



***Biological Effects of exposure to
Multiple Wave Oscillator Fields***

Fourth Edition

Tony Kerselaers

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Preface

Electrical and magnetic fields as well as electromagnetic radiation are a constant manifestation of processes and are essentially involved in all metabolic and information processes of a biological systems. A view bearing out that the state of health or sickness is directly related to the kin of radiation emitted by cells was developed by G. Lakhovsky in 1930. He built an electromagnetic signal generator which was capable of effectively restoring the normal functions of the organism. Lakhovsky's theory is based on very simple biological observations and basic radio technology. And although undoubtedly it is a great oversimplification of biological reality, it contains ideas which may be justified a posteriori on the basis of advances in biophysics. This theory may be reduced to the following statement: "each living being is simultaneously and emitter and receptor of electromagnetic radiation." The above statement was justified by this researcher in the following manner: in every living system and particularly within the cell (and its nucleus), we have the components of an electrical oscillator. These elements are composed of structures capable of gathering electrical charge (capacity C), and conducting parts responsible for induction (L). If there is an energy input into the system, either from nutritive compounds or from any other source, the system begins to oscillate with its own characteristic frequency. Illness, in Lakhovsky's view, is the transition of the entire system, or of its elements, into a state of disharmonic oscillations, and these perturbations, if not sufficiently attenuated, will extend to neighbouring parts, finally inducing the breakdown (illness and death) of the system.

According to Lakhovsky, the factors causing unbalanced out-of-tune oscillations are above all bacteria's which in their essence (as living beings) generate their own electromagnetic signals. The infection of an organism leads to a "radiation war", which may be lost by the organism. Another factor perturbing the harmony of electrical oscillations of the organism is a change in the chemical composition of the cells, which is the result of poor diet, environment and aging. The mechanism of cancer cell formation may be given as an example: a large amount of globulin is present in the blood of 40-50 year old persons. These compounds, apart from a large amount of added mineral substances, coexist with lecithin's, the chemical structure of which is related to that of cholesterol. Lakhovsky in his experiments attempted to show how high frequency radiation may extinguish low frequency radiation and shorter-wave signals propagate to neighbouring cells. The process of propagation is in fact the propagation of the cancer itself, which "tunes in" the neighbouring cells to its own frequency: it is a process of information transfer, rather than a transport of energy.

Author: Tony Kerselaers

About the Author



Tony Kerselaers is an Electrical Radio Engineer and graduated in 1980. He has been working for Philips Electronics for many years where he was involved in radio and antenna development. He works currently for NXP Semiconductors on innovative developments of wireless and antennas applications for health systems. Tony filed more than 40 patents in this field.

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