

# **Origin of cosmic and technogenic radiations and the protection against them of health on Earth and in Space**

Korniienko V., Turkin M. Academy of Diagnostics LLC, Odessa, Ukraine, [v.gkorn@ukr.net](mailto:v.gkorn@ukr.net)

Vikulin I., "Popov Odessa national academy of telecommunications"

It is shown that the geopathic radiations (GR) are space radiations. At the same time the origin of GR is not proved, but it is known that their influence causes diseases. At the same time we found out that at deformation of any matter it generates S-radiations which have the same properties as GR. The origin of S-radiations is caused by the fact that matter consists of elementary particles which interaction of energy forms in it the quantum electromagnetic field (QEF). Therefore deformation of matter causes indignation of its QEF in the form of S-radiations which consist of waves of quantum electromagnetic energy. This device of matter is inherent in all bodies of the Universe. Therefore influence of various forces cause deformation of matter of these bodies and indignation of its QEF in the form of space S-radiations which filled Space. For the same reason QEF of matter of Earth also generates S-radiations, which are known as GR that discloses their origin. It is shown also that availability in matter of QEF causes property of electric generators together with electric current to develop quantum currents. The equipment will transform them to technogenic S-radiations, which influence, as well as GR, causes diseases. Therefore to lower number of diseases, it is necessary to limit, on the basis of standards, the level of S-radiations in the world equipment, in buildings and spaceships.

## **1. Introduction**

In article it is shown that GR go waves from under Earth and from Space therefore they are space radiations. At the same time it is known that GR pass through any matter including water, and their influence causes disease.<sup>1</sup> However the origin of GR scientifically is not proved therefore the science does not take them into account because of what most of people dies long before a biological limit. Same, or even the worst fate, expects also astronauts in distant flights if not to provide their protection against space radiations. But the science has no idea of origin of space radiations and their properties.<sup>2</sup> Therefore fondly believe in NASA that tanks with water and a warehouse of food are capable to protect astronauts from these radiations.<sup>3</sup>

At the same time, we for the first time found out that at elastic deformation of any matter, it a subsoil leaves S-radiations unknown to science.<sup>4.5</sup> They, as well as GR, submit to laws of electrodynamics and have identical physical properties, but well-known electrotechnical devices do not react to them.

The reason for which different types of matter at deformation generates S-radiations follows from idea of fundamental physics that matter consists of elementary particles.<sup>6</sup> Energy of these particles, in compliance with electrodynamics, forms in matter the general QEF.<sup>7</sup> Therefore deformation of matter causes indignation its QEF in a wave mode of quantum electromagnetic energy which are S-radiations.

This idea of the structure of matter to some extent supplements Standard model which describes only electromagnetic interactions between 61 of 400 known elementary particles, but does not provide education in matter a cap.<sup>8</sup>

Availability in any QEF matter suggests that matter of all bodies of the Universe also has QEF. Therefore impact of forces of space gravitation and other forces on these bodies, causes elastic deformation of their matter and indignation its QEF in the form of space S-radiations which filled all Universe. For the same reason QEF of Earth also generates S-radiations which are GR that discloses their origin.

This device of matter causes also that centrifugal forces which arise at rotation of a rotor of the electrical machine, cause deformation of its matter and indignation of QEF of its matter of a rotor in the form of S-radiations. They cross windings of the stator and induce in them quantum currents. For this reason generators of power plants develop electric current, and with it and quantum currents. The equipment of the consumer will transform the last to technogenic S-radiations, which influence, as well as GR, causes diseases.

The given experiments also demonstrate that availability in an electrical network of quantum currents causes what magnets have not only well-known magnetic field, but also quantum magnetic field. Therefore use in medicine of magnets which generate S-radiations is fraught with developing of new diseases.

Results of these researches indicate that it is expedient to open the new direction in applied physics. It will allow on the basis of standards and properties of S-radiations to limit the level of space and technogenic S-radiations in buildings and the equipment, including space that will cause decrease in number of diseases.

## **2. Results of researches**

### **2.1 Methods**

Are based on use of the GRV device a compact (GDV Scientific Laboratory) which is issued in Russia and it is certified in the USA, Japan, the EU and other countries.<sup>9</sup> By means of this device we evaluated influence of S-radiations, on the area of electric discharge in its gas-discharge

camera, in pixels. However, it is easy to convert them into decibels. Because this device of discrete action, in researches also touch feelings were involved in palms of experts. The last allowed to accelerate considerably researches and to disclose many properties of S-radiations including the fact that they go beyond matter through its sharp edges. We used this property of S-radiations in a design of the device which description is given below with which added the GRV device a compact that allowed to receive results of researches in real time.

