



KIRLIAN EFFECT. PROPOSALS FOR USE IN FORENSICS

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Abstract

Kirlian effect, discovered by chance in 1939, is based on measuring the energy characteristics of living beings. This paper presents the history and characteristics of scientific phenomenon called Kirlian effect and its possible connection with the study forensics.

From highlighting differences between the common man's aura and the potential or actual criminal, the criminal substrate, launched the hypothesis that Kirlian effect can be the basis of scientific measurements of these types of human behaviour.

Keywords: *aura, phosphenes, Kirlian effect, human energy profile, criminal potential.*

Aura Energy and its importance

The existence of a subtle energy field that surrounds the human body has been known for thousands of years. In recent years, more and more scientists have begun to express interest in this phenomenon. Now we know and admit readily that every living being is surrounded by an electromagnetic energy field. Our energy aura can bring information about the qualities, skills, thoughts, feelings and our problems. Aura may be modified by external factors such as environmental quality, the air we breathe, the people around us, a tense atmosphere and harmonious.

Aura color interpretation brings vital information for the person concerned. Aura colors and energy intensity of any living beings reveal valuable information for understanding the health of that being, to determine the state of mind, who is being expressed concerned.

An aura photograph biotherapist can analyze a person's energy and can draw useful conclusions. Kirlian photography can assess the type of individual energy status globally and in real time. Comparative studies were performed to

assess the state energy aura of individuals concerned.

Doctor Francis Lefebure, a French physician and researcher, has developed a method of personal development based on systematic use of phosphenes - subjective sensations of light, not directly caused by stimulation of the retina. Phosphenes can be produced by focusing a short time the light sources.

History of Kirlian effect

The effect itself is known since centuries XV and XVI, as illustrated in the form aura angels and saints in many paintings and icons dating from this period. Physical effect of brightness in response to electrical excitation was first observed by the physicist Nicola Tesla in the second half of XIX Century.

Semyon Davidovich Kirlian Russian technician (1900-1980) and his wife repaired in 1939, equipment in a hospital in Krasnodar, when found by chance, something abnormal, unnatural, appeared on the surface of an object placed in a high electric field frequency of the brightness of a spark plasma. Kirlians put out such a method of shooting and viewing live

bodies energy. In another sense, Kirlian photographs is highlighting the corona discharge, downloads that can be highlighted for any body under a high voltage potential. In these photos do not see anything other than the electric field.

The phenomenon has been ignored for a while by Russian scientists, but in the early 60's he was promoted as a major scientific discovery: American and European journalists, false scientists have preoccupatt it "see" study aura and to explore the human bioenergetic field. In parallel, the effect has been studied by scientists who discovered that Kirlian photography can detect all types of diseases, even before signs of disease characteristic physical and emotional states concerned. Energy healing, clairvoyance and other occult practices are based on this effect.

Publication of results of experiments carried out by husbands Kirlian, a Russian-language edition of the Hungarian allowed Albert Szent-Gyorgyi, easier access to award the Nobel Prize for medicine based on its findings about the science of life. Szent-Gyorgyi has developed papers on the links between life processes connections and electronic excitation of molecules, cells, tissues and ultimately the body as a whole. Gyorgyi assumed that living body is penetrated by a flux invisible, whose particles - electrons - are designed to transport energy, information, and to serve as a kind of fuel for all life processes. Kirlian effect has thus in the hands of biologists, an experimental method to study processes occurring in living organism.

Biophysicists considered based on Kirlian effect is bioplasma, explaining it as a stream of subatomic particles moving through living tissue⁴. The first conference on issues of bio energy, the Kirlian effect was used in the treatment of patients, was organized in 1968 in the former USSR, the city Alma-Ata, a group of scientists from the Kazakh National University, headed by young biologist then, Victor Iniuşin today

Doctor of Biology, who had studied for four years Kirlian effect. His studies have established the relationship between luminescence intensity and respiratory processes - an interesting phenomenon was revealed - Iniuşin considered bioplasma living organism is responsible for operating more or less normal body concerned.

Victor Iniuşin research were continued by Soviet physicist Victor Adamenko, who concluded that Kirlian type mechanism explains the high frequency discharges of special type, based on electrons with a strong electric field, electrons generated by using voltage pulses high frequency.

In the U.S., neuropsychiatric Thelma Moss, a professor at the University of California decided to travel to Moscow and Alma-Ata to know the work of ex-Soviet specialists in bio energy. Returned into the United States, repeated in collaboration with physicist Kendall Johnson some investigations of Soviet and won for the first time in the United States now famous Kirlian photographs.

