

Spirals of science

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ABSTRACT

One of the reasons for writing this paper was the understanding that it is necessary to once again show the complex effect of electromagnetic radiation on living organisms: the electromagnetic fields themselves and the torsion components of these fields. Karl von Reichenbach also studied some radiation, which was called “Odo”, other researchers called this radiation in their own way. It is hard to believe that the nature is so generous and comprises so many undiscovered forces and fields. Most probably researchers have dealt with various aspects of the same phenomena during their investigations. Reality is like this. In our opinion, the most appropriate notion of these fields should reflect their physical nature and then to be called “torsion fields” although western researchers call them longitudinal electromagnetic waves, tachyon or Tesla radiant energy etc. The recent theoretical advance has significantly changed the approach to the problem of protecting people and animals from the negative impact of telecommunication systems on them.

Key words: Physical vacuum, Entanglement, Torsion field, Wi-Fi technology, Geopathogenic zones of the Earth

INTRODUCTION

The intelligence uniting humanity, aware of technical, geological and other cultural and spiritual aspects, some biocosmic phenomena, is moving somewhere. Where does the mind of the planet go, where does its intellectual “generalized mind” go, providing conditions for its “humanity”, for its own continuation in the generations, for its own seeming immortality, for its own happiness and well-being?

The recent development of our civilization, which also includes the development of telecommunications, has significantly changed the natural environment. Artificial electromagnetic fields (EMFs) emitted by wireless communication devices are considered the worst form of energy pollution on earth, and it is difficult to find any place on our planet that would be free from them[1].

These EMFs are commonly found in our schools and workplaces. Most apartments, family houses, offices, commercial and industrial premises are penetrated with negative electromagnetic interference fields and torsion fields. People, animals and plants in such an environment are drained of energy all the time, burdened by electro-smog; and the greater the burden of electro-smog, the more exhausted living organisms feel. One of the studies that can be considered as a rigorous scientific test is the research conducted under the guidance of Glen Rein from Research Quantum Laboratory (USA) [2]. In these studies human DNA has been investigated according to the assumption that it reacts both to “classical electromagnetic fields” and “non-classical ones”. Reference to “non-classical” electromagnetic fields shows that these scientists-biophysicists could step aside from the orthodox way of thinking. “Non-classical” electromagnetic fields have been known earlier under various definitions. To our mind the most appropriate notion of these fields should reflect their physical nature and then they should be called “torsion fields”. Torsion fields are also called Tesla scalar waves, longitudinal waves, tachyon field [18] etc.

An analysis of currently available peer-reviewed literature shows molecular effects caused by low-intensity electromagnetic fields (EMFs) and torsion fields in living cells; this includes significant activation of the main pathways that generate reactive oxygen species (ROS), activation of peroxidation, oxidative damage to DNA, and changes in the activity of antioxidant enzymes. This indicates that out of the 100 currently peer-reviewed studies on the oxidative effects of low-intensity EMFs and torsion fields, a total of 93 confirmed that EMFs and torsion fields causes oxidative effects in biological systems.

MATERIALS AND METHODS

Vacuum fluctuations

In this paper we share our experience which led us to understanding of the interconnection links between some of these installations of telecommunications and the disorders observed in humans or animals and then to propose possible ways to mitigate the situation. One can get a new fresh look at the facts and scientific theories and see what more powerful minds did not see just because they did not try to get out beyond the usual paradigm of thinking. Inertia of thinking in science does not work for generations, as many believe, but for centuries. Various biocosmic phenomena have been reported, which are probably real, but not explained by modern official scientific theories. They include radiation of an unknown type from electronic devices, solar radiation detected by sensitive people and some devices reacting to radiation of an unknown type existing near metal plates, near conductive metal wires and located in two-layer metal boxes, colored clouds (auras) around magnets and people visible to sensitive people, and Hartman's grid lines parallel to the lines of latitude and longitude found by sensitive people (dowsers) and some devices, but not electromagnetic type. Reliable reports of these phenomena are given here in attempt to explain of the Physical Vacuum theory. Orthodox (conventional) scientists have largely ignored these phenomena, because they did not fit easily into ordinary patterns of scientific thought. This article will show that these phenomena fit into the framework of modern physics, subject to the addition of one new hypothesis that a person lives in the Physical Vacuum. In other words, it is assumed that in the universe around us there is a large number of virtual particles, each of which has both electric and magnetic charges. Two forthcoming European Physical Journal D papers challenged formed understanding of the Physical Vacuum nature. In one paper, Marcel Urban from the University of Paris-Sud (Orsay, France) and his colleagues identified a quantum level mechanism to interpret vacuum as being filled with pairs of virtual particles of fluctuating energies. In other words, the vacuum fluctuations may be thought as a quantum flickering [3]. G.I. Shipov has presented ideas and principles on which the theory of Physical vacuum was grounded [4]. However, the theory lacks such classical concepts as polarization which can be defined as the specific number of elementary dipoles per unit of volume. Therefore, transition from the microscopic concepts of G.I. Shipov to the phenomenological concepts of A.Ye. Akimov [5] was necessary. It is possible that at present there is only one way - it is the construction (development) of an independent interpretation of a new physics based not on mathematical formalism, but on the physical modeling of phenomena. This transition inevitably leads us to a notion that Akimov's photon should contain a pair of particles and virtual antiparticles. It is possible that at present there is only one way - it is the construction (development) of an independent interpretation of a new physics based not on mathematical formalism, but on the physical modeling of the Physical Vacuum phenomena. In October 2015, Alfred Leitenstorfer and a team from University of Konstanz made one of the first direct detections of virtual particles by mapping out this photon fuzziness [6]. It was pointed out earlier that in quantum field theory vacuum fluctuations shall be interpreted as formation and destruction of virtual particles (particles that are continuously generated and immediately destroyed), or virtual quanta of a given field. In a vacuum, different pairs of particle- antiparticles are produced, and these pairs can be caused by electrons, protons, neutrons, quarks, etc. Virtual particles

