

CONTENTS

A.A. Adamenko, L.A. Gatman The Formation of the Ecological Consciousness	7
... ..	
A.A. Adamenko The formation of integrated science of nature	8
... ..	
G.G. Akhmeteli, O.S. Ivanov, R.R. Yusubov To the Question of Interpretation of GDV-Phenomena from the Viewpoint of Medico-Valeology Thesaurus	9
.. ..	
O.S. Ivanov, G.G. Akhmeteli, R.R. Yusubov Operational Characteristics of “GDV NEUROTONUS”	10
.. ..	
G.G. Akhmeteli, O.S. Ivanov, R.R. Yusubov Operational Characteristics of the “GDV VALEODYNAMICS” Program	11
G.G. Akhmeteli, O.S. Ivanov, R.R. Yusubov “GDV BFB” Program	11
Avdeev S.D., Gajova G.I BIONETWORK Interactions Between People	12
Avdeev S.D., Avdeev E.S. Researches of Influence of System Adapters SVETLITSA- WINDOWS on Spatial Heterogeneity of Inhabited and Office Rooms	13
Zh. Batsuur’, E. Enhmaa, B. Purevsuren, B. Damdinsuren, C.Munhbaatar GDV Analysis of Healing Results of Patients Treated by Bioenergy of Purevsuren Bagszhavyn	14
.....	
Zh. Batsuur’, E. Enhmaa, B. Purevsuren, B. Damdinsuren, C.Munhbaatar Preliminary characteristic of types of dreams and bioenergy properties of healer Purevsuren Bagszavyn	15
.....	

Christian Bordes	
Evaluation of Therapeutic Efficiency Confirmed by Different Tests and EPC GDV Images	15
....	
Carmen Boulter	
The Affect of the Great Pyramid on the Human Aura and the Chakra System	16
....	
Tom J. Chalko	
Nature of Gravity	17
Tom Chalko	
Introduction to Physics of Consciousness	18
..	
A.E. Chistopolova, V.I. Sorkina, A.R. Krasnova	
Effective Way of Ensuring Ecological Comfort	19
...	
I.I. Demidova	
Possible Defects of Field Structures	20
.	
A. Drozdovski, I. Gromova, K. Korotkov	
Express-Evaluation of the Psycho-Physiological Condition of the Paralympic Athletes	21
...	
S.G. Dzhura	
Multidimensional Consciousness	22
.	
S. Erdenetuyaa, Ch. Natsagdorzh, Sh. Mönzhargal	
Some Measurement Results of Bioenergy of Mongolian Mineral Waters	22
.....	
I.D. Kalinin, V.A. Rogalev	
Early Diagnosis of Virus Infections	23
.	
K.F. Komarovskiy	
Water Not Only Grants Life But Also Saves It	24

..	
I.E.Korobka, T.V. Zarubina, P.V. Strutchkov, E.G. Yakovleva	
Condition of the Vegetative Status of Healthy People and Patients With Arterial Hypertension in View of Their Gender Features	25
I. E. Korobka, E.G. Yakovleva, T.V. Zarubina, K.G. Korotkov	
New GDV Criteria of Diagnosing Arterial Hypertension and Vegetative Dysfunction	27
K. Korotkov, O. Churganov, E. Gavrilova, O. Shelkov, A. Korotkova, A. Anikin	
The Long-Range Effects of the Reconnective Healing	28
.....	
Korotkov K.	
Measuring Energies at the Island of Andaman See and Cambodia	29
Korotkov K.	
Project your Present to the Future	30
.	
Korotkov K.	
The Principles of Data Evaluation	30
.	
Nataliya Kostyuk , Hari Har Parshad Cohly	
Gas Discharge Visualization: a Tool to Evaluate the Stabilization Effect of Physical Exercise	32
.....	
E.V. Kozlova	
A Woman in Anger. A GDV Observation. Fragment of GDV Consulting –a Special Case	33
.	
A.I. Krashenyuk, G.N. Dulnev, S.E. Postnov, V.V. Tonkov, P.A.Efimov, A.A. Boitsova	
Structural Changes of Endocellular Water – the Biological Basis of Processes of Energy-Information Exchange in Human Body	34
Kurik M.V., Pesotskaya L.A., Gorovaya A.I., Lapitskiy V.N.,	35

Botsman E.I., Cherepanova-Lagutenko R.S. Kirlianphotography Signs of Natural Water	
...	
I.E. Lebedeva On the State of Modern Multidisciplinary Studies	36
....	
I.E. Lebedeva Experience in Application of Modern Principles of Data Analysis in Medicine and Psychology	37
.....	
Richard Lee Sputnik and Atmospheric Stagnation	38
..	
Krishna Madappa SCI Lab Evaluations of Sun Eclipse (05/20 to 05/21/2012)	39
...	
A.V. Mokrousov, V.G. Efimenko, O.V. Sorokin, L.I. Lisitsyna, V.Yu. Kulikov Features of Microcirculation and Vegetative Balance in Groups with Various Characteristic Signs of GAS-Discharge Photos of Acupuncture Points	40
.....	
O.V. Mosin, I. Ignatov Russian Natural Nanotechnological Mineral Shungite in Water Processing	41
O.V. Mosin, I. Ignatov The Contemporary Representations on the Structure of Water .	42
.....	
Orlov D., Korotkov K. Quantum Feng Shui	42
Orlov D., Korotkov K. Development of System for Detection of Human Group Reaction to the Potential Informational and Psychological Influences	43
Orlov D., Korotkov K. Method for Mathematical Processing of “EPI/GDV ECO-	44

TESTER” Experimental Data in Monitoring of Environment	
Ovsyannikov E.S. Psychosomatic Component of Chronic Obstructive Pulmonary Disease in the Interpretation of GAS Discharge Visualization Parameters	45
Piotrovskaya M.A. Psycho-Energetic Characteristics of Individuals with Different Adaptation Potential	45
V.N. Pozdnyakov, E.N. Yanovsky Meeting With Nature	46
Yu.D. Rodina GDV Technique in the Psychological Study of the Role of Heart in Human Life	47
.....	
Roger Taylor Studies on “Life-Energy” by Means of a Quantitative Dowsing Method	48
Semenikhin E.E., Zelyakova I.N., Kozlov A.V., Kozlova N.V. GDV-Technic Possibilities in Assessment of Individual Sensitivity to the Musictherapy	49
.....	
V.V. Senkin Sequence of the Results Description of the GDV Examination - the Hierarchy of Diagnostic Conclusions	50
.....	
S.S. Sergeev, O.I. Shekh, N.V. Sherbakova Regulation of the Internal Energy Flows	51
V.F. Sharkov, E.M. Bagirov, N.M. Shlaifshtein Verification of Physical Artefacts in the Processes of Complementary Medicine and Spiritual Practices	53
.....	
V. Sharkov, E. Bagirov, N. Shlyafshtein Complex Experiments in the Process of Healing Sessions	54
.....	

Shishkanov S.F., Nikolaeva E.A., Evseev D.A. GDV-Bioelectrography Method in Diagnostic of Parasitic and Microbial Invasions and Their Treatment by Frequency- Resonance Methods	55
.....	
Shishkanov S.F. GDV-Bioelectrography Method in Diagnostic of Hip or Knee Replacement in Depressed Patients	56
.	
M.L. Skuratovskaya, L.P. Svetitskaya Introducing Methods of GDV-Graphy in Vocational Training of Logopedists and Defectologists	57
E. Yu. Strukov, N. V. Tuzhikova Application of the GDV Method for Prognosis of Post-Operative Delirium	58
Trofimov A.V. GAS-Discharged Vizualization of Cosmoholographic Conjugations in Living Matter	59
.....	
E. Yanovskaya, M. G. Starchenko Influence of Intellectual Activity of People Dealing With Stereotypical or Non-Stereotypical Issues on GDV Parameters ..	61
.....	
S.V. Zenin Information System of Physical Space and GDV	62
..	

THE FORMATION OF THE ECOLOGICAL CONSCIOUSNESS

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The expression ecological consciousness is introduced for the denomination of the scientific ideology, constructed by the synthesis of the natural and humanitarian knowledge. On the ground of the modern investigation we are able to come to such a conclusion: the Bible is nothing but a science-popular book, shows the world outlook of the previous civilization, called in our time by such denomination as Atlántida. The initial Bible notion is interpreted in the modern terms: the God means the initial information for the Universe creation, i.e. the totality of the natural laws, taken together. The conventional denomination Saint Spirit means the planet nonelectromagnetic radiation, which spreads from Earth volume and stimulates the different processes on the planet surface. The noun Spirit shows a wave essence whereas the adjective Saint refers to this radiation ability for the biological processes stimulation in alive nature, including flora, fauna and the famous Homo sapience population.

The human society has to give up the known notions “people” and “nation” which produce the enmity among people and to introduce the science notion ecological community i.e. the people totality united by certain ecological conditions. On this notion basis it is formatted the science ideology, which shows the existence of the human organism connection with environment and gives up the barrier between the science and religion, which contains the information about the ecologically pure technologies intended to be recovered in the XXI century. The regeneration of the previous civilization achievements, including the world outlook and the ecologically pure technologies, provides the human society to solve the problems arising due to the Earth population increase under the mineral resources exhaustions.

THE FORMATION OF INTEGRAED SCIENCE OF NATURE

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In this expression the adjective "integrated" means the following: generalized, constructed taking into account the covered influence of the Earth on the biosphera. The influence is produced by the two nonelectromagnetic substances, the radiation and the magnetic-like field, known in the antiquity, lost in the middle ages and repeatedly discovered in the XX century. The nonelectromagnetic substances are connected with the atom nucleus and thus for them the following names were introduced: hadron radiation and hadron magnetic field.

The word "hadron" means "strong", it is mentioned the strong bind between the particles in the atom nucleus. The hadron radiation exists independently of known kinds of nuclear radiations (alpha, beta, gamma) and plays the more essential role in nature compared with the known kinds. Unlike to the known kinds, arised by the structural changes in nucleus, the hadron radiation is generated due to the nondestructive vibrations of the nuclear particles.

The planet hadron radiation, spread from the Earth volume, stimulates the biological processes in the biosphera, including flora, fauna, and Homo sapience population. By means of the biogeneous hadron radiation, known under the conventional name "biofield", it is produced the remote communication between the biological objects (telepathos).

The hadron magnetic field arises under the nuclear particles ordering like the usual magnetic field arises under the atom electrons ordering. The hadron magnetism is revealed by the phenomena, connected with the gravitation force compensation (telekinesis, levitation). Namely the hadron magnetic field is the basis of such known human substances: memory and soul.

ON THE INTERPRETATION OF GDV-PHENOMENA FROM THE VIEWPOINT OF MEDICO-VALEOLOGY THESAURUS

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Human health has multiple aspects; its measurement enables us to solve personal and public problems of different levels. The word "health" has many meanings. This is a state; a state of wellbeing; a state of physical, mental, social and spiritual wellbeing ... Concisely, health = a psycho-physiological state + adaptable resources where the first composed is a set of actual parameters at the moment of registration of the «live system» - man, and the second is his potential possibilities in each aspect of health. Simultaneous recording of physical (anthropometrical), physiological (functional), mental (psychological) and social and psychological characteristics of the person is designated as multifunctional psycho-physiological test (MPPT). In parallel to multifunctional testing the authors also recorded the parameters of external environment and designated such procedure by the term "polymedgraphy". The program «GDV Neurotonus» provides express diagnostics of the psycho-physiological status by parameters of the vegetative (sympathetic) tone and interhemispheric brain activity; and the program «GDV Valeodynamics» allows to estimate the level of human adaptable reserves by the above-mentioned parameters in an evident form. In practical application these programs are expedient for using in a tandem; however the «GDV Neurotonus» can be used independently.