Interest on Kirlian effect began to grow rapidly, and in 1972 at the initiative of Professor S. Krippner, psychologist who headed the Center for the Study of Dreams in New York, was organized the first international conference to discuss Kirlian effect, this was attended by over 500 biologists, physicists, psychologists, engineers, physiologists, doctors, forensic photographers and interested to link based on Kirlian effect between the characteristics of electric discharge process and emotional state of patients undergoing the experiment. The second international conference on the subject of research based on Kirlian effect was also organized in New York next summer, and this was attended by four or more rings. On this basis, 1973 is considered the peak year of studies based on Kirlian effect.

Features Kirlian method

Kirlian photography technique requires a high voltage AC and high frequency. The effect, named with the surname of its discoverers, is a phenomenon of corona discharge type: film is a classic and can be highlighted with modern appliances, which shoots aura of the bodies. He was ignored by Russian scientists, but during the early 1960s the Russian press and popular magazines promoted him as a "great discoverer." Scientific investigations have found that the result of lightning depends on the type of film, the voltage applied, skin resistance (which may be affected by sweating and the amount of pressure applied to the film), The Subject of the earth, humidity chamber experience, exposure and shooting and shooting even order in a series; were identified at least 22 physical, chemical and photochemical lightning that can influence evaluations type corona seen in Kirlian photographs or devices that allow viewing effect.

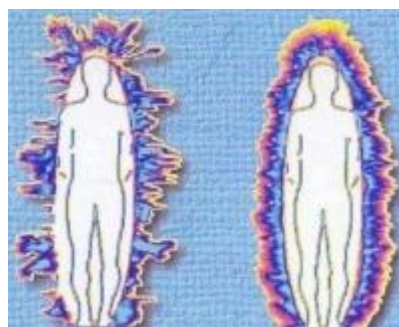
In 1961, Kirlians able to track and photograph the human body skin, high frequency current and showed that these currents come from a point to take another crown shaped downloads, bumps, and are painted in different colors. Man's emotional state depends on the color and intensity of luminescence. In the normal state is uniform luminescence and, for example, when a decision begins a movement intensive luminescence simple.

In their studies, Kirlians discovered a mysterious glow around human fingertips. They created a laboratory and home for a quarter century have much to modernize equipment, with which it was possible to observe and photograph the brightness leaves, fingers and toes hands, acupuncture points, different objects. They found that electrical crown around the fingers change color and size depending on the emotional state of man.

Kirlians noticed that the people who are shooting on film color, different parts of

the body manifests itself in different colors: blue region is the heart, the forearm region - green, etc.. Diseases and emotional stress is reflected in the color image. Studies Kirlians contributed to the following conclusions:

- energy used by the body emits radiation in high frequency
- every organ, tissue, cell, emits „rays” in a typical range
- in case of unexpected changes, the tuning fork frequency change in one direction or another spectrum (depending on whether the activity is activeness body or suppressed).
- in a healthy person, is heated and uniform luminescence and energy problems, disorders causing inflammation, tearing, deformation luminescence. The disease, which has not yet manifested on the physical, luminescence signals with uneven areas, broken, weak individual energy field.



Biological field of pathology and a person with a healthy person

Based on a generic case studies, Dr. P. Mandela surveyed reveal that luminescence characteristics with those of certain physiological. Kirlian method, applied to the computer, allowed early detection of disease, and is now widely used in medical practice.

Kirlian Photography can be obtained by applying the method to study the living structures and the structures nevi. Thus, usually inorganic structures have a static image, monochromatic and reproducible, and organic structures have a dynamic,

variable from one moment to another and from one state to another body.

Over the past 30 years, has accumulated an enormous amount of scientific material related to the Kirlian effect, on which several interesting conclusions were drawn. For example, change the brightness leaves of different plants due to toxic action results. Photos made by Kirlians opportunity to „see” the mutual influence of plants: the photos clearly show how the „aura” of a plant suppresses the „aura” other plants, such as changing the size and color as close to an active power plant, a less active power plant. Different functional states of the human body - normal or pathological - they correspond to specific colors of the frames, which differs from a physiological condition of the body to another.

Kirlian effect has been widely debated and studied by researchers in the former USSR as Iniuşin and Adamenko and in other countries like the former Czechoslovakia, Italy, USA. He stirred controversy and was the subject of numerous scientific meetings attended by physicians, psychologists, biologists, engineers and other scientists.

Kirlian photography is the recording of an object so exposed to a high voltage electric field and frequency. The images thus obtained, the subject is photographed surrounded by a halo bright polychrome. It is also known as „Kirlian effect”, „Kirlian process”, „Kirlian technique”, „Kirlian method”.

