



RESEARCH ARTICLE

POSSIBLE WAYS TO NEUTRALIZE BIOPATHOGENIC RADIATION

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ABSTRACT

The development of new technologies, such as wind turbines or antennas, such as mobile telephony induce new forms of pollution that spread through soil faults and can have a negative impact on the health of humans and animals. Really there are an invisible hazards in the wireless age associated with mobile phones, monitors of personal computers, base stations for mobile phones, geopathic zones, high-voltage power lines and others. These problems are real and it is logical to think that the recent and large-scale multiplication of antennas and wind turbines with their earthing in pathogenic zones induce fields which modify the natural equilibrium of the soil and have effects on the biosphere.

In the article we share our experience which led us to understand the link between some of these installations and the disorders observed in humans or animals and then to propose ways to correct the situation. All representations are confirmed experimentally and are as far as possible illustrated. The article does not intend to result in any mathematical formula, because, according to the author's deep conviction, the analysis of any mechanism of phenomena and processes must begin with the drawing of their visual image. At this stage it is established that mathematical logic yields to the living logic of nature. Device for detecting the state of "physical vacuum" is proposed.

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INTRODUCTION

This article is a fascinating story of scientific detection, that the answers to these and other tough questions, and tell stories about the alarming state of neglect, corporate manipulation, for example, the specific absorption rate of electromagnetic radiation, and others. All representations are confirmed experimentally and are as far as possible illustrated. The article does not intend to result in any mathematical formula, because, according to the author's deep conviction, the analysis of any mechanism of phenomena and processes must begin with the drawing of their visual image. At this stage it is established that mathematical logic yields to the living logic of nature. Throwing a glance back at the experience with the wireless communication industry taking into account the project of Refdex, one can state today that under the current circumstances the truth about the biological effects of electromagnetic radiation is heavily suppressed with all means – including criminal ones. REFLEX was carried out between 2000 and 2004 by 12 research teams from seven European countries, mainly funded by the EU Commission. Results obtained at the Medical University of Vienna showed that low-frequency as well as RF electromagnetic fields own a

gene-damaging potential. Genotoxic effects such as DNA strand breaks were observed in isolated human fibroblast exposed to UMTS radiation already at a special absorption rate (SAR) of 0.05 W/kg, thus only one-fortieth of the currently valid exposure limit. Under GSM radiation and otherwise identical experimental conditions a SAR value of 0.3 W/kg, that is one-sixth of the currently valid exposure limit, was necessary to significantly increase the rate of DNA strand breaks. (REFLEX Final Report). It is a real tragedy that thousands of people, who suffer from effects of various forms of electromagnetic fields (EMF), are considered to be mentally ill only because science is not able yet to understand the basic mechanisms leading to Electromagnetic hypersensitivity (EHS).

Medical doctors, who are consulted by more and more people with symptoms which do not fit to any known disease, feel as helpless as their patients do, who suffer in a way that their hardship cannot be ignored anymore. This should be reason enough for our societies to take care that these people can lead a life as normal as possible. For decades, politics and industry dominated EMF-research aimed at protecting their economic interests. Thus, our current knowledge about the risks for men and nature through electromagnetic fields is very poor. What we need is independent research that is funded by private

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institution in case the governments refuse to do so. It is of note that the numerous recent scientific studies performed by independent laboratories in various universities in the world have confirmed a detrimental effect of radiation such as from base station of mobile phone and mobile phones on the human body. The studies conducted within the industry of mobile phones are based on measurement of SAR (specific absorption rate) and as a rule they contradict the above-mentioned results or cast doubt on them. The currently valid exposure limits are based on the assumption that they reliably protect the human organism, because RF radiation is ineffective as long as it does not raise the temperature in the tissue. This assumption, however, is contrary to the results of an increasing number of studies which altogether show that biological effects occur already far below these exposure limits. Yet, these results are neither considered by the wireless communication industry nor by the government, which in anyway is responsible for the protection of the people against health risks. Thus, we can say that today the most extensive multiracial biophysical experiment of mankind is under way with an uncertain outcome (REFLEX Final Report).

