dizzy (like there was too much of oxygen). My hands were trembling and my head grew heavy. While coming away from the Mirror, the feelings went down. We went off to the next room. Once we were back we felt the fear grow up again. We were afraid to turn back to the Mirrors. At 23.00 the fear area reached out of Kozyrev's Space. Even the air of the room seemed different. It was like after a thunderstorm. At 23.50 we decided to put test paper into the Mirrors. The test paper was of round form with three circles and "The Banner of Peace" by Rerich inside. I put it between the Mirrors. My hands trembled. I saw a black cloud in the center of Kozyrev's Space. It filled up the whole space of the Mirrors. About 01.00 we felt the presence of some substance in the room. Some things were moving round the room. It felt like the substance came from Kozyrev's Space and filled up the whole room. The fear was so strong that we could not help it. We put a cross on outside the Mirrors and it calmed us down a bit. But about 2 a.m., the fear reached its extreme. The wall separating the

two rooms looked made of paper. The pressure was growing. We went out of the room. But my colleague decided to go back for the cigarettes. Once he was back in the room, he noticed the fixed frontier of the fear zone. It was spread 2-3 m. from Kozyrev's Mirrors. As we passed the hole in the Mirrors we saw a violet flash shaped like a tree with "branches" and "roots" spread 10 cm. from the Mirrors. At that very moment my colleague got scared... We ran away from the room. I felt like something had struck my back. It was like a black cloud generating fear. Getting away from the room I felt like there was a black stub dragging behind me, from the Mirrors. In the morning I had a headache. Everything that had happened at night seemed just a dream, but the feelings seemed to be real.

### **TAPE SIX**

Coming to the lab at 8.30 a.m., I saw a red glimmering circle above the building. It was there for a minute and then gone.

## Hypnotic reconstruction of developments.

Dec.24-25.1990

1) I had a hypnotic set to return to the night of December, 24. I was sure I got back to that moment of time because I saw the flash of light again. I tried to address the one who made it. I could have done it at the third attempt. There was a picture then. The Mirrors were being lit up by a flash of yellow light. It looked like a brightly lit yellow tunnel. As the light went down I saw rows of numbers. Most likely it was 6,7,1. Then I got into a grey coloured pipe which seemed to have been made of cell porous plastic. The further I moved through the pipe the more it looked like "cheese with holes". I looked into the holes. Many of them were dark inside. In others I saw glittering stars. There was a hole which contained an aquarium with no water in. It had a diameter of approximately 3 m., with lobster-like beings inside. Having seen nothing like it, I decided to contact them. I was speaking in a high and a low voice; then I saw they could hear me. My voice sounded like it was inside a large empty space. I asked them what interest they had in our world and what they thought of Kozyrev's Mirrors. I asked what "something" had been sent to the Mirrors and why. There was no answer. They looked to be afraid of what we're doing, because the world gave us great opportunities which we might not take control over.

2) Having got behind the Mirrors, I saw a "gelatin like" substance filling more than half of Kozyrev's Space. I seemed to get inside of the substance. It was dark but I managed to see a human shape. Then I saw a few more. I tried to connect with the flying objects of that day but failed to. Something wouldn't let it go.

3) Inside the Mirrors I felt like I was being lifted up through the chimney to the roof of the building. I saw the stars and an object flying at high speed Northwards. It looked like the one we had seen on Dec.26. I tried twice before I got back to the room. The walls looked like they were made of some glittering structures. There was a mat of unpolished glass on the ceiling. There was nobody there. I kept on asking questions and it felt like I was supposed to answer myself.

I said my intentions were good. Then I found myself inside a room of some indefinite shape. It was made according to the image I had in my mind then. Once I thought about something it would appear right away. I could create what I wanted to...

4) I got inside a dark blue foggy cloud. I saw a flash and in a while an object radiating bright yellow light came. The object looked like a crane. It was there and gone, moving from left to right, and landed at last. I heard it calling me. I felt like I was getting closer to it without making a move. The closer I got to it the bigger it seemed.

5) I saw a white beam that stretched up off Kozyrev's Mirrors. It had a diameter similar to that of the Mirrors themselves. I found myself inside a white sphere. The sphere was empty. It was like watching myself from outside. Then the ball broke into two hemispheres. It was dark outside. Then I saw five stars. All of them were connected by glimmering lines.

6) I saw a light on which I could manage to get to a flying craft (midnight Dec.24). It was a black hemisphere. Once I got inside I saw a few doors. I opened one door and found the beings looked human, but of smaller size. I asked them what they were doing and they answered that they kept watching us.

7) I got inside a ball and saw computers in it (Dec.24). I asked them where they were from. They said they came from a big star.

## Hypnotic records.

Question: You are hypnotised. Now tell me your name and where you are.

Answer: Name's A.S. I'm in Dixon now. The experimental lab.

Q.: What's the date?

A.: I don't know.

Q.: Try to remember where you are now?

A.: Looks like big lab with electronics round...

Q.: What does the lab look like?

A.: Haven't I been here before? The apparatus looks like it isn't "ours"...  
Not "earth made".

Q.: How did you get there?

A.: I went where the light comes from.

Q.: Where does the light come from?

A.: I don't know... Just from nowhere... It's like a glimmering field just around me here...

Q.: Just get back to where you started from.

A.: I'm back. I'm near Kozyrev's Mirrors.

Q.: What's the date and time?

A.: December, 24. 20.45.

Q.: Have you had contacts with anybody in the lab?

A.: Yes. Ask them why they are here. They said they had always been here. And some place else where the energy's high and easy get. They got knowledge of people with the energy.

Q.: What are their interests here?

A.: People reading minds get in contact with them without knowing it. They say some people like it.

## THE RECORDS

### of hypnotic reconstruction. The night December, 25. 1990 (made Jan. 22. 1991)

The night January, 22. 1991. About 2 a.m., being in the corridor near the room with Kozyrev's Space, I felt somebody watching me. That feeling was very strong and I was trembling. I had never felt anything like it before. It was like low-frequency resonance. As I got to my bed, I felt somebody sitting on my neck. I closed my eyes and saw my back. There was a dark stain on the back of my neck. I tried to throw it away. Once I did, it was gone. I fell on my bed feeling very scared...

**22.01.91. 10.45.** Being hypnotised, I got in contact with Space Visitors with the help of Kozyrev's Mirrors. They said they discovered the "thought radiation" they'd never seen on the Earth. As the Sun has no influence at Polar night, they sent a beam into Kozyrev's Mirrors to get information. But people being around caused a disturbance. They had to use "fear excitation" as protection. The night of Dec.25 they were analysing the information, and that's why "fear excitation" was high.

**22.01.91. 10.30.** As I got hypnotised back to the night of December 25.1990 I felt light. I saw a stain; then it flashed and I saw somebody's reflection in the water. It was waving its hands trying to say something. I was scared and got away.

**22.01.91.** Hypnotised, I got back to 24.00 on the night of Dec.25.1990 There was a soft light coming from the Mirrors. Getting closer to the Mirrors I felt a warm white light coming from the floor. It filled up the whole of Kozyrev's Space. The light looked magnetic. I saw small objects, all yellow, coming up in the stream of light. At half of the mirrors' height, the objects would disappear.

**22.01.91. 10.30.** I felt like staying with my counterpart in the air. They wouldn't let me back to Dec.25 because I would know all about it right away. I saw something that looked like a placard with a title and small symbols. Besides

the ones I didn't know there were some of the Earth. I thought their language might consist of symbols.

**22.01.91. 10.45.** While hypnotised, I saw a grey desert with a black sun above. There were huge Kozyrev's Mirrors in the middle. I looked at them from above and saw a bottomless well. I hung above a long fall. There came a blue flickering. I hung for a long time. Then I proceeded to fall. There came a light and I saw a black shape coming at me. He had no eyes but I felt him watching me. I got scared.

**22.01.91. 13.10.** While hypnotised, I saw a sign that looked like the one of Taurus. Then I saw a Galaxy with two light spots in it. I couldn't find out what it meant.

**22.01.91. 10.30.** While hypnotised I felt my body grow heavy like it was filled up with lead. I saw a few sights. First, I pictured a glimmering yellow object flying up. Second was a dark grey ellipse gliding between the clouds. The third showed an ellipse against a blue sky above some city with high square buildings (looking like those of New York). Then I saw high gates framed with columns. A voice was heard through the gates.

**22.01.91. 13.00.** I saw a landscape with two hills on the left. I saw a white glimmering ball flying over the hill. A beam of light was coming down off the ball like it was searching for something. Then the ball came down... Then suddenly the couch I was lying on, lifted off and flew forward to the beam of bright yellow light. I was scared and my body was trembling. I wanted to have it all stopped but I couldn't move a finger. Then I felt like I was going back and saw a grey ball with stripes on it above Kozyrev's Mirrors. The ball went away several times and was there again.

## THE RECORDS

of hypnotic reconstruction of the night Dec., 25, 1990.

**21.01.91. 19.20.** Inside Kozyrev's Space my head grew heavy and my body was light. I was dizzy. I felt my head rolling around slowly. I hadn't felt that way before. I had hallucinations. I don't remember what they were. As I was hypnotised the hallucinations left. There were flashes of light (I counted of them). After that I saw pictures flickering. I asked who was there. The answer was: "I have no face. I am nothing and everything". Then I saw the eyes. The eyes were not very kind. That was all.

**21.01.91. 19.20.** While hypnotised I got back to 2 a.m. December, 25, 1990. I saw a vortex of sparkles coming up to some glimmering ball. At the same time there were some undivided stains glimmering in the room. One of those stains came up to me and I got scared.

## **U.F.O. above Dickson Jan.,17.1991. The Records of hypnotic reconstruction.**

1. At 5.10. on Jan.17. 1991 I saw a U.F.O. Flying from the North, it looked a star then. Flying from the North, it grew larger. Then it stopped and turned to the North-west getting smaller while flying away. The object had the form of an ellipse radiating red-white light. Somehow the object turned into a figure of eight radiating red-white-green lights in a moment. There were beams of light coming off the object. While in the form of a ball, the object had one beam of light coming out. When it turned into the figure of eight, it had three of them. Those beams were moving around as if searching for something. The U.F.O. remained in sight for about 4 minutes. Then the light went off and it was gone.

2. The night of Dec.16.1991. I was awake. Suddenly I felt a kind of hypnotisis. That feeling didn't last long. I remembered a picture I'd seen before. Then I thought: "If I saw a U.F.O., I would call the guys I work with..." But I stayed in. I saw a white glimmering object which looked like Saturn against the dark sky.

3. 17.01.91. 13.30-13.45 While hypnotised I felt unusual and saw a lot of "pictures". I can reconstruct only some of them: Kozyrev's Mirrors with a disk glimmering above, a beam of light with fixed sides coming off the disc away from the Mirrors. The disc itself looked like a "door", and had something hard and dark surrounding it...

4. 17.01.91. 13.30.-13.50 Half hypnotised, I felt a strong pulse and saw light flashed against the darkness. Then there were a ball with an ellipse and a human eye. I had no contacts. There was the thrill...

5. 17.01.91. 13.30.-13.40. While hypnotised I saw a glimmering disc.

## Three days inside Kozyrev's Space. The Experiment's records.

The 1st day: There was nothing but dizziness at first. At the end of the first day, I felt completely disconnected and relaxed.

The 2nd day: There was a strong urge to fly. (It was just like dreaming). Sometimes I felt "out of" my body. I had "talks" in my mind. The answer came before I could think of a question. There were "pictures"; some looked real. Some looked like "strip cartoons".