interacting in the same way as real ones. A virtual photon is capable to generate a virtual electron-positron pair, similar to the formation of a real photon of a real electron-positron pair.

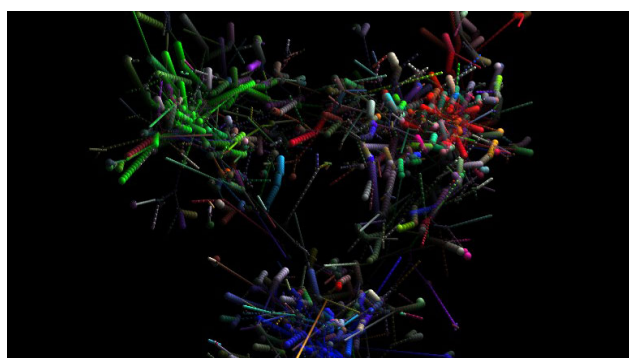


Fig. 1. Physical Vacuum fluctuation

It is obvious that the description of the virtual particles state in Physical vacuum in non-excited state is very complicated, since virtual particles have a very short lifetime, undergoing transformations. It is known that anything emerging in this world, including living creatures, polarizes the Physical Vacuum. The picture of Physical Vacuum polarization is shown on Fig. 2.

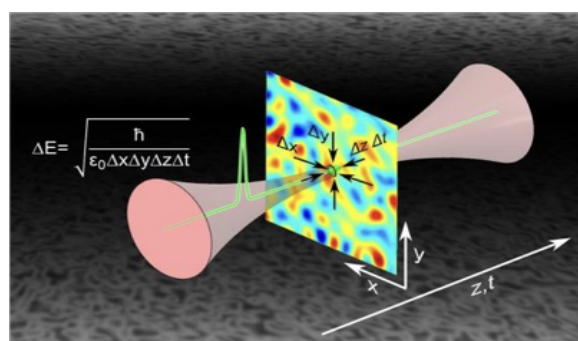


Fig. 2. Polarization of Physical Vacuum

This polarization of the Physical Vacuum created for example by TV-sets, computer monitors, and other electronic gadgets. The action produces a charge polarization of the vacuum, as prescribed by quantum electrodynamics. The virtual particles, so rearranged, interact differently with the longer light wave. In built up pockets they make the light wave noisier while in the depleted regions the light wave is quieter. For the purpose of general understanding of this phenomena essence, it is necessary to address some theoretical questions related to interaction of the real and virtual particles. The model of the Physical Vacuum polarization, linked to the perturbation of its electron E , appeared in 2007 in the book of Roger Penrose [7]. Fig. 5 demonstrates the process of the Physical Vacuum charge polarization. On Fig. 5 virtual electrons have a blue color, virtual positrons – red. One can become familiar with the process of polarization in the interaction of a real electron with the Physical Vacuum in [8].

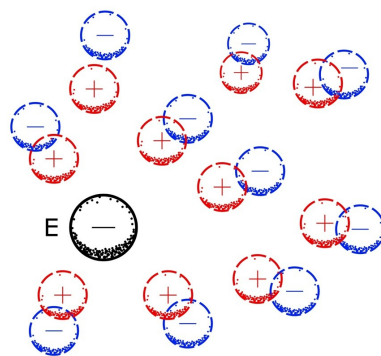


Fig. 3.

