

Protecting the Bare-Hand Live-Line Workers Under the Low Frequency Electromagnetic Field Influence Using Bio-Phyto Dynamic Modulators

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Abstract. As already demonstrated, the long term negative biological effects are caused by the low frequency magnetic field exposure, but by the left torsion field accompanying the electromagnetic field, as well. Inside their special suites, the workers are protected against the electric field, but not against the magnetic and torsion field. Continuing the researches reported by the occasion of IEEE-ESMO 2006 and IEEE-Powertech 2009 the authors developed much more protective patterns as bio phyto dynamic modulators for the bare-hands live-line workers.

Keywords: biological effects, biological systems, magnetic field, magnetic flux density, torsion field.

INTRODUCTION

Whether in as much as the electric field is concerned it has been settled by the international scientific community since the 90's that there are no direct biological effects, only physiological effects caused by densities of the currents higher than 10 mA/sq.m. induced into the human body. When considering the impact of the magnetic component of the electromagnetic field of industrial frequency, the situation is somehow different.

The maximal values recommended for the magnetic flux density in professional and residential exposure situations have been established by international and national organizations. ICNIRP, IEEE and the European Community propose the limit of 100µT and 500µT for the residential exposure and the quasi-permanent professional exposure, respectively; these limits have been determined starting from the physiologic effect of the magnetic field based on a maximum density of current induced into the human body of 10 mA/sq.m., under the conditions of different safety factors for the two types of exposure. Higher values of the limit are accepted in case of a short time professional exposure. The limits previously mentioned are considered valid for most countries, as resulted from the Eurelectric synthesis (Environment&Society W. G., 2003).

However, the impact of the magnetic field is not only instantaneously, but long term biologically, too, inducing the development of some diseases or the aggravation of some anterior diseases in the case of exposure to relatively low values of the magnetic flux density [Sherrill Sellman, 2009]. Thus, as resulting from the conclusions of California Health Report – June 2002, (Neutra *et al.*, 2002), in situations of exposure to very low values of the magnetic flux density ranked between 0.2 and 1.2 µT, a decrease of the immune capacity of the human body occurs due to the decrease in melatonin secretion.

The biological impact can also be explained by the interaction between the torsion field underlying the EM fields and the electromagnetic and bio-electromagnetic phenomena, such as it was mentioned by Bohm and Aharonov (Srinivasan, 1999, Dinca *et al.*, 2006), and further details obtained by other scientists such as W. Cook, W. Tiller, A. Dinca *et al.* brought to the possible mechanism of causation.(Dinca, 2005; Tiller, 1997).

The typical values of the magnetic flux density in the vicinity of overhead electric lines conductors, under the conditions of live-working at potential are in the range of: 0.04-0.8 mT. Inside their special suites, the workers are protected against the electric field, but not against the magnetic and torsion field.

MATERIALS AND METHODS

Torsion field. Nikola Tesla around 1900 was the first to experiment with two spiral coils (caduceus shaped). He fed the two coils with opposing alternating currents such that they would create electromagnetic fields that would be self-cancelling.

Although the electromagnetic fields were cancelled out, he demonstrated that his Tesla coils were nevertheless able to transmit energy over long distances. He had actually discovered a new form of energy. Remarkably Tesla's waves did not lose its energy at the inverse square of the distance as normal electromagnetic energy does, even over long distances there was no loss of energy to be noticed.

Fortunately the same form of new energy was independently discovered in the nineteen fifties by Russian astrophysicist Dr. Nikolai A. Kozyrev (1908-1983). Kozyrev's discoveries were kept secret by the Soviet Union during the Cold War. It was only after the fall of the Iron Curtain that Kozyrev's discoveries were slowly revealed to the West. In the Soviet Union thousands of academics have delved into this subject after Kozyrev's initial discovery of this new form of energy. Kozyrev proved the existence of the ether once and for all.

This new energy is neither electromagnetic in nature nor does it relate to gravity as it stands on its own. The new form of energy discovered by Kozyrev is a spiraling non-Hertzian electromagnetic wave that travels through the vacuum at super-luminal speeds, a billion times (10×10^9) faster than light. Due to the spiraling nature of the wave, the wave is called a torsion wave since it traces a spiraling path! According to independent researcher David Wilcock the torsion wave also traces a perfect Phi spiral! Torsion waves are called non-Hertzian waves since they do not obey the classical theory of Hertz and Maxwell.