The 3rd day: It was like I had gone far away. I was asked who I was in "another" life. I saw I was a Roman taking part in a war with ancient Greeks. Later I saw other "films" presenting "myself" in some "hot" situations. I felt my body apart from "me".

The second and the third day I was very much relaxed. Outside Kozyrev's Mirrors I discovered I had unusual abilities. I could answer questions without thinking. (I could tell a guy the number of his examination card or the date of departure long before it occurred. I "saw" an accident the day before it happened). Starting late in May I had problems. I was afraid to be on the balcony because of a strong urge to jump off. I often had frustrations. That lasted till July. P.S. I still saw some "Greek films" that didn't last long.

15.04.91. During an "image transmit" to Novosibirsk, I was near the Mirrors. While the image was being transmitted I felt somebody around. I opened my eyes and saw a light body shape. It stepped aside, turned round, and went to the corner...

2.05.91. 12.10. I felt dizzy, lifeless, and "doubled". There was an unpleasant "sucking" feeling 15 cm under my heart. Before "doubling", a black ball (diameter 10 cm) struck my right shoulder...

2.05.91. 12.10. While hypnotised I tried to change to the other Mirror. It was like "gliding". I saw crossed lines flashing by. I didn't see anything but some symbols like glittering and a pyramid spinning around.

I came to the psychological distress room, lay on the couch, and closed my eyes. Suddenly I saw eyes. I tried to imagine symbols. They had probably received them. Out of the blue, I had a strong headache. I could hardly breath and felt like dying. I saw a "picture". I felt like I was rolling around inside of myself. The room was filled with something. I kept watching the eyes. Sometimes there were a lot of them. Then there came Space, some object, the eyes again...

**10.05.91. 17.00-17.30.** During "image transmit" in the Mirrors it was like watching a "horror" film. I saw buildings crashing down heavily. I was on a boat that suddenly sank. I had to keep my eyes open all down the line. I was scared. I felt fixed to the armchair. Then I felt like trying to run away from somebody. I saw war. It was like separate film sequences. Then I felt like I was spinning on a merry-go-round. Last, I saw the Mirrors rolling around.

**12.05.91.** Being in Kozyrev's Space on April, 27, 1991 for the first time, I had fear (5 minutes spent in). The next day I had fear again. After a minute spent inside the Mirrors I felt like I was falling through. Once I landed I saw praying people. I felt like somebody was watching me. I got scared. I had fear for two more days then. I felt like running away. I could not stay with other people for long.

**12.05.91. 16.15-16.45.** After 10 seconds inside Kozyrev's Space I had fear. I felt somebody was in the room. There came "pictures". I saw a lot of them. I felt pressure on my head and then on my heart. After that I felt like I was spinning around counter-clockwise, watching "pictures". It was like that 3 times. I wanted to draw the "pictures" but couldn't move a finger. Then it was all over and I felt like sleeping. It seemed like somebody had me under study.

**12.05.91.** Inside the Mirrors I saw a lot of "pictures". Some of them were: a palm with a picture of an eye, and a brain in some transparent substance (looked like cigarette smoke of dark colour). There was strong energy radiation inside the Mirrors (even audible). It seemed like I was under somebody's control. To my mind, there was some message for me that I couldn't understand. I saw star combinations, an archer and a fish staring at me. I had different feelings - fear, thrill, then patience and attention. I was under constant control. For a moment I was afraid I might be at somebody's command. I didn't see that "somebody" but I felt him to be there.

**13.05.91.** Inside the Mirrors I felt nothing at first. I had my hand closed but once I changed it, I saw a lot of human eyes and shadows. I got scared and left.

**14.05.91. 10.45.-11.00.** After a minute inside Kozyrev's Space I felt like I was flying about 10 m high. Then it was all over.

**14.05.91. 11.05.** While inside the Mirrors I got sick at first. Shortly after that I was alright. I felt something lying in my lap. Then I was pressed into my armchair. I felt like I was rising into Space. Suddenly it was over but my feet remained heavy.

**14.05.91. 18.25.** Once in Kozyrev's Space I was a bit dizzy in a while I saw five "pictures" one after another. First was an image of a woman. I couldn't recognize her but the face looked familiar. Second and third looked like images of a kid age 1. Those three pictures were coloured and clear.

**14.05.91.** In Kozyrev's Space I felt my head heavily pressed. There was no fear. I was inside clear empty space. Suddenly I felt like I was shaking and rolling around. I felt dizzy and short of breath. I couldn't see anything. Then I left. There was the smell of ozone.

**14.05.91.** While in Kozyrev's Space I smelled ozone. My eyes felt pressed then I saw "wheels". In a while that feeling was gone but I kept feeling the pulse in my head.

**14.05.91.** While in Kozyrev's Space I felt a kind of worrying. It was like somebody watching me. Shadows were there and gone. There was some dark veil around. Then I "remembered" an episode from my babyhood. It was the day I was born. The ambulance came. Father brought mamma to the car in his arms. A woman in a white gown took me. I was wrapped up in a white shirt. I saw every detail of it. Right after that I relaxed.

**15.05.91. 13.50** Once in Kozyrev's Space I saw "pictures". Then very clearly came the figure of 552, coloured red. Following that, I saw a face. It wasn't that of a human. I got scared. The face vanished and there came another one. It was making faces to me. The face looked very old, with lines on it. After a while it vanished too. While inside Kozyrev's Space, I heard constant wistling.

**19.05.91. 14.40.-14.55.** While inside Kozyrev's Space, I saw a dark veil around. Then there came a lot of different "pictures".

**19.05.91. 19.00** Inside of Kozyrev's Space I had my eyes closed. First I felt pain in my left hand. Then there came a spiral. It was like it was cutting through

me. That lasted about a minute. I saw a long asphalt road framed with burning lights. It seemed to have no end while I was running along it.

19.05.91. It felt like I was "out" of myself. Movement in Space. A "whirl" with a human shape in it. Just "something" formed from pipes.

19.05.91. I remained in Kozyrev's Space with my eyes open. The Mirrors were spinning counter-clockwise. It looked like outer space. A green star flashed at my right arm a while a red one flashed at my left.

20.05.91. 11.30. I felt pressed while in Kozyrev's Space. It was like falling through a pipe.

20.05.91. 20.50.-21.20. In Kozyrev's Space I was flying with my chair, then got back to my place. I opened my eyes and saw a long tunnel. It lasted for about 5 minutes. Then I saw a bearded male face with black spectacles on.

21.05.91. Inside Kozyrev's Space I felt my chair was shaking and spinning counter-clockwise. I felt easy.

22.05.91. 12.15. I was rolled up while inside Kozyrev's Space. The Mirrors were spinning around and I had a headache. I got scared. I opened my eyes and looked up. There was a U.F.O. there. Then it was over but I felt like I was spinning until I left the room.

23.05.91. While inside Kozyrev's Space I felt somebody watching me. Then I was spun to the right for 15 seconds.

23.05.91. While inside Kozyrev's Space I made a "flight" to some unknown planet. The ground looked black. The sky was grey. It had flattened relief.

24.05.91. 19.30. Inside Kozyrev's Space I saw a black wall with different "pictures" on it. In a while I "turned out". First I felt a headache. Then, I left the Mirrors. While there it was like lying in the sun.

26.01.91. 17.45. I witnessed the U.F.O. above Dickson village. It was a ball shining like welding with a beam of light stretched back off it. The beam of light had two sections. It was in the sky for about 1 minute. Then it vanished for a while and appeared again on the other side, having no beam of light then. The ball proceeded to move for another while, then stopped and a cloud went spiralling round it. I could see it for another 5 sec, then it was gone.

24.05.91. 12.30. Inside Kozyrev's Space I saw myself spiralling up in my chair. A hot wave came through my body. I saw shining lights flickering round.

Then there came a screen with a "picture" on it and I heard a voice asking me: "What do you want?" I answered: "I want to meet you". Then there was silence. I asked: "Who are you?" Now I remember only one word of the answer and that is "league". I saw a row of shining wheels that followed one another for about 3 sec. I had a strange feeling. Once I tried to find out my "whereabouts" all of it stopped.

**25.05.91.** While hypnotised I got in a U.F.O. that I saw in 1990. I remembered that they let me back to Dec.26.1990. I saw the U.F.O. (it was black and white then) and got aboard of it. I felt they would let me see only what they wanted me to. The U.F.O. was large on the inside though outside it looked small. Then we flew over the Earth and reached Taimyr lake. I saw a white peak down there. I hung over that place for a long time. Then it became dark. Then I saw some other places and orange fogs, all the other things were black and white. Then there was darkness again. Then I saw a lot of pyramids built in regular blocks. I asked: "What is it?" The answer came: "We live so". I asked them to show me inside the pyramid but they let me see the stair through the entrance at the left side. The orange light came out of the pyramid entrance and flickered on the walls. I tried to get into the pyramid but flew over it and the darkness came again. The whole time I felt like I was lying on my back turned upside down, and it was hard to see it all. But I could look "through" myself. After a while I saw a room with the Mirrors spinning around. Then I saw rooms with Mirrors standing at intervals between them. I thought they showed me the way the lab should have been. I asked: "Were the U.F.O.'S over Dickson on Dec.26.1990?" I saw a picture of "a ball with a beam of light" then a picture of a "transparent pyramid" lighted from inside turned and spun. I got back to Dec.25.1990 when the Mirrors flashed. I saw a beam of light spiralling up in the Mirrors to the ball. The ball flew into the Mirrors and broke into wheels waving to the walls, fading out and then coming back again.

## Supplement II

### CERTIFICATES

#### of the Experiment in the distant-image interaction "Perm Zone"

In February 1990, an expedition to the Perm region, Molevka Village district (bend of Sylva river), (photo 1), well-known for its anomalous properties, took place. The main task was to analyse the methodics and methods of image



Photo 1 The bend of the river Sylva near Molevka village in Perm district (the region of the Perm anomalous zone).

information transmission from anomalous areas of the "Perm triangle" and methods of ensuring the reception of this information in Novosibirsk. The members of the expeditional group are : A. Tarnopolsky, A. Sorocin, D. Polyakov, V. Salei, A. Varfolomeev, V. Vodolagin.

In the region of the expedition base, a biolocational survey of the region was made. The areas with anomalous properties were discovered. These places were designated as posts of distant-image transmission (Photo 2). Seven seances of the distant interaction were held. In 5 of them an accurate image transmission, in Novosibirsk, was ensured.(Table 1). One of the transmission seances (5.02.90.) was accompanied by effects typical for this zone: the appearance of "green heat balls" that were observed by most participants of the expeditional group. When the seance was finished the balls disappeared.



**Photo 2** One of the biolocational anomalous sectors in the Perm zone - a place of distant-image transmission.

Information			transmission			Information			reception		
Date	Time Moskow	Place	Image	Date	Time Moskow	Place	Image				
5.02.90	19 <sup>24</sup>	Novosibirsk		5.02.90	19 <sup>25</sup>	Perm region					
5.02.90	19 <sup>18</sup>	Novosibirsk		5.02.90	19 <sup>20</sup>	Perm region					
3.02.90	14 <sup>18</sup>	Perm region		3.02.90	14 <sup>19</sup>	Novosibirsk					
4.02.90	19 <sup>03</sup>	Perm region		4.02.90	19 <sup>03</sup>	Novosibirsk					
3.02.90	10 <sup>00</sup>	Perm region		3.02.90	10 <sup>02</sup>	Novosibirsk					
5.02.90	7 <sup>15</sup>	Perm region		5.02.90	7 <sup>15</sup>	Novosibirsk					

Table 1 Comparative visual characteristic of image information in the experiment "Perm zone".