Operational characteristics of the "GDV Neurotonus" program

The current psycho-physiological state of man is formed as an integrated result of its interaction with the environment. The tuning to

the environment is designated as adaptation. Any adaptation has its psycho-physiological cost. The expense of the resources spent for tuning and self-adjustment is accepted to designate as «adaptable reserves». Urgent adaptation to living conditions and activity is carried out by the nervous functional system. The delayed (tissue) adaptation is provided by the mechanisms of humoral regulation. The control mechanism of functional states of man is carried out by neuro-humoral and behavioral (psychological) ways. It is convenient to estimate the nervous system activity at physiological level by the vegetative tone. Its different values form a basis of classification of the nervous system tone. An appropriate level of vegetative activity forms a certain psycho-physiological status. Another characteristic of health may be a feature of neurodynamics in big cerebral hemispheres. It shows the features of adaptation to environment and activity conditions. In «GDV Neurotonus» the tone of vegetative nervous system is evaluated by the calculated GDV parameter «kCa», the sympathetic activity coefficient; and the asymmetry of interhemispheric neurodynamics – by «kAc», the GDV glow asymmetry coefficient. The «GDV Neurotonus» is a semi-automatic expert system.

Operational characteristics of the “GDV Valeodynamics” program

The adaptable reserves of man are made of structural reserves (cells, tissues, organs, functional systems), functional reserves (a range of possible homeostatic fluctuations of any function), mental (including psychological) reserves and social resources. This classification is conditional. The level of human adaptable reserves is measured calculate the probability of keeping the workability and viability in certain dynamically changing conditions of the ecological environment at the specified rhythms and activity modes. The importance of the adaptable reserves is so big that sometimes they are identified with health level. The absolute level of the adaptable reserves of a person can be measured only if they are completely exhausted after performing special loading tests which is not compatible with life. Therefore in practice their relative level is measured. The «GDV Valeodynamics» program, being the second element in the tandem of programs «GDV Neurotonus» - «GDV

Valeodynamics», provides visual information on adaptable reserves of the physiological structurally-functional level of man.

The “GDV BFB” program

A healthy person is adapted for the environment of his life activities. At the psycho-emotional level health is realized by mental condition of wellbeing, satisfaction, motivation to self-development and habitat improvement; at the physical level by resistance to adverse factors of the environment, by efficiency and working capacity, by fast restoration after seldom arising exhaustion; at the social level by productive and expedient communicative interactions with people. If a person experiences trouble, difficulties, morbidity, limitation in any sphere of his life, all these signs are united by a concept of maladaptation. Maladaptation occurs when adaptable resources are exhausted and the person spends more than he is able to replenish. If in the course of multifunctional testing dysfunctions are detected, then testing should logically be followed by a program of adequate correction of the psycho-physiological status of the person. The method of biological feedback (BFB) is one of the most physiologic procedures of such correction. In GDV-bioelectrography BFB - training of heart rhythm is used in the GDV-BFB program. Regular exercises with the GDV-BFB program develop psycho-emotional resistance to stress, normalize oxidation-reduction processes in cells, and provide a great number of health-improving and training effects. BFB - training is preventive, rehabilitation and developing procedure-training.

BIONETWORK INTERACTIONS BETWEEN PEOPLE

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In May 2011 scientific and practical expedition to Kazakhstan, organized ANO RPVD of Dokhodyagi was carried out. During all expedition monitoring of adaptable potential of participants of expedition was carried out. Monitoring was carried out by means of a complex of GDV. The environment potential was measured by means

of the "Sputnik" sensor connected to a complex through the test object. One of problems of expedition was creation of conditions for manifestation of BIONETWORK human relations when the group of people can be considered as uniform system with active light communications. Therefore the analysis of luminosity of participants of expedition and comparison of various parameters of a luminescence between people was carried out. It appeared that in the most informative parameter reflecting the BIONETWORK relations, the parameter – average intensity of a luminescence is. The attentive analysis of curves of intensity of a luminescence revealed interesting feature. Almost on all schedules it is observed sharp (for 20-40 %) change of this indicator, at all occurred increase in intensity of a luminescence. Such splash on intensity of a luminescence was fixed only one day – on May 16. Change of intensity of a luminescence occurred at all in one day that speaks about uniform transition of a network to a new quantum condition. Obviously, in this process the network was shown in the unity and integrity that speaks about high synchronization of participants.

RESEARCHES OF INFLUENCE OF SYSTEM ADAPTERS SVETLITSA-WINDOWS ON SPATIAL HETEROGENEITY OF INHABITED AND OFFICE ROOMS

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Modern construction norms and rules contain a set of parameters of quality with which should satisfy inhabited or office room. Usually heterogeneity of spatial characteristics isn't considered. Though our ancestors paid attention to similar characteristics. In language there are concepts from those times – «a pure place» and "godforsaken place". However, really to define such heterogeneity it is hardware rather difficult.

In the real work by us the problem of an assessment of influence on uniformity of space in the system adapter (SA) the SVETLITSA-WINDOWS was solved. Researches were carried out by means of the

GDV complex equipped with the sensor the Sputnik (Sankt Petersburg). The following characteristics were measured: The luminescence area, the Normalized area, Intensity of a luminescence. By results of measurements volume charts of distribution in space of measured parameters before installation of system adapter SVETLITSA-WINDOWS and in two days after installation are constructed.

The analysis of the received distributions showed that System Adapters SVETLITSA-WINDOWS reduce heterogeneity of spatial characteristics by 30-40 %. Long-term experience of use of SA SVETLITSA-WINDOWS allows to speak about beneficial effect of these devices on financial performance of firms, improvement of working conditions, increase of productivity and quality of work and rest of people, at the expense of reduction of heterogeneity of space. Use of these devices in nurseries and schools leads to growth of progress and reduction of diseases of children.

GDV ANALYSIS OF HEALING RESULTS OF PATIENTS TREATED BY BIOENERGY OF PUREVSUREN BAGSZHAVYN

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A citizen of Mongolia, healer Purevsuren Bagszhavyn healed more than 11000 patients from 2001 to 2011 with her inherent bioenergy, which, statistically, provides over 70 per cent of complete recovery. Mathematical-statistical analysis of the GDV data makes it possible to consider that the bioenergy of healer B. Purevsuren has the following regular effects: Restoration of the disturbed decrease of the energy homeostasis of not a single organ but the whole body; Adjustment of energy-entropy imbalance of not only a single organ, but of the organism as a whole; Corrections of asymmetry both of integral energy area, and entropies of the left and right body side, respectively, to the natural levels for the person in healthy state. Thus GDV analysis vividly shows a regular action of healer B. Purevsuren during which not only all inflammatory processes cease to exist but also malignant cells stop to multiply with their following resolving up to disappearance.

PRELIMINARY CHARACTERISTIC OF TYPES OF DREAMS AND BIOENERGY PROPERTIES OF HEALER PUREVSUREN BAGSZHAVYN

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A citizen of Mongolia, healer B. Purevsuren has an inherent ability of obtaining information about various phenomena that can be implemented in the nearest future, from a dream that comes, as a rule, at dawn. Analysis shows that the information she obtains in her dreams can be divided into 9 types. The healing ability of B. Purevsuren was revealed in 1979 when she removed the needle swallowed by a woman

by patting and stroking the woman's belly with her hand. On the healer's request, the physicists used a simple experiment to establish that in the process of healing with her bioenergy the healer emits infrared light with temperature from 400 C to 450 C, which, coming through a dim glass, reaches her patients irrespective of the distance. Bioenergy of B. Purevsuren established by GDV Eco-Tester features statistically significant parameters of area and intensity in comparison with the reference data.

EVALUATION OF THERAPEUTIC EFFICIENCY CONFIRMED BY DIFFERENT TESTS AND EPC GDV IMAGES

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What is more important than be sure that the remedy is perfectly adapted to the patient if we want to be efficient and above all no harmful to health ? This study follows 25 years of practice combining with an efficient and complementary therapeutic range. We'll see following the different testing methods chronologically used during a consultation. During that study, the patients will successively be checked by : Iomet profile test (Ionic Mineral Enzymo Therapy) to determine the bio nutritional profile, Biotest coming from a muscular testing and global meridian analysis, VAS vascular autonomic signal discovered by the professor Nogier from Lyon (France), primary respiratory movement (PRM) being an integral part of the cranio sacral mechanism, EPC GDV imaging which is here the most important data to comment and which will a synthesis of all the previous ones.

This study is practically based on high energetic homeopathy samples, with immediate effect. We'll comment here the overall energy bases on traditional Chinese medicine concept. This study confirms the homeostasy capability on the subject who can have an adequate therapeutic. Stating that the best results were obtained without filter, we have here the basis of an integrated prediction medicine. The quantum action demonstrated and validated by those products fully opens us the doors of tomorrow medicine. This natural therapy

validated by the quality of quantum images enables the optimization during a treatment and avoids all side effects that we know in conventional therapeutics.

“We have to do the best we can. This is our sacred human responsibility.” Albert Einstein. And especially in our above mentioned topic.

THE AFFECT OF THE GREAT PYRAMID ON THE HUMAN AURA AND THE CHAKRA SYSTEM

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Mystics have speculated that the Great Pyramid in Egypt was used to influence consciousness in ancient initiates. Scientific research on how the Great Pyramid influences human consciousness has been limited due to a scarcity of sensitive measurement instruments and difficulty in obtaining government permits to conduct studies on the Giza Plateau. This study assesses the affect of the Great Pyramid on the human energy field and the chakra system. Thirty-nine subjects from 8 countries participated in the study conducted in Cairo, Egypt. To what extent does going inside the Great Pyramid affect the human aura and is this affect maintained? To what extent does going inside the Great Pyramid affect the chakra system and is this affect maintained? To what extent does the Energetic Frequency compare between inside the Great Pyramid and outside the pyramid? The research was quantitative and used a pre-test-posttest experimental design. Data on the overall area of the subjects' Energy Field, the alignment of chakras, and the Energetic Frequencies inside and outside the Great Pyramid were collected using a Gaseous Discharge Visualization Electro-photonic Imaging (GDV/EPI) device. Analysis of Variance, comparison of means, and correlations between variables were calculated using SPSS software. Strong significant correlations were found between mean scores for Energy Fields and individual chakras suggesting that the Great Pyramid positively influences the human body. Future studies will be conducted with larger sample size to further understand patterns of entrainment among the chakra.

INTRODUCTION TO PHYSICS OF CONSCIOUSNESS

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The essence of Consciousness is the ability to process information. The necessary condition for information to exist is encoding. Without encoding information simply cannot exist. For this reason, physical nature of consciousness can be established by determining the necessary requirements for the associated information encoding. In principle, the information encoding cannot be random, because randomly encoded information is not retrievable. Therefore, the first necessary property of information encoding (not only in consciousness) is the deterministic order (coherence). One of the most fundamental observable properties of our consciousness is our privacy of thought – privacy of information processing in our consciousness. Our thoughts simply cannot be intercepted. Hence, the second necessary property of the information encoding in our consciousness is protected individuality of access.

What possible physical mechanisms for information encoding could facilitate the necessary requirements outlined above? Since our thoughts are easily reversible, at least several times per second, any chemical-molecular-DNA based mechanisms are highly unlikely, because they are not easily reversible.