Already before World War II the necessity of exposure limits for RF radiation had been discussed. Since the outbreak war, when the technical use especially for military purposes became increasingly relevant, health risks that had been pointed to in previous observations were ignored. After the War military and industry, which in the meantime highly esteemed the technical potential of RF radiation, both for decades took care that this view maintained. They were supported by politics. In Europe, an important milestone to assure economic interests with fixing exposure limits was the establishment of the International Commission on Non-Ionizing Radiation Protection (ICNIRP) in 1992. In line with the industry's position ICNIRP took over the view that there are no other effects of RF radiation but thermal ones. Unfortunately, Adlcofer's team did not raise the issue of the effect of very weak electromagnetic radiation - 1/40 of the amount of the current permissible radiation norm - on DNA. It was the torsion field generated by a weak electromagnetic radiation that caused the DNA to be affected (2). Torsion fields arise in the so-called Physical Vacuum, in which we are located. This is very unusual for a person who first collides with the theory of Physical Vacuum, but this is the fact. Hazard researchers have long been interesting in examining the physical characteristics of so called "the physical vacuum". First of all, we must give a definition of the physical vacuum. What are the properties of the vacuum, the absolute nothingness? So far, the physicists have assumed that it is impossible to directly access the characteristics of the ground state of an empty space. An empty space around us is not as empty as one might think. Clearly, the quantum vacuum is not empty space; it is a significant element of the Universe. Just how significant we can only guess, but even a conservative guess would admit that it goes far beyond the significance attributed to the vacuum in the classical theories. These theories have already accepted that the behavior of elementary particles is influenced by the vacuum. Current research at the growing edge of science suggests that interactions between the vacuum and the observable world of macro-level objects are fundamental for our understanding of the nature of reality. Anatoly Akimov, G.I. Shipov and co-workers developed a sophisticated theory of the "physical vacuum" (Akimov and Tarasenko, 1992; Roger Penrose, 2004; Anatolii Pavlenko, 2017; Keith Wakelam, 1995).

Let us assume that we managed to eliminate all elementary particles from this volume and screen it so that no particles from outside could get inside. However, even in this case, according to the modern physics, we cannot claim that the considered object is empty. So-called a virtual electron-positron pairs can occur in arbitrary points of this space volume. Matter objects – electron-positron pairs cannot be generated from nothing. Only matter can generate them, and if we do not register it in the indicated space, then this is some specific matter that cannot be observed in its ordinary state. This specific matter was called the physical vacuum. In addition to electron-positron pairs generation, the physical vacuum proves itself by the number of experimentally observed phenomena. Presently Ukrainian and Russian teams consider the physical vacuum as a universal torsion-wave carrying medium. The torsion field (TF) is said to fill all of space isotropically, including its matter component. It has a quantal structure that is unobservable in nondisturbed states. However, the violations of vacuum symmetry and invariance create different, and in principle observable, states (Akimov and Tarasenko, 1992; Anatolii Pavlenko, 2017). Now, a team of physicists has succeeded in doing just that (Moskalenko *et al.*; Marcel Urban *et al.*, 2013). They demonstrated a first direct observation of the so-called physical vacuum fluctuations by using short light pulses while employing highly precise optical measurement techniques (Figure 1).

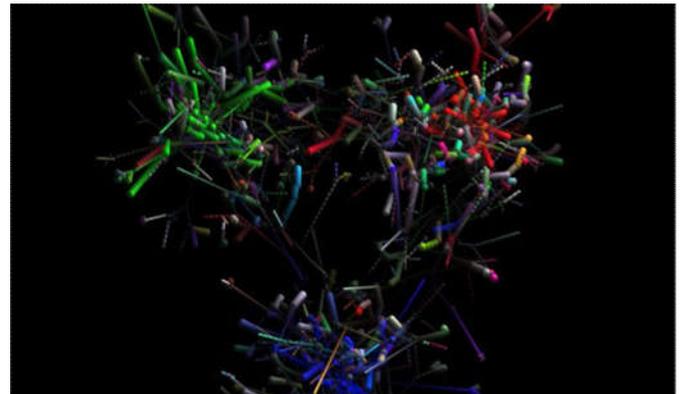


Figure 1. Physical vacuum fluctuation

Two forthcoming European Physical Journal D papers challenge established wisdom about the nature of the physical vacuum. In one paper, Marcel Urban from the University of Paris-Sud, located in Orsay, France and his colleagues identified a quantum level mechanism for interpreting vacuum as being filled with pairs of virtual particles with fluctuating energy values. In other words the vacuum fluctuations may be thought of as a flickering of the quantum (Marcel Urban *et al.*, 2013). It is known that any item shown in the world, including living creatures, polarizes the physical vacuum.

The degree of vacuum polarization and the shape of it depend on many factors. It may be subject to another article (Akimov and Tarasenko, 1992; Anatolii Pavlenko, 2017). The scheme of polarization of the physical vacuum by a single electron is given in the book by Roger Penrose (Victor Shkatov and Vitaliy Zamsha, 2015). But such the virtual particles can have a measurable collective effect. The picture of physical vacuum polarization is shown in Figure 2. This polarization of the physical vacuum is carried out, for example, by TVs, monitors, and other electronic gadgets. The action produces a charge polarization of the vacuum, as prescribed by quantum

electrodynamics. https://images.sciencedaily.com/2015/10/151002082311_1_540x360.jpg. The positive (red — virtual positrons) and negative (blue — virtual electrons) regions are distributed in space and they change constantly at high speed.