## Supplement III

### CERTIFICATES

#### of the international Experiment in the distant-image interaction "Transcontinental Bridge".

The certificates contain:

1 The description of the experimental reception of image information in New York by the participants of the joint experiment, conducted by the Center of Leading Sciences of Temple University in Philadelphia (director Doctor B. Rubik) and the Academy of Medical Sciences, Siberian Branch in Novosibirsk (director Academician V.P.Kaznacheev), A. Apostol from the American Center of Biolocational Researches.

2 The certificate of the image information transmission from Dickson. The information transmitted from Novosibirsk wasn't perceived. The accuracy of transmitted and perceived information on the route "Dickson - New-York" and the noted shift in time between "transmission" and "reception" attracted our attention.

3 The certificate of the reception (drawing), perceived Christmas night by one of the Canadian participants of the global experiment "Polar Circle" in Quebec (the organizer of the experiment from the Canadian side)

4 A drawing made during the television sence of image transmitting (from Dickson) by a 6-year girl from the Ust-Avam Settlement in the Taimyr Peninsula (a Christmas tree was transmitted).

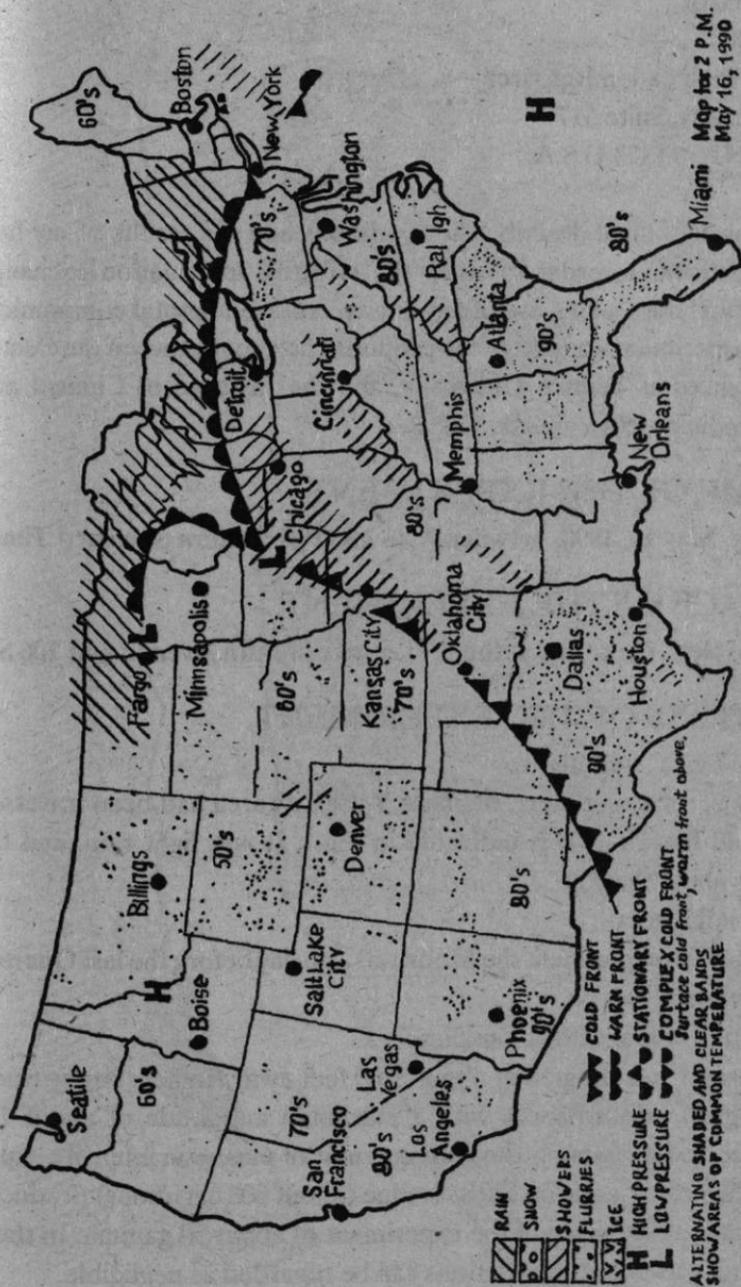


Fig. 1 The Weather Report in New York City on Wednesday, May 16, 1990 after New York Times. The meteorological data after Pennsylvania State University.

Andrei Apostol  
May 16, 1990  
Center for Biolocation Research  
83-45 Broadway, Suite 517  
Elmhurst, N.Y. 11373 U.S.A.

In the following I shall describe the conditions and the results of my first experiment carried out in order to study the effective information exchange between people, without making use of any known crosscontinental communication system. My experiment was part of the proposed protocol between the Center for Frontier Sciences at Temple University, and the Institute of Clinical and Experimental Medicine, Novosibirsk, USSR.

## THE TIME OF THE EXPERIMENT

Wednesday, May 16, 1990, between 7:00-7:30 PM Eastern Standard Time.

## THE PLACE OF THE EXPERIMENT

Manhattan, New York City, at the NW corner of Fifth Avenue and 106 St.

## CONDITIONS OF THE EXPERIMENT

### 1. Meteorological conditions.

At the time of the experiment, the New York City area had been traversed by a "complex cold front", as it is indicated in Fig.1. It was light rain, and the temperature was about the 70°F.

### 2. Cosmic influences.

At the time of the experiment the Moon was one day before the last Quarter, and 7 days after the Full Moon.

### 3. Correlation to magnetic anomalies.

The experiment was situated at about 2200 feet away from a subway track. As a result, magnetic disturbances with a maximum amplitude of about 100 gamma were expected. Gamma is the common unit of magnetic intensity, equal to 10 oersted. Every car passing on Fifth Avenue (about 600 cars/hour) produced a magnetic anomaly at the place of the experiment of about 50 gamma. In these conditions, natural geomagnetic variations can be regarded as negligible.

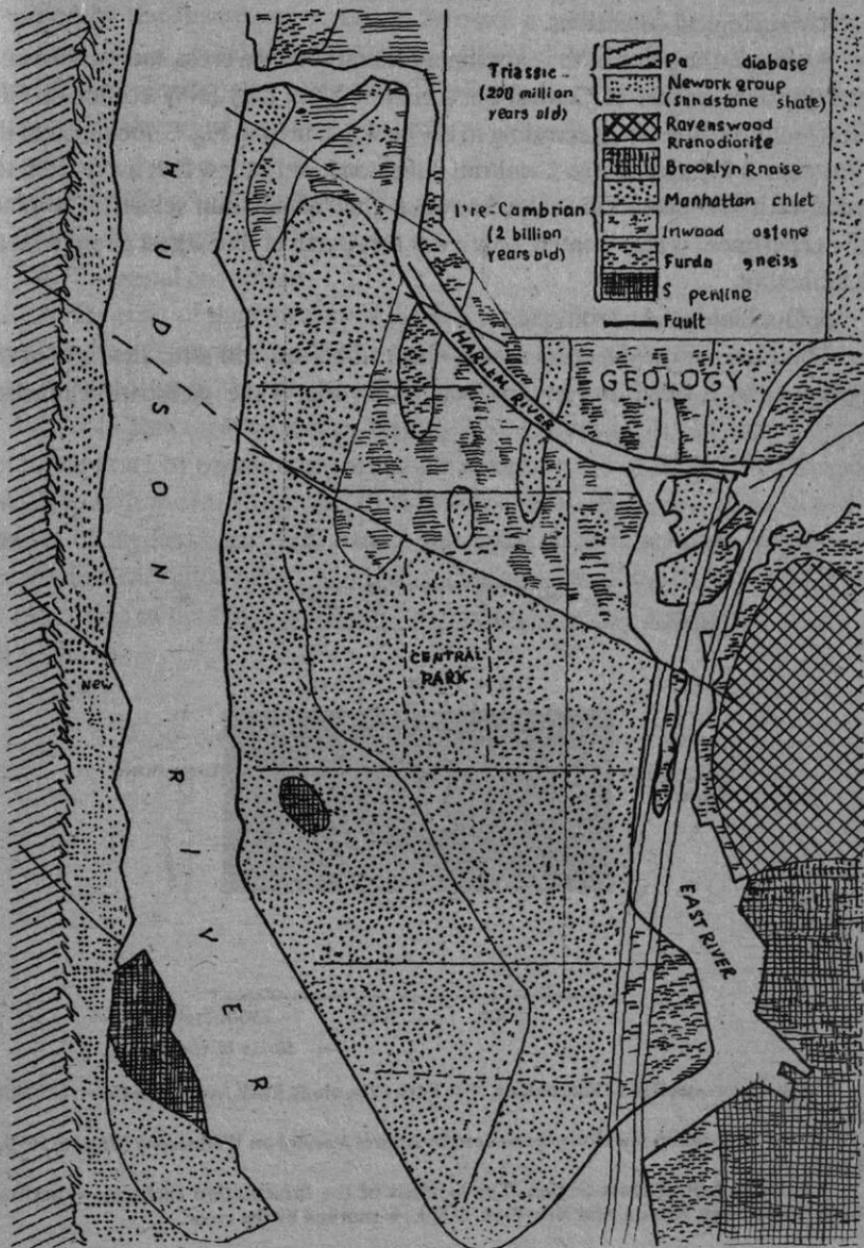


Fig. 2. Geologic map of Manhattan, New York City, courtesy of Flashmaps, Random House, New York (1987). No scale is indicated, since the distances in the E-W direction are twice as large as the distances in the N-S direction. The place of the experiment is marked by a cross near the northeastern corner of Central Park.

#### 4. Geological conditions.

At Fig. 2, the place of the experiment is marked by a cross somewhere near of north-estern corner of Central Park in New York City (NW corner of Fifth Avenue and 106 Street). According to the geologic map in Fig. 2, the place of the experiment is located on Pre-Cambrian limestone, only a few feet away from the contact with Pre-Cambrian schist, known as the "Manhattan schist". The place of the experiment is also located, only a few feet north of the largest geologic fault in Manhattan.

#### 5. Geobiological conditions.

The place of the experiment was checked before and after the time of the experiment by a filled-dowsers (biolocator). In Fig. 3 the biolocation reaction

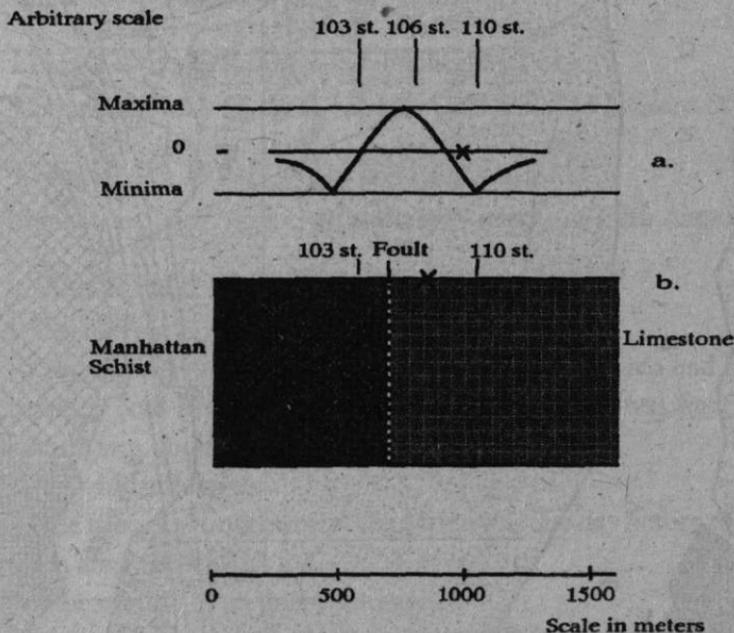


Fig. 3. A cross-section of Manhattan, New York City, along Fifth Avenue, between 110 Street and 103 Street.

a) the biolocation reaction experienced by Andrei Apostol on Wednesday May 16, 1990, at 6:30 p.m.

b) the geological cross-section. The location of the information exchange experiment between Novosibirsk, Russia, and New York, U.S.A., is marked by the cross.

