CONTENTS

Tiffany Barsotti A Proposed Spiritual Axis of the Bodymind: How the Reticular Activating System (RAS), Vagus Nerve and the Alta Major Chakra May Be the Nexus of Bodymind/Spirit Consciousness	6
Eshel Ben-Jacob	8
Reflections on Water as the Fabric of Life, from Bacteria to Human	9
Sam Berne Research Effect of Dolphins on the Human Biofield Using GDV Analysis	J
Sylvie Bordes	10
Sports Nutrition and Altitude (Acclimatization) Interest of Supplementation	
Bulatova T.E.	10
Dynamics of GDV-Images of Schoolchildren	
Frances Clarke, Elena O'Keeffe	11
The GDV Technique as an Aide to Evaluate. Art & Consciousness	
Davidovsky AG, Pischova AV, Osipov A.N., Minaylov V.N.,	12
Davydova N.S. CDV Diagraphica Proposite for Professional Computer as Development	
GDV Diagnostics Prospects for Professional Competence Development Evaluation of Future Specialists in Physical Culture and Sports	
Demidova I.	13
Introduction to Biomechanics of Field Structures	
Martinez Hewlett	15
The Case for Subtle Human Energy: Diagnostic and Therapeutic Approaches	
James Hopson	17
Correspondence Between EPI-GDV and Astrology	
Kulikov V.Y., Kozyaeva E.A., Sorokin O.V.	18
Influence of Weak Envirnmental Factors on the Hemostatic System	
and Mast Cell Effectors inflammation in Experimental	
Kuris I.V.	19
The Problem of Vital Function Safety in Trance Field under the Effect of the Energo-Informational Influence	
Lee A.G.	19
Use of the Hall-Effect Sensor for Research of a Brain Activity of the	
Person	

Lee A.G., Kulikov D.N. The New Sensor for Registration of Psychophysical Influences on the	20
basis of semi-conductor generators of noise	21
Mercier Béatrice, Prost Josiane GDV Use for the Evaluation of Bol D'air Jacquier® Breathing Session on Human Energy Fields	
Mary Milroy Psycho-Spiritual Analysis of GDV Capture through Astrological Assessment	22
Minaylov V.N., Kashitsky E.S., Voinov G.M. Ozone Therapy and GDV Diagnostics	23
Mohov D., Miroshnichenko D., M.D., Gorbatova A., Korotkov K., Churganov O., Labkovskaya E. Results of Complex Testing for Juniors in Biathlon Sport	24
Mohov D., Paoletti S., Mirosnichenko D., Shelkov O., Korotkov K., Shevtsov A., Labkovskaya E., Robertson L. Effects of Osteopathy Treatment on Athletes	24
Novikov K.N., Berdnikova N.G., Novikov A.K., Lyuzina O.Yu., Muhitova O.G., Yablonskaya O.I., Do Mihn Ha, Voeikov V.L. Estimation of Clinical and Pharmacological Effect of Hypoxen® in Patients with Copd by Chemiluminescence of Whole Blood in the Presence of Hydrated C® Fullerenes	25
Orlov D.V., Korotkov K.G. Remote Detection of Human Psycho-Emotional State with the Use of Electro-Photonic Imaging Method	26
Orlov D.V., Korotkov K.G., Mihailova E.Y., Strelkov G.V., Avimskaya M.J. Investigation of the Influence of Scenic Art on the Psychic and Psycho-Functional State of an Artist by the Use of electro-Photonic Imaging and Anuashvili Video-Computer Psycho-Analysis methods	27
Pavlidis Konstantin Metamorphology	28
Pearl E., De Vito D., Churganov O.A., Gavrilova E.A., Korotkov K.G., Shelkov O.M., Korotkova A.K., Labkovskaja E.V., Denisov S.V. Testing of the Influence of Reconnective Healing on Human Psycho-Physiological State	30
Andrianne Philippe Contribution of GDV Bioelectrography To Visualize The Biological Potential Energy of Tree Buds Used in Gemmotherapy	31

20

<i>Gerald H. Pollack</i> Γhe Secret Life of Water	31
Skuratovskaya M.L., Svetitskaya L.P. Functional State Monitoring of Younger Schoolchildren with ADHD in the Correcting Process of Statokinetic Functions Violations Using GDV-Graphy	32
Sergeev S.S., Sherbakova N.V. A 10-Year Experience of Bioelectrographical Measurements of Human Capital	33
Sergeev S.S., Sherbakova N.V. Communication Traces of the Energy Field	34
Shui Yin Lo A new Solid Phase of Water and Its Healing	34
Strukov E. Yu., Tuzhikova N. V., Nikulin A.A. Perspectives of Using GDV Technique for Prognosis of Post- Operational Delirium Taking into Account the Psychological Type of Personality	36
Mintze van der Velde, Albert van der Velde The Electric Bridge	37
Hugo Van Verdegem The Importance to be Together From the Heart and the Soul in This Time of Evolution	38
Ricardo Velásquez L. Squamous Cell Carcinoma Treated with Conventional and Alternative Medicine	40
Vladimir Voeikov Intrinsic Activity of Aquaeous Systems is the Basis of Biological Evolution	40
Voeikova T.A., Emelianova L.K., Tyaglov B.V., Novikova L.M., Debabov V.G.	41
Microorganisms in a Spacecraft. Problems and Perspectives Yakovleva E.G., Kovelkova M.N., Alexandrova E.V., Korobka I.E., Belonosov S.S., Zarubina T.V., Zubkova A.V., Struchkov P.V.,	42
Kholmanskaya I.V. Diagnostic System for Revealing Patients with Arterial Hypertension and Its Complications by Bioelectrography Method Yemelyanov A.N., Borisova M.V., Korotkov K.G.	43
The GDV Glow Character and Responses of NCTC Culture Cells to the Electromagnetic Radiation Effect of the GDV Camera	

A PROPOSED SPIRITUAL AXIS OF THE BODYMIND: HOW THE RETICULAR ACTIVATING SYSTEM (RAS), VAGUS NERVE AND THE ALTA MAJOR CHAKRA MAY BE THE NEXUS OF BODYMIND/SPIRIT CONSCIOUSNESS

Tiffany Barsotti

There are many important axes in human anatomy. Such as: Hypothalamus-Pituitary-Adrenal (HPA) Axis, the Liver-Stomach-Intestines (known as the Liver Triad Axis), Brain-Gut Axis are among a few well-known interactive system axes. This thesis will outline why we should consider adding another.

Since its discovery over 50 years ago, the RAS, in the reticular formation of the brainstem, has been studied extensively. The RAS, acting in concert with the vagus nerve (CN-X) (the most important nerve in the ANS), directs and modulates functions throughout the body to maintain a dynamic balance - both with respect to the external environment and the body's internal environment. Less well known to Western medical scientists is a parallel system that can develop in the subtle energy body of the human being. This energy body, while not visible with our current technology, has been known in the ancient esoteric healing traditions. A growing body of significant evidence of the subtle energy body's characteristics is developing among a small group of Western scientists. According to the esoteric teachings, as the human being develops from a state of alert consciousness toward a condition of Spiritually Aware Consciousness, after activation of the Alta Major Chakra at some point, the locus of control over the functions of the bodies (physical and subtle) must shift from the brain to Higher Mind.

This thesis proposes the RAS-Vagus Nerve-Alta Major Chakra Axis as the nexus of communication from Higher Consciousness to the physical and subtle energy bodies of the human being.

Neuroscience frames the Reticular Formation (RF)(reticulum Latin for "net like") as the gateway to conscious awareness. The RF contains the Reticular Activating System (RAS). With its function as the afferent and efferent cholinergic conduit the RAS activates an alert status throughout the brain. The RAS is said to be the gas pedal that ignites the diencephalon (the hypothalamus and thalamus) as well as the cortical areas of the brain. Functional Magnetic Resonance Images (fMRI) have given us the view or neural maps of what brain cortices become activated with thoughts and memories. Without a functioning RAS there is no bodily connection. The fMRI imaging reveals only cortical brain activity, identifying activity and consciousness. Without a functioning RAS there is a type of disconnection, akin to being "comatose" or "locked-in."

The RAS responds to stimuli from all sensory systems through its afferent and efferent pathways. These pathways integrate sensory, visceral, limbic, and motor functions. Reticular circuits branch throughout the central nervous system and exert important influences on autonomic regulation of vital organ systems, levels of alertness, sleep cycles, somatic motor activities, pain modulation and behavior.

In this image the left hand at the base of the skull points to the alta major center, in the etheric field, which aligns with the location of the cerebellum, medulla oblongata and the RAS. The finger on the right is pointing to the ajna center in the etheric field. The organ point is the bilateral carotid gland.

The alta major center is considered a minor chakra, but functions as a major chakra according to the teachings of the ancient esotericists. In the head triangle, the alta major has a unique position, first because of its relationship in the head triangle and second, due to its powerful link to the cerebellum, the medulla oblongata and the spine. The cerebellum is part of the hindbrain and controls voluntary muscles and movement – and is energetically linked to the root or base chakra. The medulla oblongata, also part of the hindbrain is closest to the spinal cord and is involved with the regulation of heartbeat and rate, breathing, blood pressure and reflex centers. The medulla is energetically connected to the throat and heart center chakras. According to Vedic teachings it is necessary to activate and balance the alta-major center in order to achieve ascension in the next phase of human development.

The following thesis introduces an overlay of energetic axes involving the RAS, vagus nerve and the altamajor center, which may play a role in transmitting information through the cellular matrices interoceptively. This axis maybe equally important to understand, as is the HPAAxis, or brain-gut connection when considering states of health and levels of consciousness including our spiritual consciousness.