The only plausible mechanisms of information encoding that our science today allows us to admit for consideration are of electromagnetic/electro-photon nature. Of these, we have to exclude the possibility of any analog encoding, simply because it cannot meet the privacy requirement arising from Observable Reality. The only possibility left seems to be some kind of digital electromagnetic/electro-photon encoding. Experiments in quantum computing confirm that single elementary particles (electrons) can store quite large amount of information. Storing and retrieving information from electrons occurs by means of photons. Hence, what is currently interpreted as “random”, “non-deterministic” and “unexplorable” behavior of elementary particles (the quantum world) can simply be manifestation of information processing. It is very important to note, that digitally encoded transmissions will appear totally “random” to any observer who is unaware of their encoding details. Quantum-digital encoding seems not only possible, but actually highly likely mechanism of information encoding in our

consciousness. Since quantum experiments confirm that elementary particles across the Universe can interact and exchange information, the entire Universe should be considered as a gigantic system for information processing. People on Earth do not have access to this information not because they are not intelligent enough, but because they dismiss such a possibility.

EFFECTIVE WAY OF ENSURING ECOLOGICAL COMFORT

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It is not the compliance of factors of environmental pollution to certain official norms that has gained a special value during the last decade but satisfaction of man with ecological conditions of accommodation. This man's subjective judgment of the degree of his ecological wellbeing is called ecological comfort.

The concept of ecological comfort includes estimation of the influence of traditional (visible) and nonconventional (invisible) ecological factors. A solution of the problem of creating ecological comfort from the point of view of neutralization of invisible harmful ecological factors is the major social task.

The "SibVerS" company systematized the major invisible harmful ecological factors: electromagnetic radiations, geopathic zones, unstructured water, and a "sucking-away" type of interaction between people and objects, and developed clinically and biologically tested neutralizers inverting harmful effects. Products for ecological comfort of "SibVerS" work at frequency level and represent a complex with a vivid synergetic effect.

Beginning from 2011 with the help of the GDV equipment the "SibVerS" company began to produce items with narrow-focused frequency impact on the organs and the systems suffering from ecological discomfort.

Thus in 2012 the research of frequency correctors "Good hearing" successfully came to the end. The correctors energetically influence the organs responsible for brain blood circulation through the biofield and thus improve hearing of the people living in conditions of ecological comfort.

POSSIBLE DEFECTS OF FIELD STRUCTURES

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The existence of field structures (FS) around biological systems has long been known and detected by various methods. Moreover, in the first century B.C. such human fields were depicted as halos around head. Shamans in Asia and Africa healed people with their hands working with field structures. From late XIX century many physicists and physiologists studied physical properties of field structures FS and showed that weak radiations make all the processes go in the live world. However, the dependence of FS changes both on outer and inner parameters is observed. The correlation has been established between diseases and FS changes and the methods of Voll, GDV and human adaptometry have been elaborated. It is known that man can influence his stressed state in FS with his thoughts, emotions and behavior. We suggest using the Lamé Problem and the problem involving the effect of a concentrated force in studies of a stressed state. It is shown that when a certain level of pressure is increased defects may form in FS and, as a consequence, will bring FS to destruction leading to restriction of communication with the world. For demonstration of relationship of live systems the model problems about the stressed state in composite models with inclusions are offered which have been solved by methods of photo-thermo-viscosity-elasticity. Examples of formation of cracks in FS resulted in the state of fear are shown. The role of variation of FS properties from pressure is discussed.

EXPRESS-EVALUATION OF THE PSYCHO-PHYSIOLOGICAL CONDITION OF THE PARALYMPIC ATHLETES

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Objective: Evaluation of top level athletes' psycho-physiological condition at all stages of preparation and international competition.

Design: Athletes have been tested during training and participation in the international competitions using methods of Galvanic Skin Response and Gas Discharge Visualization.

Participants: 18 athletes of Russian skiing and biathlon Paralympic team with damage of musculoskeletal system.

Results: It was found that the higher the level of Energy Potential achieved by the athlete in the training period, the lower the Stress Level in the competition time. The level of Stress of an athlete recorded in the training period significantly correlates with the level of Stress both before and at the time of important competitions and strongly correlates with the competition results.

Conclusions: Hand-held computer complexes "Mirage" and "GDV Sport" allow to make express-analysis of psycho-physiological conditions of athletes in the preparation and competition periods. Calculated parameters are very important in understanding athletes' level of preparation for competitions, as well as for the correction of training process in accordance with human organism condition and its response to loading. The process of measurements takes 1-2 minutes, it may be done at any place, even at the stadium; instruments may be run both from the power outlet and from the battery.

MULTIDIMENSIONAL CONSCIOUSNESS

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The most ancient theories of human composition and consciousness and modern physical theories are analyzed. The hypothesis of combination of the world's esoteric and physical picture is reasoned. The 7-D human consciousness and bodies in the esoteric tradition is combined with 11- D modern physical theory of superstring and M-

theory through the 3-D of the physical world plus the time coordinate. It is a feasible contribution in fulfillment of the Agni Yoga testament on transformation of the knowledge ancient symbols into the scientific formulae.

SOME MEASUREMENT RESULTS OF BIOENERGY OF MONGOLIAN MINERAL WATERS

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Measurements of glow area of all 34 mineral water samples from different springs, including 7 from Arkhangai, 3 from Bayan-Ulguiy, 6 from Bayankhongor, 3 from Goby-Altai, 3 from Uvurkhangai, 3 from Khovd, 3 from Uvs, 6 from Tov aimak of Mongolia were made with a GDV-bioelectrography device. The average glow area value of GDV measurements of mineral waters is 1715-3110. These mineral waters and springs are 1070-2350 meters beyond sea level; the mineral contents are 179-1156.8 mg/l at temperature 50-75 degrees, the acidity and alkalinity values are 6.8-8.4; radioactivity 14-44 micro roentgen/hour. The study shows that the average glow area is directly proportional to the mineral content. However, mineral waters of Bayan-Ulguisky aimak are at the highest level beyond sea level compared to other aimaks studied, but its average glow area is of minimal value. Conclusion: Bioenergy of minerals were measured for the first time in Mongolia using GDV-bioelectrography; it was shown that bioenergy is directly proportional to mineral contents and inversely proportional to altitude beyond sea level.

EARLY DIAGNOSIS OF VIRUS INFECTIONS

I.D. Kalinin, V.A. Rogalev

Modern medicine is concerned about a spread of a great number of the so-called essential diseases whose reasons are difficult to diagnose by available methods and whose treatment does not seem possible. Now scientists are coming to a conclusion that in most cases the reason for these illnesses is non-established virus infections. It is already known that in pathogenesis of certain types of cancer is based on virus. The possibility of early detection of such diseases may significantly simplify the treatment of the patient. However, currently the diagnostics of oncological diseases at the first and second stage of progress is impossible without the most sophisticated and expensive equipment. The most advanced diagnostic method is Positron Emission Tomography (PET) with cost of the equipment from 5 to 10 million dollars. In Russia with the population of 140 million there are about ten PETs, (for example, in the USA there are more than 1000). In 1996 the international conference «Science on the Threshold of XXI century: the new paradigms» was held in Moscow where the scientists accepted the global decision: «The further progress of science is impossible without taking into account the phenomenon which we call biofield or energy-information field». Being engaged in studies of human biofield and its components for many years, we have come to a conclusion: virus infections cause reduction of electromagnetic radiation of the damaged organ thus causing distortion of the borders of human biofield on the whole. We consider it necessary to bring to the focus of researchers variations of the form of human biofield. Measuring the asymmetry of biofield by various methods (including GDV), we define availability of viruses in the organism and in the way specified in patent № 2007124616\14 (026802) of April 20, 2009 we eliminate the infection.

WATER NOT ONLY GRANTS LIFE BUT ALSO SAVES IT

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An attempt to create the water environment with high extent of structuring at nuclear level and extremely high bioactivity reaching the limiting value at the expense of field effect, as in homeopathy, was undertaken. The results of water bioactivation in the north of Ladoga in 2008 were detected afterwards in all interfaced rivers and reservoirs (in St. Petersburg, Moscow, New York and the rivers of India). The memory of properties of all developed bioactivated media added to waters of Ladoga and the Neva has remained so far and is detected by physical biolocation. Water has healing properties which was confirmed by studies in the Laboratory of water of the Russian Academy of Medical Science carried out by academician S.V. Zenin S. V. ;healing from catarrhal, pulmonary and other diseases was detected in the city of Sortavala and in St. Petersburg. A considerable decrease in the number of flu cases during the last 4 years in Russia may also be attributed to bioactivation. Water not only perceives, but also relays emissions from Space usually in the form of vibrations. Our observations over the condition of natural water since 2003 have shown that unprecedented changes began in the summer of 2006: a sharp thousands-fold increase in the radius of the water biofield L and a few tens-fold frequency vibrations growth. Monitoring of water condition in 2006-2008 showed numerous anomalies of the L (t) course caused both by space events, and the society condition. Monitoring of water condition in the following years of 2009-2012 showed considerable changes of water behavior: 1) water ceased to react to the society conditions, 2) in special temporary points (the days of Christmas and Epiphany) the behavior sharply changed as well. Thus, when freezing tap water in the former years in the vessel with kind writings on it a graceful fir-tree structure grew up, and in the vessel with writings of the opposite meaning there was chaos and lack of harmony. In early 2011 only harmonious structures were observed. These changes can be explained by the fact that water on the planet gained the properties of Christening water neutralizing the action of pathogenic flora, and the main thing – protecting from any negative both internal, and external energy-information influences. If previously on January 18-19 a sharp increase of L was observed, in early 2011-2012 there was not any: on the

contrary, $L=0$ in our spatial measurement. The biofield was possible to be detected only on much higher frequencies corresponding to the 11th measurement in 2011, and to the 18th in 2012. Finally, for the first time during the transition from 2011 to 2012 the radiation of water became dual: at the same time there were detected $L>0$ ("plus", yang, the right-rotation field) and $L<0$ ("minus", yin, the left-rotation field).

CONDITION OF THE VEGETATIVE STATUS OF HEALTHY PEOPLE AND PATIENTS WITH ARTERIAL HYPERTENSION IN VIEW OF THEIR GENDER FEATURES

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By present time a great deal of information has been accumulated confirming the role of vegetative infringements in the progress and formation of arterial hypertension (AH). Thus special attention has been paid to the increase of the tone of the sympathetic nervous system. At the same time there are the data showing sexual dimorphism in vegetative regulation of healthy organisms, which in its turn causes different mechanisms of AH formation in men and women. However, despite of the already existing researches, they are not final and still waiting for further identification. The objective of this work was a comparison of the vegetative status of healthy persons and patients with AH in view of their gender features. Data analysis of cardiointervalography and gas-discharge visualization was made for 138 patients at the age of 20 to 70. For statistical processing of the obtained results the Excel program and statistical packages SPSS Statistics 17.0 and Statistica 7.0 were used. For checking the GDV parameter distribution and variability of the heart rhythm (VHR) for normality Kolmogorov - Smirnov criterion was used. Distribution of the investigated parameters, both in the general sample and in the groups under study, appeared abnormal. Therefore for data processing the nonparametric Mann-Whitney U-test was used. The following distinctions in the condition of the autonomic nervous system of both healthy men and women, and patients with AH were found. Healthy men and men with AH, in comparison with women, have displacement of vegetative balance towards the predominance of the sympathetic nervous system (SNS). Both healthy men and those with AH feature a decreased activity of the parasympathetic center of the oblong brain. The vegetative balance of healthy women and women with AH, in

comparison with men, is displaced towards the predominance of the parasympathetic nervous system (PSNS). Women with AH, unlike healthy women, show a less expressed regulation of the heart rhythm at a reflex, vegetative level of control, and a more expressed regulation at a lower, humoral-metabolic level. No similar variations of the heart rhythm regulation in men with AH were found. Patients with AH, irrespective of their gender, show a high degree of centralization of the heart rhythm control which indicates high activity of the sympathetic regulation mechanisms, however, not at the level of the oblong brain but at the overlying levels. Frequency of the occurrence of the vegetative balance displacement towards SNS predominance is not regularly distributed among men and women: it is observed in the majority of men – 62.1 % irrespective of their age, and only 25.0 % in women. Displacement of vegetative balance towards SNS predominance is observed not due to hyperactivity of the sympathetic center, but due to a decreased activity of the parasympathetic cardiac inhibitory center of the oblong brain. Frequency of the occurrence of a high degree of centralization of the heart rhythm control is regularly distributed among men (51.5 %) and women (52.8 %) in all age groups.