The effect of this external field of real electron E is that the born virtual electron is slightly repelled by the electron E , whereas the positron that is born is slightly attracted to it and hence there is a physical separation of these charges during their short-term life, i.e. symmetry of photons is broken. This phenomenon occurs all the time and everywhere around the electron E , which leads to a net effect called the charge polarization of the Physical Vacuum. Previously, this model was proposed by A. Akimov [5]. This is the modern concept of Physical Vacuum.

A brief description of torsion fields ideas evolution

I will begin with a short philosophical discussion of how the scientific spirit of research into relatively unknown orthodoxy science developed among scientists and how the attitude to nature itself and, consequently, to what can be investigated was very different from what happened in the framework of classical modern science. This approach is hardly meant as a means of achieving some of the roots of our problems in reconciling classical and quantum physics and combining seemingly diverse scientific discoveries into a single picture of Physical Vacuum. Not the return, but the renewal of the meaning of Nature as an organic whole, fundamentally interconnected, and not the totality of discontinuous parts, this is what may be the missing conceptual component for the development of understanding the picture of physical reality. Some biocosmic and Physical Vacuum phenomena are briefly described, the observations of which, in the author's opinion, are probably credible. Scientific qualifications and research methods related to judgments about the reliability of the data, as well as various physical concepts necessary to construct and evaluate a theory for their explanation are presented [8]. More on this later. Von Reichenbach [9] came to the conclusion that some sensitive people, most of whom are seriously ill, but also somewhat perfectly healthy, can detect any type of radiation that comes from the sun, but is different from light and from any other electromagnetic phenomenon he knows. In a large number of reasonably designed and well-controlled experiments using sensitive people as detectors, he studied the physical properties of this new radiation. He received surprising results that this radiation could be absorbed by metal plates and carried along metal wires. New radiation could not be detected directly by any physical measuring instrument known to von Reichenbach. Von Reichenbach also reported that some sick and several healthy people could see the light around the bar magnets. Magnetic auras were perceived as different colors and showed a difference in color and / or light intensity between the north and south poles of the magnet. Similar auras were observed by Kilner [10]. Images of magnetic light passed through glass lenses in accordance with the same rules as ordinary visible light. According to von Reichenbach, the magnet was weakly detected when photographing. Kilner [10] reported extensive observations of auras around people (Fig.4). Auras looked like "clouds" of different colors. They could not be seen in a room that was completely dark; A small amount of lighting was needed to achieve the effect. The color and morphology of human auras regularly changed depending on the age, gender, and state of health or disease of the subjects. The aura of a person was changed by an electrical

charge on the subject, as well as by proximity to magnets, and disappeared after death. These researchers could not determine the cause of the aura from the point of view of any physical or chemical process known to them. (explain).



Fig. 4.

The human energy field (aura) is considered to consist of virtual electrons, positrons, other virtual particles and antiparticles. It is known that membranes of all human cells have a natural negative charge and the cumulative charge of cells interacts with virtual electrons, other virtual particles and antiparticles forming an "TF-coat" (halo) predominately from virtual electrons around a person. In case when a person is in the zone of action of left torsion fields the size of a human "TF-coat" decreases, and therefore, the number of virtual electrons in the human body increases, which leads to negative consequences. For example, the size of an aura decreases, if a person holds a mobile phone with no protective device, is in the left geopathogenic zone or in front of any display. The reason for the human aura reduction in all of these cases is interaction of virtual aura electrons and virtual mobile phone electrons, geopathogenic zone or electronic display, respectively. In the case with a mobile phone the aura is reduced to 20-25 cm. as virtual electrons located around a mobile phone pull virtual aura electrons. In the other two mentioned cases virtual electrons completely fill a human body. If a cathode ray tube is used as a display device, it polarizes the Physical Vacuum in such a way that the right torsion field – a positron one, appears at the cathode side, and in the direction of electron beam movement the left torsion field is formed, as virtual electrons emerge outside the electron-beam tube are repelled by real electron beam of the tube itself.

Cyclotron motion of virtual electrons and positrons in the magnetic field of the Earth can give stable geopathogenic zones, determined by dowzers and with the help of torsion detectors

If the magnetic field inside the Earth has the value B , then the virtual electrons and positrons must go into a stable circular orbit (cyclotron motion), but move in opposite directions due to opposite electric charges and be located near the opposite poles of the Earth due to their opposite magnetic moments (spins). Thus, a large number of virtual electrons and positrons could be trapped for long geological periods of time, and the Earth may contain a circulating cloud of many virtual electrons and positrons in stable medium orbits. Consequently, a cloud of many virtual electrons and positrons within the Earth in a stable medium orbit might possibly give a summated unmoving grid-like pattern such as dowzers observe. The dowser is

apparently able to perceive something that electromagnetic instruments cannot. F.Kope [11] reports that dowzers can perceive a grid of lines “like walls” which presumably cover the Earth and are approximately parallel to the lines of latitude and longitude, and extend out from the surface of the earth along radii from the Earth’s center. These lines did not move; i.e. they remained in constant position relative to the surface of the Earth. When searched for by several dowzers, the lines were found in the same position. In this case, the fact that the douser detects in some way geopathic zones is a quantum mechanism in the human body. Further it will be shown that this may possibly be related to the consciousness of virtual particles.