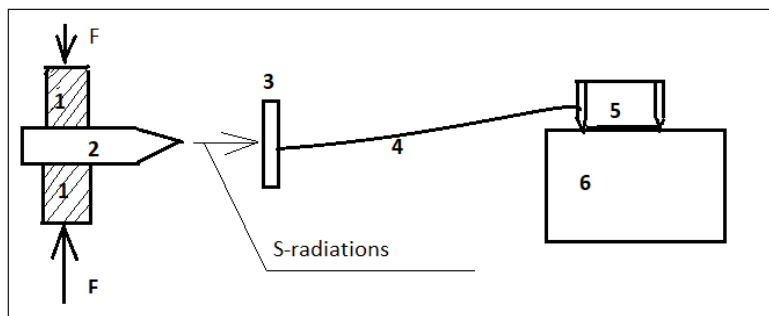


Fig. 1 Flowchart of experimental installation

In fig. 1 a vice 1, in which squeezed with F force (10 N x 1), a wooden line (650x20x6 mm) and also a metal line (180x20x5 mm), 2 which on one of the ends had a point are shown. As a result of compression of lines, their edge leaves a stream of S-radiations. The device mentioned above was used to its assessment. It consisted of sensor 3, which was installed in a stream of S-radiations, at distance of 80 mm from a point of lines. At the same time sensor 3 is made in the form of a plate of beryllium bronze (20 x 20 x 1 mm) which was connected a screened electric wire 4 to a copper ring 5 (50 x 10 mm), which one end face had a point. This ring we established over the gas-discharge camera of the GRV device a compact 6.

Measurements were performed in the automatic mode, without presence of people. At the same time parameters of electric discharge in the camera of the device were fixed by the video camera. Quantity of impulses in a series established from 30 to 40. Time between impulses – 3 sec. In the presence of sharp deviations in total of selection, 1-2 results were excluded from calculations.

We used the same sensor for measurement of the GR level. For this purpose it was established in horizontal position on focus of a beam of GR, i.e. in its central part where the intensity of radiations is maximum. Duration of measurements – 24 hours. An interval between impulses - 2 minutes.

For assessment of S-radiations, which generate antennas of cellular communication as the intake the tube from organic glass 150 mm long which diameter was 40 mm with an axial opening with a diameter of 10 mm was used. At the end of a tube the tiny microphone which conclusions were

connected to the loudspeaker through the magnetic amplifier is installed. For cutting off of electromagnetic waves of cellular communication, the loudspeaker was connected, through a magnetic outcome, by a single-core wire to the ring 5 described above which was established over the camera of the GRV device a compact 6. This tube was established on a support at distance of 30 meters from the antenna of cellular communication and was aimed at it. Measurements of level of S-radiations, which proceeded from antennas of cellular communication were carried out by means of the device the GRV-compact in two modes. The first - a usual operating mode of the antenna. The second – after connection of converter of S-radiations to terminals of a food 380V of the workstation of cellular communication, which will transform and transmits signals to antennas of cellular communication. The neutralized device was developed by us on the basis of properties of S-radiations which efficiency was earlier repeatedly checked.

Mathematical processing of results of measurements I performed the computer according to the multiple-factor program with use of methods of mathematical statistics and probability theory with a margin error to 95% which were issued by result in the form of charts.

## **2.2 The experiments confirming existence of S-radiations and QEF in matter**

For the first time we found existence of S-radiations by means of touch feelings. At the same time established that at a bend of a wooden, metal or plastic line, in the direction of a deflection arrow they generate identical on, to estimates of experts, radiations. Instrument readings the GRV-compact confirmed availability of these radiations.

Therefore, in any matter there is a structure, which at deformation generates these radiations therefore called their S-radiations.

For purity of experiments, which will not leave doubts that deformation of matter is the reason that it generates S-radiations we did not bend a line, and squeezed them in a laboratory vice. At the same time used property of S-radiations to leave matter at its deformation through a point to it.

In fig. 2 and 3 charts which in the automatic mode were issued by the computer by results of measurements with use of a technique which is given above are shown. Follows from them that S-radiations which are generated by matter as a result of its deformation influence the area of electric discharge in the device.