Einstein and Dr. Eli Cartan predicted the existence of static torsion fields in 1913 in a theory that became known as the Einstein-Cartan Theory or ECT for short.

Torsion fields never got very much interest in physics until Kozyrev discovered their actual existence.

The torsion field (also called axion field, spin field, spinor field and microlepton field) was first introduced by Elie Cartan in 1922 that extended the Einstein's general relativity to include the affine torsion of space-time continuum [Wikipedia, the Free Encyclopedia]. In the Einstein-Cartan theory all the rotating bodies produce waves of torsion which spread through space-time. This research was neglected by the physicists, the torsion field being considered very weak to may get a use from. The first scientist who saw the importance of the torsion fields from the point of view of their effects in macroscopic world was the Russian researcher Nikolai Kozyrev, in 1967 (Nachalov *et al.*). In 1980 the Russian scientists Anatoly Akimov and Gennady Shipov succeeded to gather experimental and theoretical proofs concerning the existence and the importance of the torsion fields. Kozyrev results were confirmed by the

Belarus Academy member, A. I. Veinik at the end of 80s. Other very important scientists involved in torsion field theory have to be mentioned: in Russia - E. S. Fradkin, D.M.Gitman, V.N.Ponomarev, J.N.Obuhov, in U. S. A. - T. Bearden, E. E. Green, R. T. Hammond, G. Rein, T. M. Srinivasan and W. A. Tiller, in Germany - R. T. Hell, in Italy - B. D. Sabbota and K. Sivaram, and in Israel - M. Karmeli (Akimov).

All physical amorphous objects have their own torsion field resulting from the spins of all the intrinsic particles, but the resulting field may be modified if the objects are influenced by an external torsion field. Under such an influence, the new configuration of the torsion field will be in a meta-stable state and will remain even after the external source disappears. The resultant torsion field can be positive or negative (Akimov).

Taking into account Akimov's work (Akimov *et al.*, 1996) the following conclusions may be considered:

- a) The electromagnetic fields always contain the torsion component;
- b) the torsion field is observed both in an electrostatic field and in electromagnetic radiation;
- c) electromagnetic and gravitational fields have central symmetry and the torsional fields have axial symmetry;
- d) the static torsion fields have an action radius and the field intensity inside this radius (nearby zone) is almost constant;
- e) the wave torsion field actions are not limited to a nearby zone, their intensities do not depend on the distance from the source;
- f) the torsion fields pass through environment loss free.

The tests conducted at The Ohio State University Engineering Microwave Lab. detected wave emissions in the range of radio (4 MHz) and micro (2 GHz) in the proximity of a torsion field generator (Benford, 2002) and this information can be very useful for the further researches on torsion field detection.

As a component of the electromagnetic field, the torsion field may influence the physical characteristics of different objects or substances, but may have a good or bad impact on living bodies as well. The latest one may be positive or negative depending on the field's sign: right or left (<http://www.spinor.kiev.ua>; A. Pavlenko, I. Gromiko *et al.*,).

The torsion fields transmit information without transmitting energy, but alter the spin state of the physical media and this is the explanation of the mentioned health problems. W. A. Tiller's statement must be mentioned: "preliminary research data indicate that the subtle energies somehow influence the electric and/or magnetic fields of the body and which influence have demonstrable effects on the structure, function, chemistry and the mind"(E. A. Ainsbury, 2004).

Strong torsion fields are generated by high electrical potentials and equipments based on circular or spiral electromagnetic processes. The electric generators from power stations are generating high negative torsion fields and these are traveling on the transport and distribution networks directly to the industrial, commercial or residential consumption centers. The negative torsion fields were found to worsen the health of people exposed to them. This resulted from the laboratory analysis of the blood performed in Saint Petersburg [<http://www.spinor.kiev.ua>] and in Kiev [The Ukraine Open International University, 2008]. The first ones have shown a major increase of 4-5 times in erythrocytes sink speed and the last ones a 40-50% reduction of lymphocytes and of 45% for leucocytes.