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comparison with men, is displaced towards the predominance of the parasympathetic nervous system (PSNS). Women with AH, unlike healthy women, show a less expressed regulation of the heart rhythm at a reflex, vegetative level of control, and a more expressed regulation at a lower, humoral-metabolic level. No similar variations of the heart rhythm regulation in men with AH were found. Patients with AH, irrespective of their gender, show a high degree of centralization of the heart rhythm control which indicates high activity of the sympathetic regulation mechanisms, however, not at the level of the oblong brain but at the overlying levels. Frequency of the occurrence of the vegetative balance displacement towards SNS predominance is not regularly distributed among men and women: it is observed in the majority of men – 62.1 % irrespective of their age, and only 25.0 % in women. Displacement of vegetative balance towards SNS predominance is observed not due to hyperactivity of the sympathetic center, but due to a decreased activity of the parasympathetic cardiac inhibitory center of the oblong brain. Frequency of the occurrence of a high degree of centralization of the heart rhythm control is regularly distributed among men (51.5 %) and women (52.8 %) in all age groups.

NEW GDV CRITERIA OF DIAGNOSING ARTERIAL HYPERTENSION AND VEGETATIVE DYSFUNCTION

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More and more data appear testifying to the connection of the development of pathological processes in the organism with functional condition of cerebral hemispheres. It is presently known that functioning of the sympathetic division of autonomic nervous system depends on the activity of the right hemisphere of brain, and that of the parasympathetic division on the left one. According to many researchers, development of arterial hypertension (AG) is connected, in particular, with a tone increase of the sympathetic nervous system,

therefore permanent activation of the right hemisphere can cause hypertensive reactions.

By means of methods of cardiointervalography (KIG) and gas-discharge visualization (GDV) 157 patients (77 men and 80 women) at the age from 20 to 70 years were surveyed; 39 almost healthy persons and 118 patients with arterial hypertension. From them 39 patients were with the 1st stage of AH, 58 with the 2nd and 21 patients with the 3rd stage of AH. Mann–Whitney criterion was applied for the statistical analysis in the Statistica 6.0 program.

In comparison of groups of healthy persons and patients with arterial hypertension by GDV parameters statistically significant distinctions ($p < 0,05$) were found, with the number of factors of the left hand that communicates with the right cerebral hemisphere twice exceeding the number of factors of the right one (parameters of the normalized area and image intensity prevailed). Search of distinctions between groups of healthy persons and patients with the 2nd type of AH did not show the difference in the number of factors. Comparison of the control group and a group of patients with 2-3 stage of AH, gave difference of parameters of the left and right hand, also in the ratio 2 to 1. In group of patients with AH the medians of such parameters as the area, the normalized area, intensity, width of spectrum, brightness of the image appeared lower, than in the control group, and the fractality of the image was higher.

The same tendencies were observed when the patients were divided according to cardiointervalography into two groups by factor of vagosympathetic balance (LF/HF), first of which was made up of patients with sympathetic tone, and the second of parasympathetic and normal tone. Comparison of the studied patients showed statistically significant distinctions ($p < 0,05$) with the number of GDV-parameters of the left hand exceeding 4,5 times the number of those on the right.

Patients with sympathetic tone compared with the group of those with parasympathetic and normal tone had lowered medians of the area, the normalized area, density, spectral width, image brightness and high image fractality. Then distinctions by index of tension of regulatory

systems were stated. The number of parameters on the left and right hand corresponded as 3 to 1.

Thus, the found changes can serve as diagnostic criterion for identification of patients with arterial hypertension and violation of vegetative balance.

THE LONG-RANGE EFFECTS OF THE RECONNECTIVE HEALING

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Objectives: The purpose of this study is to explore the long-range effects of the Reconnective Healing upon vegetative regulation of the heart rhythm, energy reserve parameters and immune status in experimental groups compared with control cohorts.

Methods: The Heart Rate Variability (HRV), Electrophotonic Imaging (Gas Discharge Visualization EPI/GDV) camera and blood analysis were used to assess subjects' state before and 10 days after Reconnective Healing. The double-blind test was carried out with 60 apparently healthy volunteers of the different gender and age. At the first stage of experiment 10 athletes were measured before and after intensive physical loading in initial condition and 10 days after two-hour session of Reconnective healing. At the second stage immune status from blood and physiological parameters were tested for 20 people in initial conditions and 10 days after two-hour session of Reconnective healing. Equal amount of people was in control groups having no interventions.

Results: Most of the recipients of these treatments experienced increase in fingertip florescence area and average intensity, improvement of heart parameters and improved immune status measured from blood.

With all of these parameters simultaneously improving, the patients received a good benefit from these sessions.

Conclusions: We may conclude that session of the Reconnection Healing had statistically significant positive influence on the functional state, humoral activity, physical condition and reaction to loading for the group of people in 10 days after the influence.

MEASURING ENERGIES AT THE ISLAND OF ANDAMAN SEE AND CAMBODIA

Korotkov K.

In January 2012 measurements with “Sputnik” sensor on Macleod Island, Mergui Archipelago, Andaman see and at Angkor complex at Cambodia were conducted. These data confirm sensitivity of the sensor, and at the same time it shows that in all the measurements of environment we need to take into consideration dependence of data both on the energy of the place itself and on the conditions of the atmosphere. For example, at Andaman Island sunset is very fast – as if someone turns off the Holy Light and day instantly converts to night.

Data collected at the Preah Palilay Temple were significantly different from all other measurements. The impression is that at the hotel it was just background “noise” variations, while at the Temple we have detected some signal of unknown nature. Interesting that nearby the Buddhist Temple the Energy of the signal was not very high, while the Variation was as high as in Preah Palilay Temple.

PROJECT YOUR PRESENT TO THE FUTURE

Korotkov K

“We live in the twenty-first century, but we do not fully understand what it means. Most people are involved in their everyday activity and they do not feel the wind of changes. At the same time we are facing a great times ahead. Humankind has entered a new phase of its development, and we may only guess what wonders we would see even in our time-span. But a lot depends on our own attitude to our life and our future. We may participate in creating a new step, or we may just spend time without any understanding of what is going on around.

With your conscious attitude you may recreate your own life and contribute to the development of Humankind. Be aware of the power of your mind, do not be afraid to use it in everyday activity, accept your life as a precious gift, as a present from God, as a unique adventure, and project your positive thoughts and visions to the future. Your Angels would bring you everything you want, but you need to formulate your wishes, and make it clear and precise. This is our destiny as humans, and I believe that we are only entering into a Shinning New World. When there is a consciousness revolution, there is also an exponential growth in people’s awareness regarding their day-to-day thoughts, feelings, attitudes and behaviors. That’s how we change the world.

THE PRINCIPLES OF DATA EVALUATION

Korotkov K.

Sensitivity of a CCD element was evaluated in [1] as follows:

$$\frac{1}{S} = \frac{W}{I} = \frac{E}{s \times I} = \frac{4P \times t \times T}{\pi \times d^2 \times I},$$

where W – relative energy of a light source [J/cm^2]; I – amplitude of a signal; E – energy of a light source [J]; s – illuminated area of a CCD element [cm^2]; P – power of a light source [W]; t – exposure time [sec]; T – filter coefficient; d – diameter of illuminated area of a CCD element [cm]; $s = \pi d^2 / 4$; $W = E / s = P \times t \times T / s$.

For $\lambda = 424$ nm sensitivity of CCD element was experimentally evaluated as 4×10^{-10} J/cm^2 and it was increasing with decreasing of wavelength. It is clear that this parameter depends on the type of CCD and optical system being used. So we have made an experimental evaluation of the GDV instrument using standard lamp with tungsten filament having power $P = 10$ W with relatively uniform field of illumination.

For this lamp the area of illumination in GDV programs was $S = 61000$ pxl with intensity specter (J) from 55 to 255 with max at 160 and average 220.

From this the equivalent power of the light source may be evaluated as follows:

$$P(W) = S \cdot I^2 / 61000 \cdot 200 \cdot 10 = S \cdot I^2 \cdot 8 \cdot 10^{-9}$$

GDV image of a healthy person may have parameters $S = 10000$ pxl, $I_{aver} = 80 \Rightarrow P = 64$ mW.

GDV image of a un-healthy person may have parameters $S = 4000$ pxl, $I_{aver} = 60 \Rightarrow P = 1.9$ mW.

$$\text{Energy } E(J) = P(W) / t(s)$$

GDV impulses with $t = 10^{-4}$ s follow with frequency 1000 Hz for 0.5 s. So the time of signal accumulation at the CCD element is equal to $5 \cdot 10^{-2}$ s, from this $E = 20 P$.

For abovementioned cases it will be 1.28 J and 0.38 J accordingly.

Equation for the Energy of Illumination in GDV case may be presented as follows:

$$E(J) = S \cdot I^2 \cdot 1,6 \cdot 10^{-6}$$

For simplicity we may accept:

$$E(J) = S \cdot I \cdot 2 \cdot 10^{-6}$$

Using this equation we may present both results of GDV-grams processing and the dynamic data in the units of the Energy of Illumination.

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GAS DISCHARGE VISUALIZATION: A TOOL TO EVALUATE THE STABILIZATION EFFECT OF PHYSICAL EXERCISE

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We have previously shown that meditation of 15 minutes by the repetition and contemplation of the Supreme Form by the followers of Radhasoami faith have stabilized the physical parameters as detected by Gas Discharge Visualization (GDV). The question that is paramount in the positive effect of meditation is what needs to be done to stabilize the positive health effects of meditation on the physical parameters detected in terms of Integral Area, Integral Entropy and Active Coefficient. Another study has shown the balancing effect of physical exercise on physiological level (with filter) by increase of the integral area of electro-photonic emission and decrease of integral entropy. The comparison of the parameters of the activity of the sympathetic and parasympathetic systems before and after physical exercise established that there exists heterogeneity and the influence of physical exercise varies from one individual to another. However, the increase of the autonomic tone after physical exercise in all participants is a very promising result towards further investigation of the positive role of physical exercise in cognition. It is our hypothesis that physical exercise superimposed on meditation will have lasting effect of meditation for at least a period of 24-48 hrs. The stabilizing effects can be detected by the read out which will be monitored every 12 hrs after the meditation. A pilot experiment will be done where subjects who

perform Surat Shabd Yoga superimposed with physical exercise will be monitored. It is conjectured that the impact of physical exercise will have stabilizing effect on the physical parameters measured by GDV.

**A WOMAN IN ANGER. A GDV OBSERVATION.
FRAGMENT OF GDV CONSULTING –A SPECIAL CASE**

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Human energy field is able to accumulate, store and use the information received from outer sources and various media of the surrounding world. The received information is qualitatively various and includes the shades of positive or negative poles of the return reaction. The arriving information is fixed at the field level in the energy structures of brain and chakras.