]Electromagnetic radiation from the base stations of mobile phones may not directly affect a person, but virtual electrons act on a person

It was indicated in [8], that virtual electrons and positrons called tachyons may be trapped in superconductive micro-regions in man. If this is so, electromagnetic radiation incident on the man from outside might perturb those trapped virtual electrons and positrons, which might perturb the molecular structure in which trapped, and by this mechanism produce physiological effect. This opens up a completely new possible mechanism for interactions of electromagnetic radiation with man, in addition to direct mechanisms ordinarily considered. If this mechanism works, the effect of placing a person in a metal screen takes on a completely new meaning. Previously, it was taken for granted that the effect of placing a person in a shielded room is to prevent interference from external electromagnetic radiation and reduce the effect of heating the human body. If this mechanism works, the value of placing a person in a metal screen is that it can reduce (or increase) the concentration of virtual particles trapped in a person and thereby change the intensity of the torsion interactions transmitted through them. In addition, there are experimental data showing that metal structures in the absence of any artificially applied electromagnetic radiation affect the physiological and psychological behavior of a person [9]. It was assumed that this is due to the elimination of the electromagnetic field of the Earth. Now we can, however, consider the possibility that these effects may be associated with the effect of metal structures on the concentration of virtual electrons in the human body. As will be shown above, all manifested objects have their aura, as a rule, consisting of virtual electrons. Such aura have mobile phones. Peculiarity is that the human aura is reduced dramatically when a person picks up any gadget. As a result, the number of virtual electrons in the human body is sharply increased, which causes known adverse effects [8]. The same inhibitory effect on living produce left torsion radiation of base stations of mobile phones and wind turbines, and warm-blooded animals perceive the level of electromagnetic radiation normally [8,13]. It was observed, however, in the twilight, that flying insects gathered in little swarms at crossing points in the grid lattice. Therefore it seems that insects, like human dowzers possess a biological detector for these grid lines, which have not been detected by any man-made instrument for measuring magnetic or electric fields.

Possible Mechanisms of the TF Influence on Humans

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 considered that the control on all levels of organization of a bio object is conducted by weak EMFs and TFs activating or deactivating various processes.

TFs of TV sets, mobile phones, base stations of mobile phones, 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 some sort of the emitters, forming weak but detectable torsion

control signals on the level of organs, tissues and cells. The mentioned weak impact determined signals as modifying factors of a low intensity with a wide range of biological action. Among the many hypotheses and speculations about the mechanism of the torsion fields adverse effect 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, 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 grab electrons from – to healthy cells. As a result, healthy cells are damaged and perish due to the loss of electrons subtracted by free radicals; then an additional signal is sent to the immune system to receive further aid. This creates a continuous autoimmune reaction (creation of more free radicals) which leads to chronic inflammation and tissue damage which is usually called oxidative stress. 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. The modern idea is that the north pole during the day has the right field and it accelerates all the processes of evolution and growth, and the south pole slows them down.

Wireless networks inflict irreparable damage to the health of children and teenagers. It is worth mentioning that Wi-Fi operates on the same frequency as microwave ovens. A huge number of studies have been published proving that Wi-Fi adversely influences the health of mammals, in particular of a human. Among the diseases caused by Wi-Fi, the most common are cancer, cardiac failure, mental disability and memory impairment. In the USA, Great Britain and Germany, Wi-Fi is less and less used in schools, hospitals, universities (14,15).

Respecting the progress in protecting the population from the negative impact of electromagnetic radiation, we go the other way - by protecting against torsion radiation.

Recent studies revealed that the torsion (information) component of mobile phones radiation is the most substantial factor affecting human health. Spinor (Fig.5) neutralizes harmful effects of torsion component of mobile phone (MP3 player, laptop etc.) radiation and creates a biologically safe area around the phone (any other electronic device). This device does not interfere into operation of phones and other electronic devices. It was found that Spinor holographic resonator neutralizes the torsion component of EMR of mobile phones, while the protective properties are transported from the protected phone to the unprotected one, and the transport of the protective properties does not depend on the distance between communicating terminals.