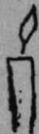
recorded by the field-dowser Andrei Apostol is indicated. It is interesting to notice that in the period of 1983-1990, other field-dowsers (Harlan Sparer, North Merrick, Nassau County, New York), independent from Andrei Apostol, experienced biolocation reactions across the same geologic fault. On May 16, 1990, the place of the experiment was chosen at the "minimum" of the biolocation reaction, or, in other words, at the particular location where the biolocator experienced a relaxation in his muscles.

#### 6. Biological conditions.

At the time of the experiment Andrei Apostol had an unknown illness. He was sitting in a horizontal position, with his head oriented north, on a bed inside a van (a MAZDA MPV van, model 1989, with a bed in the rear).

At 6:45 p.m. on Wednesday May 16, 1990 I started to try to relax my body, and to meditate by counting my breath. My position was extremely comfortable, and I got as few distracting signals as possible from my body. After about 15 minutes of meditation at 7:00 p.m., I was ready to start my experiment. I felt relaxed, in a very good mood, and I closed my eyes imagining that somewhere on the other side of the Earth someone was trying to send me a message.

8:00-8:05



8:10-8:15



8:20-8:25



Part 2.

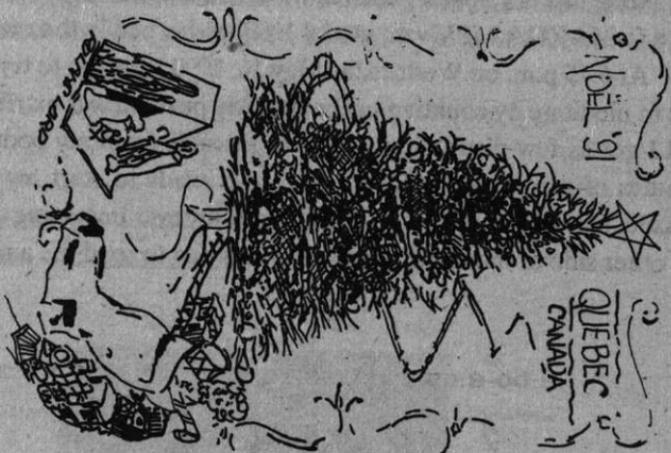
FAIT A : QUEBEC (STE-FOY)  
LE 24 DECEMBRE, 19:00 HRE  
DANCE: DR GILVAINE LAMPERT.

DE : ROLAND LORD

Joyeuses Fêtes.  
A VOUS ET VOTRE FAMILLE.

Produit au Canada  
3440 VAUQUELET  
STE-FOY (QUEBEC)  
G1W 4V3  
Tel. (418) 651-8761  
CANADA

Part 3



Joyeux

NOEL  
A TOUS LES RUSSES  
ET A TOUS NOS AMIS  
DE LA CEI DE LA RUSSIE

*Roland Lord*

## THE RESULTS

### of my Experiment of information exchange.

At Fig. 4 are indicated the original drawings that I did three times, at about 7:03 PM, 7:12 PM, and 7:23 p.m. on May 16, 1990. No other particular sensations of smell, sound, or images occurred to me between 7:00-7:30 p.m.

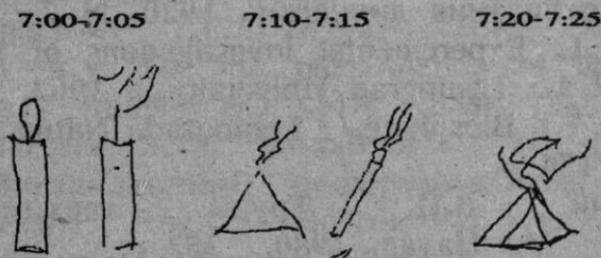
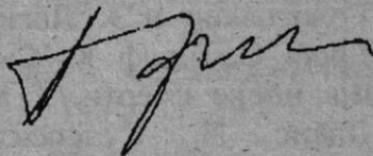


Fig. 4. The particular images that I draw at the time of experiment.

Andrei Apostol  
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## REFERENCES

Батаклиев Г. Античная мифология: Справочник// София: Петер Берон, 1985, 175 с.

Бахтин М.М. Творчество Франсуа Рабле и народная культура средневековья и Ренессанса.// 2-е изд. М.:Худ. лит., 1990.

Бехтерев В.М. Об опытах над мысленным воздействием на поведение животных.// Вопросы изучения и воспитания личности., 1920, N 2.

Vasil'ev L.L. Experimental investigations of hypnosis by thoughts.// L.: Leningrad University., 1962.

Vernadsky V.I. Biosphere.// Leningrad.: Nauka.- khim.- tekhn., 1926, 156 p.

Вернадский В.И. Труды геохимической лаборатории.// М.: Наука, 1980, 252 с.

Vernadsky V.I. Filosofy thought of naturalist.// Moskow: Nauka, 1988.

Вернадский В.И. Биосфера и ноосфера.// М.: Наука, 1989

Golovanov L.M. Planet as a "cosmic mechanism".// Moskow: Nauka.

Голосовкер Я.Э. Логика мифа.// М.: Наука, 1987.

Гроф С., Гроф К. Сияющие города и адские муки. Жизнь после смерти.// М.: Сов. писатель, 1990.

Дэвис П. Суперсила. Поиски единой теории природы.// М.: Мир, 1989.

Джан Р. Нестареющий парадокс психофизических явлений.// Труды института инженерной радиоэлектроники., 1976.

Доброхотова Т.А., Брагина Н.Н. Пространство и время в соотношениях "мозг-психика". Тез. доклад П

Международной конференции "Проблемы пространства и времени в естествознании"// Л., 1991, с.18.

Зилберман М.Ш. О корреляции плотности предсказаний в числовых лотереях с солнечной активностью и тестом Пиккарди. Деп. ВИНТИ. -НЗ168-Б89г. 1989.

Злоказов В.П., Пушкин В.Н., Шевчик Э.Д. Биоэнергетические аспекты соотношения образа восприятия с воспринимаемым объектом. 1978.

Казначеев В.П., Михайлова Л.П. Сверхслабые излучения в межклеточных взаимодействиях.// Новосибирск: Наука, 1980.

Kaznacheev V.P., Deryapa N.R., Hasnulin V.I., Trofimov A.V. On the phenomenon of heliogeophysical imprinting.// Bulletin SO AMN USSR. 1985

Казначеев В.П., Михайлова Л.П., Владимирский И.Б. Дистанционные информационные процессы в биосистемах. Доклад Всесоюзной научно-технической школа-семинар.// Томск: 1990, с.80-92.

Казначеев В.П., Михайлова Л.П., Владимирский И.Б., Солонцов И.Л. Метод клеточных культур и дистанционное межклеточное взаимодействие как тест биоиндикации внешних воздействий.// Новосибирск, 1989.

Казначеев В.П. Учение В.И. Вернадского о Биосфере и ноосфере.// М.: Наука, 1989.

Казначеев В.П., Спирин Е.А. Космопланетарный феномен человека.// Н.: Наука, 1986. с. 303

Казначеев В.П., Михайлова Л.П. Биоинформационная функция естественных электромагнитных полей.// Новосибирск: Наука, 1985.

Казютинский В.В. Философия и мировоззренческие проблемы.// Н.: Наука, 1981. с.49-69.

Казютинский В.И. Проблема поиска жизни во вселенной.// М.: Наука. 1986. с.54-60

Картер Б. Космология, теории и наблюдения.// М.: Мир. 1978. с. 369-379

Коган И.М. Прикладная теория информации.// М. М. 1981. с.137-158.

Козырев Н.А. Астрономическое доказательство реальности четырехмерной геометрии Минковского. //Проявление космических факторов на Земле и звездах. - М.-Л.: Изд-во АН СССР, 1980; с.85-93

Козырев Н.А. Время как физическое явление. //Моделирование и прогнозирование в биоэкологии. - Рига: Изд-во университет, 1982, с.59-72.

Козырев Н.А. Избранные труды.// Л.: Изд-во Ленинградского университета. 1991,, с. 443.

Лалаянц И.Э. Шестой день творения. //Человек и мироздание.-М.: политиздат, 1990, с.243-347.

Лем С. Сумма технологии.// М.: Мир, 1978, 466 с.

Мочанов Ю.А. Древнейший палеолит Диринга и проблема внутропической прародины человечества.// Археология Якутии. Якутск: Изд - во ЯГУ, 1988, 15-53с.

Мэкси Е.С. Биометеорология как наука.// Импакт, 1982, N 1-2, 99-114с.

Налимов В.В. Бессознательное как проявление семантической вселенной.// Психологический журнал. 1984, Т 5, N 6.

Налимов В.В. Спонтанность сознания.// М.: Прометей,, 1990.

Панов Е.Н. Знаки, символы, языки.// М.: Знание, 248 с.

Путхофф Г., Тарг Р. Перцептивный канал передачи информации на дальние расстояния. История вопроса и последние исследования.// ТИИЭР, 1976, т 64, N 3, 34-65 с.

- Столяр А.Д. Происхождение изобразительного искусства.// М.: Искусство, 1985, 297 с.
- Сыолов Д. Отражение астрономических познаний в тракийском святилище "Зайчий Верх".// Труды П симпозиума. Ямбол, 1986, 186-192 с.
- Тейяр де Шарден. Феномен человека.// 2-е изд. М.: Наука, 1987.
- Флоренский П.А. Столп и утверждение истины.// М.: Правда, 1990.
- Фол А. Тракия и Балканы в раннеэллинистическую эпоху.// София: Наука, 1975, 269 с.
- Фол А. Тракийский орфизм: Вселенная человека.// Человек, эволюция, космос. - Год V, N 1(8), София, 1986, 61-70 с.
- Фол А., Спиридонов Т. Историческая география тракийских племен до III в. до н.э.// София: Изд-во Болгарской Акад. наук. 1983, 185 с.
- Фролов В.П. Упорядоченная структура из легких лептонов как переносчик биоинформации.// Непереодические быстропротекающие явления в окружающей среде.// Тезисы докладов школы-семинара. Томск, ч.1, 1988, 39-40 с.
- Щербатский Ф.И. Избранные труды по буддизму.// М.: Наука, 1988.
- Шмелев И.П. Общесистемный подход к психотронике (рукопись).// М.: 1980.
- Эйнштейн А. Собрание научных трудов. т.4.// М.: Наука, 1967.
- Элиаде М. Космос и история. Избранные работы.// М.: Прогресс, 1987, 312 с.
- Bohm D. Wholeness and the implicate order.// N.J.: Routledge and K, 1981, 433 p.

Braud W. Psi conductive conceptions: Explorations and interpretations. Psi and Steits of Awareness.// Prok. Jut. Conf. in Paris. N.J.: Parapsychology Foundation, 1978.

Dunne B., Bisahs J. Precognitive remote perception: A critical over view of the experimental N.J.: Scarectow Press. -1980. P. 117-120.

Dunne B., Nelson R., Jahn R. Operator - related anomalies in a random mechanical cascade.// J. of Scien. Exploration, v.2 N 2, 1978, pp 155-179.