The purpose of outlining this axis is to bring awareness to the overlap of energetic physiology withconventional neuro-physiology/biology. In so doing, we may learn about a spiritual consciousness in kinship with physical consciousness necessary for the purpose of balance, health and creativity. The goal of this thesis is to create a foundation and stimulate thought regarding (energy) physiology, the body mind connection and how our focus shapes our health and environment.

Keywords: RAS, reticular activating system, vagus nerve, alta major, chakra, consciousness, spiritual development, esoteric healing, presence, transcendence, nervous system, bodymind, mind-body, neurophysiology, subtle energy, spirituality, higher mind, etheric energy, prana, life force, biophotons,

Bonghan ducts, primo-vessels, fascia, tensegrity, collagen, meridians, esoteric anatomy, CN-X

Abbreviations: RAS = reticular activating system; RF = reticular formation; ANS = autonomic nervous system; CN-X = tenth cranial nerve; HPA = Hypothalamus-Pituitary-Adrenal; fMRI = Functional Magnetic Resonance Imaging

REFLECTIONS ON WATER AS THE FABRIC OF LIFE, FROM BACTERIA TO HUMAN

Eshel Ben-Jacob

Although much effort has gone into trying to understand the ways in which water is involved in life-sustaining processes, current science does not provide clear and convincing answers to what it is about water that makes it a particularly 'fit' substance to form the 'matrix of life'. This state of affairs, which severely limits our ability to understand life, is rooted in the current molecular-level based approach (focusing on individual or several molecules) that underpinned our perception of water. According to this paradigm, water is perceived as a passive, structureless solvent that is close to thermodynamic equilibrium. I will propose that we are at the beginning of a shift into a new paradigm – the systemic view of water, in which water is perceived as an active substance which adaptively responds to constraints and signals, responses that can have singular effects on the functioning of biological constituents, from molecules to living cells.

I will present my view of water as an active solvent of complex organization with long-range order (microns) and long-time memory (minutes to hours), mediated by nanobubbles that can be generated by rf or acustic signals as well as by nanoparticles immersed in water. I will further reflect on the possibility that water can store biological relevant information, presumably in its complex structural organization (long range water). For that I will present the results of novel experiments of using bacteria to sense the effect of rf (radio frequency) treatment and nano particle doping of water. Consequently I will reflect on the possibility that phenomena like "water order", "water memory" and "water information" are real and not artifacts or mysticism as they are still perceived by the scientific community at large. And if so, the existence of water order and memory calls for rethinking the effect of water on human health.

RESEARCH EFFECT OF DOLPHINS ON THE HUMAN BIOFIELD USING GDV ANALYSIS

Sam Berne

sberneod@cvbermesa.com

My presentation begins with the question: "Can interaction with wild dolphins have an affect on our energy fields and chakras?"

I first became interested in how dolphin interactions might combine with healing traumas, releasing toxicities and reducing stress through my craniosacral training at the Upledger Institute in Florida. Dr. John Upledger's research showed that clients responded very favorably when he performed craniosacral sessions while dolphins were swimming nearby.

Neuroscientist Dr. John Lilly also studied the effects of wild dolphins on humans for more than 20 years. He found dolphin interaction could help people improve their health.

In this study, I present the GDV analysis of the effects daily dolphin swims had on participants during a 2010 Wellness Retreat in Hawaii. I will also share my interpretation both on how this powerful healing modality can have a strong effect (imprint) on our fluid system and how those imprints express in the GDV data.

This paper will demonstrate that dolphins have an extraordinary energy. When a pod swims together in the ocean, an energy vortex is created. Since humans are mostly fluid (70%), when we enter the energy field of the dolphins their energies meet the fluid imprints within each of us. Each person's life imprints created at a lower fluid resonance get awakened for healing. Also, the sounds of dolphins – through their sonar – move our fluid and find places in the fluid imprints that release energy patterns. Since our fluid carries information and energy, the sonar helps move these in the body to create more resonance. Finally, while together in the water, dolphins use an intelligence that scans the human field and fluid system with positive results.

Proceedings 10

SPORTS NUTRITION AND ALTITUDE (ACCLIMATIZATION) INTEREST OF SUPPLEMENTATION

Sylvie Bordes

Laboratoire NUTERGIA, incaformations@wanadoo.fr

Who never dreamt of a walk within the limits of glaciers and snowy mountains? However, to some altitude, the sportsman(woman) must face some constraints linked to environment, atmospheric conditions, and his (her) adaptation capacity will enable him to win the challenge. We'll see how thanks to various steps of adaptation, the subject manages to acclimate to effort, coldness, change of culinary habits, modified appetite, all this which generating oxidative stress which must be taken into account along the way and during climbing. Is there a specific diet to hold fatigue up and to maintain performance?

Different scientific studies will give some information about the sufficient energy requirements, a correct rehydration, eventual prophylactic interest of antioxidants. We will more speak about 2004 and 2008 expeditions performed in several days trekking which were followed on a nutritional aspect thanks to Iomet® profile (Ionic Mineral Enzymo Therapy). Of course, we'll check our results and experiences with EPC GDV, which will show us the evolution of the body during the study.

We will conclude that an appropriate energy balance (quantitative and qualitative) helps to fight the lack of caloric intake and will facilitate the acclimatization. The question of supplementation depends on the individual deficiencies and profile, the time of altitude exposure, and above all on the availability of fresh foods (vegetables/fruit) often insufficient. According to the more or less ambitious objective scheduled, the mountaineer will review these criteria.

DYNAMICS OF GDV-IMAGES OF SCHOOLCHILDREN

T.E. Bulatova

GAOU DPO «Institute of education and social technologies development of Kurgan area» <u>bulat_t@list.ru</u>

In the process of education and upbringing each further step from kindergarten to junior and then to secondary school actually causes mass stresses in children. The typical problems of the adaptation period: nervous stress, missing classes because of illnesses are very often in the first and fifths forms.

During the first examination of children with reference to an average index of all examinations (1676 people) the results of GDV-images of children are significantly lower. Investigation results of GDV-image area of girls of the 1 form are significantly higher than those of boys of the 1 form. The GDV-image area values of boys of the 5 forms are lower than those of girls of the 5 forms, and significantly lower than the GDV-image area values of boys of junior school and senior classes. The average glow area of girls of the 5 form is lower than the values of the girls of all classes and significantly lower than those of girls of senior classes. The entropy of boys and girls on the left hand are higher than those on the right one and differ significantly. We divided the boys with results within norm and lower (according to Korotkov K.G.) into two groups. The average GDV-image values of boys with values within norm are significantly higher than those of the boys of the 2 group. Analysis of the results of girls' GDV-images also showed that the results of the girls from the 1 group are significantly higher than those of the girls with lowered values of GDV-images.

The obtained results show the psychophysical stress of children's organism in critical periods of their development (1, 5 forms) which allows to make a further transition of a child to new conditions and new "rules of the game" in a gentler way and to build individual group routes of preserving and maintaining the psychophysical health.

THE GDV TECHNIQUE AS AN AIDE TO EVALUATE ART & CONSCIOUSNESS

Frances Clarke B.A Fine Art. & Elena O'Keeffe BSc MBA

Not only do we see in a work of art the material matter of the work but we unconsciously receive the transmission of consciousness through the work. This is through the interconnected nature of all Human Energy Fields, and the transmission of consciousness, encoded with different levels of thoughts, feeling (Annie Besant, *Thought-forms*) sensed through perception and awareness. Human beings and life is multidimensional. The Blue Pearl project is a two-year research endeavour that seeks to establish the link between a piece of art work and the person viewing the art. The Blue Pearl series of paintings will represent an experimental body of work that will explore the hidden role of art in the evolution of consciousness and healing. To what extent can art really influence an audience? Or influence society? How does art influence its audience? And does art or creativity have the potential to transform people's lives? The new paintings will be created as part of this project and will be used to conduct a series of trials using the Gas visualisation (GDV) technique to measure and establish to what degree any

particular visual art influences the physiology, psychology and spirituality or consciousness of the people who perceive it, evaluate the artist who creates and source of their inspiration. By the silent changes caused to consciousness by art, we will have deeper knowledge of art's seen and unseen influence.

The research will link the human energy field and the chakras as a means of calibrating measuring and evaluating the level and flow of consciousness through the mini creative cycle. From the creative source of the artist through the painting and receiving observing audience and environment. The autonomous paintings will be evaluated for conscious activity. The research will endeavour to evaluate influence and give insight into the catalytic and invisible bond between the artist and its subject which is a key element and phenomena and mystery that veils art (Seeing the Invisible on Kandinsky, Michael Henry). Expose new understanding about, inner transformation and human alchemy, land marked by expression and the creation of a painting, To understand how inner transformation or individuation (Jung) correlates with the outer changing nature and quality of colour line and form and increased healing potency or aesthetic value of art and its transmission.

Spain 2007 a mini trial to evaluate the influence of art was undertaken, overseen by a GDV operator, and demonstrated in the results a harmonization of the emotional body on the participants after viewing the Mandala painting Namaskara. This inspired a much larger comprehensive research initiative, called The Blue Pearl Consciousness in Art. This research will be undertaken in collaboration with Elena O'Keeffe researcher and uk representative for GDV technology. Elena has designed the research programme and protocol. That will be completed under specific and controlled conditions. GDV parameters will be used for analysis of two control groups, Heart rate measurement will be administered. POMS Questionnaire will be completed by all participants.