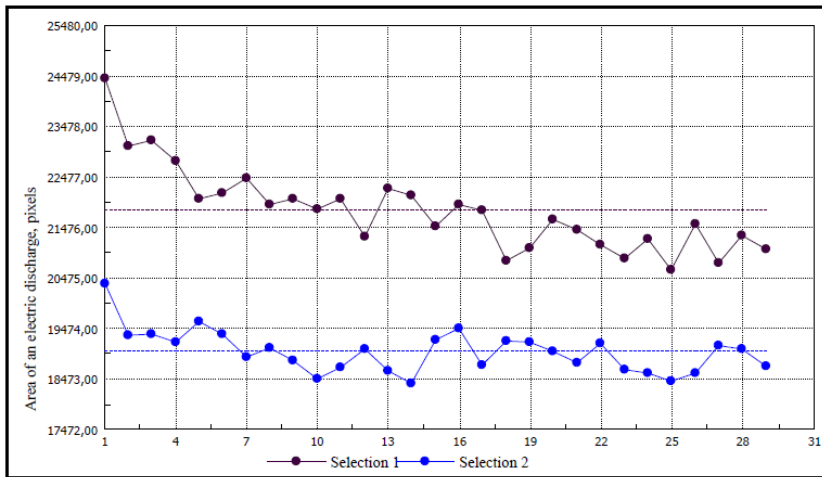


Fig. 2 Charts of influence of S-radiations, which proceed from the pointed end in a steel line at its compression in a vice, on the area of electric discharge in the device

Where: selection 1 – a line is not compressed in a vice;

2 – the line is compressed in a vice with effort of 10 N x m

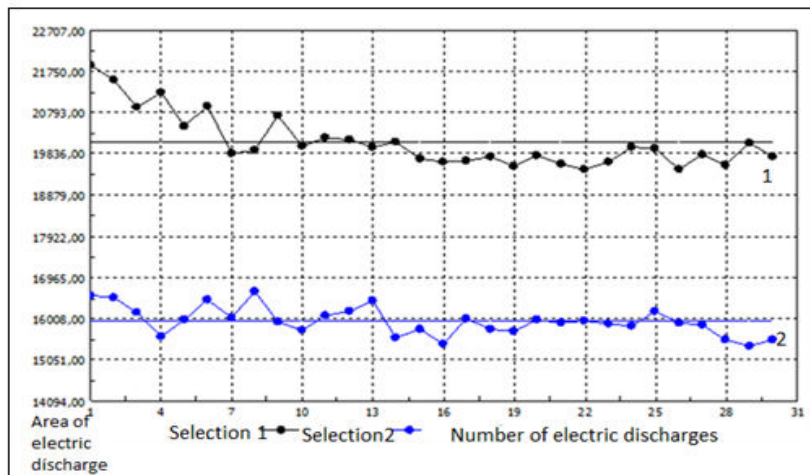


Fig. 3 Charts of influence of S-radiations, which proceed from a point in a wooden line, at its compression in a vice, on the area of electric discharge in the device.

Where: selection 1 – a line is not compressed in a vice;

2 - the line is compressed in a vice with effort of 10 N x m

Follows from these charts that at deformation of different types of matter, it generates S-radiations. Their origin, is based on fundamental idea of modern physics that matter consists of streams of the loaded elementary particles. Their interaction, according to laws of electrodynamics, forms in QEF matter. Therefore deformation of matter causes indignation its QEF in the form of S-radiations which are waves of quantum electromagnetic energy. At the

same time an exit of energy from QEF, according to the theorem of Poynting's, does not break the law of energy conservation in relation to the general electromagnetic I weed.<sup>10</sup>

These, and other similar experiments which we made with different matters, demonstrate that availability of QEF is inherent in any matter. Therefore it is applicable to matter of any objects, including space bodies that causes the phenomena which origin is unknown to science. Including origin of GR.

### **2.3 Origin of space s-radiations and GR**

As shown above, any matter, including that of which all bodies of the Universe consist QEF possess. Therefore deformation of their matter which is caused by impact of forces of space gravitation and other forces on these bodies causes indignation their QEF in the form of space S-radiations. For them any matter is not a barrier therefore all Universe is filled with waves of quantum electromagnetic energy.