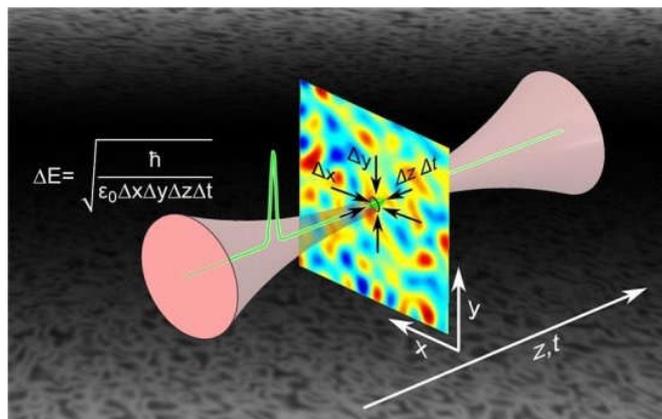


Figure 2. Physical vacuum polarization American biologists drew attention to this phenomenon, calling such radiation "nonclassical electromagnetic radiation"

SAR is considered as an official standard for measuring the effects of electromagnetic radiation (EMR) from mobile phones on human brains. In fact this model is based on physics but not biology. In this model the human brain is simulated by a solution of salts. In the industry of mobile phones SAR measurements are used for checking the levels of exposure of human beings to EMR generated by mobile phones. So, the recommendations adopted in the industry of mobile phones are as follows: any technology used to ensure safety of mobile phones shall decrease SAR values determined on the basis of this (rather arbitrary) human brain model (Glen Rein, 2014).

However, the biologists do not consider SAR measurements as an accurate representation of mobile phone EMR effects on the human brain in real life (Glen Rein, 2014). As an alternative of SAR the increasing number of scientists uses the biological systems for evaluation of harmful effects of mobile phone EMR. One of the studies that can be considered as a rigorous scientific test is the research conducted under the guidance of Glen Rein in the Research Quantum laboratory (Glen Rein, 2014). In these studies human DNAs have been investigated as according to the assertion of the researchers they react to both "classical electromagnetic fields" and "non-classical ones". Allusion to "non-classical" electromagnetic fields shows that these scientists-biophysicists could step aside from the orthodox way of thinking. The idea that had defined the direction of these investigations was based on an assumption of a significant role of quantum phenomena in implementation of possibilities to be proved. In the above-mentioned works the positive moment is a reference to "non-classical" electromagnetic fields though their physical nature has not been disclosed. In our opinion the "non-classical" electromagnetic fields are torsion fields that consist of virtual particles – virtual electrons and positrons and other virtual particles. Torsion fields of any object contain information about elemental and quantitative composition of its matter and structure including a component that represent information about the spin state of this matter (rotation parameters: precession and nutation), which change in the processes of interaction of TF. Therefore the TF are also called "informational" ones (Akimov *et al.*, 1996). Hereafter we will acquaint the readers with the theme of the virtual particles and

their effects on the human body with the available for us consistency and fullness.

MATERIALS AND METHODS

The Invisible Hazards in the Wireless Age

Techno pathogenic effect - a set of factors and processes that have any kind of negative effect or impact on living organisms resulting from scientific and technological progress of mankind. In our work we focus on the part of our accumulated material on the subject, illustrate a further impact of base stations of mobile phones on a living through the geodynamic zones and the geopathogenic zones of the Earth. The geodynamic zone of the Earth are solar receptors and techno pathogenic influences. The components of the vortex of solar radiation affect the Earth and have a significant impact on the change in the electron emission devices mark the transition from the sunlit side of the Earth in shadow. The Sun during the day irradiates extensive ultra high flow Earth, and at night on the shaded side of the Earth stream is the result of the interaction of solar radiation vortex with the core of the Earth (www.spinor.kiev.ua). It was determined by LLC "Spinor International" (Ukraine), SARL "Tellus" (France) and Association «Prosantel» (France) (<http://www.pandora-foundation.eu/documents/ruthless-attacks-on-scientific-results.html>; <http://www.pandora-foundation.eu/projects/hardell-project/index.html>), that the installation of masts base stations (Figure 3) and wind turbines at the intersection of the fault zones, which is a natural migration of groundwater, or geopathogenic zone, causes the appearance of artificial radiation of these zones and the spread of radiation occurs along areas faults or discontinuities along the axial in the soil.



Figure 3. Base station of mobile phone

Constant exposure to natural and artificial radiations can cause changes in behavior, the state of aggression or depression (sometimes to the point of suicide), constant fatigue, sleep problems, partial loss of memory, problems with concentration, stress. All electronic devices generate like natural cosmogenic fields - technical TF (3,18). Large amount of free radicals produces in the body under their influence. To prevent a negative impact on the living need to harmonize the physical vacuum. The action of these harmonization devices is based on the elimination of the asymmetry of physical vacuum components. The simple harmonizing device consists of several elements, which were recorded the left and the right TF before. We have developed the device of the physical vacuum harmonization. When the device is a plug in the powerline network the physical vacuum is harmonized (Anatolii Pavlenko, 2017; Keith Wakelam, 1995). It is necessary to pay much attention to theoretical issues of influence of technical

TF on the human body and alive and biomedical research, one of the main areas of studying natural and technical torsion fields must be brought to a new level. The author with colleagues worked in France 2005. The article (Alexandre Rusanov, 2008) provides 5 examples of the negative impact of base stations on humans and animals, and a manner which they were protected from the negative impact on them.