Once established, this research can be used for multiple purposes. Aims to generate interest by publishing the findings in recognised scientific and art journals. Exhibit the findings in educational and exciting ways, using the large thirty abstract symbolic paintings, the Blue Pearl series as a back drop, to present the dynamic collaboration between science and art - making the invisible visible. Engaging people in new ways about their human state and potential. offering insight about art, as a path of transformation that leads to inner, outer and collective healing.

It is a platform to ignite interest from, people artists, art institutions, galleries, museums, arts& business initiatives, art patrons and collectors and institutions of health and wellbeing. So that they will understand from the added perspective of science the value of art in multiple diverse ways and support artists and their creative endeavours and to appreciate the value of art for healing the soul, collective wellbeing and happiness for people community and humanity. Interested in or information about the research endeavour is very welcome.

Proceedings 13

GDV DIAGNOSTICS PROSPECTS FOR PROFESSIONAL COMPETENCE DEVELOPMENT EVALUATION OF FUTURE SPECIALISTS IN PHYSICAL CULTURE AND SPORTS

Davidovsky AG, Pischova AV, *Osipov A.N., *Minaylov V.N., *Davydova N.S.

Belarusian State University of Physical Education *Belarussian State University of Informatics and Radioelectronics e-mail: agd2011@list.ru

The structure analysis of future specialists professionalism in the field of physical culture and sport allowed to distinguish five criteria groups (value-semantic, informational education, communicative, social work, personal self-improvement), to assess the key professional competencies (PC) development, each of which represented by descriptors set (specific descriptions of educational materials learning levels) in accordance with the ternary structure of competence (cognitive, functional and value-ethical). The relationship of PC's formation level and human body bioelectric fields ultra-fluctuations of, which are characterized by the method of gas discharge visualization (GDV) were postulated. GDV-diagnostics allows to realize the ongoing monitoring and integrated assessment of psycho-physiological readiness of the future expert for professional activity implementation, to identify the specific dynamics of the GDV-grams depending on the occupation personalityrelevant situations. The key physiological and psycho-physiological PC components assessment can be carried out on the basis of GDV-monitoring systematic analysis. The optimization of individual professionalism trajectory, the assessment of PC formation reliability extent of the future physical culture and sports specialist is possible on the basis of GDV-diagnostic indicators accounting and analysis.

INTRODUCTION TO BIOMECHANICS OF FIELD STRUCTURES

Demidova I.

Institute of mathematics and mechanics, SPbGU, Sankt-Petersburg maria_ib@mail.ru

Introduction. The concept of the strength, the hardness was known to peoples from ancient times. English anthropologist R.H. Dart (1925) supposed that the first culture was the culture the osteo- odonto- ceratic culture, as the bones and the teeth was the first instruments for the agriculture and the defence. The first ideas about the biomechanics were suggested by Aristotel (384-322 гг. до н.э. In 1638 year Galileo Galilée (1564-1643) tried to base the connection of the bone form with the applied efforts. In 1866 year the prof. doctor G.H. Meyer from Zurich and

prof. Culmann from Zurich Polytechnic School showed on the example of the hip bone that the texture of the bone tissue corresponds to the mechanical laws. In particular the paths of the trabeculars of the sponge tissue coincide with the lines of the maximum stresses.

In Russia prof. anatomist P.F. Lesgaft (1837-1909) was first who devoted much attention to these. He wrote many works in which the questions about the bone growth depending on the mechanical efforts and surrounded media. From 1885 year he with prof. N. A. Beleliybskii worked in the mechanical laboratory of the Sankt-Petersburg Institute of the railway communication lines and with their colleagues investigated the mechanical properties of the man tissues.

The stress state of the biosystem. The natural constructions (BC) have the complicated structure with the time changing of the physical -mechanical properties α_k of the tissues and different mechanical, physical and chemical actions β_k of the surroundings SM. It's noticed that the parameters α_k are interrelations i.e. every parameters of α_k is the function of the all others internal parameters, the environment parameters β_k of and time t $\alpha_k = f(\alpha_k, \alpha_k, ..., \alpha_{k+1}, \beta_k, t)$. All parameters α_k have the value limitations for the normal functioning of the living system. For the solving such problems the system analysis is used, all factors which influence on the state and the functioning of the biosystem are revealed. The general view of the equation system of the solid body mechanics including the changing of all factors and the anisotropic of the tissue structure is very complicated. For the studying of the functioning of the biosystem, for the revealing of the zones with the fracture defects the different methods of the physical and the mathematical simulation are applied. For the investigation of the stress state for the rigid tissues of the elements of the living constructions under the mathematical simulation Lame's problem is used.

Applications of the Lame's problem to the field structure. If the outer pressure acts on the biosystem, then the system brings the influence to the environment i.e. some physical field appears around the biosystem. In the polarize light this field will be as pattern line in the polymer matrix around the glass sphere inclusion and detected by the method GRV.

The degree of this acting on the value and the radius is certainly small in comparison with the dimension of Universe – 4-5 radius of the body, but when the living systems occur among closely spaced groups the value of this acting will be perceptibly,

It's notable that the presence of the field around the living systems was discovered from ancient times as demonstrated the nimbus on the icons of the X1 - X11 centuries, the picture of the field around the body and also by the method GRV used in the practices.

In the report the different state of the system depending from the mechanical properties SM, its dimensions, the acting and the boundary conditions are

analyzed, as the result - the redistribution of the stress state. For several systems the stress state will be change.

Under the growth, under the function of the living system the different defects may be appearing similar the defects of the composite models. These cracks limit the information perception, new stress state and the reconstruction around the cells will be. Some departure from the norm of the behavior and contracting a disease may be appearing. The suggested models are the base for the biomechanical interpretation of the fear and depressing state, also for the explaining of the words and expressions of the Russian language, par example, "the force of the spire", "they lived in harmony", "the light memory", "I don't know what the side I can approach to you" and the like.

THE CASE FOR SUBTLE HUMAN ENERGY: DIAGNOSTIC AND THERAPEUTIC APPROACHES

Martinez Hewlett

Ph.D., Department of Molecular and Cellular Biology and Program in Integrative Medicine University of Arizona

...When in a search of any nature the understanding stands suspended...then Instances of the fingerpost show the true and inviolable way in which the question is to be decided...These instances afford great light, so that the course of the investigation will sometimes be terminated by them...Sometimes, indeed, these instances are found amongst that evidence already set down...

> Francis Bacon, Novum Organum Scientarum, Book Two, Section XXXVI

It is probably fair to say that any advance in medicine over the past centuries has been met with skepticism, whether justified or not. Consider what happened when William Harvey introduced his concepts about blood flow and the role of the heart in human physiology. While we look back on this as a seminal achievement in the history of human biology and medical practice, Hardy was faced with convincing colleagues for whom the heart was not just a pump, and the blood represented a much different substance that we consider it to be today. It actually took decades before the medical profession fully accepted what seems obvious to us now.

So to it has been with concepts regarding energy and the human body. Today, we take for granted the use of electrocardiography (ECG) to measure the dynamic state of the heart and electroencephalography (EEG) to chart changes

in various brain states. Indeed, the most current technique in the neuroscience of behavior is the use of functional magnetic resonance imaging (fMRI) to detect brain activity during conditions of activity of a subject. All of these techniques involve energetic signals being stimulated in or produced by the body and detected with instruments, some more simple than others. And, with the weight of clinical experience, we take the results of these diagnostic techniques as indicative of either normal or diseased physiological states for an individual patient.

At the other end of the spectrum from these approaches are the New Age practitioners who continually lift ideas from the sciences and move them into pseudo-scientific pronouncements. Concepts in quantum physics are recast, without scientific reflection, into supposedly effective practices for everyday life. In addition, traditional understandings of human energy from Ayurvedic medicine, Chinese medicine, and a variety of indigenous world views are borrowed in a shallow parody of the originals. The resulting amalgam produces a popular genre of literature and spawns numbers of groups of devotees following one or another "experts."

As a result, the real investigation and utilization of subtle human energy systems has been tarnished by association. A good example of this can be found in the use of gas discharge visualization (GDV) for the measurement of biophoton emission.

GDV is a system that has been developed by Konstantin Kortokov in Russia. It is a quantitative way of imaging and analyzing energy spectra that have been previously called Kirlian emissions. These energy patterns have sometimes been called "auras" in various disciplines. They have also been associated with subtle forms of energy called *qi* or *chi* in Chinese medicine. The GDV instrument allows such images to be recorded, imported into a computer, and digitized for quantitative analysis.

GDV technology has been used for a number of years in Russia and in various countries in Europe as a diagnostic tool. Recently (2002), an evaluation of GDV technology was carried out by the National Institutes of Health. GDV was used in a controlled set of experiments with normal subjects, with hypertensive patients, and with a group of patients diagnosed with bronchial asthma. The results of these studies, along with recommended protocols for the use of GDV in diagnostics, were published by the Samueli Institute in 2002 (http://www.siib.org/news/news-home/publications/198-SIIB.html).

I recommend that you read through this set of papers to learn more about the diagnostic potential of the GDV instrument.

There is a dimension beyond the use of biophoton emission as simply a tool for assessing physiological state. Krishna Madappa is a member of our Institute for Science, Spirituality, and Sustainability (http://issstaos.org), and the owner of Essence of Life in Taos, New Mexico (http://sacredoilsofkrishna.com). He uses GDV to assess both the physical and mental state of a person, using a version of the GDV software designed such that the analysis corresponds to Ayurvedic traditions, including descriptions of the body energy points known as *chakras*. Madappa goes beyond the physical diagnostic potential of GDV and uses the imaging software to investigate the psychological and spiritual health of the individual. Using combinations of Ayurvedic practices, oils, and meditation, he can then follow changes in the human state and, as a result, provide counseling to his clients.