Adverse (forced-out) information, a "trace" of the endured psychological traumas, or emotions that were not properly responded to in due time remain at the unconscious level and can stay in these layers of mentality until provocative events create "favorable" conditions, capable to form a powerful impulse for their manifestation. Otherwise the person will plunge into a neurotic condition which will define all his subsequent life, engendering or provoking new conflict situations. The power and depth of the arisen neurosis is capable to have a destroying effect proportional to force and depth of the forced-

out emotions and unrealized desires, as a probable consequence of the overestimated welfare requirements to a single individual.

The force of resisting the requirement to directly realize the emotions arising in the course of vital events causes a response in the form of aggressive emission, anger.

The emotion of anger is one of the most ancient reactions of human body; at the heart of its nature there lies the self-preservation instinct. It is physiologically proved, and its origin dates back to prehistoric times of formation of nervous system of animal organisms. Anger is the reaction directed to protection of the posterity, upholding and preservation of the territory favorable for survival of the whole family, an animal clan. The importance of this sort of aggression assumes preservation of species in the evolutionary chain of development.

In human society a similar "animal" reaction is capable to find cultural coloring and to have an opposite meaning. Cultural life of modern man demands compliance to the standard norms and rules for preserving a possibility to communicate, solve relations of production and social, household and other tasks of a person being a Homo Sapiens species in a civilized way.

Moreover the modern person, unlike a representative of fauna, is allocated with intelligence, memory, thinking, an ability to act reasonably, to remember and keep traditions of ancestors, to live following spiritual and moral values, to bear responsibility for education of children, to solve personal and socio-public problems.

All these components of our civilized cultural life form an enormous load on one's mentality active opposition to which steadily causes an organism's response when moral, intellectual and cultural requirements don't correspond to nature and outlook of an individual personality, and psychosomatic changes can become result. All endured is fixed at field level and is capable to bear threat to the unconscious plan of human life, turning the person into «a mechanism of compliance» ...

Our research represents a special case, a separately taken history of a woman whose painful experience affected all parts of her life and became an example of an opposition of the inherent forces of nature to

time requirements, and was also manifested at her sublime level including bioenergy and physiology.

STRUCTURAL CHANGES OF ENDOCELLULAR WATER – THE BIOLOGICAL BASIS OF PROCESSES OF ENERGY-INFORMATION EXCHANGE IN HUMAN BODY

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By present time a significant amount of experimental data have appeared on definition of stream dynamics of information entropy in the course of using various medical technologies (leach therapy, osteopathy, shortwave therapy, «controlled breath») or different types of art therapy (music, dance) which allows to obtain experimental results as a formalized criterion of chaos (Cc) or criterion of order (Co). As a result of this work we obtained a number of new experimental data which allow to make an assumption that an impact on water structure in the human body may be «the terminal point of applying» various medical technologies. The obtained results enabled us to formulate the following conclusions:

1. The GDV method, Akabane testing, the Eniotron device can be used to study endocellular water in the human body.
2. The Eniotron device can be used for studying structural changes of endocellular water under the influence of various medical technologies and other factors on man.
3. The Eniotron device can be used for research of information transfer through channels (or meridians) when using various medical technologies, with endocellular water playing a crucial role in this information transfer.

KIRLIANPHOTOGRAPHY SIGNS OF NATURAL WATER

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The goal was to identify signs of bioenergy kirlianfotograficheskikh natural water when compared with its physical and biological properties. We investigated samples of water, both natural sources and from the monasteries in comparison with tap water, melt, distilled water. We used the method of classical kirlianfotografii X-ray film. Of the physical parameters measured ORP, pH, conductivity, solubility of impurities, fractal, optical anisotropy. The biological tests consisted of measuring the parameters before and after adding the water from sources in the Kiev-Pechersk Lavra (Kiev) Aronia berries. Physical parameters are insufficient to assess energy and water structure. Comparing the results obtained kirlianfotografii different kinds of natural water, and these physical measurements, the obvious was that the methods used do not record a deep inner fractal organization of the water. To estimate an informative analysis of kirlianfotografii both outside and inside of the water droplets. Kirlianfotograficheskie revealed differences of water from the monasteries and natural packaged, which can be used to assess their biological activity.

ON THE STATE OF MODERN MULTIDISCIPLINARY STUDIES

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We cannot deny the fulfilling of the prophecy made in the beginning of the 21st century by Doctor of Physical and Mathematical Sciences, Professor Y.A. Voronin, a well-known methodologist of

‘multidisciplinary’ studies (i.e. studies at the intersection of natural sciences and humanities). He wrote the following: “XXI century will see strong competition in the market of scientific services, drastic changes in the requirements towards personal qualities and qualifications of scientists... Production of new knowledge will become much more important than utilization of existing knowledge by means of superpower computers. Multidisciplinary studies will become dominant, especially those related to human development”.

Nowadays many fields of knowledge exist beyond the boundaries of academic science. Usually these areas are regarded as non-scientific, since they do not fully employ the apparatus of rigorous scientific and theoretical rationalization. On the other hand, we are accustomed to the fact that such areas as medicine have always employed alternative treatments that lack strict scientific grounds. Medicine has also supplied the majority of paradoxes that cannot be explained from the point of view of academic science, namely the paradoxes of human psyche.

The key reason behind the inability of scientific theories to explain numerous practical results of studies of human psyche, including its influence on the outside world, is related to the paradigm of parallel existence of two realities, which cannot be accepted by modern science. One of these realities is the astral world.

If we refer to professional publications on the subject, we find that two approaches have been historically established in science. The first one is “observe everything that you can, with as much detail as possible”, the second is “observe everything that you currently need”... The second principle currently dominates in the minds of many people. Its semantics contain an inherent paradox – we can study only what we already know – that contradicts the logic of development of the science and society.

This article discusses the hypotheses in which leading scientists from many different countries try to find explanations for the foundations of life and paradoxes of human psyche by accepting a new informational paradigm that does not reject any forms of knowledge acquisition.

EXPERIENCE IN APPLICATION OF MODERN PRINCIPLES OF DATA ANALYSIS IN MEDICINE AND PSYCHOLOGY

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Although the popularity of words “system analysis” is unquestionable nowadays, when it comes to applying its principles to data analysis in medicine or psychology, the popularity is markedly lower. This situation can be accounted for by several reasons, the main of which are the following: a great variety of forms and ways to describe the study objects, which often cannot be formalized due to their subjectivity and ambiguity, non-existent or vague interpretation of the target classes of states and the absence of clear-defined criteria for assessing the solutions to already formulated problems.

This study focused on solutions to specific and relatively new problems that required application of data analysis principles, depending on the level of structure of the problem, i.e. the clarity of its definition and the type of variables that were used.

In medicine one of such problems is the monitoring of condition of individuals that are subjected to intense external stresses, both physical and emotional, in their lives and occupations. This relates to aerospace, aviation, sports medicine and other fields of prenosological medicine.

The field of psychology continues to produce novel highly relevant problems, in particular those requiring a way to detect personal traits that enable individuals to efficiently cope with stress, and a way to promptly evaluate such capabilities by means of questionnaires.

And finally there is the crisis of modern medicine that has been much talked about in the recent decades and, notwithstanding the overall successes in biochemistry, biophysics, genetics and pharmaceuticals, has led to growing popularity of alternative and traditional medicine, including bioenergetic and spiritual healing. This study describes the investigations of several little-studied phenomena related to one of the fields of traditional medicine, namely to cosmoenergetic healing.

The results of preliminary investigations allowed to put forward a hypothesis about an additional objective way to identify psychoemotional state of an individual.

In all of the described situations the application of principles of system data analysis allowed obtaining fundamentally new information about the nature of processes under study and made it possible to increase the efficiency of real-world problems solving.

SPUTNIK AND ATMOSPHERIC STAGNATION

Richard Lee

Atmospheric stagnation has, until now, been a vague and only identifiable as a “feeling”. Entering a hotel room, often someone will say, “I feel really uncomfortable in this room”. The GDV with Sputnik offers a means to quantify aspects of this stagnation: Atmospheric stagnation causes reduced GDV image size suggesting that it reduces conductivity. Stagnation appears to concentrate electrical activity into a smaller area. Stagnation also causes greater brightness over this smaller area. This means the air, or space, becomes more luminous when electrically excited. Atmospheric stagnation also causes increased fragment count. This might indicate that electrical charges are concentrated and localized, not evenly distributed. Interestingly, the atmosphere appears to respond to stimulus in a way more closely resembling a living organism than a “scientific” medium. Upon applying a stimulus, the atmosphere will often first show a GDV image with an increase in brightness and fragments and decrease in size, as if it is reacting, tensing up. Then, after the stimulus is discontinued, the atmosphere will relax with GDV images showing reduced brightness and fragments and increased image size. Subsequent stimuli result in less and less response as the atmosphere seems to relax similar to the way the human body responds to electrical muscle stimulation. At first, there is a strong reaction, but as the muscle relaxes, the reaction becomes less and less. I also found that relaxing the atmosphere in

this way (measurable by GDV and Sputnik) results in reports from energetically sensitive people that they feel more relaxed. A remarkable aspect of Sputnik's operation is that it conducts the quality of atmospheric stagnation along a copper wire to the GDV, but not through the insulation. This conduction through wires of an energetic quality is not explained by conventional scientific understanding of the behavior of electricity.

Indoor Atmospheric Stagnation: My indoor research with the Sputnik has shown that the space in rooms can store atmospheric stagnation. Locations in a room where sensitive people feel heaviness, anger, fear or emotional discomfort, when measured with the Sputnik produce smaller, brighter GDV images with more fragments. While entire rooms might have elevated stagnation, it is often localized, either in an area where a person with strong emotions spent a lot of time, or in corner of the room. This stagnation, like cobwebs, seems to collect in corners.

Conclusion: Atmospheric stagnation is an important environmental condition, perhaps as important as quality of lighting, temperature, air quality electromagnetic pollution. The GDV with Sputnik offers important insight into this phenomenon in that it quantifies the subjective feelings of energetically sensitive people about an environment.

**SCI LAB EVALUATIONS of SUN ECLIPSE
(05/20 to 05/21/2012)**

Krishna Madappa

Study period was from May 20: 1509 Hrs to May 21: 0718 Hrs. Total time = 16 hrs + 9 min. Eclipse period was from 1800 hrs to 2100 hrs (USA - MST – May 20). 3 Sets of data were gathered from the following methods:

ECO SENSOR

WATER from POND

HUMAN ENERGY FIELD: Study of Chakras.(Pictures to follow)

Description of study:

The study encompassed 3 broad areas of applications.

ECO SENSOR. We can clearly observe an increase in energy values and the standard deviation energy values during the eclipse period.

WATER. Three subsequent measurements of pond water were done at every mentioned moment. We can also observe the shifts in the various parameters from base line to the actual “ring of fire” cosmic ceremony of the sun eclipse.

HUMAN ENERGY FIELD STUDY:

Transformation of human Energy and variation of the Energy Field measured from all 10 fingers. In the human bio field study of chakras, it is clearly observed how the chakras have been strengthened and in aligned resonance to a cosmic order, seen with the Vedic eye. The data sets from the sci-lab report clearly quantifies this field effect. As we see at the time of eclipse Energy came up and Energy Field became more balanced.