Edison W., Faust D., Getsls R. An investigation of possible anomalous interaction between a human being and a polarised lazer beam.// June - Sept. 1977 Drexet University., Physics Dep.

Cunningham A.J.// Nature, 1965, v.207, pp. 1106-1107.

Hearne K. An osteusible precognition using a "dream - machine".// J. of the Soc. for Psych. Res., 1985, 53(799), p. 38-40

Honorton C. Psi and internal attention states. Handbook of Parapsychology.// -N.J.: Van Nostrand Reinhold. 1977, pp.435-472.

Honorton C. Has science developed the competence to confrat claims of the parapsychology?// Research in Parapsychology, 1975. Metuchen, #3; Scarevrow Press, 1976, pp.199-223

Jaegers B. The extra sensitive pendulum.// Aries productions inc., 1972, 85 p.

Jahn R., Dunne B., Jahn E. Analytical Judging Procedure for Remote Perception Experiments.// J. Parapsychol., 3, 1980, pp. 207-231

Jahn R. The Role of Consciousness in the Physical world.// Boulder, CO: Westview Press. 1981.

Jahn R.G. The persistent paradox of psychic phenomena: an engineering perspective.// *TIHER*, 1982, v. 70, N 3, pp. 63-104.

Jahn R., Dunne B. Margins of reality: the role of consciousness in the physical world.// San diego, etc: Harcourt, Brace, Jovanovich, 1987, 415 p.

Jahn R. Anomalies: Analysis and Aesthetics.// Princeton: Techn. Note. PEAR, 1988, 21 p.

Mann R. Light of consciousness.// N.Y.: State of Univ. Press. 1984, 117 p.

Marks D., Kamman R. The psychology of the Psycho. Buffalo.// N.J.: Promethens Books, 1980.

Morris R. An exact method for evaluating preferentially matched freeresponse material.// *J. Amer. Soc. Psychical Researd.* 1972, 66, p. 401

Mucicante B. Experiments in Psychokinesis: Gltique and Proposed stuly, senior Thesis submitted to the Department of Psychology, Princeton University, May, 1979. Parapsychology, 1979, Metuchen.// NJ.: Scarecrow Press. -1980. -pp. 117-120.

Pribram K. The brain II Millenium.// Los-Angeles: J.I. Tarcher Inc., 1981, p. 91-104

Radin D., Nelson R. Evidence for cousciousness-Related Anomalies in Random Physical Systems.// *Foundations of Physics*, 19, 1989, pp. 1499-1514.

Scott C. On the evalution of verbal material in parapsychology: A discussion of Dr. Pratt's Monograph.// *J. Soc. Psychical Research*, 46, pp. 79-90. 1972

Solfvin G., Kelly E., Burdick D. Some new methods of analysis for prefrential ranking data.// *J. Amer. Soc. Psychical Research*, 72, p. 93, 1978

Targ R., Puthoff H. Information, transmission under conditions of sensory shielding.// *Nature*, 1974, 252, p. 602-607.

Targ R., Harary K. The mind race.// N.Y. Villard Books, 1985, 250p.

Tompkins P., Bird C. Secrets of the soil.// N.J.: Harper & Row Publishers, 1989, 444p.

Ullman M., Krippner S., Vaughan A. Dream Telepathy.// N.J.; Macmillan, 1973.

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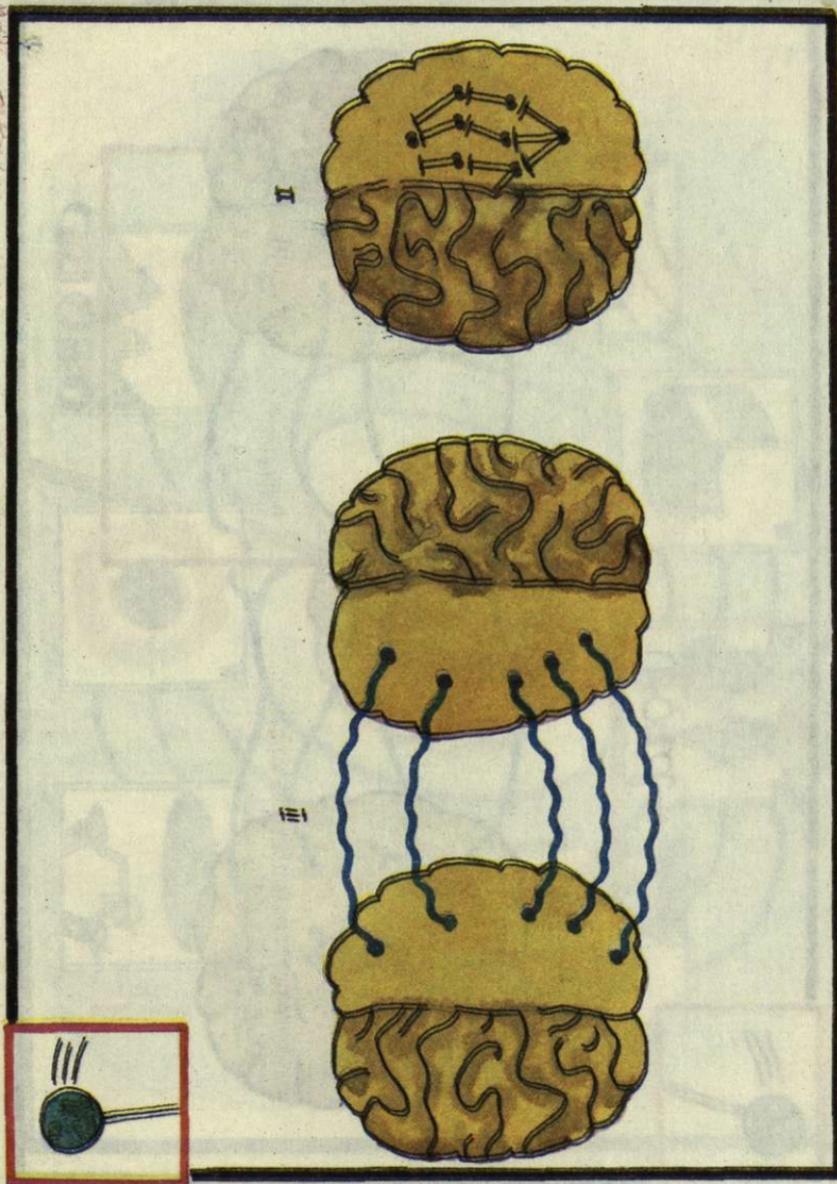


Fig. 1 Appearance on the Earth of living intellectual matter; I - Manyneutral brain organization of conductive type, II - Joining up of protohominids after a spasmodik brain to a "field type computer". (to the part: "Homo Sapiens: the emergence of living intellectual matter on the planet; its adaptation to the Earth's conditions...")

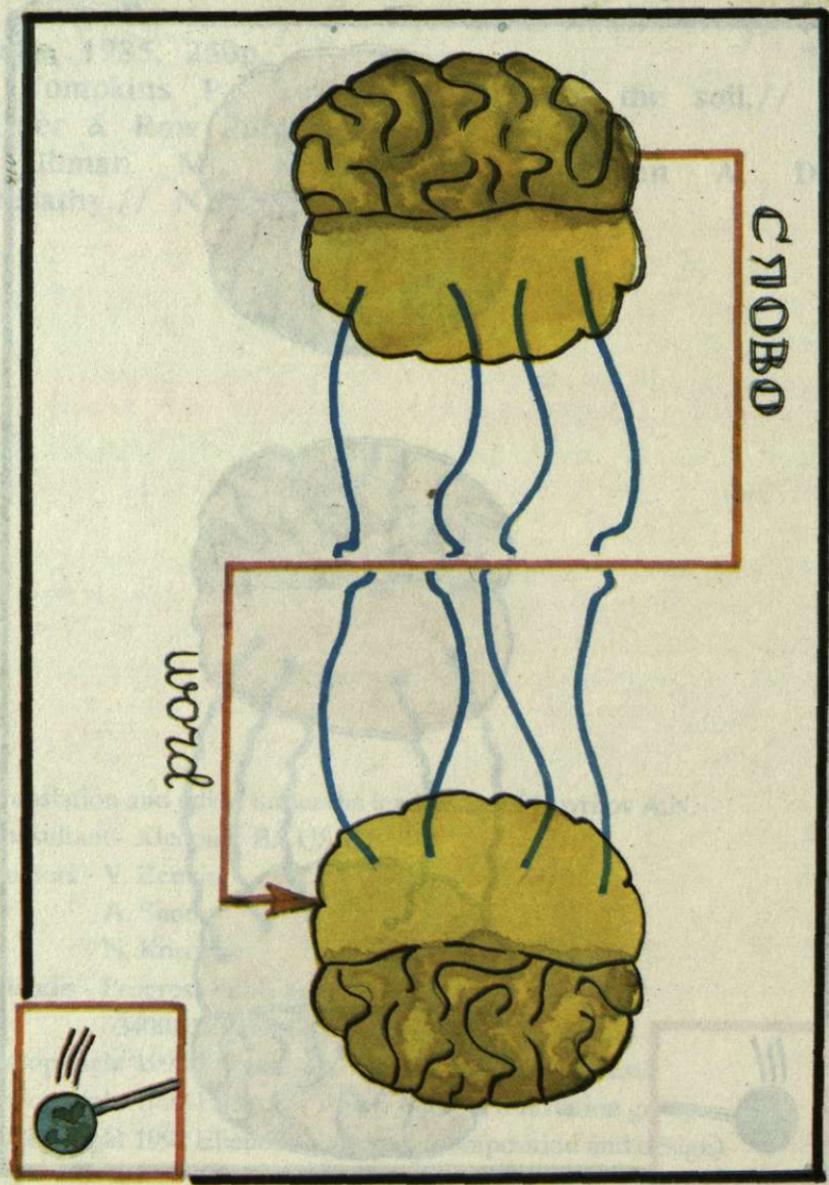
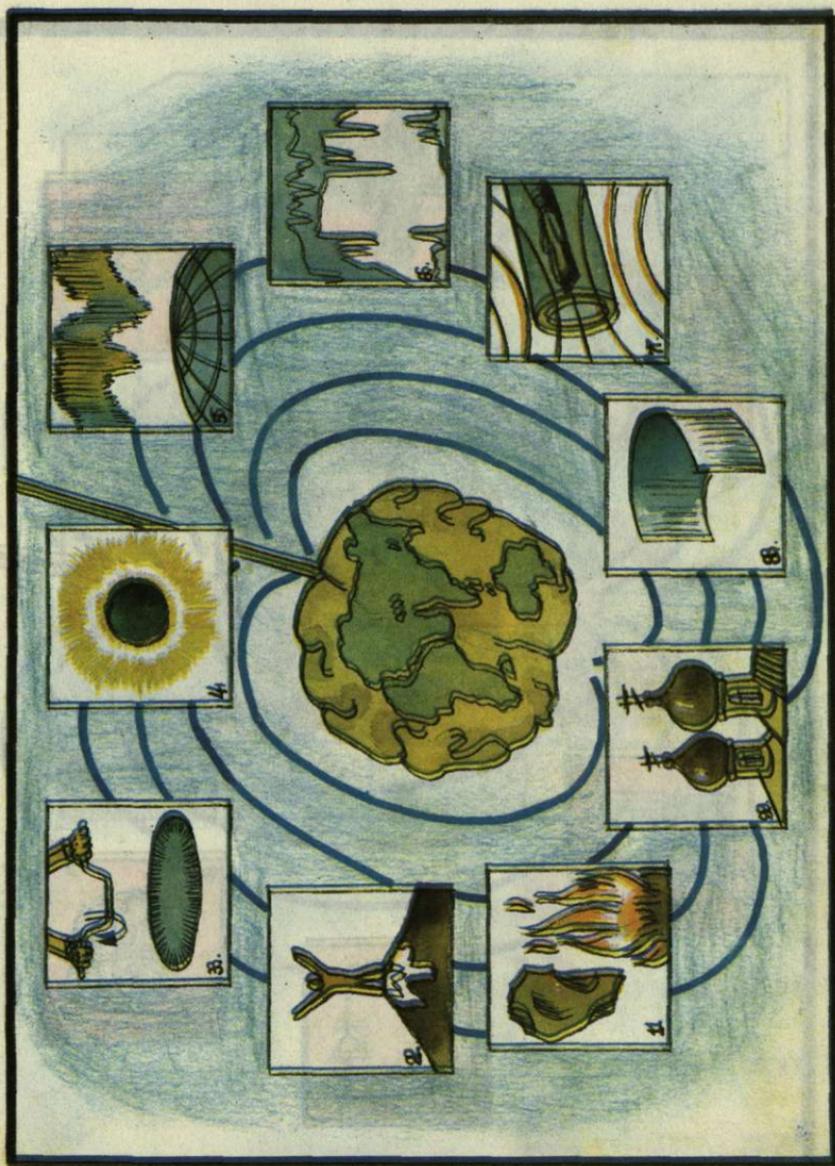