Is this a new diagnostic and counseling tool? Are these instruments measuring subtle human energy fields that will one day become as accepted as ECG or EEG? Just as with William Harvey's work, only the passage of time will give us the answers.

CORRESPONDENCE BETWEEN EPI-GDV AND ASTROLOGY

James Hopson

inspire@inspiringhealth.net

For hundreds of years astrologers were able to give insight into psychological and physiological health issues which had the potential to manifest into disease states or imbalances. Up until the 17th century there was no separation between astrolgov and health. You could not have one without the other. Hippocrates once said, "A physician without a knowldege of astrolgoy can not rightly call himself a physician". For centuries, many of humanities greatest thinkers such as Galen, Aristotle, Culpeper and Paracelsus all explored the relationship between medicine and astrology. As humanity evolved science and medicine became more linked with one another. Astrology, which once was a repsected profession, became increasingly marginalized as scientists were not able to show a connection to human disease using scientific methods. In fact, they refused to attempt such research. Astrology, along with other ancient wisdom, was regarded as apriori, quackery and mere superstition. However, with the advent of the EPI-GDV camera, practitioners can now blend the old and new sciences with consistant accuracy. Patterns are easily seen and detected, as you will see in the coming pages. Now these patterns can be identified, which the ancient

astrologers were doing hundreds of years go and can be corroborated scientifically, well before the onset of symptoms of disease.

For the last 7 years I have been observing a direct correspondences between the astrological archetypes as related to health and the images produced by the EPI-GDV technology.

For those that are skilled at understanding how to read the heavens, an astrological chart will provide a plethora of information when compared to the EPI-GDV images. Do all cases show correspondences? This will depend on the degree of imbalance at the time of the EPI-GDV screening. The more out of balance an individual is the more likely you will see direct relationship between a person's astrological chart and the EPI-GDV images.

There is an ancient metaphysical saying, "As above, so below". This implies that everything happening in the heavens has a definite relationship here on Earth. Since astrology itself is an archetypal representation of everything in the universe then it too must have some relationship to the human body as well as to the dynamics we experience here on Earth. Now with the assistance of the EPI-GDV technology we can now prove what up to this time has been impossible to prove: the planets, their aspects and position in the heavens at the time of our birth have a direct correspondence with both our psychological and physiological well-being. Now we can know without a shadow of doubt that what the ancients understood regarding medical astrology was both true and valid.

For additional information see www.inspiringhealth.net and for training or consultations contact 1.310.574.2140 landline or 1.310.773.2323 - mobile. inspire@inspiringhealth.net

INFLUENCE OF WEAK ENVIRNMENTAL FACTORS ON THE HEMOSTATIC SYSTEM AND MAST CELL EFFECTORS INFLAMMATION IN EXPERIMENTAL.

Kulikov V.Y., Kozyaeva E.A., Sorokin, O.V.

It is shown that, in the shadowed space (minus the field) is observed in the first place, the development of the hypercoagulation syndrome in in vivo and in hypocoagulation conditions in vitro. Showed a reduction in membrane potential of human blood mononuclear cells in gipomagnethic conditions, triggering a cascade of intracellular processes, leading to enhanced operating time of active oxygen species and a change in balance between the generation and inhibition of reactive oxygen species. Substantiates the relationship of the <u>Key words</u>: weak environmental factors, hemostatic system, skin photo-electron emission, hypercoagulation syndrome, hypocoagulation, gipomagnethic conditions, cells effectors inflammation, experiment.

THE PROBLEM OF VITAL FUNCTION SAFETY INTRANCE FIELD UNDER THE EFFECT OF THE ENERGO-INFORMATIONAL INFLUENCE

Kuris Irina Viktorovna

Candidate of Pedagogical Science, Professor of The Baltic Pedagogical Academy, Head of the Department of Transpersonal Psychology and Pedagogy, President of North-West of Department of Transpersonal Associaation

The summary: In the present publication the important component of ecological safety, the problem of defence of psychogenic energo-informational influence is set forth. Special attention is given to the questions connected with the prevention of extremal ecologycal situations provoced by EIV which are closely interwoven with the transpersonal psychology. This is quite new direction of psychology, it studies and examines so called altered states, as far as the positive and negative sides of possible influence upon the person in trance.

Key words: Ecological safety, energo-informational safety, transpersonal psychology, trance, altered and broadened states of mind.

USE OF THE HALL-EFFECT SENSOR FOR RESEARCH OF A BRAIN ACTIVITY OF THE PERSON

Lee A.G.

Laboratory psychoneurophysiology of creativity and giftedness, 777000777@mail.ru

For study of a brain we used some sensors working on the basis of various physical principles: the sensor on the basis of processes of generation of semi-conductor noise (a generator of noise) and the Hall-effect sensor. We used the

Hall-effect sensor SS495A Standard of Honeywell Inc. The Hall-effect sensor has linear type of a output signal, a type of a sensitive element is an Hall-element without the built-in magnet, bipolar type of sensitivity to a field, the maximal sensitivity is 3.1 mV/Gauss. For registration of measurements from the Hall-effect sensor we used USB-oscillograph VM8020. For data recording and analysis of measurements together with BM8020 we used program DiSco Digital Scope.

In total it was examined 68 person. Only at the five person simultaneous change in the indications of the noise generator and the Hall-effect sensor is noted. A maximal difference of a voltage on the Hall-effect sensor does not exceed 0,15 volts in the best experiments (effects had multidirectional character). Observable effects in a maximum were equivalent "as though" ≈48,4 Gauss a magnetic field.

It is established, that changes in both sensors did not coincide on time (mistimed). We have not found correlations between magnitudes of effects received in a generator of noise and the Hall-effect sensor. Proceeding from the received results, it is possible to assume, that physical mechanisms of influence on the generator of noise and the Hall-effect sensor even at one examinee are various, and observable effects have the various physical nature. The physical nature of observable phenomena by using of the Hall-effect sensor is not clear. In opinion of the author, changes in work of the Hall-effect sensor are not caused by changes of magnetic fields near examinees during measurements.

THE NEW SENSOR FOR REGISTRATION OF PSYCHOPHYSICAL INFLUENCES ON THE BASIS OF SEMI-CONDUCTOR GENERATORS OF NOISE

A.G.Lee, D.N.Kulikov

Laboratory psychoneurophysiology of creativity and giftedness, 777000777@mail.ru

For the first time offered abroad the methods of research of the bioenergyinformational phenomena and processes with use of generators of noise are known enough for a long time and have essential limitations (shortcomings). The purpose of the work was development of a new design of the sensor and the software for work with it which would reduce limitations (shortcomings) of the previous designs to a minimum.

Originality of a design that the device contains two independent channels which can be simultaneously connected to an input of a sound card of any computer. The device provides the subsequent record of signals on a hard disk of a computer and their further processing by any specialized programs or any programs of the spectral acoustic analysis. Thus there is an opportunity to reveal any anomalies on a background of uniform noise signal with use of the correlation analysis. As the program of the spectral analysis we use the specialized program «Quantum Brain Sensor» for the specific analysis of a noise signal. The signal is displayed in an on-line mode, and data file in process of accumulation. The screen of the monitor gives an opportunity of a feedback for the operator. The operator can work both with a feedback, and without it.

The design and use is rather simple, that makes its accessible for a wide range of both enthusiasts and experts. The modern design of the sensor and the developed software have made more accessible technical realization of strong scientific researches in the field of bioenergyinformational interactions with assurance of necessary full recording, including record of the primary, raw data of the used scientific equipment.

GDV USE FOR THE EVALUATION OF BOL D'AIR JACQUIER® BREATHING SESSION ON HUMAN ENERGY FIELDS

Mercier Béatrice¹, Prost Josiane²

¹ Holiste Laboratory Le Port F-71110 Artaix - beamercier@laposte.net ² Burgundy University UPRES EA 4183, F-21000 Dijon.

The "Bol d'Air Jacquier®" device is generally used to fight hypoxia due to environmental pollution, ageing, metabolic and inflammatory diseases... by improving cell oxygenation.

Aerobic respiration at the cellular level is known to be the best biological process to provide energy at the cellular level, in order to ensure all vital activities. But we need to ask a question: does the oxygen delivered by the Bol d'Air® act only on *physical* energy? The aim of the present studies is to answer this question and estimate the variations of subtle energies, using the Gas Discharge Visualization method.

As a matter of fact, various GDV methods of analysis allow pointing out the impact of the oxygen delivered by the Bol d'Air Jacquier® device on organisms.

As a general rule, we notice that the breathing sessions act favorably on the mental as well as on the physic fields, and act to balance energy fields. It seems to improve the energy level of the organs, especially for the endocrine system. We pointed out a special impact of the breathing sessions on the respiratory system and on the colon system.

PSYCHO-SPIRITUAL ANALYSIS OF GDV CAPTURE THROUGH ASTROLOGICAL ASSESSMENT

Mary Milroy

BSIE, Dipl. Esogetic Medicine, Acupuncture & Chinese Herbology GDVsource / Healing Hands Light Medicine Cinnaminson, NJ USA

Earlier systems of kirlian analysis, such as the one formulated by Peter Mandel of Germany, have provided detailed systems of psychological assessment. Astrological assignments have been ascribed to each of the ten fingers as well as some of the toes in this system. This analysis offers deeper constitutional level of evaluation within the GDV Captures. Much can be learned through the evaluation of the fingertips (and soon the toe tips, when the new footplate is available for purchase) as astrological assignments address the constitutional aspect of the human psyche.