Measuring equipment. The torsion field magnitude can not be measured directly as there are no sensors to sense it, but its existence and size can be measured indirectly, by

determining its effects, such as: radio-aesthesia, Kirlian photos, aura vision bioluminescent emission from the biological systems, refraction, spectral colorimetry, etc.

The following known equipments have to be mentioned:

- a) TCM-030, invented by Viktor Shkatov (Russia) with differential torsion input and orthogonal torsion outcome (Pavlenko);
- b) SADAF-08LC, invented by Viktor Shkatov (Russia) with two laser beams contacting the studied object and LPT port for computers, which can obtain the electronic image of the field (Pavlenko);
- c) SEVA, invented by Mark Krinker and Larry Pismenny (U.S.A.) in 2007 has a sensor with three mutually orthogonal electrodes, each detecting a component of the external electric vector. The signals enter through band-pass filters, the central frequency of the filters matching that of the maximum energy supported by the ground-ionosphere bottom resonator, i.e. 6208 Hz (M. Krinker *et al.*; M. Krinker, 2008).
- d) IGA- 1, invented by Youry Kravcenko (Russia) in 1997, measures the phase shift of the Earth's own electric field within the 5- 15 kHz band, supported by the natural ground-ionosphere resonator [F]. This apparatus (Krinker *et al.*, Kravcenko) is composed by: an antenna that can be positioned over the surface to be investigated, a converter of the antenna signal and an analog measuring device. Most of the manufactured IGA- 1, like the one that has been used in the experiments described in this paper, show if the torsion field has a magnitude which can be dangerous, based on the inventor's experience. A new type is under developing and will be equipped with an interface allowing the transfer of the output signal to a computer. The IGA- 1 apparatus was tested and used frequently by the scientists in Russia, Ukraine, France and U.S.A.

The torsion field impact over the live-line workers was analyzed by two different techniques. The first one is that using the Aura Vision System equipment (U.S. manufactured), as reported in 2006 (ESMO) and in 2009 (IEEE Powertech), visualizing the body actual bio energetic state through aura and chakras magnitudes. The second one was done using a non linear bio resonance analysis equipment (approved in European Community), allowing to see the actual health situation of all the human systems, organs and tissues.

The Aura Video Station is equipment based on the interactive multimedia feedback. It is not an apparatus to measure the torsion field directly, only indirectly, showing the influences of the torsion field on humans in particular. It uses the hand biosensor to measure the biofeedback data. The input data are: the electro dermal activity, the electrical conductivity of the hand and its temperature in real time. The programs measure, analyze and process the biofeedback data and correlate them to the specific emotional – energetic state, developing the images of the aura and chakras (Dinca, 2005; T. Edye *et al.*, 2008; Sabau *et al.*, 2007).

- e) Methatron – a non- linear analysis system, manufactured In Russia and approved by the European Community, allows to trace any conditions in the human bodies through the changes occurred in the wave characteristics of the body tissues. Differing from tomography and NMR, the NLS analysis does not require fields of high intensities; the diagnosis equipment is based on the spectral analysis of the vortex magnetic field of any biological object.

Neutralizers. All the researches trying to discover some materials to reduce or even to neutralize the torsion field had no results, except the aluminum screening which was found as efficient in some cases (Wikipedia, the Free Encyclopedia).

Some successes came from researches led to find some patterns which could deviate or even cancel the torsion field. The first one was developed in Russia as “Neutralizer” and is

made of two mirror like positioned multiphase spirals of Archimedes using the thin film technology. The spirals are made of gold-silver-copper alloy. These may be used to neutralize the torsion field of indoor geo-pathogenic areas, electric home appliances and others. The same conception was used in Ukraine to get the Torser pattern. A different approach was that of Ancu Dinca (Romania) who invented the neutralizing bio-phyto-modulators, auto-converters that contain liquid crystals obtained from 40 different plants gathered from all over Romania, from zones at altitudes between 0 and 2500m. The component plants are dry ensuring the conservation of both the energo-informational matrix and the biochemical structure (liquid crystals). The very large distribution of these liquid crystals enables a relatively high probability that one of these component plants corresponds to the perturbing dominant wave. The field neutralizing patterns come into action when stimulated by the perturbing factors, and neutralize the subtle field by de-modulating the emission of the generating source through the de-phased interface. The auto-converting passive devices conceived to neutralize the subtle field emitted by the electric power installations have the dimensions of 120 x 120 mm and have to be attached to the respective worker body.