In light of these data sets and observations it is apparent of our interconnectedness to cosmic phenomena. Such patternings has the potential to awaken the human’s dormant cosmic nature to spontaneous evolution. OM

FEATURES OF MICROCIRCULATION AND VEGETATIVE BALANCE IN GROUPS WITH VARIOUS CHARACTERISTIC SIGNS OF GAS-DISCHARGE PHOTOS OF ACUPUNCTURE POINTS

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A research confirming diagnostic possibilities of the method of analysis of parameters and glow signs of gas discharge on the skin surface in the biologically active point area (the GDP BAP method) have been carried out. The research showed that various characteristic signs and the GDP BAP parameters can be attributed to the concrete physiological mechanisms of the vascular tone and physiological state of the human body connected with microcirculation features and vegetative balance in the probed region of the BAP evaluated by readings of cardiography and laser doppler flowmetry. The method is found perspective for further research of relationship of stimulated photoelectronic emission and the features of skin microcirculation in biologically active points. It has been found that in the group with higher brightness a lower nervous component frequency of regulation of vascular tone in the probed BAP region is observed. The group with needle streamers is characterized by a background vagotony of rest and also by higher capacity in a very low-frequency component of the neurohumoral regulation spectrum. At the same time the respiratory component frequency of LDF spectrum in this group is higher (fig. 2), and the frequency of the neurogenetic component of modulation of vascular tone is lower, which testifies to the relationship of needle streamers with a degree of neurogenetic modulation of the vascular tone relaxation process, which is also connected with cold damp hands of the examinee and with the lowered resistance that can be a GDP equivalent of this psychophysiological state. In the group with bunches of streamers a more rigid variation scope of the LDF-gram amplitude and a lower amplitude of miogenetic fluctuations of the vascular wall have been registered which testifies to the relationship of streamer bunches with a tendency to vasoconstriction. In the group with a more accurate contour of the GGP glow the miogenetic fluctuation frequency of the vascular wall is lower which indicates that the subjects have a higher vascular tone.

O.V. Mosin, I. Ignatov

Searching of new inexpensive filtering minerals of natural origin is the important stage on a way towards creation of new Russian filters of water purification and nanomaterials of future. Among the most known domestic natural minerals the big prospects in nanotechnology bears extracted in Karelia (Russian Federation) shungite - amorphous, not crystallized, fulleren analogous (the contents of fullerenes compose 0,001 mass. %) carbon containing mineral possessing high absorptional, catalitic and bactericidal activity. These unique properties of shungite allow to use it in various processes; in manufacture of high carbonated pig-iron and ferroalloys, fine-dispersion paints and powders, e. g. water treating. In given article the data are cited on prospects of using of shungite as a sorbent in water-preparation and water purification technique.

THE CONTEMPORARY REPRESENTATIONS ON THE STRUCTURE OF WATER

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The structure is defined by internal features of a structure of a molecule, a spatial arrangement of atoms, their interactions, presence of intermolecular connections and their interactions. As a whole, the structure of water is a way of distribution of atoms making the molecule and molecules in space. Features of a physical structure of a molecule of water and short-lived hydrogen bonds caused by electrostatic forces and donor-acceptor interactions between the neighbouring atoms of hydrogen and oxygen in molecules of water

create favorable opportunities for formation in water special nano-structures associates (clusters) having general formula $(\text{H}_2\text{O})_n$, where $n = 3-27$ and more, which are sensitive to external influences electromagnetic and acoustic fields, capable to receive, store and transfer the various information on the last influences. Structures of water clusters, estimated theoretically, are confirmed with the help of modern methods of the analysis: spectroscopy of a proton magnetic resonance, infra-red spectroscopy, diffraction of X-rays and neutrons on crystals of water, etc.

QUANTUM FENG SHUI

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Feng shui – is an ancient doctrine about a man and his interaction with the environment based on various omens, symbols and observations of the surrounding world. Feng shui gives us an opportunity to define the effect of the energy of space on a particular person and to find a solution how to change this effect. In the XXI century, it became possible to give recommendations on this topic, based not only on superstitions and intuition of feng shui master, but also on the scientific measurements. A specially developed method of measurements and processing the data from the “EPI/GDV Eco-tester” device with “EPI/GDV Sputnik” antenna allows us to define the level of energy (activity) of space in any kind of room. This approach was developed and is being realized in “AVD” company (www.avdspb.ru). Basing on the measurements of tens of places (flats, halls, churches and sacred places) in Russia and all over the world we have developed a concept that allows us to give a new scientific definition to such phenomena as abnormal zones, geopathic and technopathic zones. It also reveals that these definitions are not universal – they are dependent on a particular person. In example, for a young choleric

person norms and standards will be different from ones for an old phlegmatic individual. Things that were explained in ancient times with the use of different symbols now can be explained with a scientific measurements. We have come to a new era of feng shui science – quantum feng shui. A clear understanding of the physical and chemical processes occurring in the air surrounding us, gives us a solid foundation for the development of this new field of studying the world around us.

DEVELOPMENT OF SYSTEM FOR DETECTION OF HUMAN GROUP REACTION TO THE POTENTIAL INFORMATIONAL AND PSYCHOLOGICAL INFLUENCES

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Present work is concentrated on the development of the system for registration of human group reaction to the potential informational and psychological attacks. Special measurement procedure and processing methodology of the obtained data with the gas discharge visualization technology were developed. Method was tested in laboratories and during various mass events and showed excellent results. Developed system that consists of the “EPI/GDV Eco-Tester” device and the “EPI/GDV Sputnik” antenna allows the real-time non-selective monitoring of the environmental characteristics and non-invasive assessment of the functional state of a group of people. This system and method give an opportunity to register and study the emotional state of a group of people as well as their influence on the surrounding space. The developed method was tested during theatrical performances and opera concerts, seminars and lectures, and during group meditation sessions. In all cases we have observed correlation between the gas discharge parameters variation in time and emotional state of the audience. Special series of experiments showed the

correlation between the EPI/GDV images parameters, special psychological tests and influence of the low frequency low intensity sound on the group of people during their work.

**METHOD FOR MATHEMATICAL PROCESSING OF
“EPI/GDV ECO-TESTER” EXPERIMENTAL DATA
IN MONITORING OF ENVIRONMENT**

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Statistical methods for processing of “EPI/GDV Eco-Tester” experimental data in measurements of space with the use of the “EPI/GDV Sputnik” antenna were developed. They provide the opportunity for better quality and more adequate interpretation of the data. Due to the big series of experiments and development of statistical processing and assessing of the obtained data now we have an opportunity to reveal the studied phenomena in the environment and to assess non-specific (general) level of stability of its physical and chemical parameters. Basing on the developed method of mathematical processing of data in the future we should develop standards for standard deviation of different EPI/GDV parameters according to the correlation experiments. The developed method of statistical analysis allows us: to determine the overall variability of the different parameters of the space that affects its electrical capacity, and to study the influence of various phenomena on it, but it doesn't allow us to specify which of the specific physical or chemical parameters of the space has been changed.

**PSYCHOSOMATIC COMPONENT OF CHRONIC OBSTRUCTIVE
PULMONARY DISEASE IN THE INTERPRETATION OF GAS
DISCHARGE VISUALIZATION PARAMETERS**

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To investigate the psychosomatic component of various diseases at this stage of development of medicine more and more attention is paid to various non-invasive, including electrophysiological, methods.

The purpose of the study - to determine the possibility of bioelectrography in the evaluation of psycho-vegetative status and effectiveness of its correction in patients with chronic obstructive pulmonary disease (COPD).

Materials and methods. The object of the study was GDV-gramms of fingers of 104 patients with COPD 1-2 stages. The obtained images were processed by specialized software product "K", which was realized in intuitive interface algorithm for the submission and processing of Kirlian images in order to obtain their numerical characteristics.

Results. The analysis of the parameters of GDV-grams revealed that bioelectrography is an objective method that allows to evaluate the effectiveness of interventions which correct psycho-vegetative state, that positively affect the quality of life of patients with COPD.

PSYCHO-ENERGETIC CHARACTERISTICS OF INDIVIDUALS WITH DIFFERENT ADAPTATION POTENTIAL

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Currently adaptation is considered to be a complex multicomponent phenomenon consisting of: 1) adaptive capacity, 2) operational and instrumental components and 3) initiation block.

Aim of the study was to determine the differences in psycho-energetic state among the individuals with different adaptation potential (AP). This paper covers the introductory phase results of the study.

The main study group consisted from the individuals from a creative team, which developed high adaptation potential throughout physical exercises, social and psychological training and different creative tasks. For many years they work only in improvisation mode in dancing, music and other genres with high level of performance.

The results observed show that the high AP individuals demonstrate a higher level of functional homeostasis in psycho-energetic processes:

1. GDV-grams of High AP individuals have significantly larger Energy Field which means higher potential in functional energy, and low numbers of energy-deficient states.
2. GDV-grams of High AP individuals have higher levels of homeostasis (significantly lower rates for Form Factor, uniformity of GDV-grams fragments), which indicates a better behavioral and emotional stability, and ability to maintain psycho-energetic potential.
3. GDV-grams of High AP individuals have higher Internal Noise Level, which indicates a higher degree of mental stress. These results show, possibly, a special individual state, which provides the faster and efficient adaptation. This thesis requires further research.

MEETING WITH NATURE

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This essay is devoted to reflections about the need of preservation of human health and to the only true, in our opinion, solution of this problem, i.e. unification of Man with Nature.

It is authentically proved that bad ecological situation harmfully influences the health quality and essentially reduces the human lifespan. There have been numerous studies of this kind including

those carried out by the GDV method. Man is a system living in close communication with Nature therefore the problems of the external ecology become the internal problems of our health.

As a real example of the solution of these problems we suggest the reader to get familiar with the information on the wildlife area "Syabersky" in the Leningrad region.

According to medical statistics and to our personal observations, many long-livers featuring good health live in this place.

Also, we would like to share plans on carrying out GDV studies of this territory for ecological and energy evaluation of the wildlife area "Syabersky".

GDV TECHNIQUE IN THE PSYCHOLOGICAL STUDY OF THE ROLE OF HEART IN HUMAN LIFE

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For a modern psychologist who works with human personal problems it is important to be able to find new approaches to understanding of the complex, level-structured human psychic. Practice shows that when working with a desire to realize one's own true possibilities and to open new prospects of one's activity it is important to agree and harmonize mind and heart levels at which man gains the possibility to realize his own powerful inner programs which enable him to combine the wisdom of existence of all sides of personality, including spiritual, with the activities of business life. To study what is going on at the level of heart activity with man when he takes part in various group interactions we used Gas Visualization Technique with Chakra program determining the normalized value of human energy centers, chakras. We paid attention to what happens with the heart chakra values during group interactions pursuing some common targets. The following results were obtained: when the group is united during some

group interaction, harmonization of the group on the heart chakra occurs as if a group joining in this point takes place. That is, common tasks at psychological and more sublime levels bring man to the heart level of common action. For example, such unification is observed when singing Vedic mantras together.

From the energy point of view we sing not with throat (joining takes place not at the throat chakra level Vishudha, indicated in blue), but at the heart level where the group unification really takes place. Similar results were obtained during psychological group trainings of different kinds thus confirming the high significance of human heart in various philosophical and religious teachings, as well as in modern non-biased scientific medical studies.

«Heart is the king and the most important organ in human body... Heart is the concentration point of spiritual consciousness, as well as brain is the concentration point of reason consciousness». «It is necessary first to understand the centralization of heart, to study not inward but outward».

STUDIES ON “LIFE-ENERGY” BY MEANS OF A QUANTITATIVE DOWSING METHOD

Roger Taylor PhD

Metal particles set in a non-conductive matrix (“orgonite”) behave as a source of the “orgone” energy of Wilhelm Reich. A method was developed to dowse the intensity of such energy quantitatively with rods. Similar energy was dowsed around a large wooden pyramid, and a number of other sources. The activity of orgonite (but not any of the others tested) follows the sun, being highest at mid-day. Such activity is taken up from these sources by water, quartz and some other materials. Objective evidence of its effect on water was obtained by ultra-violet absorption spectroscopy.

