

Measuring Energy of Space

It is well known that people feel differently depending on environmental situation. In some places you sleep as a baby and wake up full of energy; in other places you have wonderful dreams and travel in beautiful places while you sleep. But already since thousands of years, the existence of specific locations where people do not sleep well, get sick more easily, or where performance is lower has been empirically known. What is the difference between all these places? Very little is known in Western science. It is clear that the phenomenon is composed by combinations of different causes. This is a combination of the influence from the Earth – underground anomalies, hollows, water streams; gases in the atmosphere, both natural and industrial; electromagnetic background; and the influence from the Universe, Sun, Moon and Cosmic rays. At the moment it is practically impossible to distinguish between all these factors, so we need a common denominator to evaluate the overall situation in the particular place. Only rudimental evidence is available today, if such zones could be measured using accepted physical apparatus.

For many years I had an idea to create such an instrument. We tested different approaches: electrical fields, magnetic fields; sensors of different origin: liquid crystals, optical elements, laser installations, pendulums. Many instruments were sensitive only to the particular fields, many were too much sensitive, responding to God knows what. The aim was clear: sensor had to response to sunrise and sunset, to significant geophysical situations, and – to human emotions. Finally, after several years of trials and disappointments, we have developed an instrument which gives us new visions and new insights. Many years of research confirmed the idea that it allows to evaluate the Energy situation in the environment. Expeditions to different parts of the world: Peru, Colombia, India, Myanmar, Siberia, and many others demonstrated

sensitivity of the instrument for evaluating environment. Scientific background has been developed and published in peer-review journals, patents have been granted in several countries, and now this instrument has become available for public use.

The main idea of the instrument is evaluation of the Five Elements in Nature. The Five Element principle is one of the bases of traditional Chinese medicine, as well as the Ying-Yang principle.

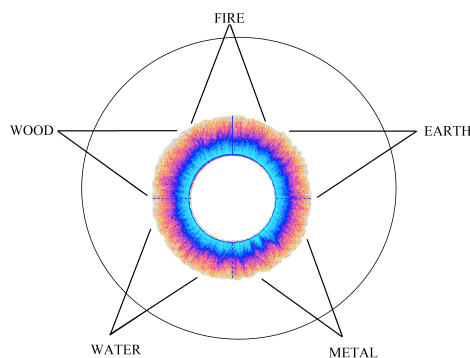


Fig.1. Five Elements principle

The Five Element theory arose out of observations of different groups of dynamic interactions in nature. Each element presents itself as a linking basis in nature and the human body. For example Fire corresponds to the Heart and Head. The interdependence of the five elements serves as a model of how various processes in the body correlate with each other. This interaction is mainly defined via the Sheng and Ke cycles (fig.1). The principle of the five elements was at the heart of the construction of the device. The working principles of the 5-th Element Sensor are cited in Fig.2.

The GDV device (Gas Discharge Visualization) serves as a measuring device. The titanium calibrated cylinder is positioned on an optical lens in a special holder. The special computer operated switch brings together the terminal lead of the cylinder with each sensor in turn. In the first case the cylinder is joined to the general point of the GDV Camera

(contact 3 Fig. 2). The remaining electrodes are: a metallic rod placed in water (river, stream, lake and so on); an earthed connection; an electrode driven into wood and an air sensor. Each location records a dynamic set of images and calculates the timelines of the parameters.

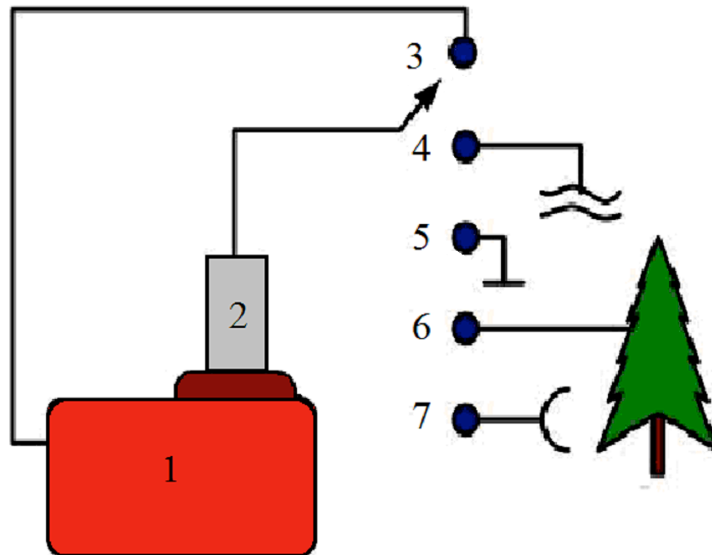


Fig.2. Principle of Eco-Sensor operation.
 1 = GDV device; 2 = Titanium cylinder; 3 = Grounding;
 4 = Water; 5 = Earth; 6 = Plant; 7 = Air

In details the principles of operations of the “Electrophotonic Sensor” are as follows (See Fig. 3). Titanium cylinder 1 is connected to the special antenna 2 designed to create non-homogenous electromagnetic field. This antenna **was found to be very sensitive and as it looks like the first Russian space satellite, so it was named by our American friends as “Sputnik”**. You may see it on fig.5. Generator 3 produces high voltage impulses, 10 mcs duration, coming with 1 kHz frequency in 0.5 s packs every 3-5 s. Voltage is applied to the transparent conductive layer 4 on the quartz electrode 5. Due to the bias current from antenna 2, a gaseous discharge 7 between cylinder 1 and electrode 5 is generated. The glow of the discharge is detected by a special TV system 6, and after digitizing, is kept as series of image files on a memory stick 8

connected to the instrument or is sent to the computer. A special software environment in Internet was developed (www.bio-well.com) for processing and analyzing of images (BIO-grams). The original image, as it is obtained from the video camera and saved as a BMP file, is presented at Fig.3B.