RESEARCH METHODS

Consider the case of a pylon bearing relay antennas; according to the theory of torsion fields (REFLEX Final Report), the long cylinder constituted by the pylon creates in the upper and lower part of the left TF (Figure 4) even if the electrical equipment is not connected;

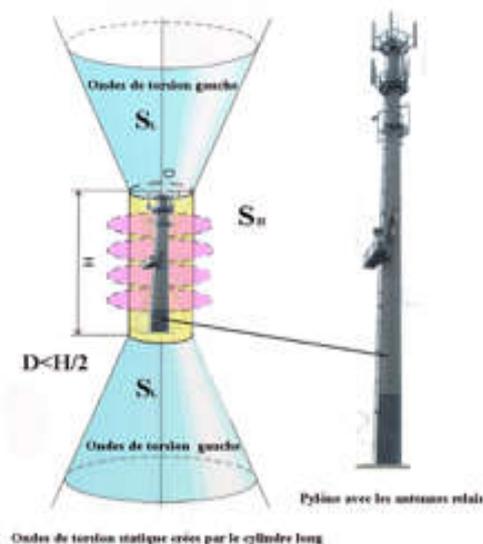


Figure 4. Model of mobile phone base station

The crossing of faults where the water flows also creates torsion fields and if the pylon is placed on this crossing, the torsion fields will be amplified. The experiments showed that the problems were linked to the position of the buildings at the intersection of faults where water circulates, causing nuisances of a natural origin. The researchers believe that their proposed enhancement of the power of vacuum fluctuations can have profound implications for understanding Casimir and Van der Waals forces and it may even be used for applications in quantum information processing and other emerging quantum technologies.

VEGA-12U Geophysical Anomaly Indicator

It is intended for determining the location of geophysical anomalies (GPA) in the form of diverse nets and spots, for example Hartmann and Curry grid, the changes of the electromagnetic component of the geomagnetic field of the Earth in the diapason of 5÷10 kHz, sensitivity spanning from one to hundreds of picovolt. As the output parameter of the device, the integral of the phase shift on the analyzed frequency is used. Considering the fact that GPA has a torsion nature, Spinor International employees developed the way to employ VEGA-12U (Figure 5) to indicate TF. In doing so, we use the "Pointer" operating mode. It should be emphasized that the VEGA-12U is only an indicator of the torsion field, and with

its help it is not yet possible to determine the sign of the torsion field itself. We are working towards improving the VEGA-12U so that it will be able to detect the sign of the torsion field. In operating mode "Digit" VEGA-12U is a highly sensitive selective electro magnetometer. The device is designed as a portable measuring sensor with visual indication and a power supply unit connected to it with a cable.



Figure 5. Device VEGA-12U

The VEGA-12U device is designed to:– detect the geophysical anomalies (the geopathic zones) known as Hartmann and Curry grid in apartments, in offices and on industrial premises; –detect the indoors anomalies of unknown origin, constituting spots, strips, three-dimensional objects (phantoms);–explore the karst caverns, faults, geological heterogeneities of the ground, water veins, which are powerful geopathic zones; – to explore the «aura» of animate and the inanimate objects.

Base Stations of Mobile Phones – Sources of Technopathogenic Emissions

The adverse effect of the natural technogenic zones which are the geodynamic and the microgeodynamic zones, is enhanced by the present-day anthropogenic exposure. The aim of the research conducted in France was to corroborate the negative impact of the natural technogenic zones of the Earth constituting a complex dynamic structure, whose peculiarities are only now becoming known in a fuller measure, on all live things. The extent of the intensification of the modern anthropogenic impact on all live things with their interaction with the natural technogenic zones of the Earth is of interest. The French and the Ukrainian scientists have established that if the grounding of the mast of receiving and transmitting antennae for mobile phones and grounding of wind generators and some other electric devices is made in the place of intercrossing of the geodynamic or the microgeodynamic zones in the state of expansion (when water circulates through them) or in the left field of the Hartmann grid, this causes the an enhanced left TF to appear. The field expands through the system of geodynamic zones for distances spanning for tens of kilometers. The oil and the gas pipes, dry beds of rivers and streams, any extensive heterogeneities in soil can also serve as a "torsion waveguide". Figure 5 presents a model of a base station of mobile phones built in accordance with the long stem

model where the length significantly exceeds its diameter. At the foundation of the base station and on its top there is a high-intensity enhanced torsion field propagating axially in all directions.