This energy can be transmitted non-locally by quantum entanglement between similar images on paper – even across the Atlantic. In this latter case, however, it reached maximum some hours later in the afternoon, when the sun was highest at the location of the source in the USA. Transfer also occurred between samples of human hair, and was better when both samples came from the same individual.

Ormus (the “white gold” discovered by David Hudson) exhibits a similar energy. Dead Sea salt (DSS) was used here as the source. Whereas the original salt, and solutions thereof, had little dowsable energy, this was greatly increased by adding Magnesium phosphate (MP) – which is almost insoluble. Furthermore, ormus activity was found to pass from DSS solution into MP contained in a glass test tube, within a few hours – presumably by quantum tunnelling.

During the passage of ormus into MP, it can be imprinted with information. This was shown (a) by charging with either L- or R-torsion, then dowsing it while shielded in either sucrose solution, or turpentine; and (b) by charging with several frequencies from a Rife generator, which were then dowsed blind by Dr Cyril Smith.

The imprinting with either torsion- or frequency-information takes place just as well by non-local transfer. Furthermore, the remotely-applied torsion charge into water (either L- or R- by means of shielding, as above) was confirmed by UV spectroscopy.

It is suggested that dowsable energy appears when ormus atoms go from a random configuration in solution to a quantum-coherent configuration as they enter the crystals of MP and, more generally, that subtle energy, life energy, orgone, etc. may be field effects consequent on quantum coherence in the source.

GDV-TECHNIC POSSIBILITIES IN ASSESSMENT OF INDIVIDUAL SENSITIVITY TO THE MUSICTHERAPY

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Throughout 3 years in MADRA the considerable volume of investigations (it is analyzed more than 1200 GDV-images) was carried out which has allowed to establish that there is an individual sensitivity of the person to music. The determination of vibratory coefficient allows to raise efficiency of music therapy and to give out musical prescriptions. There is a next question - on what this individuality of influence depends?

One of important factors is the emotional spirit of the person on a music therapy session. When the person has not been ready to a music therapy session slight increasing of vibratory coefficient (3%) was observed, but if the person has been preliminary prepared for a session (a conversation about the music, directly ahead of listening a relaxation session), we observed substantial growth of luminescence area (23%) and vibratory coefficient (21%), thus entropy decreased (10%).

For a long time already it is noticed that music cannot be perceived by mind. Investigating the luminescence area of sectors the GDV-images corresponding to various organs and systems we have paid attention that people sensitive to music have a reliable increasing of the luminescence area in a heart zone (from 50 to 80% of cases). Except heart most actively react to music influence: nervous system, an epiphysis, hypothalamo-pituitary-adrenal axis and a thyroid gland. Moreover, there is a rehabilitation of interrelations in system of neurohumoral regulation of an organism. After music listening there is increasing of quantity of reliable correlation that testifies retrieval of a person to harmony and rehabilitation of the central mechanisms of regulation.

Thus, the music therapy should be a part of complex psychotherapy. GDV-technic allows defining parameters of individual sensitivity to music therapy and factors which cause its efficiency.

SEQUENCE OF THE RESULTS DESCRIPTION OF THE GDV EXAMINATION - THE HIERARCHY OF DIAGNOSTIC CONCLUSIONS

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An exceptional feature of the induced biopotentials method is its possibility of a multi-level demonstration of different states at different levels of organism functioning in norm and pathology. Thus a correct and professional analysis, a description and presentation of the obtained information are indispensable.

Understanding that a local symptom is part of the whole makes the importance to observe the hierarchy principle of significance of the obtained gas discharge phenomena understandable whose totality is described from the general to the particular. Detailed elaboration of diagnostic conclusions, differential comments are the subsequent stages constructed on the previous ones.

The hierarchy in diagnostics as reflection of the hierarchy existing in an organism is a unique possibility to connect the unjoinable, synthetic and analytical methods of assessment of body state; it will help the representatives of conventional and alternative medicine to comprehend the GDV method. The offered principle it both a methodical technique, a professional diagnosis made by an expert, and ordering of knowledge obtained using induced bioelectrographic potentials, which will allow to compare data obtained by various users of the GDV method.

REGULATION OF THE INTERNAL ENERGY FLOWS

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We present here the results of a 2-year research of regulation mechanisms of the internal energy carried out by the staff of the Institute of Applied Psychology.

The first stage of works was to identify the interrelations between the individual «energy map» of the person and the characteristics of the GDV field («Communicative Traces of the Energy Field», SPb, 2011).

Let us remind that man cooperating with the world around receives energy from outside. Further, the energy can either remain in the internal contour in a form of nervous-psychological tension, alarm, frustration, or to be transformed into constructive external activity. At physiological level, the inability of the organism to transform the received energy leads to a number of diseases which in the theory of psychosomatic frustration are considered as "non-responded" cardiovascular, endocrine, musculotonic and others.

At the first stage GDV-indicators of the four types of energy interaction with the environment (constructive activity, destructive activity, internal activity and energy impenetrability) were obtained.

The second stage of research was development of psychological instruments of energy transfer from the internal contour outside, i.e. formation of psychophysiological readiness of the subject to active interaction with the environment in various conditions of activity.

By means of gas-discharge visualization method we tested the efficiency of various programs directed to training the techniques of self-control. By the results of research a universal complex of respiratory and meditative techniques was developed, allowing to successfully overcome the consequences of a negative impact of external factors. The recommended daily time necessary for practice of psychotraining is 15-20 minutes for prophylaxis and maintenance of

working capacity, and 5-10 minutes for activation of functional states or quick rest, normalization of the emotional state, and minimization of actual stressful tension.

At present the complex has been successfully introduced in the program of a short-term psychological rehabilitation and represents an audio recording of meditative exercises 20 minutes in duration. Figures 1 (a) and 1 (b) show the total values of distribution of energy flows in two directions before and after listening to the audio recording.

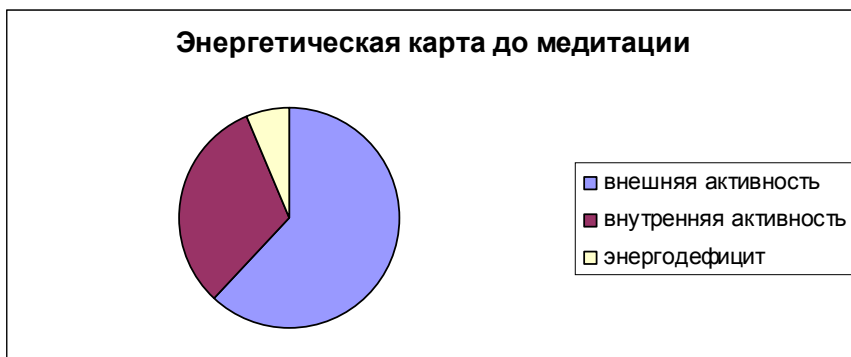


Fig. 1(a) Distribution of energy flows before using the complex



Fig. 1(b) Distribution of energy flows after using the complex

The totals are transformed from the GDV data obtained by means of the GDV Qualification program on 48 examinees. Except the specified

parameters positive changes of integrated parameters of the GRV field and growth of the functional-energy index were observed.

CONCLUSIONS: Rapid development of interdisciplinary methods of research and technologies provides the modern person with unique possibilities of an instant assessment of his psychoemotional status and effective regulation of the internal energy flows.

VERIFICATION OF PHYSICAL ARTEFACTS IN THE PROCESSES OF COMPLEMENTARY MEDICINE AND SPIRITUAL PRACTICES

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In modern science we can quite often see physical phenomena whose mechanisms of occurrence can not be explained within the limits of standard scientific theories. In such cases, it is acceptable to speak about artefacts. The progress of some of them, perspective in the practical view of scientific fields of research, for example, in Complementary medicine, substantially depends on the success of a scientifically proved procedure of turning even some parts of artefacts into facts. Experts still should learn to strictly scientifically and harmoniously combine traditional (western) and esoteric (energy-informational, oriental) procedures of treatment. How to do it with cautious recognition, but without deep studying of «the world of sublime energies» which lays the basis of many, if not all, «nonconventional sciences»? The difficulty, first of all, is that modern science jealously prevents the application of its own certificated diagnostic procedures for correct studying of another's "mystical" object where the known laws of physics work «somehow in a special way». Similar "heresy" quite predictably revolts many authoritative physicists, for they do not wish "to soil" their devices and laboratories with something "unscientific".

In such situation it is desirable to find a compromise way of verification of artefacts, even in one specific area of sciences, in Complementary medicine. The authors offer a creative, "engineering" method to solve the problem of the synthesis of knowledge, which many scientists today consider essentially incompatible.

From a variety of forms of «sublime energies» we have given the basic attention to studying the so-called «cosmoenergy channels », to be more precise, to their influence on material objects (water, air, etc.). It is known that «cosmoenergy» is rooted in India and Tibet. Empirically, yogines discovered human bioenergy system and its structure, as well as methods of work on it, including management of energy and information flows. Apparently, some of this knowledge made the basis of modern «Cosmoenergy». Practical procedures of «connecting to CE channels» are professionally and in detail described, for example, in monographs of President of the International Federation Classical Cosmoenergy E.M. Bagirov.

COMPLEX EXPERIMENTS IN THE PROCESS OF HEALING SESSIONS

V. Sharkov, E. Bagirov, N. Shlyafshstein

For many years a healing society “Cosmo-Energy” founded by Emil Bagirov in Russia successfully organizes training and healing sessions for thousands of people. At the moment more than 70000 Russian people living in different countries actively participate in “Cosmo-Energy” Society. Since the end of 1990s a series of complex experiments have been regularly held during “Cosmo-Energy” sessions under the guidance of Professor of Physics, Victor Sharkov (Ph.D.). Herewith we present a short survey of the most interesting results of the experiments.

Change of participants’ weight during healing sessions.

2. Water measurements

Changes of radioactivity.

Changes of infra-sound.

GDV Bioelectrography

Discussion

Presented data summarize observations made during several years at hundreds of sessions. Different healers demonstrated different efficiency, but in most cases the results were reproducible. In all cases there were used standard instruments. In many cases the results were statistically significant. These data are surely considered as preliminary, because investigations of this type must take into consideration numerous aspects, nevertheless the results obtained in the course of the these experiments may give a start for a new scope of work in the field of bioenergy and lead towards a new approach in the comprehension of the Universe and its interaction with Human Consciousness.

**GDV-BIOELECTROGRAPHYMETHOD IN DIAGNOSTIC OF
PARASITIC AND MICROBIAL INVASIONS AND
THEIR TREATMENT BY FREQUENCY-RESONANCE METHODS**

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Parasitic and microbial infection weakens the human organism. According to epidemiological studies around the world we can see the growth of microbial resistance and reduced the number of effective antibiotics which use in treatment. The scienceis developed new technologies of treatment of resistant infections.

We have carried out studies in patients with lambliosis (n = 12, age 14-54 years, men - 3, women - 9) and Chlamydia trachomatis infection (n = 16, age 23-60 years, men- 4, women - 12). All patients underwent a course of pharmacological treatment, which proved to be ineffective or

may not have been carried out for various reasons. The laboratory examination revealed elevated their antibody titers class IgG, confirming the presence of chronic infection in human body.

All patients examined by GDV-bioelectrography and vegetative-resonance (R. Voll) diagnostic methods before and after 3 weeks of the resonance-frequency therapy (devices "IMEDIS", "Radomir", "Zapper"). Laboratory tests have confirmed the effectiveness of treatment - 90% of patients had antibody titers returned to normal, in other cases - have declined.