Fig. 2 Intellect adaptation to Earth conditions. Semantic re-cording splits the people in holographic space and unites them in social structures. (to the part: "Homo Sapiens: the emergence of living intellectual matter on the planet; its adaptation to the Earth's conditions...")



**Fig. 3 Study of distant - informative interaction between the people in a series of paleopsychological investigations; I - At man's original motherland in Diring - Yurakh (Yakutia) , II - In places of Trakiy mountain sanctuaries (Bulgaria) , III - In geoanomalous zones, IV - During solar eclipse periods, V - At Taimir (Dixon - not native population; Ust-Avan - nganasans), VI - In Khakasia caves, VII - In hypomagnetic settings, VIII - In Kozyrev's mirrors, IX - At places of critical ties (to the part: Paleopsychology as a way to understanding the cosmoplanetary essens of man)**

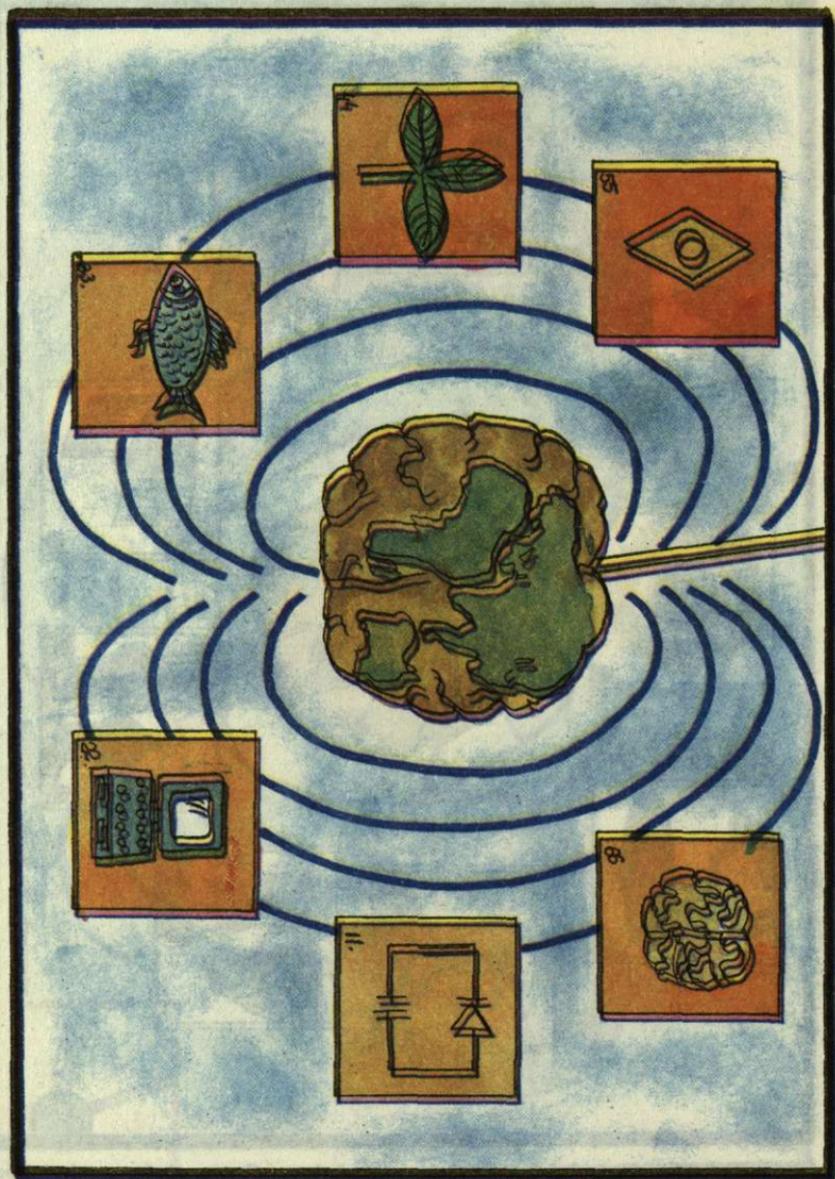


Fig. 4 Series of experimental researches by Novosibirsk scientists of distant - informative interactions in the systems; I - "Man - technical device"(Vatolin G.), II - "Man - computer"(Vatolin G.), III, IV - "Man - bioobject"(Vatolin G., Trofimov A.), V - "Man - cell"(Mikhailov A.), VI - "Man - man"(Trofimov A.) (to the part: Experimental study of the distant-informative interaction in the biosphere with man's participation)

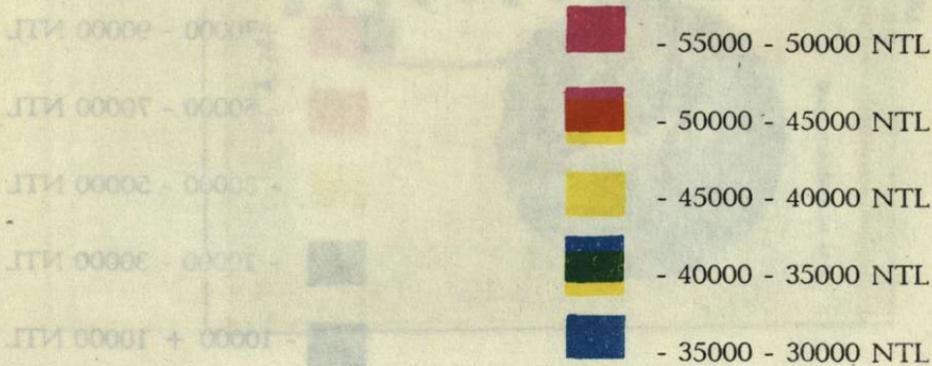
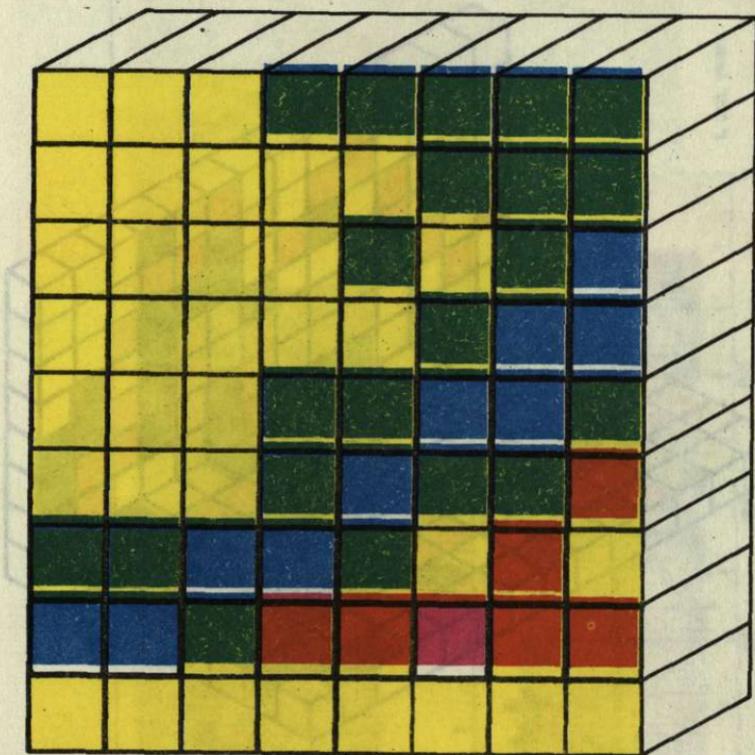
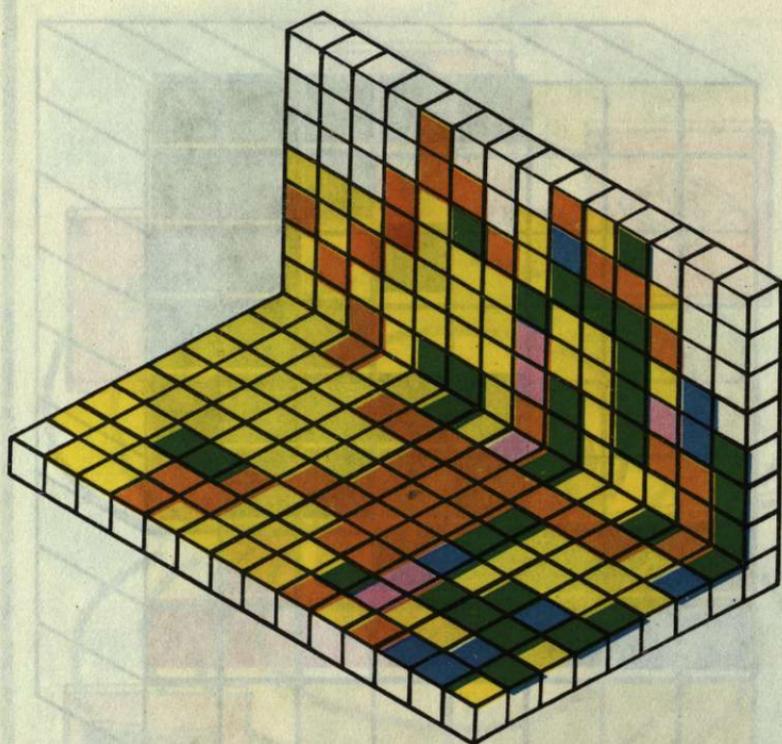


Fig.15. The data of magnetometer's measurements near the sound wall of traktyan sanctuary (Kabile, Bulgaria 17.10.90)



**Fig.16.** The data of magnetometer's measurements in the place of "Great Got" and Trakiyan sanctuary (Belintash, Bulgaria 21.10.90.)