The personal regenerative bio-phyto-modulator has been conceived to regenerate the energo-information field of the person and meanwhile protect the person who works in surroundings with high values of the magnetic flux density. These devices are made of different plants, about 20% being the same, but have reduced sizes (25 x 25mm). They function on the homeopathic resonance principle at the level of the corresponding energo- informational traps that they activate in the organism.

THE HUMAN BODY IS BIOLOGICALLY AFFECTED WHEN INSIDE A TORSION FIELD UNDERLYING A RELATIVE HIGH MAGNETIC FIELD

The field impact over the live-line workers was analyzed by the two mentioned techniques. The measurements were done on three live- line workers, before climbing on the tower of a 400 kV transmission line (I), after ½ hours of live- line working without the protective bio-phyto-modulators (II) and after ½ hors working, but equipped with the proposed bio-phyto-modulators (III). The first two persons were protected during the stage III by neutralizing modulators on their chests and the third person by 2 regenerative modulators, applying them, on each outer side of the palms.

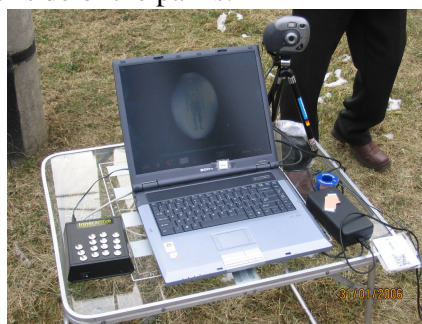


Fig. 1. The photo of the Aura Vision System equipment

The first sets of measurements were performed by Aura Vision System (Fig. 1) on the three persons, the results being shown in the Fig. 2- I, 2- II and 2- III for the first one, in the Fig. 3a, b and c , for the second person and in the Fig. 4a, b and c for the third one. The magnetic flux densities were 1.8 microT down and 0.78 mT up. The magnetic field flux density

was measured using the Aaronia Spectran 5030 analyzer (Fig. 5).

The aura size a), the aura - chakra balance b) and the main seven chakra energies c): 1- base chakra, 2- navel chakra, 3- solar plexus chakra, 4- heart chakra, 5- throat chakra, 6- third eye chakra, 7- crown chakra) were determined. Aura is the popular name for human energy field surrounding the body and can be viewed using special photographic equipment. It is characterized by magnitude and color. The chakras are the spherical whirlpools in the ether body acting as energy transmitters, and influencing the physical activities through the function of endocrine glands.