There are reliable data ($p < 0.05$) decrease of the total area of GDV-grams before and after the successful treatment of infections. Topical diagnostic shows that the most frequently affected meridians of large and small intestines, bladder, liver, and kidneys. Frequency-resonance treatment eliminates the dysregulation of the human organism and is highly effective in treating of chronic infections.

GDV-BIOELECTROGRAPHY METHOD IN DIAGNOSTIC OF HIP OR KNEE REPLACEMENT IN DEPRESSED PATIENTS

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The diagnosis of the depression will be revealed in 50% of cases on patients with chronic pain syndrome. Objective: to assess the condition of the systems to adapt by examine by GDV-method, the study of quality of life (QOL) and measurement the heart rate variability (HRV) before and after joint replacement arthroplasty on coxae or gonarthrosis in depressed patients and healthy.

The analysis of treatment of 100 patients (90% - women), they underwent total joint arthroplasty (TEP) in the first group - 50 people. (average $42,7 \pm 20,3$ years) in the hip and the second - 50 people (average $44,5 \pm 18,3$ years) of the knee joints. On scales of HADS, CES-

D, Hamilton Depression was used by measurements at next periods of time – before, and 7-10 days and 3 months. afterthe surgery. At the same time period determined by parameters of GDV (n = 10 for each group), HRV and QOL scales to HAQ, EQ-5D, WOMAQ.

On HADS scale the depression found in groups of 47% and 55% of cases. In the first: situational (S) was detected in 6.5%, masked (M) - 25.3%, clinical (C) - 15.2%, while in the second: S - 3.6%, M - 32.1% and - 19.3%. At discharge rates of GDV-parameters, QOL and HRV in patients of first group recovered faster than the second (effect of the severity of the operation). When the higher severity of depression, than the more slowly recovering parameters of GDV, QOL and HRV. After 3 months trend has continued in a smaller percentage of cases, but the performance is worse in the second group.

Depression, more and more severe in patients suffered from gonarthrosis. GDV-method reveals objectively the dynamics of slow recovery systems, adaptation of the organism in depressed patients.

INTRODUCING METHODS OF GDV-GRAPHY IN VOCATIONAL TRAINING OF LOGOPEDISTS AND DEFECTOLOGISTS

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Realization of federal educational standards of higher professional education aiming at preparation of bachelors 050700 “Vocational (defectology) education” assumes a stage-by-stage formation of a number of competences in students, among which there are the following: an ability to use modern computer, information and telecommunication technologies (OPK-3) in their professional activity, an ability to organize and carry out psychologist-pedagogical

inspection of persons with limited health abilities with the purpose of specifying the structure of violation for a choice of an individual educational trajectory (PK-5); dynamic supervision with correctional developing influence for the purpose of assessment of its efficiency (PK-7).

For the purpose of formation of the above mentioned competences the discipline for choosing the “...” was included in the curricula of bachelor training in the preparation profiles “Logopedics” and “Preschool defectology”. Students are trained to work with the hardware-software GDV-Camera facility in the scientific laboratory of the Chair. Mastering the technology of GRV-graphy is carried out step by step. At the first stage during educational practice on the basis of a Chair laboratory in the 1st semester students get familiar with the hardware-software GDV-Camera facility, help teachers and senior students with ordering the research results, and making up a bibliography on the problem. At the second stage, in the course of studying the chosen discipline “Modern methods of functional diagnostics in vocational education” in the 4th semester students master GDV methods on obtaining pictures of GDV-grams executed in two modes: without filter – for assessment of energy state of the organism; with the filter – for the purpose of studying the psychophysiological state of the organism, working with the GDV Capture program which allows quickly and accurately to carry out capturing of GDV-grams of ten human fingers and with the GDV Energy Field program giving the chance of studying the energy and functional state of children and teenagers.

At the third stage, in the course of studying the chosen discipline “Methods of GDV-graphy in complex diagnostics of children and teenagers” profound studies of the organism state with the use of the GDV Diagram and GDV Chakra is carried out.

Students use diagnostics with application of GDV-graphy methods when writing degree and term papers, present the results of their scientific research at student's scientific conferences, at the All-Russia Festival of Science, publish them in journals and collections of scientific works. It should be noted that studying and using GVV

technologies always cause an invariable interest in students and a desire to use the technology in diagnostic work.

APPLICATION OF THE GDV METHOD FOR PROGNOSIS OF POST-OPERATIVE DELIRIUM

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Development of acute postoperative mental disturbances (PMD) is an urgent problem of modern medicine not only in our country, but also worldwide. The POD prognosis is difficult. One of perspective methods of objective prognosis and early identification of changes of the mental status in the postoperative period, in our opinion, is the gas-discharge visualization method. Thus the patients whose postoperative period proceeded without complications had the glow area parameter within the option of normal distribution. The patients whose postoperative period was complicated by development of delirium had the distribution of this parameter in time characterized by an increase of its initial value, and, what was the most remarkable, by an increase of amplitude of its fluctuation (spread) of relatively average size. However no obvious deviations in the psychoemotional sphere of patients were observed and the course of the postoperative period was estimated as usual. The developed picture of the POD was observed only 10-12 hours later after recording of the changes on GDV-grams. The emergence of these changes long before the development of the POD clinical picture objectively allows predicting the development of this complication in the patients operated on abdominal organs. On the 4th-5th days the POD phenomena stopped. The distribution of the glow area parameter of the GRV-gram tended to normalization. Thus, it is possible to speak about distinctions in GDV parameters in people depending on type of their highest nervous activity structure. This fact is necessary for considering in the preoperative assessment of patients.

GAS-DISCHARGED VIZUALIZATION OF COSMOHOLOGRAPHIC CONJUGATIONS IN LIVING MATTER

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The hypothesis, concerned universal holographic worlds and flows of inhomogeneous ether, interacting on the Earth with various forms of living matter (Kaznacheev V.P., 2004), was experimentally investigated. We considered gas-discharged visualization (GDV) as a new methodological approach to investigate water media and biosystems in conditions of microwave initiation of their “bioplasmatic” state in terms of living matter cosmogony. The device “Korrex” by company Kirlionics Technologies Int.Ltd with appropriate software and holograms with cosmophysical and other physiologically meaningful nonvisualized information (patent RF №2239860 from 10.11.2004) were used to study the distantly holographically processed water systems and media and also various biological objects – germinating seeds of plants, living cultures of stem cells (the “stick” fraction of monocytes), medicinal leeches, mammals (rats) and humans. Correlation analyses of the area and spectral density of GDV-luminescence of the objects and the intensity of solar corpuscular flows of different energies was carried out.

Results. It was shown the identity of the spectral density distribution of the emission of water suspensions of the original helio-geroprotective physico-chemical compounds and their analogs, carried through the holograms on the water systems. Thus it was proved that the holograms of a new type are the keepers and transmitters of analog physiologically active information. It was shown that the spectral density of GDV-luminescence of water extracts of the plants, developed in conditions of holographically-water mediated impacts of geroprotectors appeared to be substantially less than in control,

reflecting the changes of the plants metabolism rate. This is confirmed by the experiments with leeches. Before the study, GDV parameters of the urine samples of male rats aged of more than 1 year had a significant direct correlation link with the intensity of solar corpuscular flows. After 2 weeks of use of holographically treated water for drinking this dependence became significant inverse while anabolic processes increased and levels of testosterone in blood increased in animal organism. After 20 minutes of distant contact of the living culture of human stem cells with geroprotective holograms, the area and the spectral density of density of GDV-luminescence substantially increase. Correlation dependence of these parameters on the flows of high energy protons, which at the moment of registration are still many millions of kilometers far from the Earth, enhances. It is assumed that biosystems in this case reveal the ability for outstripping perception of cosmophysical factors and their belonging to holographic Kozyrev's Universe (Kaznacheev V.P., 2008), where future is already in present. At holographic testing of people - volunteers it was found that a short-term optical contact with the geroprotective hologram led to substantial weakening of correlation dependence of GDV parameters on intensity of flows of solar protons, electrons and X-rays of the Sun.

Thus, the holograms of a new type in the process of gas-discharged visualization of objects (water, living systems) exhibit their universal holographic belonging.

INFLUENCE OF INTELLECTUAL ACTIVITY OF PEOPLE DEALING WITH STEREOTYPICAL OR NON-STEREOTYPICAL ISSUES ON GDV PARAMETERS

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It is known that any intellectual activity can influence human physiological state. (Bechtereva N.P. The Usefulness of

Psychophysiology in Intellectual Life. Honorary Lecture. 14th World Congress of Psychophysiology. The Olympics the Brain. September 8-13, 2008, St.Petersburg, Russia. 24 p.). The purpose of this pilot study was investigation of the possibilities of the GDV technique for diagnostics and monitoring of psycho-physiological changes in human body during the process of solving stereotypical and non-stereotypical (creative) intellectual problems. The subjects (10 people, including 2 men and 8 women) were offered 6 intellectual tasks (4 non-stereotypical (creative) and 2 stereotypical (common)). While the people were thinking over the solution, GDV-measurements of the subjects' fingers were constantly carried out. Also, before all the tasks were performed the background GDV measurements had been made. All data were processed in the GDV SciLab program. In the analysis of the subjects' general state (on all 10 fingers) the statistically significant results were obtained. The GDV-images of separate fingers of the examinees were analyzed; thus special attention was given to the following finger sectors: 1R-1L – the cerebral cortex zone; 3R-3L – the brain vessels; 4R-4L – the epiphysis zone, 5R-5L – the heart zone. The area and intensity of the GDV-image glow appeared to be the most informative parameters. These parameters provided statistically significant differences in a number of factors: 1) between the background before the performance of all intellectual tasks and the background after that; 2) between stereotypical and non-stereotypical tasks; 3) between different types of non-stereotypical intellectual tasks. In all three cases the increase of the glow area and intensity of the background data after all intellectual loadings in comparison with the background before the loadings was observed. It shows that non-stereotypical intellectual loading positively influences the psycho-physiological state of human organism which is manifested by an increase of the glow area and intensity: it testifies to an increase in energy potential and adaptable reserves of human organism. The most interesting data were obtained on the fifth finger. In the process of performing creative tasks the glow area and intensity decreased, in comparison with their values during the performance of stereotypical tasks which testifies to the fact that creative activity for the majority of examinees requires substantial amounts of energy. However it is interesting to note that irrespective of the success or failure of the performance of creative tasks by the subjects their solution finally provided an increase of the energy potential and adaptable reserves of the organism which was manifested by an increase of the glow area and intensity of the background afterwards. On the whole the pilot study

demonstrated the following: 1) intellectual loadings are useful for the overall state of the organism, both psycho-emotional and physiological 2) The GDV-graphy technique for diagnostics and monitoring of changes of the psycho-physiological state of human organism in the process of coping with intellectual loadings in dealing with stereotypical or non-stereotypical issues (creative and not creative tasks) is very efficient.

INFORMATION SYSTEM OF PHYSICAL SPACE AND GDV

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The problem of interpretation of gas-discharge visualization data is closely connected with understanding the mechanism of the emergence of aura around bio-objects.

Any object leaves its information print in the environment of physical space after staying there: detection of these information prints drew considerably nearer the solution of this problem.

The results of pilot studies of the remote-address information transfer with application of physical-chemical and biological means of registration of the transferred signal or mental aim showed that the selective choice of a sample from a number of equivalent vessels with water made during the experiments is possible only in the presence of the information system of physical space providing existence of cells of space.

Thus relaying of the information signs on cells of space provides grounds to prove the remote-address nature of the information transfer.

In this case GDV showing the cells surrounding the body, or any other object of physical space, enables us to characterize their information contents in the corresponding analysis.

Thus interpretation of GDV can have a scientific basis at the level of molecular and field representations.