Fig. 5

"In order to accomplish quantum teleportation, i.e. transfer the state of protection from a protected mobile phone to an unprotected mobile phone, it is sufficient to connect one phone

to the other via “connection link”, or rather an “assembly link” composed by these two phones. The phenomenon of quantum teleportation is manifested in the existence of instant, distance-independent interaction between the particles of a single quantum system – the two phones. Entanglement, which is present in quantum theory, exhibits the property that an action at one place may influence a phenomenon at another place, regardless of how far they are apart. This instantaneous influencing has puzzled some of the brightest minds of the last years or so. In recent years discussion around entanglement has shifted towards the study of practical applications of this spooky action at a distance, namely, communication etc. Herewith the entanglement is a special quantum form of correlations of the constituent systems which does not have a classical analogue. It arises in a system comprised of two and more interacting subsystems (or systems that interacted before and where later separated), and is a superposition of macroscopically different states. For such systems fluctuations – changes of spin states of separate parts – are interconnected, but not by usual classical interactions (classical correlations), limited, for example, by the speed of light, but by non-local quantum correlations. In this case a change in one part of the system at the same point in time impacts the rest of its parts (even separated in space, at the limit and on infinitely large distances). This means that in this case on the unprotected mobile phone, a copy of the original state of the protected mobile phone was reproduced [8].

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



Fig.6

The device Vernada - Geo (Fig.6) neutralizes an influence of torsion fields radiation from Wi-Fi access points, routers, wireless networks, as well as geopathogenic zones in apartments, offices and other premises, thus protecting humans from harmful effect of torsion radiation.

The device has a plastic housing with built in inverter, and a network system indicator. By switching on the device takes place inversion of the left torsion field to the right one by the phase wire of the network. This leads to formation of the right torsion field, and as a feedback to such conditions there is a substantial decrease of the torsion field radiation level from Wi-Fi and geopathogenic zones in the area where above power phase wire is present. When Vernada-Geo switched in reverse way, left torsion field will be totally dissipated.

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 these data. However, the problem of harmful effect of this technology practically never has been discussed at the State level - constant debates about the cellular network communication, though a clear health threat from electromagnetic and torsion radiation of mobile terminals makes very few people

to give up such convenient communication means. In turn, in relation to the Wi-Fi promotion, wireless technology, the users believe in its total safety. However, it is not so. Vernada-Geo device eliminates the negative effect of Wi-Fi wherever the device is connected to the power grid, and for the power supply of the Vernada-Geo device and of Wi-Fi the same phase conductor of the power grid is used. As indicated above, when the device is connected to the grid, the left inversion field of the phase conductor from the grid is inverted into the right, which is equal to generation of a new torsion right field, and Wi-Fi feedback is in significant reducing of the torsion field intensity generated in the area where above phase conductor is placed as a power conductor.

Verification of the "Vernada - Geo" efficiency are in [8].

The new device "Vernada-Odo"

The principle of the device (Fig.7) 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. Vernada-Odo can also be used in the metro. "Vernada-Odo" can be attributed, apparently, to quantum-mechanical devices.



Fig.7

The issue of the quantum mechanics information interpretation 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 perform an information exchange. 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 information 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 above known information about the world. Thus, the particle solves the quantum-mechanical problem. When new information is received, the particle adjusts its strategy i.e. 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 mode (8).

In other words control is understood as an action where the control impact on the Physical Vacuum aimed at harmonization has an implicit, indirect information influence. The

information influence is provided by the device which has two zones where the right and left torsion fields are registered, and these areas are connected together. In this case, virtual particles get the command to be embedded or penetrate one into another. A Physical Vacuum consisting of virtual particles is oriented toward this information influence. Virtual electrons and positrons go into the mode of "phytons" when this virtual particles are put one into other, i.e. components of the Physical Vacuum are in a symmetric mode. In this case, there is no negative impact on the environment and people. It is understood that self-organization is carried out using the subconscious of the virtual particles themselves.

Many people can doubt about this approach, but to the sub-consciousness of virtual particles had already pointed out Nikola Tesla in his time .

The peculiarity of Vernada-Odo is the fact that it can also be used to neutralize the negative impact on people of base stations of mobile phones. To do this, you can use an ordinary photo of the base station. It is assumed that any mobile communication base station has its own torsion field, which is a property only of this base station, since all molecules and crystals have their own torsion fields with their spatial-frequency spectrum. It is known that there is an information link between the object and its photograph, because they are quantum-entangled objects, and the photograph itself is a receiver in the quantum teleportation of the base station states in the case under consideration. Let us consider the dynamic interrelation between a photograph and an object depicted on it, using the concept of quantum entanglement, i.e. by means of nonlocal quantum correlations.

Quantum correlations are provided by a flow of appropriately formed virtual photons, electrons and positrons, as well as real quanta in the optical range.