The earth also generates S-radiations, which as we established, have the same properties as GR, which everywhere leave from under the land surface in the form of direct strips. Their crossings forms dense network which energy through all overlappings of buildings leaves vertically up. In places of crossings of strips of GR, geopathic zones, negative impact of energy than which is one health stronger, than from GR are formed. Scientists made repeated attempts to establish origin of GR by measurements of frequency of their energy and the analysis of particles of which they consist, but it did not lead to anything.<sup>1</sup>

The main tool, which was used by researchers for determination of the location of GR when studying their influence on health was the biolocational frame, which is not recognized as the physical device. We used, according to methods, the device the GRV-compact and as supportive application - feelings in palms of experts.

It allowed to receive for the first time the chart of change of level of energy of GR within 24 hours which is submitted in fig. 4.

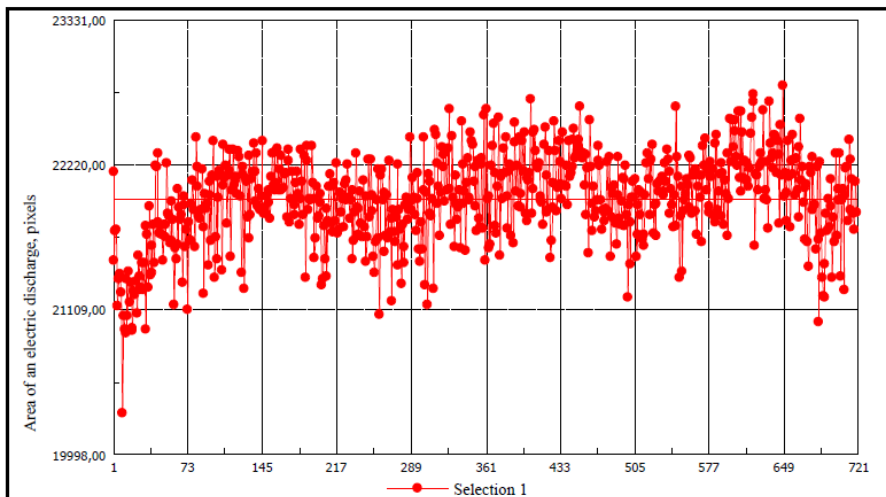


Fig. 4 Chart of Influence of Energy of GR on the area of electric discharges in the device for 24 hours with an interval of 2 minutes.

Follows from this chart that GR extend in a wave mode of quantum electromagnetic energy which go from under Earth and from Space. Therefore, GR are a kind of space S-radiations that causes their origin.

The diagram in Fig. 4 also shows that the GR varies in sinusoid, the non-uniformity of which causes the addition of gravity forces, mainly from the Sun and the Moon, which rotates around the Earth in a complex orbit. These forces cause deformation of the Earth 's matter and perturbation of its QEF in the form of C-radiation, i.e. GR.

By sinusoid the polarity of GR also changes, to which the GEF of the body of many people react by the fact that they wake up at night and cannot sleep for a long time. What caused the sick problem in medicine.

We also had a sleep problem. But we solved it by installing Archimedes 's flat spiral on the floor, in the center of the GR beam, before bed. She deflects that ray aside and the person normally falls asleep. We have successfully used this method to protect against GR for many years. However, when the polarity of the GR wave changes its sign to the opposite, the spiral stops deflecting the GR beam, causing the person to wake up. Therefore, it is necessary to change the orientation of spirals 1-2 times per night, after which sleep comes instantly. We use a single-turn spiral made of any single-core electric wire about a meter long, which we set together the focus of the GR beam. The location of the GR, after a short training, is easy to determine with the help of the opened palm.

At the same time, over the last 10 years we have had to increase the number of spirals of Archimedes, because new, powerful rays of GR arise. In addition, the power of the longitudinal component of the GR wave has increased. Therefore, now, in order to determine the location of

the GR, it is necessary to position the palm vertically with respect to the horizon, rather than horizontally, as before.

#### **2.4 Origin of technogenic S-radiations and their manifestation in the equipment**

As it is shown above, at deformation in a vice of a steel line which has a point at an end face, it leaves a stream of S-radiations. Therefore, on the way of this stream, at distance of 200 mm from this point, we established the short-circuited ring with a diameter of 150 mm executed from a copper wire with a section of 1.5 mm<sup>2</sup>. Therefore in a ring the elastic quantum electromagnetic field, which was shown by the S-radiations was formed. Through this field the stream of S-radiations from an edge of a line did not pass. Therefore, in full accordance with electrodynamics, the stream of S-radiations directs quantum currents, which form the quantum electromagnetic field in the closed contour. It demonstrates that S-radiations submit to the law of electromagnetic induction of Faraday on which the principle of operation of all electrical machines as a part of which there is a stator and a rotor is based. From where a conclusion that any electrical machine is the generator of quantum currents follows, and remove also S-radiations.