Damage components

Unfortunately, the scientific data accumulated by the present time is not enough to explain the majority of the objectively existing biological phenomena connected with influence of TF on a human, therefore it is only possible to make a number of assumptions on the phenomenological level. It was earlier believed that the control on all levels of organization of a bioobject is conducted by weak electromagnetic (EM) fields and TF activating or deactivating various processes. TF of TV sets, mobile phones, base stations of mobile phones, the geopathogenic zones of the Earth, as well as diverse symbols indented on a metal or a dielectric material, as well as permanent magnets may be the emitters of such sort, forming weak but determined torsion control signals on the level of organs, tissues and cells. The mentioned weak determined signals are a modifying factor of a low intensity with a wide range of biological action. Among the many hypotheses and conjectures about the mechanism of the adverse effect of torsion fields on living organisms is the hypothesis of free radicals. A free radical is an electrically charged particle, as a free radical lacks an electron. In order to become a stable particle, the free radicals must “steal” this lacking electron from another molecule. When the electron has been stolen, for example, from a bacterium, its molecular structure has been damaged, which leads to its death. When there are no bacteria left to be destroyed and when there is not enough electrons which can be obtained from antioxidants to stabilize the number of excessive free radicals, the free radicals then proceed to the single sources they can steal electrons from – to healthy cells. As a result, the healthy cells are damaged and perish from the loss of electrons stolen by the free radicals; then an additional signal is sent to the immune system to receive further help. This creates a continuous autoimmune reaction (creation of more free radicals) which leads to the chronic inflammation and tissue damage which is usually called oxidative stress. The chronic overproduction of free radicals by the immune system causes such inflammatory diseases as arthritis, atherosclerosis, infarction, type 2 diabetes, lupus, multiple sclerosis, asthma, inflammatory bowel diseases etc.



Figure 6. Protective devices developed by the Prosantel Association (France) and Spinor International (Ukraine)

Methods of Protection from the Adverse Effect of Antennae of Base Stations of Mobile Phones, Retransmitters and Wind Generators on Live Things

Besides the known technogenic factors to which natural technogenic zones adversely influencing human health belong, a new one has occurred, that requires keen attention in connection with the growing coverage of the territories of developed countries with mobile communication. The adverse effect of natural technogenic zones which represent geodynamic and microgeodynamic zones is enhanced by the present-day anthropogenic influence. The aim of the research was to corroborate the growth of the negative impact of the natural technogenic zones of the Earth constituting a complex dynamic structure, whose peculiarities are only now becoming known in a fuller measure, on all live things. The extent of the intensification of the modern anthropogenic impact on all live things with their interaction with the natural technogenic zones of the Earth is of interest. Research conducted by The Prosantel Association (France), SARL Tellus (France) and Spinor International LLC (Ukraine) found the following. If the grounding of the mast of receiving and transmitting antennae for mobile phones, wind generators and some other electric devices is made in the place of intercrossing of geodynamic or microgeodynamic zones in the state of expansion (when water circulates through them), this causes an enhanced left TF to appear. The field expands through the system of geodynamic zones for distances spanning for tens of kilometers. It is becoming clear that topologic enhancement of the left TF on a macroscopic level takes place. The enhancement of the left TF in this case can be explained taking into account one of the known laws of TF interaction according to which TF attracts things similar to itself. The left TF existing in the mentioned places attracts the left field created by the masts of antennae etc. Antennae masts are geometric figures whose diameter is significantly less than its height and therefore, in accordance with A. Ye. Akimov's models, generate the left torsion field. Below we give some examples of the adverse effect of the left torsion field on people and animal which manifested themselves in France (18).

In order to eliminate the adverse effect of the left TF on human and animal health, “Spinor International” (Ukraine) and the Prosantel Association (France) developed a number of efficient protective devices based on the concept of safe electronics. It builds not only on the ideas of shielding or protecting a human from the harmful effect of EMF and their torsion component, but also on a totally new approach taking account of the geometric peculiarities of human-made fields. The protective devices make it possible to transform the negative effect of the influence into the positive one, i.e., they invert the TF. To this end, the protective devices are placed in the particular locations on the pylons of base stations or on the grounding of the base station (Figure 6).



Figure 7. The Vernada device

The protective effect significantly increases when the protective devices developed by the Prosantel Association (France) and the FORPOST-1 device developed by Spinor International (Ukraine) are used jointly. Such milk quality parameter as white blood count is controlled on French farms weekly. This is an objective factor which makes it possible to estimate the efficiency of the protective device. After the protective devices were installed on an animal farm, white blood count normalized within one to two weeks. Pigs and cows stop getting sick. People's general physical and mental state and sleep improve. Sometimes some diseases cure without medicines. Vernada device (Figure 8) neutralizes the zones of the left torsion field which arose as a result of the mounting of a base station, and thus protects humans and other live beings of their negative influence.