The Mandel Kirlian camera is an analog device, which captures emissions of the fingers and toes on black and white photo paper. The photos are analyzed subjectively in the mind, body and spirit planes by a trained practitioner, as opposed to the detailed objective analysis provided by the GDV software. The author discusses the theory and methodology of the Energetic Emission Analysis (EEA) Topography from a body, mind, and spirit healing perspective, and its application in the use of the GDV camera, both currently and in future GDV software programs. Patient case studies using the astrological assessments are evaluated and discussed.

The main conclusion is that we witness the informational evolution of the kirlian diagnostic process, which provides the ability to better evaluate the human emotional state. This process contributes greater clarity in diagnosing and understanding human psycho-spiritual energy, as the GDV assessment programs are further refined.

OZONE THERAPY AND GDV DIAGNOSTICS

¹Minaylov V.N., ¹Kashitsky E.S., ²Voinov G.M.

¹Institute of Physiology, National Academy of Sciences of Belarus ²RNUP Institute for Systems Research at AIC NAS RB aquamedby@mail.ru

A lot of water activation methods are currently developed, which leads to reactive oxygen species saturation and active radicals formation in it. Ozonation is the one of such methods.

The optoelectronic radiation analysis of physiological saline drop was made before and after ozonation, as well as analysis of functional status changes of ten patients after the course of ozone therapy. The ozonation of 200 ml physiological saline for intravenous injection was carried out on the Russian production ozonator to an ozone concentration of 3 mg/liter in solution. The physical properties analysis of the solution before and after ozone saturation and patients state monitoring were performed using the GDV Camera.

After physical saline ozonation the drop radiation area, intensity, form coefficient and isoline length increased. By fixed chemical composition and the same solution temperature different results, which indicates structure change and physical liquid properties were obtained.

At the treatment course ending the recurring GDV estimation of patients energy state was carried out. Clear area increase and radiation density were marked in all ten subjects in the "energy field" program. Pie chart was shifted to the organism optimal functioning zone. The obtained data corresponded to the subjective state of patients. General improvement, activity and efficiency increase had been registered.

Proceedings 24

RESULTS OF COMPLEX TESTING FOR JUNIORS IN BIATHLON SPORT

Mohov D., professor, M.D., Ph.D., Miroshnichenko D., M.D., Gorbatova A., St. Petersburg Medical Academy of Postgraduate Education

Korotkov K., Professor, Ph.D., Churganov O., Professor, M.D., Ph.D., Labkovskaya E.

St. Petersburg Research Institute of Physical Culture

Key words: osteopathy. electrocardiography, stabilometry, GDV Bioelectrography, biathlon, complex testing

A group of 11 yang biathlonists was measured with several techniques in comparison with a group of apparently healthy people of the same age group. Statistically significant difference between yang athletes and control group was found: all measured parameters for athletes were much worth compared with people, not involved in sports. Conclusion is made that the reasons of this are the different osteopathy dysfunction and wrong posture of athletes.

EFFECTS OF OSTEOPATHY TREATMENT ON ATHLETES

Dmitriy Mohov[†], Ph.D., Serge Paoletti[†], O.D., M.D., Dmitriy Mirosnichenko[†], M.D., Oleg Shelkov[†], Ph.D., Konstantin Korotkov[†], Ph.D., Anatoliy Shevtsov[†], Ph.D., Elena Labkovskaya[†], Lucy Robertson[†].

1 Saint Petersburg Federal Research Institute of Physical Culture. 2 Saint Petersburg Medical Academy of Postgraduate Study. 3 French Register of Osteopaths. 4 World Science Foundation (USA).

Key words: osteopathy. electrocardiography, stabilometry, GDV Bioelectrography, biathlon, complex testing

Objectives: The purpose of this study is to explore how performing osteopathy treatment influence certain measurable aspects of the human biofield; namely, various calculated parameters of finger corona discharge patterns produced by high-voltage electrophotography, as well as some other parameters both for patients and for the doctor.

Methods: The Gas Discharge Visualization (GDV) camera was used to assess subjects before and after osteopathy treatment. 49 apparently healthy adults

(20–56 years old) took part in the study. Measurements were made on all ten fingertips of 49 subjects pre- and post-treatment. The patterns of light emitted from the subjects' fingertips were digitally recorded and computer analyzed. Parameters including normalized area, brightness, and right- and left-hand integrals were calculated and statistically compared.

Results: Most of the recipients of these osteopathic treatments experienced increase in fingertip florescence area and average intensity, reduction in stress levels, and improved blood pressure measurements. With all of these parameters simultaneously improving, the patients received a good benefit from these sessions. Dr. Serge Paoletti saw eight patients in each of the eight days, and managed to maintain a stable stress level. This is demonstrated by the fact that while his activation coefficient fluctuates, it does so within the range of focused activity, normal levels, to relaxed.

Conclusions: It should be noted that virtually all subjects were in a good mood after treatment. Many of them had pain and muscle tension which disappeared. These changes were reflected in all parameters analyzed, in both psychosomatic and somatic states. Thus, osteopathic manipulations as administered in these two studies provide good, lasting relaxation. This study also provides the interesting observation that relaxation practices, as done by Dr Paoletti, on a daily basis, enable him to work hard without additional stress.

ESTIMATION OF CLINICAL AND PHARMACOLOGICAL EFFECT OF HYPOXEN* IN PATIENTS WITH COPD BY CHEMILUMINESCENCE OF WHOLE BLOOD IN THE PRESENCE OF HYDRATED C₀ FULLERENES

Novikov K.N.¹, Berdnikova N.G.², Novikov A.K.², Lyuzina O.Yu.¹, Muhitova O.G.¹, Yablonskaya O.I.¹, Do Mihn Ha¹, Voeikov V.L.¹

¹Lomonosov Moscow State University, Department of Biology, ² Sechenov 1st Moscow Medical University, Moscow. e-mail: kirniknov@yandex.ru

COPD is associated with the formation of reactive oxygen species (ROS). The ROS status in undiluted blood of patients with COPD undergoing Hypoxen® treatment (antihypoxant and antioxidant) during the standard treatment within two months was investigated. The effect of hydrated Co (HyFnCo) on the development of ROS in the blood of COPD patients before and after treatment Hypoxen® *in vitro* was studied. HyFnCo was used

in low and ultra-low concentrations (up to 10^{-19} M). ROS formation was recorded using the method of chemiluminescence (CL) of undiluted whole blood from patients in the presence of amplifiers CL - luminol (LM) and inductor of ROS zymosan (ZM) and lucigenin (LC). CL was recorded using a domestic luminometer «Biotox 7-A», operating in the single photon counter mode.

In all patients with COPD in remission who were treated with Hypoxen® the intensity LM-CL with ZM and LC-CL decreased after the treatment. HyFnC60 added to blood *in vitro* enhanced the effect caused by Hypoxen®. HyFnC60 in low (10⁻⁶ M) and especially ultra-low (10⁻¹⁹ M) concentrations drastically reduced LM-dependent and LC-dependent blood CL after Hypoxen® treatment.

With the use of discriminant analysis (DA) we found significant time points on the kinetic curves of CL. This allowed us to classify patients into groups (patients with COPD before and after Hypoxen[®] treatment, a group of patients with acute attack of COPD, and blood of patients with different sensitivity to different concentrations HyFnC₆₀). The best effect upon DA was between different groups of patients was caused by HyFnC₆₀ in concentrations of 10⁶ M and 10⁻¹⁹ M.

REMOTE DETECTION OF HUMAN PSYCHO-EMOTIONAL STATE WITH THE USE OF ELECTRO-PHOTONIC IMAGING METHOD

D.V. Orlov, K.G. Korotkov

Saint-Petersburg State University of Information Technologies, Mechanics and Optics mityaorlov@gmail.com

Electro-photonic imaging or gas-discharge visualization (EPI/GDV) method is used in different areas of scientific studies. One of the main fields of study is registering of emotional state of people and its influence on the surrounding space. It is recommended to use specially designed for such kind of measurements device – "EPI/GDV Eco-Tester", that allows to get maximal sensitivity and stability of the system. Methodology is based on the registration of the gas discharge glow around metal cylinder placed on the transparent electrode of the EPI/GDV device and connected with the special antenna "EPI/GDV Sputnik" that forms, together with the LC-contour of the EPI/GDV device, a system of coupled LC-contours. Depending on the fields of various nature in the surrounding space, chemical composition of the air and state of the conductive objects (e.g.

people) situated close to the antenna characteristics of the external LC-contour will change, and hence parameters of the glow will also change. Alteration of humans' emotional state leads to the changes of: the impedance of the human body, distribution of fields in the room space, and chemical composition of the surrounding air; and hence to the current amplitude change in the EPI/GDV device.

This methodology was tested during theatre and opera performances, seminars and lectures, and also during meditation of a group of people. In all studied cases we have found correlation between the signal and the emotional state of the audience. System also reacts on the alteration of geophysical parameters of the environment, for example, during sunrises and sunsets, sun or moon eclipses.