At the same time, the electric generator consists their rotor and the stator. At rotation of a rotor, in it there are centrifugal forces, which cause deformation of its matter. It causes indignation of QEF of matter of a rotor in the form of S-radiations which cross windings of the stator and induce in them quantum currents. For this reason generators of power plants develop electric current as a part of which there are also quantum currents. They come to the equipment where will be transformed to S-radiations and leave to the environment.

Therefore any equipment in which the electric power is used generates technogenic S-radiations. However, in view of lack of devices for measurements of quantum currents, this property of electrical machines and the equipment is unknown to science. But S-radiations are estimated by the device on their influence on the area of electric discharge.

Unlike the electromagnetic field, S-radiation many people feel what allowed to disclose their many properties by means of touch feelings. On their basis we developed devices for neutralization of S-radiations in the equipment which with success applied in the experiments given below.

#### **2.5 Influence of S-radiations in the refrigerator on tastes of products**



We used this device for neutralization of S-radiations to carrying out comparative tests of tastes of the products which are stored in household refrigerators. Tests were carried out at the plant of North refrigerators in Donetsk and also in the Odessa academy of the food industry. Acts of the numerous tasting commissions, each of which consisted of 10 qualified specialists, demonstrate that neutralization of S-radiations in the refrigerator improves taste of the products which are stored in it almost for 300%.<sup>11</sup>

Results of this experiment allowed to draw a conclusion that the power unit of the household refrigerator will transform network quantum currents to technogenic S-radiations. They pass through its body and packing of products and saturate the products which are stored in it that worsens their taste and, as shown below, to be the cause of diseases.

But touch researches showed what generates S-radiations in the refrigerator also permanent magnets which are used in it for a door clip to the body.

## **2.6 S-radiations of a permanent magnet**

The origin of S-radiations in these magnets causes that at their magnetization electric current at which there are quantum currents is used. Therefore, we, at the plant of refrigerators of Joint-stock company "Nord" connected our converter of S-radiations to the machine which magnetizes a magnetic strip. It allowed to make a permanent magnet at which there was only a permanent magnetic field.

This magnetic strip was built in in rubber sealant of a door of the experimental refrigerator. Then filled with identical products two refrigerators, one of which was with an experimental strip. The next morning carried out comparative tests of taste of products, which were stored in these refrigerators which we did not connect to an electrical network.

Acts of comparative organoleptic tests demonstrate that products, which were on a refrigerator door with an experimental magnetic strip were not saturated with S-radiations therefore their taste was much better, than at products from the refrigerator with a standard magnetic strip.<sup>12</sup>

This experiment demonstrates that quantum currents form of an electrical network in the S-radiation inductor. Therefore in the course of magnetization there are 2 fields – the well-known electromagnetic and quantum field. Respectively, the magnet has also 2 fields, one of which constantly generates S-radiations. They saturate products therefore their taste worsens, and their consumption is capable, as shown below, to be the cause of diseases.

At the same time magnets found wide circulation in the industry and medicine. The last causes what the S-radiation of permanent magnets is the cause at people of new diseases.

## 2.7 S-radiations of antennas of cellular communication

The experiments given above demonstrate that availability in an electrical network of quantum currents causes that the equipment will transform them to S-radiations, which throws out to the environment. At the same time the greatest contribution to environmental pollution is made by antennas of cellular communication

It is confirmed by charts, in fig. 5. We received them as a result of an experiment on neutralization of S-radiations in the workstation of cellular communication which we are established on an upper floor of the building of the Promsvyaz plant in Odessa, Ukraine. When carrying out this experiment we connected to network of a food 220/380 these stations the device manufactured by us which neutralizes S-radiations.