Kirlians from process, technical solutions have been imagined new possibilities have considerably enlarged the scope of investigation and knowledge of living matter. Depending on the authors and technique used, the image obtained has different names: electro, Electrophotography, corona (used mainly by American scientists), Kirlian photography, etc.

Dr. Michael Guelkin a Leningrad surgeon, specializes in acupuncture, promoting the

so-called „e-therapy”, so he noticed that there are 695 points on the body due to specific acupuncture therapeutic puncture, which can be stimulated by intense light.

His observations were confirmed by a group of doctors in Alma-Ata, capital of Kazakhstan, who treated more patients through the points on the body stimulated with laser beams, managing to stimulation essential life processes of the patient. Were healed as hypertension, existing damage to the joints, arthritis and metabolic diseases.

Romanian Studies based on Kirlian effect

Interesting experimental observations on the use of electrographic methods, in particular cancer diseases electronografiei in the study were performed in our country (and Celan E. N. Constantinescu, 1979)⁵.

Dr. Dumitru Constantin considers that the Kirlian biofield highlights of living organisms, it based its assertion on the findings of scientists and Northrop, Burr and Ravitz, in their study on biocâmpurilor showed significant fluctuations dependent on many factors.

The most reputable scientists in Romania on Kirlian effect is Dr. Cornelia Guja from ElectroPhysiology Laboratory, the Institute of Anthropological Research „Francis I. Rainer” Romanian Academy. She studied for several decades auras bodies (see all of its significant work since 1977 and by 2011, the selective bibliography of the paper), published the first volume with this title in 1993⁶. Development initiative of this volume was born in 1985 when they reached 10 years of taking electrographical method (Eng) (due to goodwill for its inventor, Dr. Dumitrescu I. FI) and the association with the investigations of anthropology⁷. The newsletter „human being” as an editor and a common work, conducted with Dr. Elena Iliescu⁸, dr. Cornelia Guja presents the results, very interesting about the aura bodies, made by his team of collaborators

from the Laboratory of Electro-physiology of the Institute quoted above.

After Dr. Cornelia Guja, Kirlian photography made exploration in electromagnetic fields generated by living organisms under frequency and high voltage. Around the body is formed so exposed skin effect type downloads (marginal aura). Characteristic Kirlian technique is the use of oscillating electric fields with frequencies of hundreds of Hz to MHz and voltages between 20 and 100 kV as a means of excitation of gas molecules. Because of the large tehsiunilor, displayed, usually in humans, only fingers, palm up⁹.

Kirlian diagnostic potential of the method

In the history of science, a new tool always led to new understanding of reality. Such a tool is the computer performing the discharge for gas visualization (GDV) or bio-electro room. GDV technique is based on so-called Kirlian effect and was proposed by Prof. Konstantin Korotkov of the University of Technology St. Petersburg (Russia), who studied after Kirlians effects of electro-photonic emissions around the human body and other objects. He found that in order to extract reliable and repeatable in records electro-photonic bright, it is necessary to optimize the operation of a device, which today bears his name, the device has been necessary to minimize the influence of ambient temperature and humidity, and is based on the operation of the camera and the image recording and parameters to optimize the process of electro-photonic emissions stimulation. Since 1996, Prof. K. Korotkov developed a range of tools for stimulating, recording and processing of electro-photonic materials for downloading management technique for gas visualization (GDV) technique is used in science and has huge potential to extract information about the items proposed to be studied. One of the most significant

applications of the GDV technique today helps healthcare professionals quickly and accurately in assessing human and compare the efficacy of various therapies in that it follows.

Currently, Electro photography using high voltage sources with their own parameters for each technique separately. Thus, Kirlian photography technique using pulse trains with frequency in megahertz kilohertz and amplitudes up to 10 kV and 100 kV, and electro- graphic single pulse using a triangular pole, duration and amplitude of the order of microseconds variable between 10:40 kV.

With the objects subject to high voltage electric field action are living structures, small currents are debited from the source, ensuring biological electrosecuritate. So we can talk about the electro-weak currents, used for medical and electro-currents of a country, used especially for inanimate structures. Capacitor type devices equipped with planar electrodes are used mainly for the study of plant items, the small objects of inanimate bodies, small animals.

To explore different regions of the human body using the same capacitor. In recordings in humans based on Kirlian method were highlighted various psychosomatic conditions, diseases of internal dysfunctions, which have particular electrographic expressions. Also highlighted were significant differences between high-frequency images and images obtained on cancer cells obtained by the same technique on normal cells.