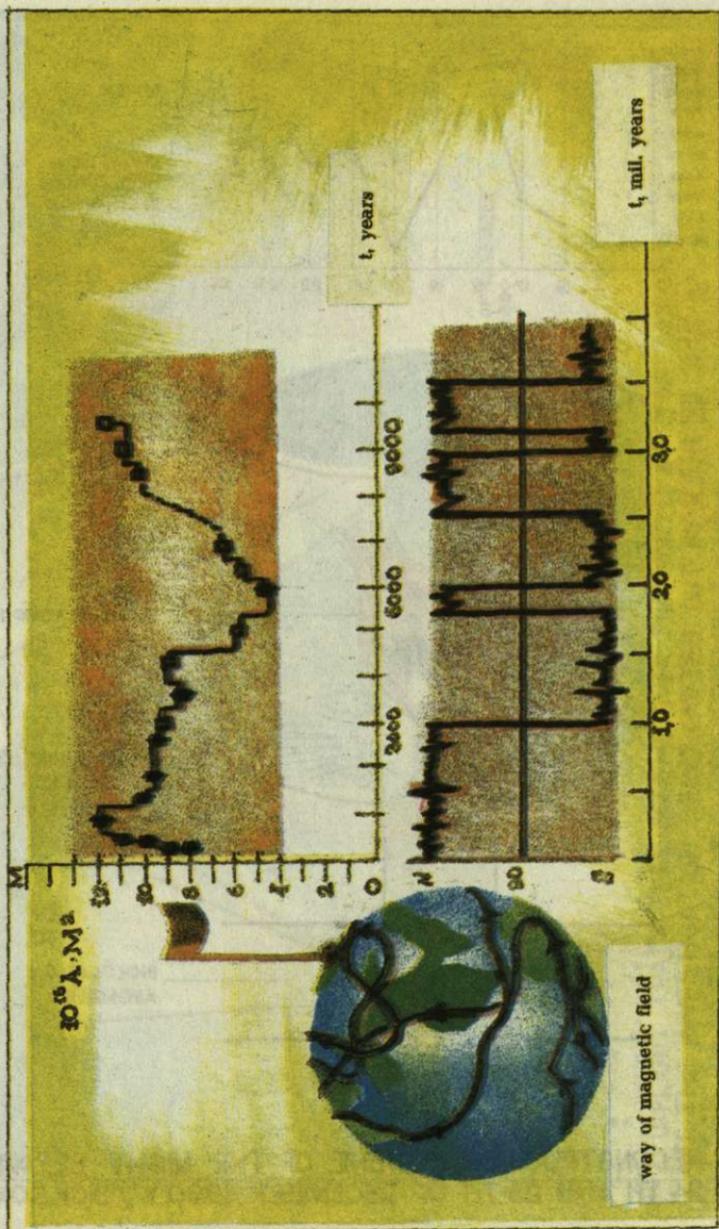


Fig 24 Polarity of magnetic field of the earth, its periodical changes

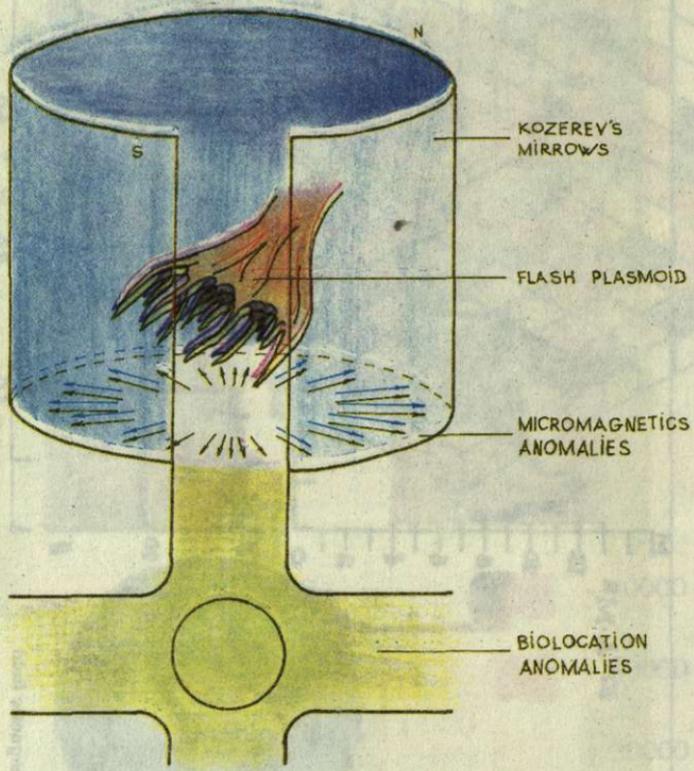
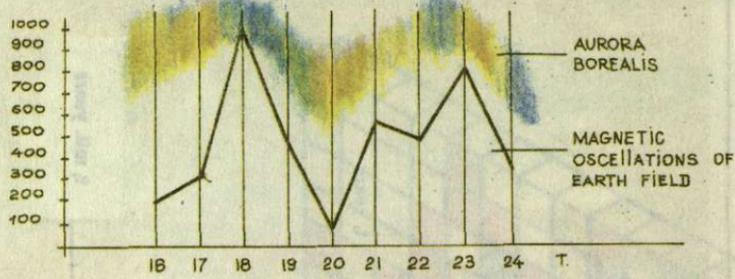


Fig 34.

RECONSTRUCTION SCHEME OF THE NIGHT BETWEEN 24 TH AND 25 TH OF DECEMBER 1990 Y. /DICKSON/

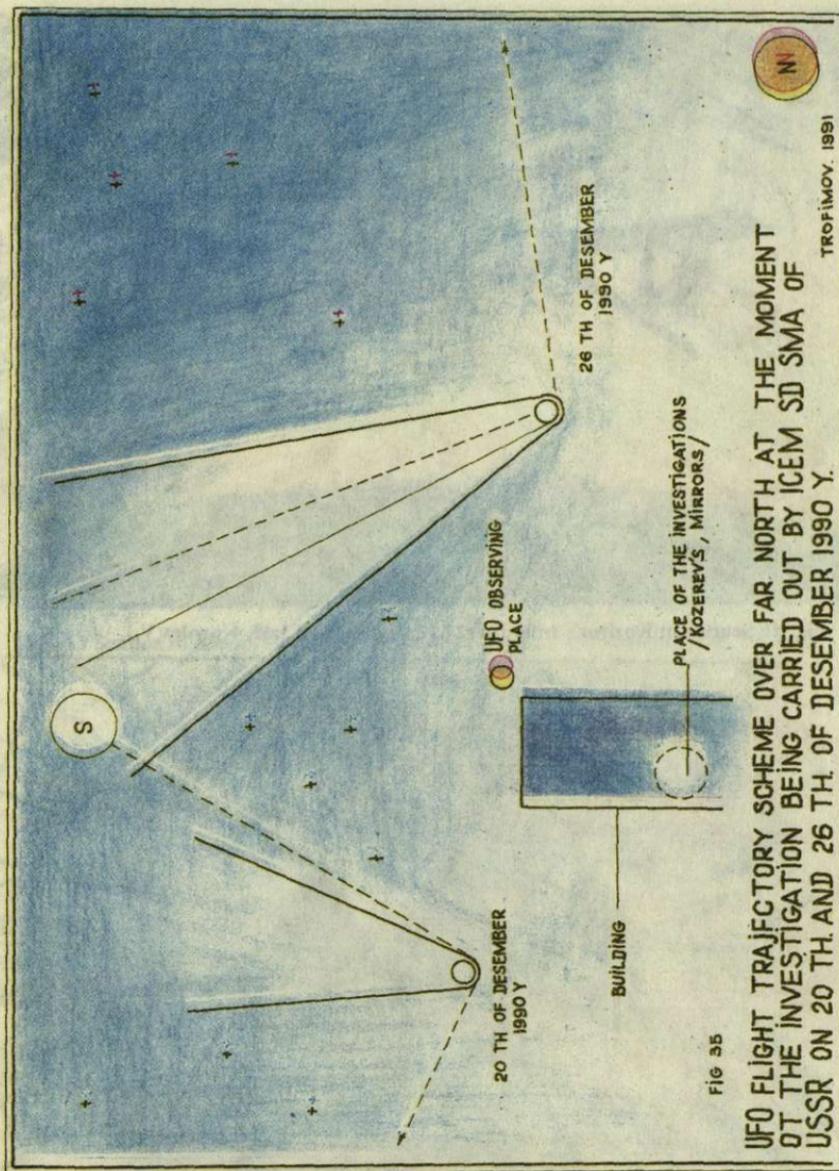


FIG 35

UFO FLIGHT TRAJECTORY SCHEME OVER FAR NORTH AT THE MOMENT  
 OF THE INVESTIGATION BEING CARRIED OUT BY ICEM SD SMA OF  
 USSR ON 20 TH AND 26 TH OF DECEMBER 1990 Y.

TROFIMOV, 1991

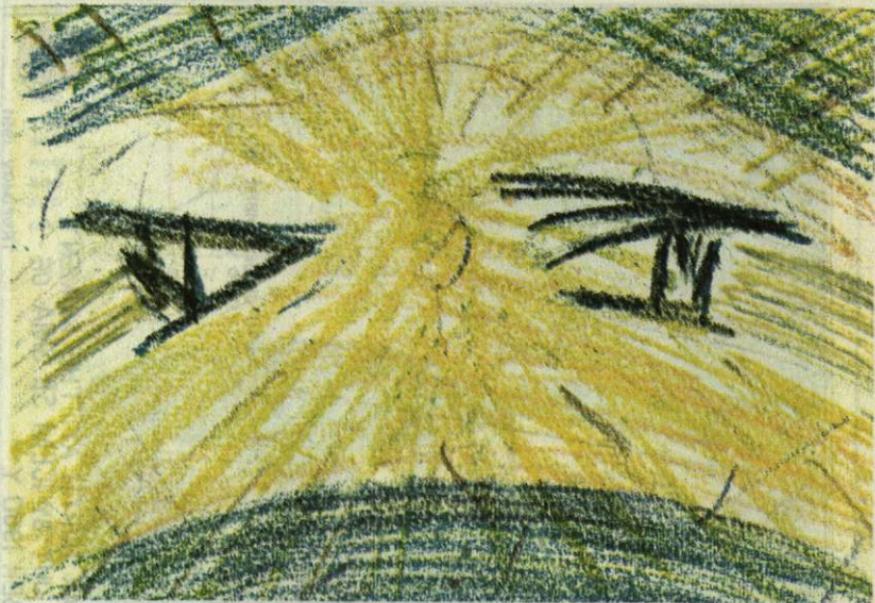


Fig. 41 Seance in Kozirev's mirrors (27.12.91, 11:45 - 13:45, Korolev V.)

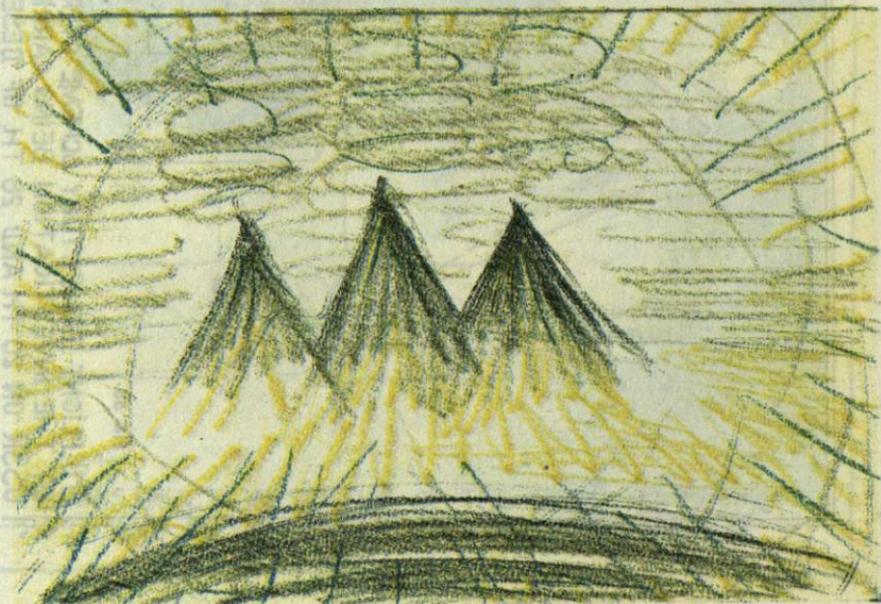


Fig. 42 Seance in Kozirev's mirrors (27.12.91, 11:45 - 13:45, Korolev V.)