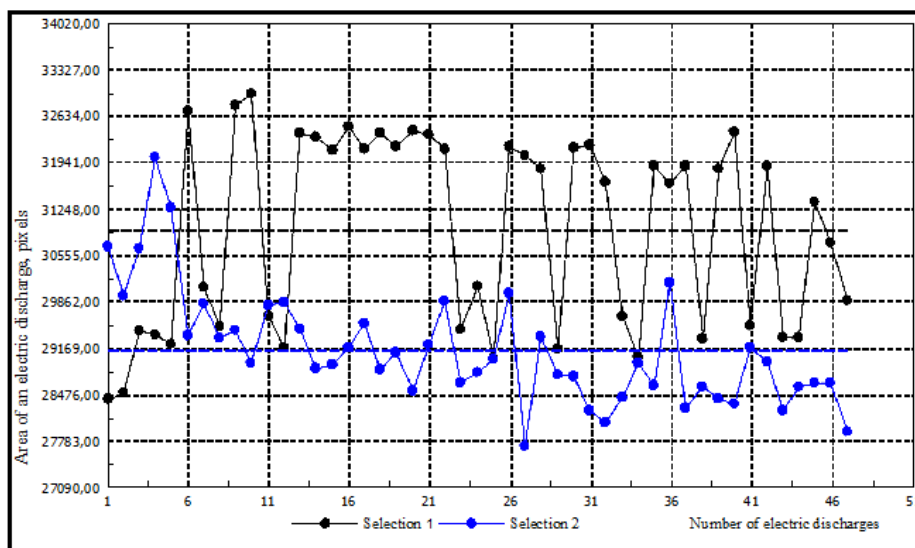


Fig. 5 Charts of change of level of S-radiations of antennas of cellular communication as a result of connection of converter of S-radiations to network 220/380B to terminals of the workstation of cellular communication

Where: selection 1 - converter of S-radiations is connected to an electrical network of a food of the station; selection 2 – converter is not connected to network of the station of cellular communication.

These charts demonstrate that antennas of cellular communication generate powerful streams of S-radiations to the environment (selection 2). However, at connection of converter of S-radiations to the station of mobile communication, influence of S-radiations which generates its antennas on the area of the gas category in the device, decreased (selection 1). Therefore, the device neutralized the most part of S-radiations which generated antennas of this station.

The dispersion of results of measurements on the chart is caused by the fact that especially for this experiment we did not develop converter of S-radiations, and applied that which was used

for neutralization of S-radiations in the survey radar of the Odessa airport earlier. Nevertheless, these charts demonstrate that antennas of cellular communication generate high-frequency S-radiations to the environment, the mechanism of negative impact on health is shown below.

## **2.8 Mechanism of influence of space and technogenic s-radiations on health**

Numerous researchers established long ago that long influence of GR causes developing of various diseases, however the mechanism of their emergence is unknown. As shown above, GR are space S-radiations. The physics of their emergence differs in nothing from technogenic S-radiations because all of them are generated by deformation and indignation of QEF of matter. Also capability of GR is known to cause diseases. At the same time the origins of diseases under the influence of GR and technogenic S-radiations it is caused by the fact that matter of a human body consists, as well as any matter from elementary particles and possesses QEF. At the same time, all S-radiations come from QEF of any matter that causes their capability to influence the human body QEF parameters. Therefore there are organic changes in matter of its organism and, the investigation, there are diseases.

We were convinced of it on initial stage of our researches when developed S-radiations of different function, and their actions were influenced. At one of experiments one of authors of this article placed a palm in a stream of S-radiations for 30 seconds therefore the state of his health instantly worsened. And, to such an extent, that the next day it issued the will on inheritance at the notary. However, approximately in a month, health was restored.

Therefore further tests on ourselves these, hardly notable S-radiations, we stopped. At the same time established that on small animals of S-radiation do not make any impact. The property of this energy to flow down on fibers and also to leave their organism to the earth through pads is the reason for that. Therefore numerous attempts of scientists to establish negative impact of cellular communication on animals did not yield any result.

## **2.9 Protection of astronauts against space and technogenic S-radiations**

Results of our researches of properties of S-radiations allowed to establish the reason of headaches which pursue astronauts of the International Space Station. This reason is caused by what the equipment of the ISS develops technogenic S-radiations which influence causes headaches. Besides, tanks with water and material screens are not a barrier to space S-radiations. Therefore astronauts are subject also space S-radiations which generate all celestial bodies including the Sun during the periods of activity of the Sun. These S-radiations saturate a human

body that as we established long ago, causes headaches and is fraught with developing of various diseases.

The absence at scientific knowledge of origin of S-radiations and their properties causes that astronauts are almost not protected from technogenic and space S-radiations. In this regard flights to the Moon and Mars are capable to cause in astronauts a serious illness and even a lethal outcome. Therefore in the ships it is necessary to neutralize technogenic S-radiations and to equip them with field protection which reflects space S-radiations. These tasks are quite feasible because we is given developed converters of S-radiations, which results of tests are shown above.