It is well known that the mobile communications base station has its own torsion field, which depends on the form of the base station. Its own torsion field is transmitted and stored as a conventional or digital photo, i.e. in analog or digital form. Both images contain information of the atoms spins of the base station. When printing a photo in black and white color, the own torsion field of the base station changes the orientation of the atom spins of the photo material in such a way that the spins of this material repeat the spatial structure of the base station own torsion field.

The own torsion field of the mobile base station interacts with the torsion field of the photo, which, under the influence of Vernada - Odo, it becomes neutral, i.e. harmonized. The base station of the mobile phone and the photo are in entangled state, and the harmonized state of the photo is transmitted to the own torsion field of the base station, as a result of which the own torsion field of the base station also becomes harmonized. Outcome of this interaction is that the base station continues to operate in a normal mode, i.e. provides a conventional mobile connection without a negative impact on the environment and people.

Other words, base station virtual electrons and positrons go into the mode of "phytons" when this virtual particles are put one in the other, i.e. the components of the base station own torsion field are in a symmetric mode.

Previously, we considered transfer of the protected state of a mobile phone with a Spinor protection device to the mobile phone without a protection one.

In this case a right torsion field of mobile phone with a Spinor protection device impacts the mobile phone without protection and a copy of the original state of the protected mobile phone reproduced.

Explanation of the operation of some devices in terms of torsion technology

The accumulators FOSTAC Maximus is known [17].

The accumulators of the FOSTAC Maximus® consist of a mat of silicon dioxide (glass fiber) wrapped around a copper core, which in addition is covered by a tube of boron silicon (glass) with a bromine alloy. For installation, the copper core of these accumulators will be connected in line into the electric circuit. In this way the accumulators generate a high-density left torsion field because real electrons of the copper core repel virtual electrons and, acting as a kind of attraction source, draw virtual electrons from the Physical Vacuum. Virtual electrons are turning to real electrons and are being fed into the electric circuit, thereby supplementing the flow of electric power. This transformation process can occur under the influence of various factors, including the influence of high-energy particles of solar radiation, cosmic rays, network voltage effects, from the potential difference between the ionosphere and earth and more. The result of this process is a higher efficiency of electricity and therefore less electric power will be drawn from the supply authority.

Charge metal by virtual electrons and positrons by A. Kinderevitch

The scheme to charge metal by virtual electrons and positrons was proposed by A. Kinderevitch (Fig. 8). Where on Fig.8: 1 – power supply, 2 – metal blank (MB2), 3 – Impedance, 4 – 5 key, 6 – meter.

The existing theory of the metals electron conductivity could explain many phenomena, taking into account existence of virtual particles in the Physical Vacuum (Fig. 1, 2, 3).

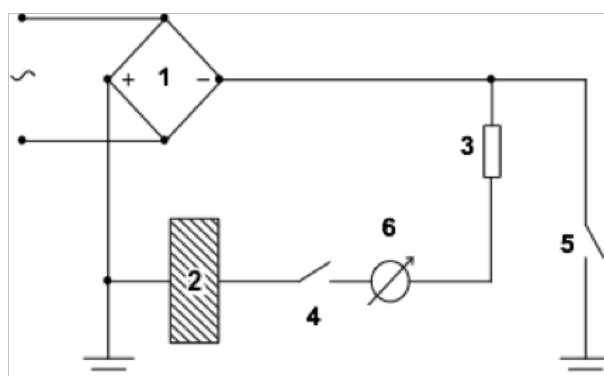


Fig.8

The scheme for MB2 charging is quite simple. Simplicity is a necessary condition to prove existence of the virtual electrons and positrons and their physical properties of such new virtual charge carriers. For this reason, the description of the process is of special importance since its amazing simplicity could convince any opponent.

Within such a scheme, charging of a MB2 by virtual electrons and positrons takes place. It is obvious that real electrons participate in a charging process of the mentioned MB2 by virtual particles (Fig. 8). The charge of the MB2 takes place with the closed keys 4 and 5. It should be noted that such interconnection does not lead to a short circuit although the positive and negative terminals of the source 1 are grounded at some distance from each other. Normally

power flow in the wires is considered as an electrons flow, and in the case of semiconductors – holes as well.

In fact, there is the same counter flow of two charges. The real electrons move from the minus clamp of the power supply unit through the resistance R and the closed key 5 to the metal disc, pushing the virtual electrons to the left side of the MB2. On the right - hand side of the MB2, there are virtual positrons that are repelled by positive charges of the positive terminal of the power supply 1 and the virtual electrons themselves on the left side of the MB2. Obviously, it is necessary to study further the processes of MB2 charging by virtual particles, since in this case the information parameters of the surrounding space changed, and the non-electromagnetic electric process itself has a double character dictating position of virtual carriers inside MB2 and transfer of virtual electrons and positrons from the surrounding space to the MB2 and a conductor with a current.