INVESTIGATION OF THE INFLUENCE OF SCENIC ART ON THE PSYCHIC AND PSYCHO-FUNCTIONAL STATE OF AN ARTIST BY THE USE OF ELECTRO-PHOTONIC IMAGING AND ANUASHVILI VIDEO-COMPUTER PSYCHO-ANALYSIS METHODS

D.V. Orlov^{1,3}, K.G. Korotkov^{1,3}, E.Y. Mihailova³, G.V. Strelkov^{1,5}, M.J. Avimskaya⁵

mitvaorlov@gmail.com

¹Saint-Petersburg State University of Information Technologies, Mechanics and Optics; ²FSI SPbSRIPC; ³Lesgaft NSU for physical culture, sports and health; ⁴Saint-Petersburg state academic Lensovet theatre; ⁵Youth center for theatrical and cinema art «MIG»

The purpose of this study was to examine the influence of scenic art on the state of the actor. We used two non-invasive express methods of analysis of the human state: the method of gas discharge visualization (psycho-functional state) and the method of video-computer psychoanalysis by Anuashvili (mental state). Participants in the experiment were actors form the laboratory ON.TEATR whose state was measured just before the start of their performances on stage and immediately afterwards. The study involved 21 actors. Correlation analysis of the obtained data between the two methods was performed, which revealed six main rules of changes in mental and psychofunctional state of the actor as a result of scenic art. Derived six rules are subject to 90,5% (or 19 out of 21) of actors. Only 4 of 21 actors have shown reduction of the level of their mental stability (in accordance with the table by academician Anuashvili) after performing on stage. EPI/GDV revealed that the actor can not only maintain the original level of energy and the psycho-

functional balance, but also to increase it, as a result of stage activity. Developed approach has made it possible to evaluate from a scientific point of view not only acting mastery, but also the energy that the actor brings to the public hall. Next step of this experiment is to find the correlation between the mental and psycho-emotional state of actors and influence of their stage activity on the audience.

METAMORPHOLOGY

Pavlidis Konstantin

Morphology is the study of form and includes the energetic structure and organisation of all phenomena, animate and inanimate from the micro to the macrocosmic levels.

Metamorphology looks at the process through which these phenomena alter from one state to another in their transitional stages and how we can apply this knowledge to human behaviour.

The main focus here is the connection between the Psyche or Soul and the Spirit.

Metamorphology helps us to understand these energy dynamics and to begin to recognise our own true nature.

By using devices that allow us to measure the effects of these stimuli on external sources, we begin to develop a methodology which enables us to build a model of what their nature is, how they act and in what ways they interact with our internal and external environments.

The information received from such devices becomes the foundation from which we learn more about ourselves and then modify our behaviour and transmute any non-constructive programmes in our Sub and Unconscious patterning

There are various descriptions for the "Psyche" according to the many wisdom traditions but all agree that it is related to something that transcends the Physical and seems to have a life of its own after the death of the body.

The foundation aspect common to both of these ideas is the organisation of Informational Matrices in specific configurations which define and allow for the transference of energy in an exact manner enabling continuity beyond the conditions which are defined by the laws of conventionally perceived parameters of both Physical and Quantum Physics to this date.

The Psyche is a Holographic imprint of an individual's personality and character on a specific level of their energy matrix whereas, their Spirit is a universally inherited and available code connecting them to the cosmic level of energetic vibrational frequencies which exist throughout all levels of existence and connects the individual to this source.

Consciousness therefore can be seen as the degree of Coherence that is achieved in the process of transitioning the basic state of survival to attain an Integrated State of Universal Interconnectedness and Existence.

Metamorpholgy uses the following techniques and processes to achieve the abovementioned results:

- -Transmorph Principle and the development of a "New Science" model
- -Transmorph Meditation to develop cellular, molecular and subatomic awareness
- -Transmorph Breathing interconnecting the organs, systems and 5 brains of the body
- -Transmorph Energy Catalysis interconnecting the Energy Bodies of our life form.
- -Transmorph Analysis exploring our Matrix records to locate and define our Karma
- Imprinting of Archetypes in the Human, Animal and Sacred Geometrical forms
- Integration of the Five Brains (Triune Brain with the two sub-brains)
- Transmorph Unification through the application of the AAAETT Principle (Awareness, Activation, Alignment, Entrainment, Transformation, Transmission)
- Transmorph Applications in Daily Life circumstances and events
- Transmorph Ultimate Goal: the development of a new Archetype to become a "Transmitter"

Eventually, all of the imbalanced energy in these Human patterns is transformed until we operate at a level of equanimity and peak performance.

The final objective is to evolve beyond the level of daily struggle for survival and enter in to a higher level of Equilibrium or "Acme Syneithisis" which means Peak State of Consicousness. This equilibrium may be seen as the state of Inner Peace which we are all subconsciously seeking and is the result of Transformation and "Beingness" in oneself.

Proceedings 30

TESTING OF THE INFLUENCE OF RECONNECTIVE HEALING ON HUMAN PSYCHO-PHYSIOLOGICAL STATE

Pearl E., De Vito D., Churganov O.A., Gavrilova E.A., Korotkov K.G., Shelkov O.M., Korotkova A.K., Labkovskaja E.V., Denisov S.V.

The double blind test in accordance with CONSORT Protocol was carried out with 20 apparently healthy volunteers – athletes of high level - of the same age and different gender for the evaluation of the body energy, stress level and physical endurance in control group and in the experimental group under the influence of Reconnective Healing. The athletes were measured before and after intensive physical loading (10 min bicycle fitness machine ergometer Tunturi EL-400) in initial condition and in a week after: Reconnective Healing in experimental group; in conditions of normal functioning in control group.

- 1. In initial condition no difference was found between experimental and control groups which signifies that groups were randomly selected.
- 2. After a week in a second test statistically significant difference between experimental and control groups was found for all tested parameters.
- 3. Reaction to loading in the experimental group in the second test was much better compared with a control group. For most parameters difference was statistically significant.
- 4. Energy parameters demonstrated statistically significant difference between experimental and control groups on several indexes which characterize the quality of the Energy Field.
- 5. After a week in experimental group significant decrease of arterial pressure in rest and systolic arterian pressure after loading was found.
- 6. Increase of efficiency of the cardiovascular system activity in after loading, faster restoration of both functional and blood test indexes after loading and significant positive changes in blood indexes for the experimental group signify increase of metabolic, immune, anti-toxic and anti-oxidant activity of the organism.

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 yang athletes in a week after the influence. This signifies long-lasting effect of the Reconnection Healing and its significance for well-being and preparation of athletes.

Proceedings 31

CONTRIBUTION OF GDV BIOELECTROGRAPHY TO VISUALIZE THE BIOLOGICAL POTENTIAL ENERGY OF TREE BUDS USED IN GEMMOTHERAPY

Andrianne Philippe

HerbalGem Laboratory, 28 Bihain, B-6690 VIELSALM, Belgium, philippe.andrianne@herbalgem.com

Gemmotherapy medicine is a revolutionary form of phytotherapy which uses embryonic tissues like fresh buds and young shoots extracted by maceration. . The energy field of different tree buds of Tilia tomentosa were studied.

The terminal bud, when activated in spring, is more energetic than the axillary buds along the stem. The entropy is the parameter characterizing the difference level between a sleeping bud and a activated bud.

Gemmotherapy uses these embryonic energetic parts of plants in many medicinal indications. Dr Henry predicted that gemmotherapy was the utilisation of the biological potential energy of tree buds. This article prove that buds, when activated, are full of this biological energy.

Application of GDV technology in Gemmotherapy provides useful information about the energy field around the bud. This data can be used to forsee the optimal energetic condition for the harvesting time and prove that gemmotherapy must be considered first as an energetic medicine before being a medicine of active principles.

THE SECRET LIFE OF WATER

Gerald H. Pollack, PhD

University of Washington, Seattle ghp@u.washington.edu http://faculty.washington.edu/ghp/

School children learn that water has three phases: solid, liquid and vapor. But we have recently uncovered what appears to be a fourth phase. This phase occurs next to water-loving (hydrophilic) surfaces. It is surprisingly extensive, projecting out from the surface by up to millions of molecular layers.

Of particular significance is the observation that this fourth phase is charged; and, the water just beyond is oppositely charged, creating a battery that can produce current. We found that light recharges this battery. Thus, water can receive and process electromagnetic energy drawn from the environment —

much like plants. The absorbed light energy can then be exploited for performing work, including electrical and mechanical work. Recent experiments confirm the reality of such energy conversion.

The energy-conversion framework implied above seems rich with implication. Not only does it provide an understanding of how water processes solar and other energies, but also it may provide a foundation for simpler understanding natural phenomena ranging from weather and green energy all the way to biological issues such as the origin of life, transport, and osmosis, and energy radiated by water.

The lecture will present evidence for the presence of this novel phase of water, and will consider the potentially broad implications of this phase for physics, chemistry and biology.

FUNCTIONAL STATE MONITORING OF YOUNGER SCHOOLCHILDREN WITH ADHD IN THE CORRECTING PROCESS OF STATOKINETIC FUNCTIONS VIOLATIONS USING GDV-GRAPHY

¹Skuratovskaya Marina L., ²Svetitskaya L.P.

Pedagogical Institute of Southern Federal University e-mail marinasku@yandex.ru Pedagogical Institute of Southern Federal University

One of the attention deficit syndrome manifestations of hyperactivity (ADHD) is a development disorder of statokinetic functions, which confirmed our investigation among suffering from this disorder elementary school students. The aim of this study was to identify the development dynamics of statokinetic functions in children of 2-3 years of study with ADHD during the functional training on soft hardware system "Stabilan" and the impact of such a focused work on the psychophysiological status of students in general. In the research process we had an additional task: to determine the possibility of using GDV-graphy for the psycho-physiological functions state assessment of the surveyed students before the functional exercise and immediately after and, thus, to determine the functional exercise influence degree on the body condition of schoolchildren. Students psychophysiological state monitoring with GDV-graphy technique was carried out based on the analysis of indicators such as the activation coefficient, the area of field glow, as well as comprehensive indicators glow area and entropy. After conducting studies on the statokinetic functions development using the stabilography, all students showed an apparent

tendency of GDV performance improvement, although in various degrees. Thus, the conducted experimental work confirmed the inclusion efficiency of GDV-graphy as diagnostic technique of the statokinetic functions correction efficiency assessment in elementary school children with ADHD using the stabilography method. Bringing into service GDV-graphy technique for students functional state registration in the functional training process allows to identify an individual dynamics and to make necessary adjustments in the remedial work program.