In order to neutralize the negative influence, the device should be installed next to the pylon of the base station (wind generator) at the depth of 40 to 50 cm in one of the so called "points of force" situated at the intercrossing of two "left" geopathogenic zones. In the case of the Vernada device has been installed correctly, it neutralizes the zones of the left torsion field caused by the mounting a base station or wind generator. More detailed information can be found in (13,15).

"Vernada - Geo"- protection against negative influence of torsion fields, Wi-Fi, as well as geopathogenic zones in premises

The device Vernada - Geo (Figure 8) neutralizes the influence of radiation of torsion fields of the Wi-Fi router, router, wireless networks, as well as the geopathogenic zones in apartments, offices and other premises, thus protecting human persons against harmful effect of torsion radiation (11, 13, 15, 16). The device comprises a plastic housing in which there is the inverter, and a network indication system. At switching on the device, inversion of the left torsion field to the right one by the phase conductor of the network takes place, this leads to formation of the right torsion field, and as a reaction to such event there is a substantial decrease in the level of torsion radiation from Wi-Fi and the geopathogenic zones at the territory where as a power lead the said phase conductor is present. The fact that the Wi-Fi networks are harmful for the human body is already reported by the foreign media, the recent studies of Ukrainian scientists confirm those data.

However, the problem of harmful effect of this technology practically never has been raised at the State level - constant debates go about the cellular network communication, though a clear health threat from electromagnetic and torsion radiation of mobile tubes makes very few people to give up such convenient communication means. In its turn, in conjunction with the Wi-Fi promoting wireless technology, the users believe in its total safety. However, it is not so. New, environmentally friendly, and still economically viable solutions are therefore required urgently. Vernada - Geo fulfills this requirement in an outstanding way.

Mobile Phones - Generators of Electromagnetic and Torsion Fields, Polarization of the Physical Vacuum by Mobile Phones

Until now there has been no common model of polarization of the Physical vacuum by mobile phones. Below we suggest a first approximation to the model that gives qualitative explanations of generation of left-hand torsion fields (TF)

around mobile phones. In a mobile phone we have conditions under which electric currents running inside the mobile phone in its operating modes repulses generated virtual electrons of the Physical Vacuum and as a result only the left torsion field comprising virtual electrons exists around the mobile phone. It is necessary to underscore that this model gives a clear idea of a way by which the Physical Vacuum is polarized by a mobile phone (Figure 9). In addition to the known man-caused factors (including natural technogenic zones) that negatively affect human health a new factor has occurred which demands close attention due to increasing coverage of territories of developed countries by mobile phone services.

Spinor device [Anatolii Pavlenko, 2017] neutralizes the torsion (information) component of mobile phone (MP3 player, laptop etc.) emissions harmful for a human and creates a bio-safe area around the phone (other electronic device). The device does not create any interference in the work of the phones and other electronic devices. In October 2005, representatives of Ukraine, France and Russia carried out joint testing of the Spinor protective device [Victor Shkatov and Vitaliy Zamsha, 2015; Pavlenko and Rusanov 2005] in Le Conquet, France. It was established that Spinor holographic resonator neutralizes the torsion component of EMR of mobile phones, while the protective properties are transmitted from the protected phone to the unprotected one, and the transmission of the protective properties does not depend on the distance between the subscribers. Results of the study [Pavlenko, 2008] showed a statistically significant impact of electromagnetic mobile phone radiation in terms of suppression of the electrical properties of DNA. Noteworthy, torsion field of a mobile phone in active mode and radiation of iPhone in sleep mode inhibited DNA to the same extent. Results of the above mentioned study demonstrated as well that "Spinor" stickers could reduce the inhibiting effect of EMR of mobile phones on DNA and led to increase in the rate of electrical conductivity in the human DNA almost by 30%. The mechanism of action of the Spinor device will be described in future publications.

Device the " FORPOST -1"

Specialists of the National Technical University "KPI", LLC "Spinor International", International Academy of bioenergotechnologies have developed instruments to eliminate the negative influence of the torsion component of EMR from monitors, television sets and other electronic equipment. Engineering designs of Ukrainian scientists use the idea of partial dispersion and deviation of the left TF generated by monitors, television sets and other electronic appliances when they interact with the right TF of protection devices.

Just like interference of natural intrinsic TF of buildings and structures with the lines of the GFE which change the direction of the latter, and thus those become parallel to the walls. Those facts are stated by the specialists on bio-location from Riga (27). The principle of the interaction of the TF from monitor or television set and the natural TF of the protection device is the basis of engineering design. The PC and TV set user protection device for protection against negative effect of torsion component of the EMR from monitor is a generator of static formed TF (Anatolii Pavlenko, 2017). The device for protection of human person (Figure 10) against negative effect from the torsion component of EMR of video monitors consists of at least two placed coaxially one in another concentric cylinders of the same height, the space between

those is filled with polymer (Anatolii Pavlenko, 2017). The literature does not describe the mechanisms of formation of formed static TF with semantic filling, however, it can be assumed that one of its sources is the DEL coming to existence at contact of two phases. Generation of inter-phase potential difference is tightly linked to formation of DEL, i.e. asymmetric distribution of charged particles at the interface: an excess of positive charges at one phase side induces negative charge at the other phase side. Apparently, the interfacial potential difference that comes to existence at the interface of two phases is the source of polarization of physical vacuum, or the source of formed TF, thus causing torsion phantoms.