It is clear, that in the process of MB2 charging by virtual particles, there are two opposed direction electric currents - the real electron current and the current of virtual positrons. The problem to separate oppositely directed electric flows is a complex technical problem. In this paper, this issue is not considered in details because of its complexity. In the authors' opinion, at this stage of research it is more important to demonstrate a possibility to charge metal with virtual particles and to encourage the other researchers to verification of the possibility to charge a metal with virtual.

During the charging process the meter 6 reads a certain current (note in amps), and the arrow of the meter shifts to the right from the zero reading mark. It should be mentioned that in this case, when the charging circuit was disconnected from the power supply unit, the virtual particles were "frozen" at opposite ends of the MB2. In the first case, the virtual particles from the opposite sides of the glass gathered by a simple application of the left and right torsion fields. The charge of the MB2 according to Fig.8 is made by real electrons and positrons, which allows us to accumulate a significant amount of virtual electrons and positrons.

Not a process has previously been known which could provide charging of the metals by virtual particles. The discharge scheme is presented on [8].

Materialization of real electrons from Physical Vacuum

The diagram shows the simplest electrical process, charging a battery with another battery (Fig.9). Moreover, the left battery is discharged, and the right one is fully charged. This circuit ensures the discharge of the right battery through the resistor $R1$ to the left. The remarkableness of the scheme lies in the fact that with a normal electrodynamic process, the total voltage, by virtue of the law of conservation of energy, does not change. Resistor $R1$ only determines the speed of the recharge process.

The change in the activity of charge carriers located on the positive poles of these current sources, under an external torsion field effect, allows us to obtain a constant increase in the total voltage at the sources in question. The impact area of the left torsion field is indicated by a pink arrow in the figure. Attention is drawn to the non-standard connection of the diodes $D1$ and $D2$, corresponding to the "positive current" of self-recharging. The result of the left torsion field impacting is that virtual electrons are collected in the maximum possible way, and these virtual electrons then transform into real electrons. This process is contrary to the law of conservation of energy and allows you to achieve the simultaneous full charging of the used batteries.

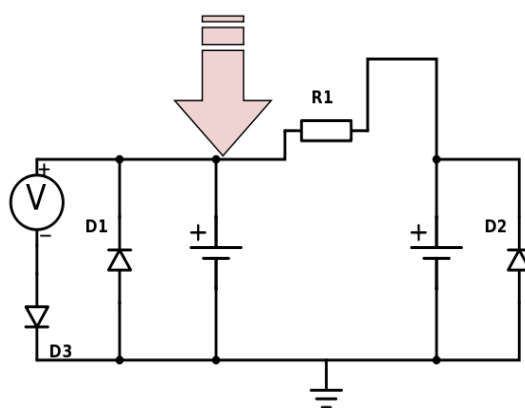


Fig.9

It is obvious that in the process of charging the left battery, there are two oppositely directed electric currents - the real electron current and the current of virtual particles.

Materialization of real electrons from Physical Vacuum in tlctron lamp

Experiments with simple radio tubes show that the glowing filament is the source of a certain current carrier capable of maintaining the current in one direction — from the filament to the anode. This is the case even if the lamp has the highest vacuum, the ideal insulator separating the filament and the anode. Since the current is the movement of charges, some current carriers must appear

in the lamp. With a cold thread, there is no current: the effect of current passing is observed only when the thread is red-hot. Thus, we come to the assumption that current carriers are emitted by a filament.

However, the explanation for this effect was incorrect. It is necessary to take into account that there is a technical vacuum inside the electron bulb, which is provided with a glass flask. Physical Vacuum is also present inside the lamp, such as virtual electrons and positrons have greater penetrating power.

In this case, the materialization of real electrons from the Physical Vacuum is carried out under the action of a high temperature of the cathode, light radiation and other external factors. In this case, materialization processes occur, similar to those described in the case of charging an uncharged battery using the influence of torsion fields, charging a metal disk with virtual electrons, and more. Anyway, it is necessary to revise many of the modern foundations of physics and chemistry, their understanding significantly affects many philosophical concepts. And it all comes to the fact that the existing system of views will have to be changed. But for this, philosophers, physicists and chemists will need a certain courage to recognize the fact of centenary and stable delusions.

Quantum vacuum plasma engine really works

The EmDrive engine was invented by the British Chris Schoer and does not need fuel, because it uses energy, in his opinion, microwaves [15].

The engine created by the Shoer is very light and simple in its design. According to Schoer, he creates the necessary traction "by oscillating microwaves around the vacuum container." At the same time, electricity, which is necessary to create microwaves, can be extracted from sunlight. In other words, this engine does not require the use of fuel and can actually run forever or at least until a mechanical breakdown occurs.