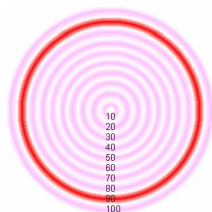


Fig.2-I(a) Aura size

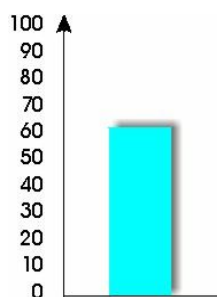


Fig. 2-I(b) Aura – chakra balance

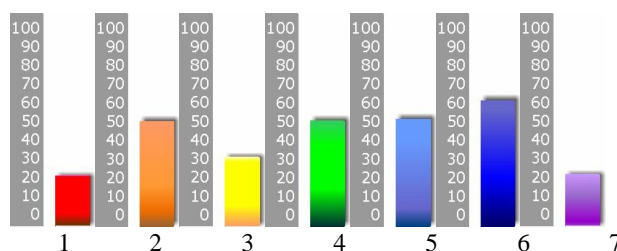


Fig. 2-I(c) The chakra energies

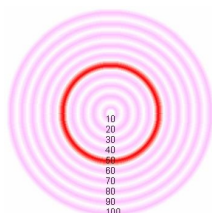


Fig. 2-II(a) Aura size

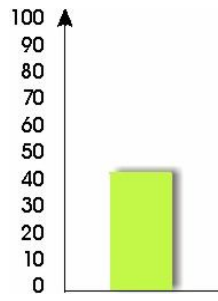


Fig. 2-II-(b) Aura – chakra balance

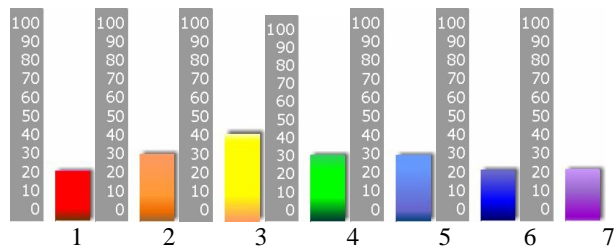


Fig. 2-II-(c) The chakra energies

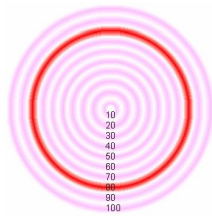


Fig. 2-III-(a) Aura size

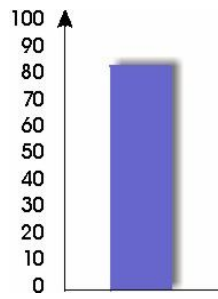


Fig. 2-III-(b) Aura – chakra balance

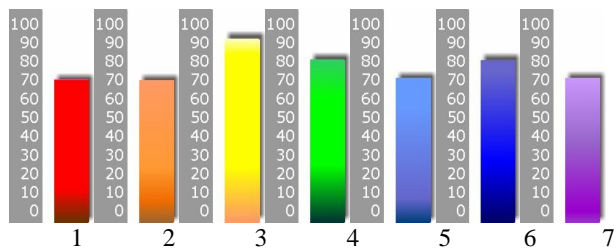


Fig. 2-III-(c) The chakra energies

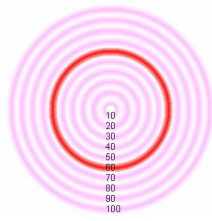


Fig. 3-I(a) Aura size

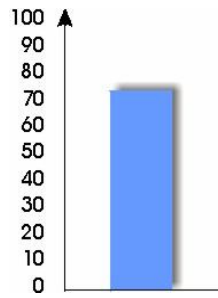


Fig. 3-I(b) Aura – chakra balance

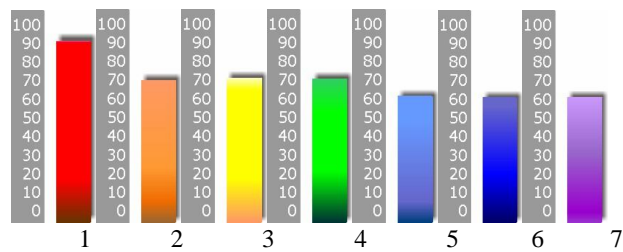


Fig. 3-I(c) The chakra energies

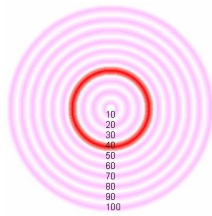


Fig. 3-II(a) Aura size

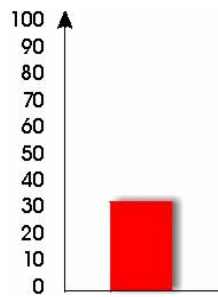


Fig. 3-II(b) Aura – chakra balance

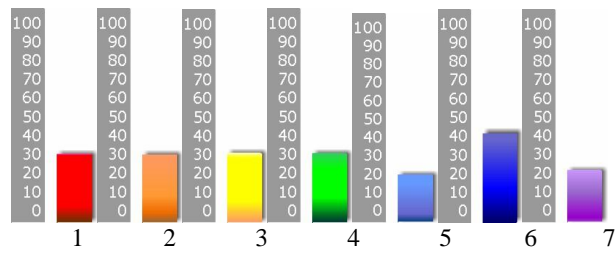


Fig. 3-II-(c) The chakra energies

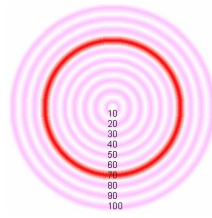


Fig. 3-III-(a) Aura size

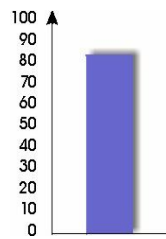


Fig. 3-III-(b) Aura – chakra balance

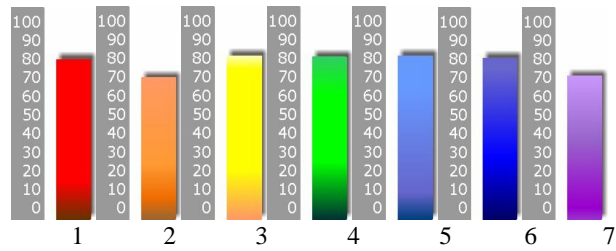