In the 70's, Institute of Neuropsychiatry, University of California at Los Angeles (UCLA) and the American Psychological Association (APA), Thelma Moss and her group of researchers have studied bio-fields on plants and people and on this basis have reformulated the hypothesis of possible interaction energy between living organisms. Photographs obtained as a result of careful analysis revealed several images with different colors and intensities

depending on the mental tension, anger, fear, relaxation. Among the findings were featured and those under which some parts of the body, is a more blurred, and in others more pronounced. These areas with different images could be later determined to be variable bioelectric energy structures.

Such findings, which are based on Kirlian effect, the opportunity to say that in terms of physical functioning of living systems can be designed as a fluctuation of energy fields. As a result of this research and scientific experiments, there are views of some scientists that the human interactions could be interpreted and understood as, first, the interactions of energy fields.

Doctor of Technical Sciences, Prof. K. Korotkov supports the following „characteristics determine not only the state recorded the physical body, but primarily, the energy body state information. Luminescence finger structure of family experiences by Kirlian reflects a wide range of energy characteristics, mental and emotional. With the advent of a new generation of Kirlian devices, computer, opens the possibility to study the deeper secrets of the human being”.

Ancient Indians knew that every body and illuminates each drop of blood that the heart is a point that begins to live first and die last - this point that a fire glows purple. Professor K. Korotkov Kirlian type modernized equipment, installation of computer systems, has developed a new method of research, which became known as „gas discharge visualization” (GDV). He managed to create a device that allows you to see human aura, „the complexity of GDV images, reflecting the different layers of information contained in these images they allow association with human aura - the general picture of distribution of biological fields of an object in space”. The Prof. K. Korotkov created - Gas Discharge Visualisation (GDV) - computerized version of the Kirlian camera, is based on stimulating and recording electroluminescence glow around

each finger. A person puts his hands on a black glove, simulating a dark room, your fingers are placed directly on film or emulsion. Photographic surface is made and recorded under pulsed voltage.

Making over a quarter of a century, studies, research and experiments, some of the world's first, whose results were presented at scientific congresses and meetings in Romania, but especially abroad (See Bibliography selective in our study), Dr. Cornelia Guja, one of the world's few specialists Kirlian effect, showed that „Experiments have highlighted the shortcomings of this method, of which the most important thing is overlapping positive and negative images. Aura is so bright that the film is the sum of the effects of a large number of electrical oscillations, due to the high frequency field. Thus, many details that could characterize the body practically merge and blur. Positive and negative images refers to the recording on film electroluminescent effects, which occur around the body exposed”¹⁰.

Kirilian effect and its relevance in forensic

We consider a very important statement, verified by careful measurements and supported by Dr. Cornelia Guja theory: „In our experimental investigations we have assumed that states (emotions), emotional, regardless of their biological motivation, psychological or socio-cultural can alter physiological parameters of the body in a sometimes spectacular. There is an extensive literature attesting to these issues. The study of such changes I made and new by the method electrographic ... Because electrographic study shows that changing the state of the bodies (including bodies) is felt remote strimerilor amendments to the form (a form of energy discharge), means that there is an interdependence between the internal state of the body and the state space around him”¹¹. Thus it was found that „there is a

dominant image feature for individual states about 85 percent of tested¹².

Knowing the virtues of Kirlian effect, we can assume that comparative studies between the auras of people and those of ordinary criminals can lead to very interesting observations that can be used for determining a „bioelectric type” or the criminal behavior of a specific pattern, the type of behavior that may induce such behavior criminal, in which the individual concerned has committed unlawful acts of moral and social rules imposed by accepted rules. On this basis, could be developed a specific energy profile of various human types, positive (it fits, obviously, and the average person), social neutral (that fits the criminal behavior) or negative (which fits the type criminal behavior).

Conclusions

Any body radiates energy visible in its specific aura, consistent with the physical condition of the bodies or the bodies without life living with their biological state, where the human body, specific energy is consistent with the other two states - the mental and its social social. If the living body is placed in a high frequency field, introducing an area impressive photographic terms, then get different configurations, specific physical, mental, and for human and social it. The human body has an electrical component that produces the effect of energy field within and outside it. This energy field, determined by physical, mental and social development of the matter can be measured and quantified by Kirlian methods.

You can determine unique characteristics of each human body aura, and people with criminal potential, through careful study, compared with normal people on the criminal behavior, can cause energy aura characteristics of these people. Thus, the simple routine methods Kirlian, may reveal a potential criminal and social dangers

created by it, identified through technical analysis methods specific Kirlian effect, may be known in advance.

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