The test tests showed that the unique design of the microwave engine really allows creating a force that can not be described from the classical point of view of the electromagnetic phenomenon, and yet the installation assumes interaction with the quantum vacuum of a virtual plasma.

Previously, we considered the structure of a virtual plasma, in the excitations of which [15] is an axial symmetry of right and left rotation. A similar axial symmetry exists also in the polarization of the Physical Vacuum in accordance with Akimov's phyton model [5].

Harold White, the head of an advanced research team in the field of propulsion systems at the Johnson Space Center, suggested that the EmDrive thrust is generated by virtual particles in a quantum vacuum that behave like fuel ions in magnetohydrodynamic propulsion systems extracting "fuel" from the space - time and eliminating the need for fuel.

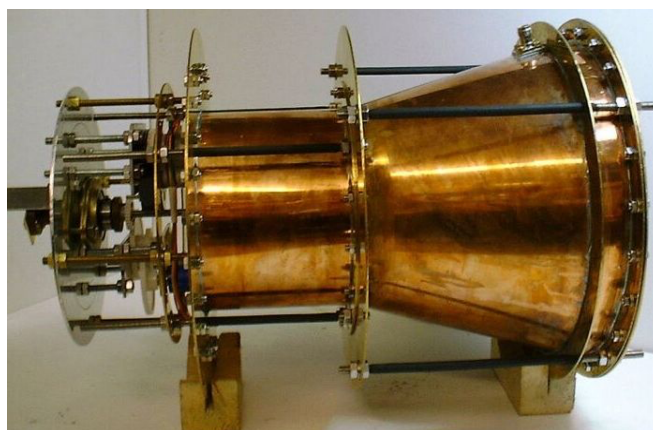


Fig.10

In informal circles, a stormy discussion of EmDrive and similar suggestions for propulsion space installations like Cannae Drive broke out.

We also want to participate in the discussion, since we have been studying the world of virtual particles for a long time and all devices of the company "Spinor International" are based on the principles of interaction of such particle [19].

It is known that the photo is in an intricate state with the original. Using the method of biolocation or using instruments like VEGA-12M [15,19], you can determine the location of virtual particles generated by the geometric features of the engine in question. The paradoxical specificity of this engine is that it lacks the right torsion field, which should be under normal conditions at the apex of the truncated cone, and virtual electrons emanate from the socket - from the bottom of the truncated cone. Virtual positrons attracted by the right field of several disks, which are generators of the right field and are located behind the top of a truncated cone. The Physical Vacuum, which fills all space and manifested objects, contains a large number of virtual electrons and positrons, in an excited state these virtual particles can be represented as a virtual plasma. Virtual electrons are located inside the engine cone and the most truncated cone of the engine, and their concentration increases as it approaches the bottom of the truncated cone. The virtual electrons of the motor cone and the virtual electrons existing in the volume are attracted by the virtual electrons of the Physical Vacuum, due to which the motion occurs. When moving, virtual positrons that are in space in the direction of motion are repelled by the virtual electrons of the engine, and the motion continues. A process similar to the processes in the Casimir effect occurs here. Let us consider in more detail the Casimir effect, which, perhaps, will help shed light on the principle of Shoer's engine. Perhaps in the near

future, one of the theoreticians will propose a simpler and more acceptable explanation for all. In the future, a more rigorous explanation will be obtained of the principles of Shoer's engine operation, and the necessary key to such an explanation is associated with an understanding of the physical geometry of the Physical Vacuum and the specific nature of the laws of force interaction of virtual microworld particles.

Here it is necessary to quote the words of M. Gell-Mann: "Quantum mechanics is a discipline of complete mystery and paradoxes, which we do not understand, but we can use." Quantum entanglement is a fundamental phenomenon that reveals deep connections between quantum mechanics and phonon–photon entanglement and has practical applications as a key resource in quantum information processing³. It remains challenging albeit promising for both fundamental physics and technological applications.

Link Between Bras and Breast Cancer really exists

There has been a lot of debate on bras over the years. Some argue that bras help support women's breast and protect sensitive breast tissue. While others argue that bras increase women's risk of developing cysts and breast cancer. Which leaves many women wondering, are bras unhealthy? According to the book *Dressed to Kill: The Link Between Bras and Breast Cancer*, women who wear bras more than 12 hours a day have a 1 out of 7 risk of developing breast cancer. While women who wear bras less than 12 hours a day have a 1 out of 52 risk, and women who never wear bras have a 1 out of 162 risk.

It is known that in addition to the torsion fields [8] accompanying any electromagnetic radiation, the torsion fields of the forms also exist. The bra is a hemisphere, inside there is a molded left torsion field, which is the cause of breast cancer. It is possible to eliminate the negative effect of bras on women using devices such as Spinor or by recording the right torsion field on the bra.

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