A 10-YEAR EXPERIENCE OF BIOELECTROGRAPHICAL MEASUREMENTS OF HUMAN CAPITAL

Sergeev S.S. Sherbakova N.V. Director of the Institute of Applied Psychology of SPb Leading specialist psycho@pgups.ru

A multi-year experience of psychological studies using bioelectrography methods carried out at IAP convincingly proves the possibility and perspectives of using this approach in the field of measuring psycho-physiological, psychological and social parameters of human personality

The studies can be divided into three stages. The first stage was aimed at measuring the viability index, finding out the GDV-correlates of psychic and physical health. Within the measures on short-term psychological rehabilitation, the GDV approach showed itself as a modern method of control of the quality of rehabilitation procedures.

The second stage of our studies was to evaluate the possibilities of BEO-approach in the field of psychological securing of professional activities. During a planned professional selection of the railroad personnel stable correlations were detected between the results of psychological and psycho-physiological testing of workability and integral GDV-parameters.

The third stage was monitoring the management resources with special attention paid to searching and finding out the GDV-parameters of leader qualities. The main results of the studies were obtaining the normalized GDV-parameters than can be used for comparison with other test results to determine the state of human resources (integral indices of viability and workability).

Proceedings 34

COMMUNICATION TRACES OF THE ENERGY FIELD

Sergeev S.S. Sherbakova N.V. Director of the Institute of Applied Psychology of SPb Leading specialist psycho@pgups.ru

The study under development now is called "The influence of the energy field of a leader on the people around". Currently we have obtained correlations between the formula of the energy influence [Boiko V.V., 2008] and the characteristics of the energy field.

A creative constructive activity, emotional leadership, optimism and a tendency to planning have a positive correlation with predominance of the right hand GDV-glow area (left hemisphere activity) and such parameters of psychoemotional status as self-confidence (C3) and absence of irritability (H5) – the GDV Qualification program.

Caution in actions and decisions, electivity of contacts, inclination to introversion positively correlate with the functional-energy index (FEI) level and negatively with energy deficiency of psycho-functional state (ED). I.e. in the state of overloading, tiredness, exhaustion of energy resources man is not able to manage the internal energy flows.

Hostile activity, negativism in showing one's emotions (destructive activity aimed outward) negatively correlate with the functional energy balance (FEB) level and are positively connected with such parameters as diffidence and irritability (evaluation results of GDV-images in the GDV Qualification program).

The obtained results show a promising character of further studies of the influence of the information-energy field of personality on the interaction with the environment.

A NEW SOLID PHASE OF WATER AND ITS HEALING

Shui Yin Lo

Quantum Health Research Institute. Pasadena, CA, American University of Complementary Medicine, Beverly Hill, CA, ideaclinic@yahoo.com

Recently evidence for the existence of a new solid phase of water that is stable in normal temperature and pressure has been presented 1 This solid phase of water is comprised of polarized stable water clusters, which form a chain of molecules with an electric field.1 These clusters are created from diluting various substances to at least 10-7 mole/liter in a clean environment of inertia gas. From the AFM and EAFM images, a variety of stable water clusters have formed in different shapes such as straight lines, cotton balls , kidneys , and double helixes.

We have investigated the healing effect of water that contains clusters with a double helix formation. Double blind studies by Bonavida et al of UCLA2,3 have found that "there was significant stimulation of several cytokines by human peripheral blood, namely tumor necrosis factor alpha (TNF- Q), interleukin-6(IL-6), IL-12, and interferon-γ (IFN-γ)." From this evidence, we expect that double helix shaped, stable water clusters or Double Helix Water (DHW) can boost the immune ability in humans, and thus providing a healing effect on many kinds of immune diseases including arthritis, diabetes and autism (2).

Live blood analysis on 20 subjects was performed. The live blood before and after drinking DHW has shown significant changes. Numerical scales are assigned to the degree of severity of abnormality of the blood sample. They are interpreted to indicate DHW has significant ability to detox the body. Video clip of the live blood samples before and after drinking DHW will be shown

A pilot study was conducted to study the healing effects of DHW on eleven children with Autism Spectrum Disorder (ASD) for a period of three months. To quantify the effects of the DHW, an infrared image system was used to take thermographs of the subjects – a control set prior to drinking the DHW , and another set fifteen minutes later after drinking the DHW .In all the patients, the affected area have shown statistically significant improvement, sometimes up to one degree Celsius.

The premise of the healing benefits stems from the study of meridians, a network of energy channels that regulate the bodies' energy and health. Through various studies and observations, it is hypothesized that these meridians are constructed from stable water clusters. When the meridian system is not functioning properly, it could lead to many different diseases and health problems. The inflamed part of the thermographs are an indicator of this. By drinking DHW, balance is restored to the meridian and the results can be seen by the release of inflammation in the thermographs.

The preliminary conclusions of this pilot study on children with ASD are:

- 1. The thermographs showed statistically significant changes in body surface temperatures for all subjects fifteen minutes after drinking DHW.
- 2. Traditionally ASD is classified as a disorder of neural development, originating from dysfunction of the brain. However results from the thermographs show inflammation in the brain as well as other regions such as the neck, shoulder, armpit, and abdominal areas.

References:

- 1. Shui Yin Lo, Xu Geng, David Gann Physics Letters A, , Oct 2009: Evidence for the existence of Stable-water-clusters at room temperature and normal pressure,
- 2. D Gann, and Shui Yin Lo: Double Helix Water, 2009, D & Y Publishing; For the healing effect of DHW on other illness, see www.stablewatercluster.net, and www.doublhelixwater.com.

PERSPECTIVES OF USING GDV TECHNIQUE FOR PROGNOSIS OF POST-OPERATIONAL DELIRIUM TAKING INTO ACCOUNT THE PSYCHOLOGICAL TYPE OF PERSONALITY

Strukov E. Yu., Tuzhikova N.V., Nikulin A.A.

S.M.Kirov Military-Medical Academy

Development of acute post-operational disturbances of mind (PDM), particularly delirium, is an urgent problem of modern medicine. The absence of sole methods and approaches in diagnostics of this complication requires the search for new objective methods of prognosis and early detection of PDM. Our experience showed the promising character of GDV technique in this area. The differences of GDV-image parameter distribution were found out for operated patients with non-complicated post-operational period and for patients with developed post-operational delirium (POD). However a number of patients initially show a distribution picture of the static GDV-image parameters in dynamics, looking like the picture with patients with POD. This allowed us to assume that dynamic distribution of the main parameters of GDV-images is rather individual and depends on the type of higher nervous activity (HNA) of the patient. To confirm the hypothesis we made GDV measurements of 33 practically healthy people featuring a complete psychophysical well-being using the programs for statistical image processing: the GDV

Diagram and GDV Scientific Laboratory. To divide the subjects into groups according to HNA types Spilberg-Khanin test was used. The obtained data analysis showed that the distribution of the GDV-image parameters, such as the coefficient of activity, the integral glow area and their amplitudes significantly differ depending on the type of HNA of the subject.

Thus the use of GDV technique for prognosis of POD development requires taking into account the initial data of the parameter distribution depending on the type of HNA. It will increase the diagnostic value of the technique. The work in this area seems perspective and will be continued.

THE ELECTRIC BRIDGE

Mintze van der Velde Albert van der Velde mintze2000@yahoo.com

info@vdveldehuisarts.nl, http://www.TowardsOneWorld.eu

Electricity plays a role in many, if not all, areas of manifestation, and we will touch upon concepts as vast as galaxies in the sky as well as upon topics as small as cells and even cell parts in the human body.

We first give some basics from the point of view of the Ageless Wisdom, which may be viewed as a guiding thread throughout this investigation.

Then we will explain what we mean by "the Electric Universe."

And we will see what that implies for galaxies, our Sun, and our planet Earth. Finally we will have a short look at its implications for the human cell.

It is not difficult to see that within this framework modern equipment ranging from the electron microscope, the GDV technique, to the Hubble telescope, all reveal an underlying pattern gradually coming to the surface of our consciousness through scientific understanding.

THE IMPORTANCE TO BE TOGETHER FROM THE HEART AND THE SOUL IN THIS TIME OF EVOLUTION

Hugo Van Verdegem

Lifecoach, psychologist, energetic therapist, healer, spiritual teacher, Belgium www.hugovanverdegem.be - www.warezelf.com

It 's time that we deep understand that now there is are tremendous possibility to change a lot on Earth.

We have to understand that know the forces, the energy's, the new possibilities are already here to bring an enormous change, a renewal, an innovation on Earth....on all levels, on all structures, in every organisation, in every segment of science, art, economy, politics, spirituality, psychology and so on...., in every human being.

We are Human Beings with possibilties not with limitations. We are greater than we think.

We are Spiritual and Sexual beings who can use an Lifeforce that is much greater than ever experienced on Earth.

But we have also to accept and to understand that now in these times there are new great energies who comes to the Earth to bring us the ingredients, the etherical power to make a difference never seen on Earth. We have not long the time (maximum 15 à 20 years) to act.

Therefore it is necessary that we make choices who are important for Humankind.

We are responible for ourselfs.

I believe 7O % of the people on Earth has not an evolution code and about 3O % has it. That brings frictions and conflicts but it has a lot of reasons. Otherwise we should not evoluate.