Fig. 3-III-(c) The chakra energies

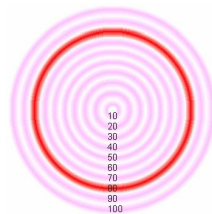


Fig. 4-I-(a) Aura size

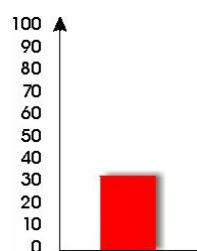


Fig. 4-I-(b) Aura – chakra balance

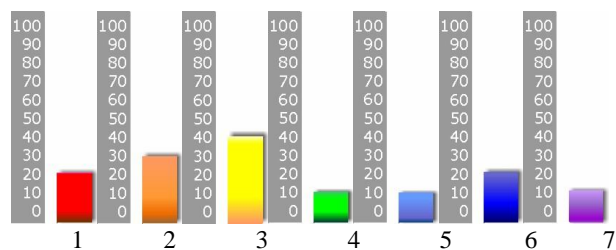


Fig. 4-I-(c) The chakra energies

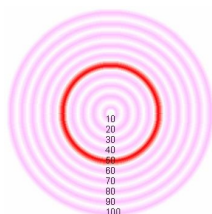


Fig.4-II-(a) Aura size

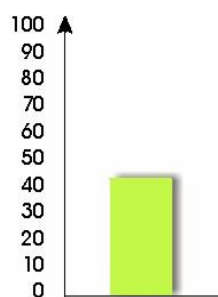


Fig. 4-II-(b) Aura – chakra balance

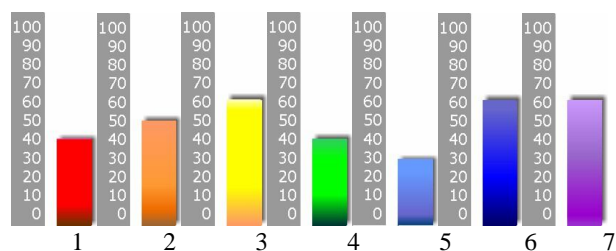


Fig. 4-II-(c) The chakra energies

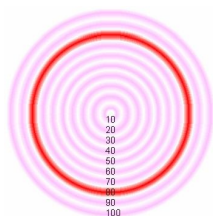


Fig. 4-III-(a) Aura size

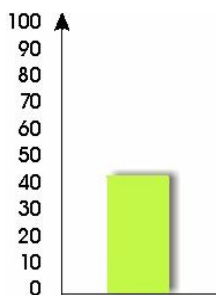


Fig. 4-III-(b) Aura – chakra balance

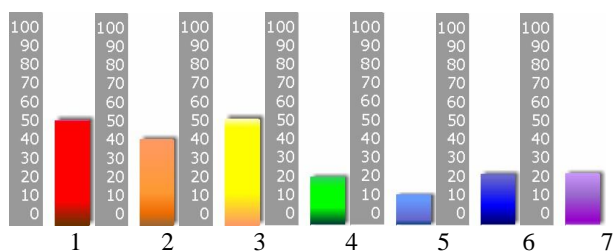


Fig. 4-III-(c) The chakra energies



Fig. 5. The photo of the Aaronia Spectran 5030 analyzer

In all the cases the aura size (as a) in all the figures) decreased after the $\frac{1}{2}$ hours of work without protection, but regained the initial size after bio-phyto-modulators protection.

The aura- chakra balance is disturbed in the case of live-line working without protection (as b) in all the figures) but becomes much better than the initial size in the first two cases of the persons protected by neutralizing modulators. In the third case, of the person protected by the regenerative modulators only, the balance remains lower than the initial one.