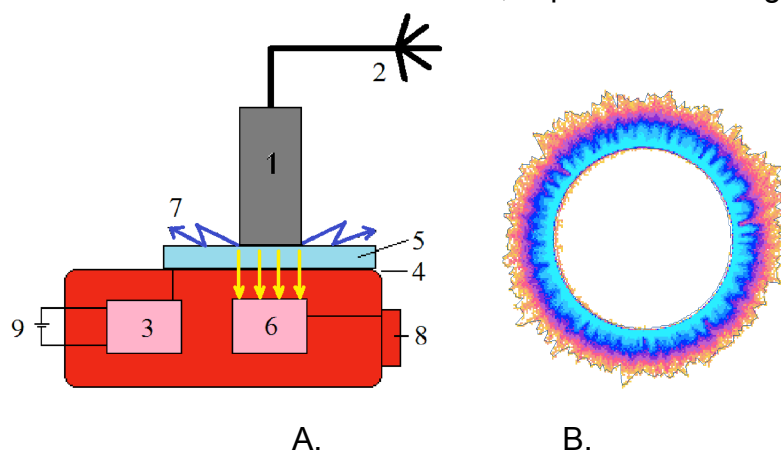


Fig. 3A. The Schematic Design of the “Electrophotonic Sensor”
Fig. 3B. An Image of the Titanium Cylinder

1 = Titanium cylinder; 2 = Special antenna; 3 = Impulses generator;
4 = Transparent conductive layer; 5 = Quartz electrode; 6 = TV
system; 7 = Gaseous discharge; 8 = Memory stick; 9 =
Rechargeable batteries

The following main parameters are calculated from the image:

Total image area (S): the number of pixels in the image having brightness above the threshold – proportional to the amount of light photons emitted by Sputnik sensor.

Average Intensity (Int): is an evaluation of the Intensity spectrum for the particular image.

Energy of light (E): energy of photons emanated by Sputnik sensor.

Fractality coefficient (FrC): is calculated according to the algorithm of Mandelbrot as a ratio of lengths of perimeters of the image glow, obtained in different scales of EPI-gram. Form and

fractality coefficients show the degree of irregularity of the EPI-gram external contour.

Standard Deviation (Std): measures the level of non-uniformity of the energy or area graph curve.

In laboratory conditions variability of data during 9 hours was at the level 1.5%-2.0% (fig.4). Before the measurement, instrument should be “warmed up” by operating for 10-20 minutes with cylinder connected to the grounding jack of the instrument.

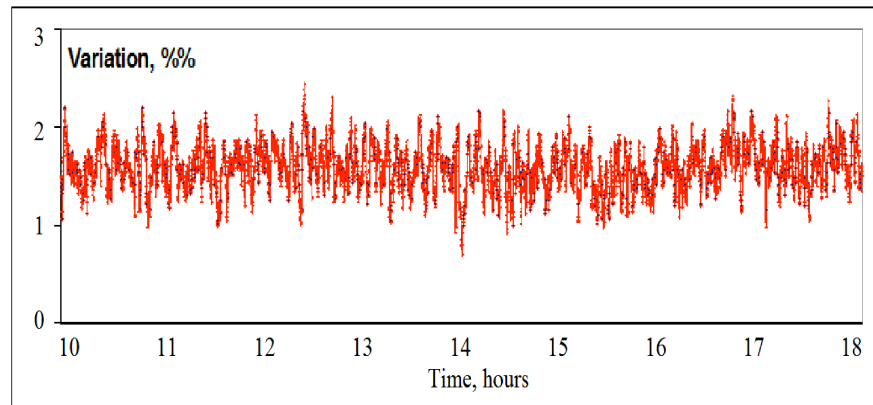


Fig.4. Typical variation of “Sputnik” sensor in calm environment

A special instrument for environmental testing “Eco-Tester” has been created (fig. 5). It runs without computer, collecting all information on a memory stick. After recording is finished, collected data may be processed on computer generating time line of parameters.

Special software was developed for Internet – www.bio-well.com, it works with BioWell device allowing record data in time, put specific time marks and after finishing recording in several seconds receive time-lines of parameters.

From the conventional point of view we may state that bias current in the electrical chain depends on the capacitance of space between antenna and environment. Distribution of

positive and negative ions in the air may have substantial effect.

Emotions are related to the activity of the parasympathetic division of the autonomic nervous system, which changes blood microcirculation, perspiration, sweating, and other functions of the body, resulting in the changes of the overall conductivity of the body and the conductivity of acupuncture points in particular. So the presence in the vicinity of the instrument of the emotional people may change the conductivity of space and, hence, the signal of the sensor. This may be related to the formation of areas of decreased entropy in space, or, as Professor Tiller claims “associated with the buildup of a negative magnetic charge manifesting in the environment” [Tiller W. A., and W. E. Dibble. An Experimental Investigation of Some Reconnective Healing Workshops via a Unique Subtle Energy Detector. in: Science Confirms Reconnective Healing. Amazon.com Publishing 2012]. Some quantum effects may be involved as well.



Fig.5. Eco-Tester with “Sputnik” antenna

“Sputnik” sensor has proven its efficiency by responding to geophysical parameters, like sunrise and sunset, sun eclipse, dramatic changes of weather, as well as to human emotions. In this book we present results of our expeditions to different parts of the World.