Those 3O % has made in his Soul and with the Source in his self and the Source of the Universe a contract to help the Earth and even the Universum evoluate. But we have it to do first on a personal level.

Those who want to step on the way of evolution have to choose first for Spirit and the Light.

The step to the Soul, to the consciousness of the Soul, is possible by more and more people. This means a complete renewal and innovation. It means an

complete other sight on the reality from this Earth. It is not a fantasy, it is not a disorder, it is an order and it is a reality.

To see this, to feel this, is an inner knowing based on heartscarried/barried consciousness.

I will bring to Russia

- My visions how important it is to live from the language of the Heart and the Soul
- We can do with each other little excercises who can open the inner intuitieve Heart and who connect you more with you etherical lifeforce and etherical body from who you really are
- New insights about the connection of vitamines, minerals and trace elements and emotions. Is there a correlation with food and selfsabottageprograms?
- New christalremedys who brings balance and recovery the left and the right brain, who brings balance between the center of thoughts , the center of feelings and the center to act & to create and a lot of more transmutations. The Christal Remedy works on the emotional, mental, physical and psychic levels. It also dissolves unconscious, self-undermining structures. The Christal remedy is only effective with people who acknowledge the existence of the Soul.
- I will tell you about the difference between egocentered consciousness and heartsbeared/heartscarried consciousnes

There is a lot to experience, more than words can say.

Let us be together in open sphere with open hearts and minds. What I will bring to Russia I am also curious that the GDV camera or other equipments can mesure and make visible who important it is the share it and to give it to the World.

We are all One but everyone is authentic and has specific talents and I want to meet those who really can make the difference on Earth.

So now you have also one of my motivations to be on this important congres. Science.Information.Spirit.

Proceedings 40

SQUAMOUS CELL CARCINOMA TREATED WITH CONVENTIONAL AND ALTERNATIVE MEDICINE

Dr. Ricardo Velásquez L.

Email: rivela43@gmail.com

This is 41 years old male patient with the history of a car accident 25 years ago with fractures in his right leg.

He had several surgeries after the accident. Four years before he came to our clinic, a painful and bleeding tumor appeared in the same leg.. Over the years the tumor became very fetid associated with paresthesia and anesthesia of the right leg. In 2007 he had a biopsy with the diagnosis of Squamous Cell carcinoma of the right leg. Oncologists that were treating him at the National Cancer Institute gave him two alternatives: amputation or radiotherapy with subsequent amputation.

Therapy: Photodynamic therapy (infrared and ultraviolet light), modulation, Photo sensibilization of the patient, 980nm infrared laser, micro nutrients, intravenous Vitamin C. (25gms), Ozone therapy (gel and ozone bags), surgery and radio therapy.

The patient was totally cure after ten months of treatments.

INTRINSIC ACTIVITY OF AQUAEOUS SYSTEMS IS THE BASIS OF BIOLOGICAL EVOLUTION.

Vladimir Voeikov

Faculty of Biology, Lomonosov Moscow State University, Moscow, Russia, v109028v1@vandex.ru

There are two major alternative concepts of evolution of living matter: (Neo)Darwinian concept and that of Lamarck. According to the Darwinian principle ("natural selection" → "survival of the fittest"), living organisms are more or less passive "objects", whose activity is restricted to the "desire" to multiply. Beneficial <u>chance</u> variations in the progeny provide them with the ability to survive in the given environmental conditions, and evolution results from the appearance of more and more fit species.

According to Lamarckian principle, living organisms possess intrinsic activity for perfection. In response to changing environmental factors organisms are able to modify their whole organization. Adaptive changes of living organisms can be inherited in their progeny providing for the transmission of the acquired successful trait in generations. Lamarck is mostly known for suggestion of this mechanism that was ridiculed for the whole XXth century. However rediscovery of epigenetic inheritance rehabilitated Lamarck in this respect, though his "intrinsic activity" principle is still neglected as "vitalistic".

The principle of intrinsic activity implies that living organisms use internal forces for the performance of functions for their self-development and sustaining alive. Besides an organism actively extracts energy (and matter) from its environment and is capable to concentrate it. Thus an organism has higher energetic potential than its (immediate) environment and incessantly transforms this potential into free energy.

Rejection of the principle of intrinsic activity is based on the notion of a living organism as of a kind of a chemical reactor driven by the external energy supply and functioning in a regular manner due to instructions written in its DNA. This approach does not take into consideration aqueous constitution of all living organisms. Recent evidence demonstrates that aqueous systems represent poly-phase systems in which different energy gradients always exist between phases. Such aqueous systems extract low grade, low coherence energy from their environment and convert it into high potential and coherent free energy. They can evolve in the direction of increasing their complexity, free energy content, and efficiency in using this energy for both sustaining in non-equilibrium state and performing external work over their environment. Thus physical chemical properties of seemingly non-alive aqueous systems may serve foundation for the Lamarckian principle of intrinsic activity of living systems.

MICROORGANISMS IN A SPACECRAFT. PROBLEMS AND PERSPECTIVES

Voeikova T.A., Emelianova L.K., Tyaglov B.V., Novikova L.M., Debabov V.G.

State Research Institute of Genetics and Selection of Industrial Microorganisms, Moscow, Russia. E-mail: voeikova@genetika.ru

Microbial flora on board of inhabited spaceships includes more than 250 species of bacteria and microbial fungi. Studies of the effects of the factors of space flights upon the behavior of microorganisms revealed multiple changes in the processes of their vital activity. Action of microgravitation, electromagnetic fields, radiation result in abnormalities in the development of microbial populations, change the process of genetic material exchange among individual

cells, reduce vitality of microbial cells, and violate their metabolism. Adaptation of microbes to the conditions of space flights realizes as a rule at the expense of gene expressions changes that occur very fast in most cells in particular populations. Impact of gene mutations in the process of adaptation is much lower, though mutans with the modified metabolism were also identified. In this respect the task of securing of cosmonauts from microbial infections, working out the strategy of the protection of materials and devices on board the ship from bacterial damage.

The promising research of the employment of bacteria on board the space ship is the development of bacterial electrical fuel cells (BFC) on the basis of electrogenic bacteria (for example, Shewanella oneidensis). These microbes are able to generate electrical power while metabolizing different organic substances. BFC may be used as alternative energy sources for feeding devices with low electricity consumption for a long time under the conditions of a space flight.

DIAGNOSTIC SYSTEM FOR REVEALING PATIENTS WITH ARTERIAL HYPERTENSION AND ITS COMPLICATIONS BY BIOELECTROGRAPHY METHOD

Yakovleva E.G.*, Kovelkova M.N.*, Alexandrova E.V.**, Korobka I.E.*, Belonosov S.S.*, Zarubina T.V.*, Zubkova A.V.**, Struchkov P.V.**, Kholmanskaya I.V.*

*Russian State Medical University, Moscow **85 Clinical Hospital FMBA of Russia, Moscow k_iakov@mail.ru

For revealing patients with an increased risk of disease during mass preventive or professional examinations the methods are necessary that have a high flow capacity and are non-invasive and safe. Bioelectrography meets these requirements completely. However a differential diagnostics with this method is not trivial, especially it refers to such poly-organ disease as arterial hypertension. To solve this task we used methods of computational diagnostics.

With the GDV Camera we examined 799 patients with arterial hypertension (AH) and 208 patients were examined with the GDV Camera and with triplex scanning of the main arteries of head. On the basis of these studies the main rules were formulated which allowed to divide the patients into groups according to the AH stage and the presence of the disturbed main head arteries on extra-cranial level.

Currently the system works in a semi-automatic mode. After measurements of 10 fingers it is necessary to make calculations in the GDV Processor or GDV SciLab, and then the necessary parameters are recorded into a diagnostic system that gives a conclusion about the presence of the arterial hypertension and disturbances in the main head arteries. Then the patient is sent for the necessary examination and a more accurate definition of the diagnosis.

THE GDV GLOW CHARACTER AND RESPONSES OF NCTC CULTURE CELLS TO THE ELECTROMAGNETIC RADIATION EFFECT OF THE GDV CAMERA

Yemelyanov A.N.*, Borisova M.V.**, Korotkov K.G.***

*SPbMAPO, **SPbGU, ***SPbGUITMO

The purpose of the present study was to obtain information on localization and activity of NTCT cell cultures, clone 929 line L, with analysis of dynamic GDV glow images. The response of the culture to the electromagnetic radiation effect of the GDV Camera was also studied.

Methods and materials

For recording GDV glow, suspensions of cell cultures were used: NCTC, E. Coli - C41, Saccharomyces cerevisiae, Mycoplasma bovigenetalium et bovimastitidis; they were placed into Petri cups made by NUNC, sized 20 and 9.6 cm². To obtain the Kirlian effect a point (a syringe needle) grounding electrode was used, the voltage mode was minimal when we obtained a stable glow with 1 kHz frequency. The exposure time was varied from 0.6 s to 32 s. Results: In Petri cups an uneven (shaped as concentric circles) glow of preparations of different cultures was found. The data results of the initial tests show that the phenomenon of the concentric circular glow has rather physical than biological nature, since it depends on the culture, its concentration, time of discharge and geometry parameters of the cup. However, biological objects (in this case the cell cultures) actively respond to factors causing glow.

Studies of time dynamics of the response of NCTC cell cultures to the electromagnetic radiation effect of the GDV Camera (10s, range 1) showed that this effect has little influence on the NCTC cell adhesion; however their proliferation capability, in comparison with cells that were not affected by the radiation, decreased approximately 3 times.