We have also developed devices that create S-radiation field of a given shape from quantum currents. We tested it in the summer of 2001, when the Sun was extremely active. At the same time, it generated so powerful solar S-radiation that 20 minutes of tan on the Black Sea coast in Odessa on the beach, was fraught with severe skin burns. But under the cover of the C-radiation field that generated our device, we sunbathed on the beach for several hours a day.<sup>5</sup>

Consequently, our field protected man from solar C-radiation much better than Earth 's magnetic field. The mass of this device, together with a battery of quantum currents, did not exceed 300 grams, and its charge was sufficient to create a field for 20 days. At the same time this field protected from solar C-radiation the territory, the diameter of which exceeded 50 meters. It follows from this experiment that quantum electromagnetic energy has significant differences from commonly known electromagnetic energy. Therefore, methods based on electrodynamics cannot be used to calculate the source of quantum energies.

### **3. Conclusion**

It is shown that availability in QEF matter corresponds to laws of fundamental physics and is general property of matter. Therefore deformation to which all bodies of the Universe are subject causes that their matter generates space S-radiations which filled all Space. The earth also generates them that discloses origin of GR. In article it is also shown that electric generators together with electric current develop quantum currents. The equipment will transform them to technogenic S-radiations, which have negative effect on health. Also the mechanism of their influence on developing of diseases is opened.

Therefore, for the purpose of decrease number of diseases it is necessary to limit, on the basis of standards, the level of space and technogenic S-radiations in buildings and the equipment and also in magnets which are applied in medicine.

## The competing interests

Authors declare lack of the competing interests.

## Acknowledgments

In article a part of results of our long-term researches, which were carried out as a personal initiative, a part of which was financed by the Donetsk plant on production of «Atlant» refrigerators, is stated.

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**Fig. to article Korniienko V., Turkin M. Vikulin I.: Origin of cosmic and technogenic radiations and the protection against them of health on Earth and in Space**

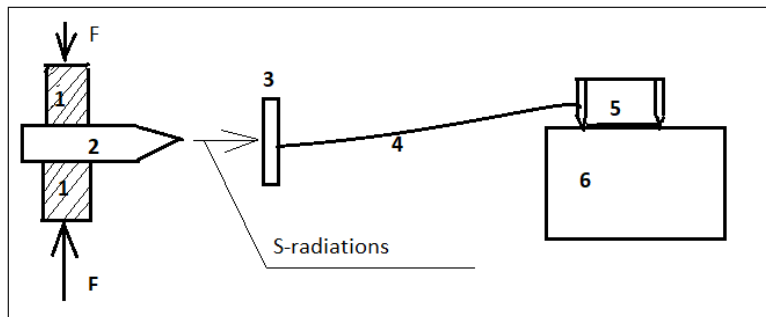


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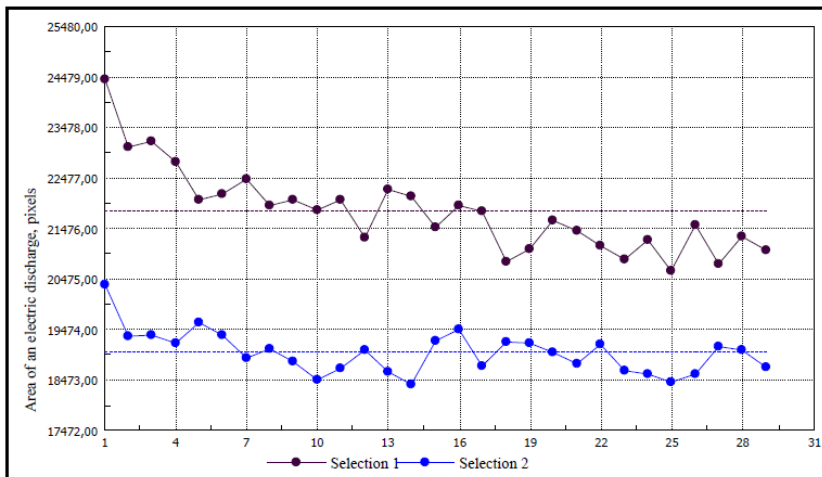


Fig. 2 Charts of influence of S-radiations, which proceed from the pointed end in a steel line at its compression in a vice, on the area of electric discharge in the device  
Where: selection 1 – a line is not compressed in a vice;  
2 – the line is compressed in a vice with effort of 10 N x m