Figure 8. The Vernada – Geo device

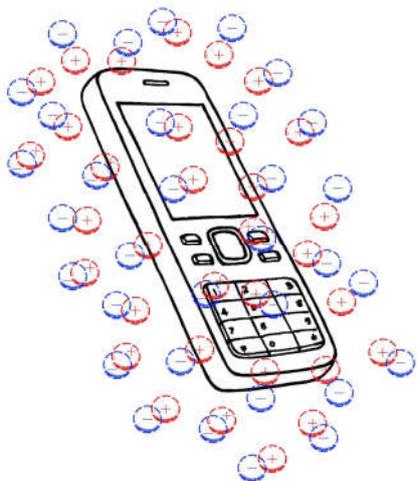


Figure 9. The Vernada - Geo device

Some processes that take place at formation of DEL are still not fully understood, since in this case there is present the effect of more subtle and complex mechanisms. It is found by experiments that the cylinders of neutralizing element, in conjunction with the biopolymer, create the right TF S_R , while the torsion component of the EMF of the monitor is the left TF. The polymer material placed in the space between the cylinders is pre-exposed to effect of a particular generator of TF during its polymerization time, this makes it possible to carry out the polymer spin polarization. This process is critical to attribute protective properties to the device, though the natural fields of coaxially placed cylinders are partially used as well. As the result, the formed static TF of the protection device is greatly enhanced, increasing the effectiveness of

protection. The protective device is placed in the zone of effect of the left TF monitor, preferably at the front part of the monitor in such way that one of the ends of the device is directed normally to the optical axis of the monitor (Figure 12).



Figure 10. “Forpost” device

As it is stated above, the left field of the video-monitor and right field of the protective device partially compensate each other, and the uncompensated part of the left TF of the video-monitor is deflected practically by 180 °, i.e. to the region of the right TF, S_R , generated by the monitor. As the result of interaction of oppositely swirled vortices of the left S_L and the right S_R TFs, both are substantially weakened, and the total field from the monitor tends to the level of the background (Figure 12).



Figure 11. Left torsion fields from the monitor



Figure 12. The background level of monitor’s torsion field

The device for protection of users against negative influence of PC monitors, other electronic equipment – is a material object, which is a coherent set of regular geometric shapes with corresponding surface geometry creating a formed shaped static polarization of physical vacuum, at that the latter is substantially increased due to the ordering of the polymer particle spins, or some other filler filling the inner free space of the device.

New developments



Figure 13. The new device "Vernada-Odo"

The device for protection of users against negative effect from PC computer monitors, other electronic equipment, creates two right formed static torsion fields propagating in the form of symmetrical cones at a distance depending on the number of creative poly-forms - creators (material objects with the appropriate surface geometry). The principle of the device is based on the law of harmonization of a closed space, which we have discovered. The essence of the law has not yet been disclosed until the end of the multiple verification of the process. Advantage of this model in comparison with Vernada-Geo - there is no need to plug-in the device in the electrical network. But this is a disadvantage of this device, since it harmonizes the space in only one room. In addition, Vernad-Odo can be used to eliminate the negative impact of a cell phone base stations on the live. To do this, the device must be placed in any convenient location near the base station. This device has an advantage over Vernada, since there is no need to determine the "power points" that are required when using the mentioned Vernada. Vernada-Odo can also be used in the metro. "Vernada-Odo" can be attributed, apparently, to quantum-mechanical devices. The question of the information interpretation of quantum mechanics is considered in the article (16) and it is asserted that the elementary particles themselves have a consciousness, perhaps quite different from ours. The author believes that the behavior of elementary particles is purposeful and when the particles interact, they exchange an information. They must have corrected ideas about space and time, and in this sense one can speak of a certain system, like Greenwich.

Undoubtedly, the unity of the world is of an informational nature. The particle's strategy - the wave function- is in the consciousness of the particle and is the result of the work of this consciousness over known information about the world. Thus, the particle solves the quantum-mechanical problem. When new information is received, the particle corrects its strategy, that is, it corrects its wave function. A striking example of such correction is the fact that if you identify nodes of left and right geopathic zones in a closed space, for example, in an apartment, and connect these nodes themselves with a conductive wire or a non-conductive rope, then space harmonization takes place in accordance with A. E. Akimov's model. In this case, virtual electrons and positrons are embedded in each other, forming a "phyton" in accordance with A.E. Akimov's model.