Fig. 43 Seance in Kozirev's mirrors (27.12.91, 11:45 - 13:45, Korolev V.)

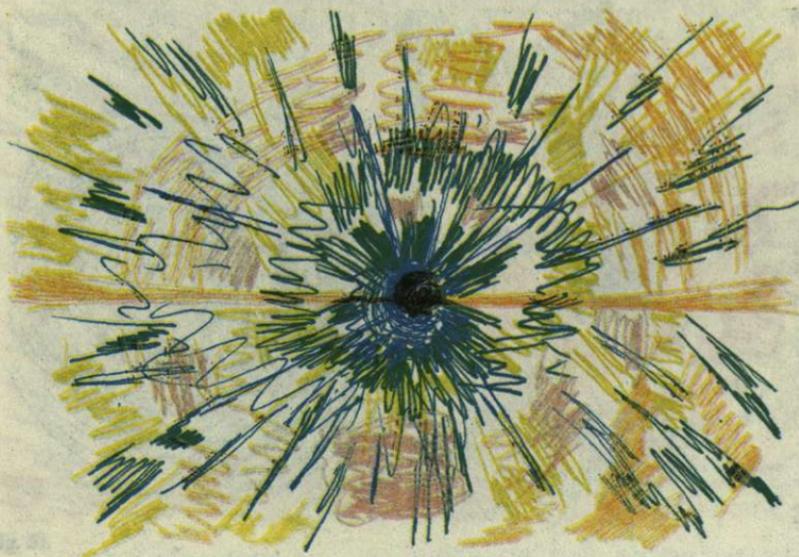


Fig. 44 Seance in Kozirev's mirrors (27.12.91, 15:15, Rukin S.)

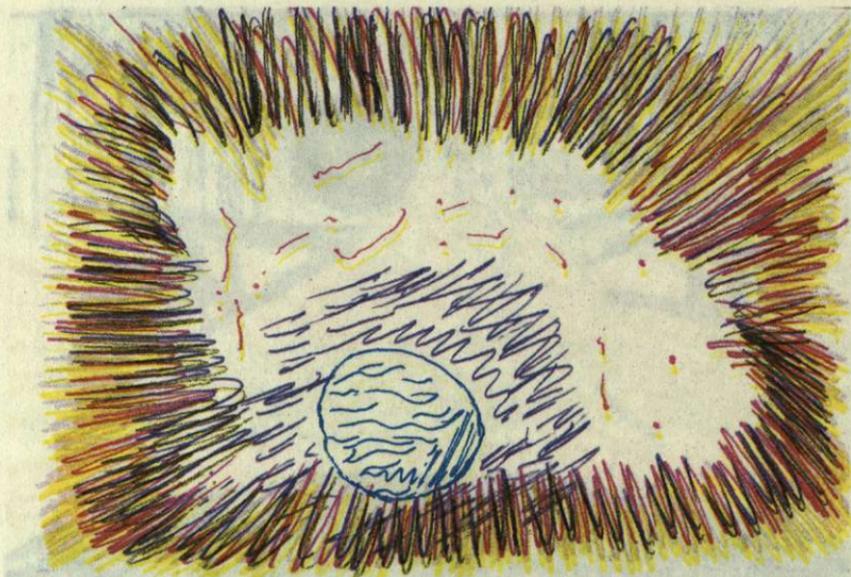
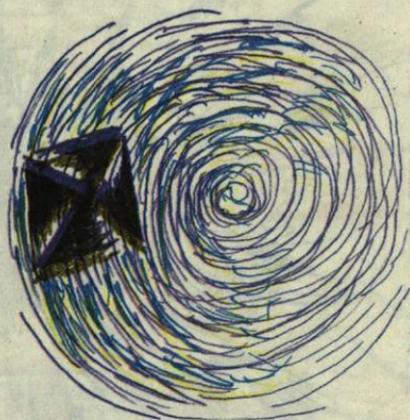


Fig. 45 Seance in Kozirev's mirrors (27.12.91, 16:40, Mazurov.)



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Fig. 46 Seance in Kozirev's mirrors (27.12.91, 16:40, Mazurov.)

Fig. 47 Seance in Kozirev's mirrors (27.12.91, 17:20, Shuvalov K.)

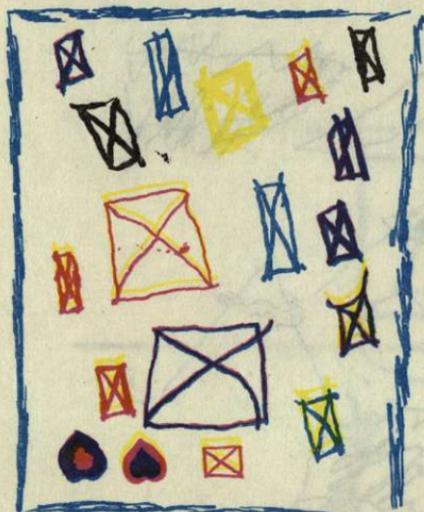


Fig. 49

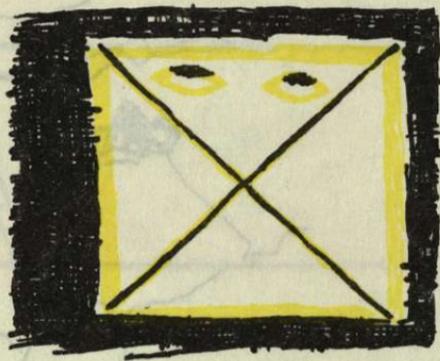


Fig. 50

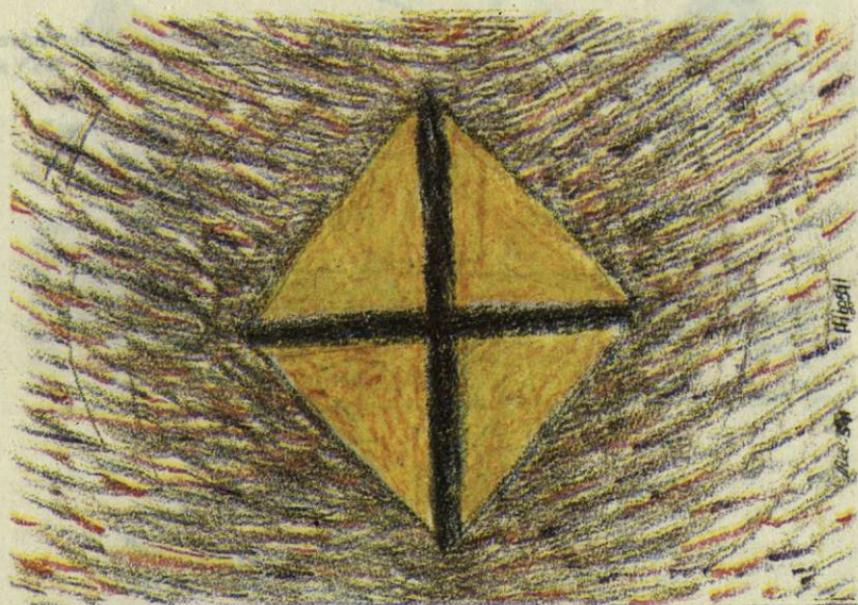


Fig. 51

Examples of identically received images in one seance in Korolyov's family at Dixon: by a 5 year old Efim (Fig. 49) , by Ekaterina, the painter's wife (Fig. 50) and by the head of the family - Korolyov V. (Fig. 51)

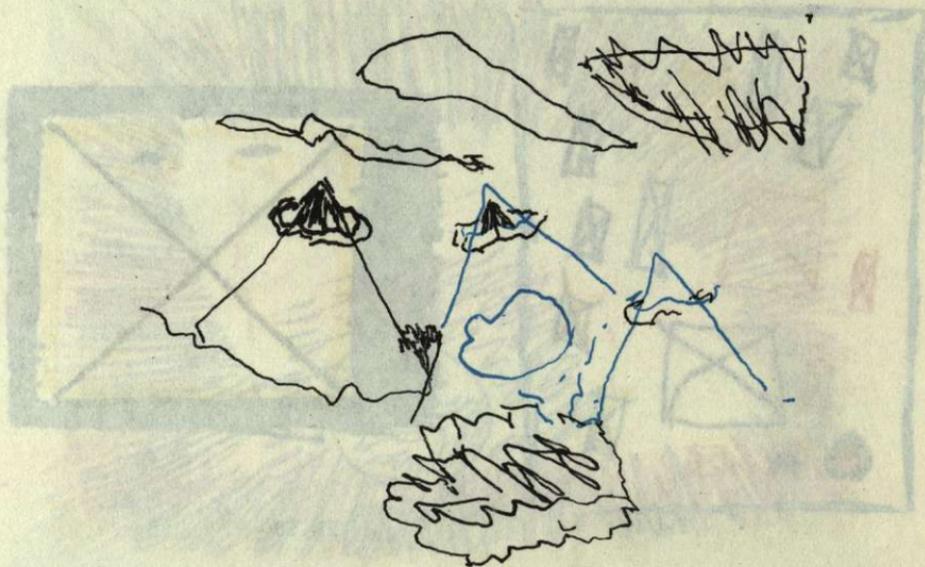


Fig. 52 Image (mountain tops), passed over Dixon TV communication systems and received by shaman's greatgranddaughter T. Aksenova in Ust-Avan location, out of the zone of TV signals reception

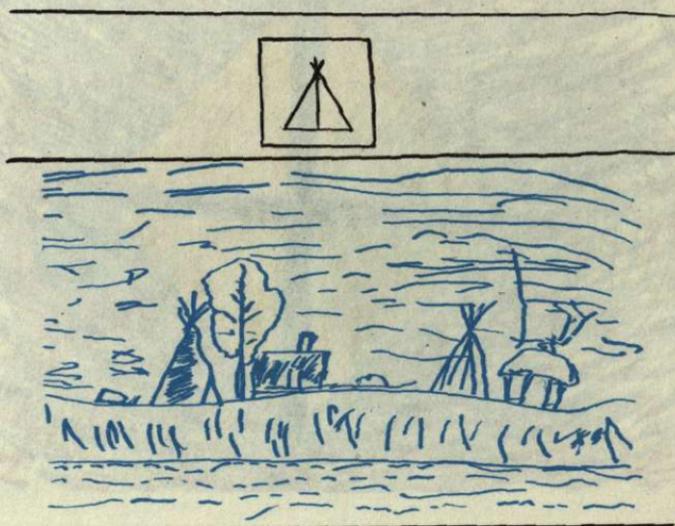


Fig. 54 "Shaman - stan" - a childhood image, received during a seance of the distant - image, tie by I. Kostinin, the shaman's grandson (the upper edge of the picture is a passed image)

I.



ii.



Fig. 53 I - image, passed from Kozirev's mirrors at Dixon during a seance of the distant - image tie. II - images, received by nganasan children between the age of 4 - 12 in Ust-Avan location at Taimir





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