The chakras energies are decreasing after working without protection in all the three cases, but in the case of the first two persons protected by neutralizing modulators, the

energies are becoming much higher than the initial ones. In the third case of the person protected by regenerative modulators the energy situation becomes worse.

IGA-1 was used too in all the above cases (Fig. 6). It indicated the existence of negative torsion fields with bad impact over the health of the people working in those places, but after applying the neutralizing bio-phyto-modulators, the IGA-1 has practically shown the cancellation of the left torsion field (i.e. or at an intensity lower than the dangerous one, as explained in III).



Fig. 6. The photo of the IGA-1 analyzer

The second set of measurements was performed using the Methatron procedure on liver and gall. The Methatron procedure is a complicated one and its results have to be interpreted by physicians, but in this paper will be shown some of the results which look easy to be understood by peoples without a medical education. The analysis was done on the same three persons following the steps II (working without protection) and III (with protection). It has to be mentioned that in the resulting images of the liver and gall appear different geometric figures. In our cases three types: hexagonal- yellow , meaning a good health, triangle-up of orange color, meaning a satisfactory to good health and triangle- down of red- violet color meaning a satisfactory to bad health.

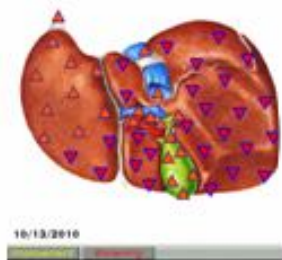


Fig. 7-(a) Liver and gall–first person - II

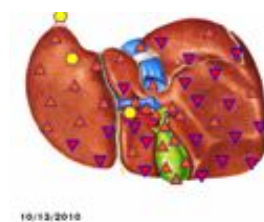


Fig.7-(b) Liver and gall–first person - III

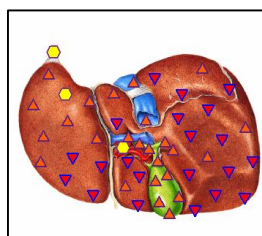


Fig. 8-(a) Liver and gall–second person–II

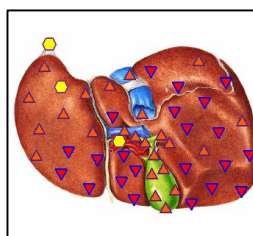


Fig. 8-(b) Liver and gall–second person-III

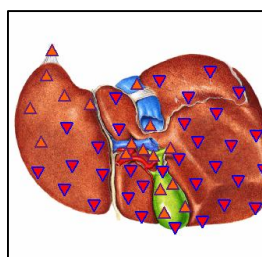


Fig. 9-(a) Liver and gall–first person – II

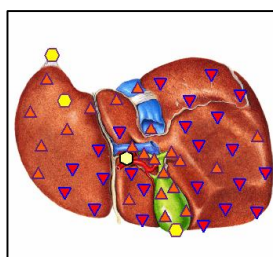


Fig. 9-(b) Liver and gall–third person - III

In the case of the first person (Fig. 7a and b) there is an improvement, but in the case of the second one (Fig. 8a and b) there is not. In the case of the third person (Fig. 9a and b) it occurs a good improvement.

It is a bit difficult to may get right conclusions on very few images, but the process is under development and many other live-line workers will be analyzed till the time of the conference and the results will be exposed at that time.

Anyhow, it results that the regenerative type of modulators is useful too and the neutralizing modulator can not act to all the persons as an instant regenerator of some tissues.

CONCLUSIONS

Human exposure to magnetic fields of low frequency, as is the case of industrial frequency stresses the human body by its torsion surrounding field. This is clearly evinced by the performed measurements on the aura size, the aura - chakra balance and the main chakra energies. The employment of neutralizing bio-phyto-modulators by applying them on the body

of the persons working live-line leads to a significant decrease of the effects of the magnetic field and of its torsion surrounding field, as results. These are neutralizing the torsion field and improve the energetic situation of the human body. The regenerative bio-phyto-modulators help the exposed body as resulted from the second set of analysis, even this effect was not complete showed in the first set of analysis.

Therefore it is proposed that all the live-line men to be protected by the both types of modulators.

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