Interaction of Colours and Their Combinations with Torsion Fields

Employees of SpinorLab under the supervision of the researcher Dr. Alexander Zarichanskii discovered several options for harmonization of the Physical Vacuum by finding a combination of objects with different colours, with no difference if it's a sheet of colored paper or, for example, combination of the respective colors of plasticine (17). Leaving aside the model representation and physical reasoning of the discovered ways to eliminate the Earth geopathic zones in homes and industrial buildings, we present the list of determined combinations of energy-free blocking colours:

1. a black sheet with an orange or light blue edge;
2. a yellow sheet with a brown edge;
3. an orange sheet with a yellow edge;
4. a green sheet with a purple edge.
5. a red sheet with a green edge;
7. a blue sheet with a white edge;
8. a purple sheet with a red edge;
9. a white sheet with a green edge;
10. a light blue sheet with a white edge or with a yellow edge.

Emission of a blue-colour lamp blocks geopathic zones of the Earth within indoor spaces, regardless of whether it is an incandescent lamp or a gas discharge lamp. It was found out that all combinations of colors, which block negative effects of geopathic zones on humans, reliably protect from adverse effects of mobile phones. Small-size combinations of colored sheets may be placed on a mobile phone, laptop and other gadget battery. These same figures block generation of a spin pendulum. A twisted-pair wire of Internet generates the left torsion field. If there is a sheet of paper with numbers 17 (00010001) or 33 (01000001) written on it placed on this twisted pair, the left torsion field is absent. By placing a coloured stripe (edge) on the base colour (background) we get a torsion-active system.

Torsion Activity of Colour Ranges (Vertical)

White	Black, red, green
Black	Green, red
Purple	White
Blue	Yellow
Orange	Black
Yellow	Red
Light blue	Purple
Golden	Orange

Radiation protection in conflict with science

A pioneer in this field, the European Reflex project recently shed light on some of the mysteries, producing results that raise many questions. REFLEX was carried out between 2000 and 2004 by 12 research teams from seven European countries, mainly funded by the EU Commission and organized and coordinated by Franz Adlcofer. Genotoxic effects such as DNA strand breaks were observed in isolated human fibroblast exposed to UMTS radiation already at a special absorption rate

(SAR) of 0.05 W/kg, thus only one-fortieth of the currently valid exposure limit. Under GSM radiation and otherwise identical experimental conditions a SAR value of 0.3 W/kg, that is one-sixth of the currently valid exposure limit, was necessary to significantly increase the rate of DNA strand breaks. <http://www.pandora-foundation.eu/documents/ruthless-attacks-on-scientific-results.html>, <http://www.pandora-foundation.eu/projects/hardell-project/index.html>

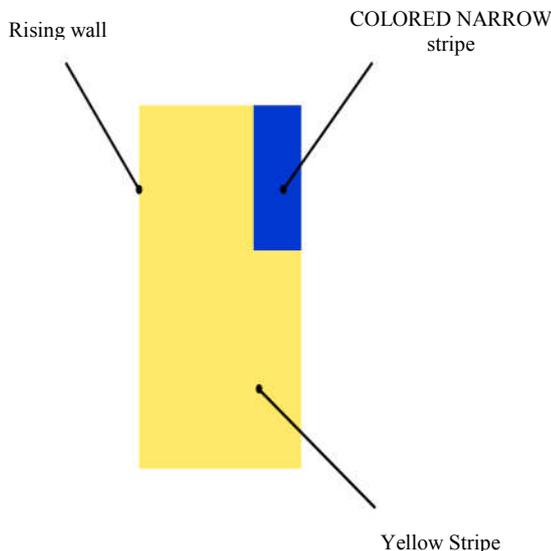


Figure 14. Torsion-active range blocks geopathic zones. Here it is necessary to quote the words of M. Gell-Mann: "Quantum mechanics, this is a complete mystery and paradoxes discipline, which we do not understand, but we can use"

Conclusion

Human settlements have an impact on the physical environment; they change locally the properties of the soil and, through it, have effects on humans and animals. The relay antennas, the wind turbines and possibly other an electrical installations (transformers, pylons, motors, etc.) may present a danger to the health of Living beings several kilometers away if they are at the intersection of the fault zones used for the circulation of water. The fault is the way of transmission of these "geotechnopathogenic" nuisances. Sustainable exposure to these nuisances can cause the dysfunctions of the body and the behavioral problems or diseases in humans and animals. The geomorphological study from the geological and topographical maps makes it possible to identify if electrical installations and the place where the nuisances occur are located on the same fault zone. The installation of protections Vernada device or plug - in Vernada - Geo device in network of the base station supply generally makes it possible to correct nuisances.

Recommendations

A genuine safety torsion field standard needs to be established to serve as a basis for future regulatory decisions. Since the specific absorption rate alone does not measure biological effects on humans, it does not serve the safety needs of consumers. Scientists, medicine and governments must move immediately and aggressively with the goal of minimizing the impact of torsion fields on children, pregnant women and adults. One agency must be designated as the lead agency for protecting people who use wireless communication devices.

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