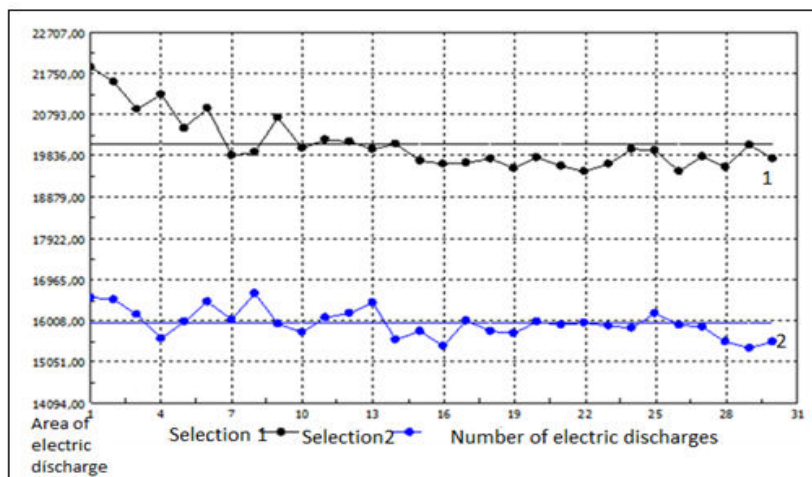


Fig. 3 Charts of influence of S-radiations, which proceed from a point in a wooden line, at its compression in a vice, on the area of electric discharge in the device.  
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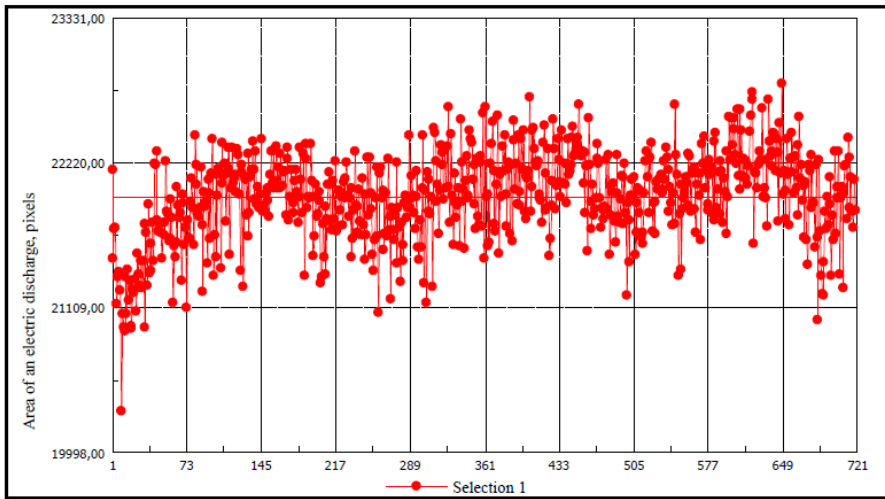


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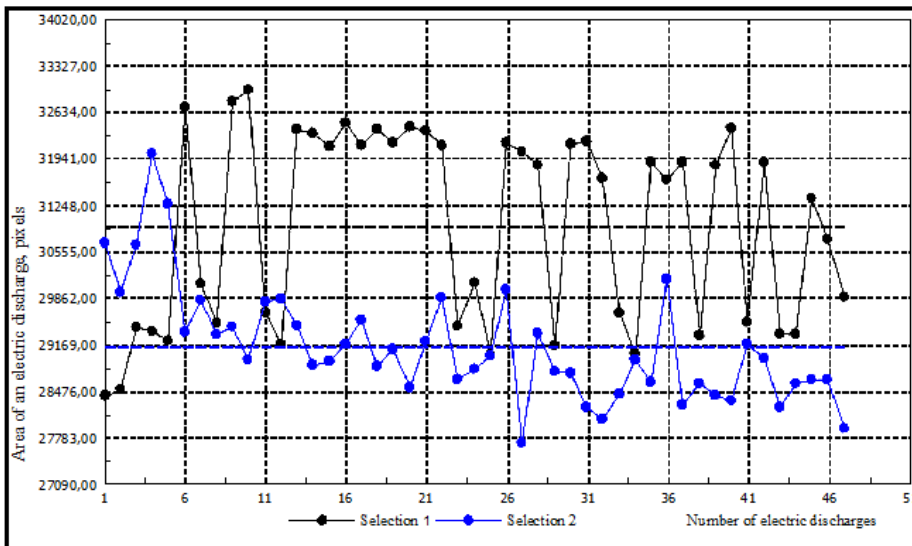


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