

Georges Lakhovsky

Georges Lakhovsky was born in 1869 in Russia and became an electrical engineer, scientist and inventor.

Lakhovsky investigated the electrical properties of living cells and claimed that living cells emit and receive electro-magnetic oscillations at their own high resonant frequencies.

Lakhovsky found that all living cells (plants, people, bacteria, parasites, etc.) possess attributes which normally are associated with electronic or electric circuits. These include resistance, capacitance, and inductance. These 3 electrical attributes, when configured properly, will cause the recurrent generation of a sine wave, exhibiting an effect of physics known as resonance. These circuits can be called electro-magnetic resonators, but more commonly are referred to as oscillators. Lakhovsky's research led him to believe that not only do all living cells produce and radiate oscillations of very high frequencies, but they also receive and respond to oscillations imposed upon them from outside sources. If these outside oscillations are in sympathy (same frequency) with that of the cell, the strength and vigor of that cell will be reinforced and become stronger. If, on the other hand, these outside frequencies are dis-similar, the oscillations produced by the cell will be weakened and dampened, resulting in a loss of vigor for that cell. The cells of disease-causing organisms produce different frequencies than that of normal, healthy cells in plants, animals, and people. For people or plants suffering from disease conditions, Lakhovsky found that if he increased the amplitude (not the frequency) of the oscillations of healthy cells, this increase would overwhelm and dampen the oscillations produced by the disease-causing cells, thus bringing about the demise of the disease-causing cells. If he pumped up the amplitude of the disease-causing cells, their oscillations would gain the upper hand and cause the person or plant to become more ill.

In the early 1920's, Lakhovsky conducted an experiment with plants to establish the validity of his theory. He inoculated ten potted geranium plants with a plant disease that causes cancerous tumors. Coiled around the stem of one of the geraniums, he affixed an open ended coil of thick copper wire about 30 cm in diameter. It was held in place by an ebonite stake stuck into the pot. While the other nine inoculated geraniums quickly succumbed to the cancerous disease, the one geranium with the attached coil (the 'antennae) sloughed off the cancerous growth and thrived into a robust and healthy plant. Lakhovsky had similar success when these antennae coils (the "oscillating circuits" mentioned above) were used with people and animals.

In 1923, Lakhovsky built what he called a Radio-Cellulo-Oscillator (RCO). This was a device that could produce electro-magnetic waves that were produced by a short wave radio circuit and output in the form of a radio emission. When Lakhovsky used his RCO on sick people, he found that the device could cause many types of diseases including cancer to disappear, although he also recorded some failures.

In 1925, Lakhovsky wrote an article for the Radio News magazine in the USA entitled "Curing Cancer with Ultra Radio Frequencies." In the article, he described his work with the Radio-Cellulo Oscillator and presented his theories.

After a few years of experimentation, Lakhovsky designed and built a new type of wave producing oscillator to overcome some short-comings in the RCO. Firstly, Lakhovsky was concerned that the radio waves produced by his RCO could be harmful and secondly, he wanted his device to be able to simultaneously emit a much wider band of waves. The device consisted of two broadband antennae (a sending and a receiving pair) composed of concentric sets of curved open-ended copper pieces suspended / held in place by silk threads and two metal stands to hold the two antennae. The electro-magnetic waves were produced by using a Tesla coil and electromagnetic spark / pulse generator. Lakhovsky called this new device a Multiple Wave Oscillator (MWO).

In 1929, Lakhovsky emigrated to France and he published his book titled *The Secret of Life: Electricity, Radiation and Your Body* (written in French). A few years later the book was translated into Spanish, German, and Italian, but it was not until sometime between 1935 to 1939 that the book was available in English. Due to the emerging drama of World War 2, the book went unnoticed and unreviewed in the English-speaking countries.

In 1931, MWO devices started to be used in various hospitals in Paris, France.

Also in 1931, Lakhovsky applied for a US patent for his MWO (No.1962565) and this was granted in 1934.



Lakhovsky (second from right) with a Multiple-Wave Oscillator in a French Clinic

During his lifetime, Lakhovsky was granted numerous patents involving waveform conversions ([2267353](#)), oscillator tubes for multiple wavelengths ([2351055](#)), improving microphones ([2263408](#), [1640330](#)), and railway construction ([909619](#), [786037](#), [1054570](#), [1028743](#), [1136427](#)).

Lakhovsky died in 1942 in New York City at the age of 72.

The MWO and other similar devices continued to be used in clinics throughout Europe after his death, but the technology seems to have been almost forgotten in America. After achieving a 98% success rate over an 11 year period, it's more than a bit curious as to why his work was suddenly withdrawn from use and patients told treatments were no longer available. Treatment using MWO's have been documented to be of value in treating cancer, arthritis, and other illnesses.

Lakhovsky's Multi-Wave Oscillator (MWO)

This instrument produces a broad range of high frequency pulsed signals that radiate energy into patient via two resonators: one resonator acting as a transmitter and the other as a receiver. The patient sits on a wooden stool in between the two resonators and is exposed to these energies for about 15 minutes.

Lakhovsky's goal when designing the Multiple Wave Oscillator was to produce and transmit a full spectrum of harmonic frequencies within the body, allowing each cell to resonate with the appropriate frequency.

Nikola Tesla and Lakhovsky, in collaboration, both produced high frequency coil systems, which resulted in the MWO. Both were building devices which emitted unique oscillations, which Tesla called non-Hertzian waves. Lakhovsky used a resonant, bi-polar Tesla coil as a power supply, which means one tuned, primary coil was used to place two distinctive secondary coils into resonance at the same time. A double spark gap (similar to using two spark plugs from an automobile) was used to produce the harmonics. The double gap was used to spread the discharge over two simultaneously sparking gaps to more precisely adjust the timing and consistency of the energy discharge. This is important because the spark gap is the point where the flow of energy is blocked while the discharge from the second spark gap is hitting the coils and antennas.

The spark gap is also an important component in Tesla technology because the specific character of the discharge across the gap may hold the key to producing the proper non-Hertzian component for optimum performance.

The oscillations of the resonant coils in Lakhovsky's MWO are coupled to a unique antenna, which consists of concentric rings of nearly complete circles. Lakhovsky's original antenna used hollow, tubular,

metallic elements. Each ring is tuned to a specific musical note. The outer ring starting with a "C", where the combined set of concentric rings produces a full harmonic scale. Each outer ring is harmonically coupled to one of the bipolar secondary coils, causing the entire set of rings on the antenna to oscillate. There are two antennas, placed a few feet apart to spread the harmonic energy between them. They produce a full scale of harmonics, generally above 500,000 Hz and reaching into the billions of Hz (Gigahertz). This huge amount of harmonic energy allows cells to regain their proper oscillation with incoming cosmic energy.

The person being treated sits in a wooden (non-metallic) chair between the antennas. Lakhovsky stated that approximately 15 minutes would produce roughly 90% of the benefit for an entire day. Another 15 minutes would add a bit more, but more time simply wasn't needed. Eight hours of use wouldn't produce a significant difference in results.

RADIATIONS AND WAVES - Source of Our Life

Article written by Georges Lakhovsky, 1941

THEORY OF CELLULAR OSCILLATION

Before presenting the therapeutic results obtained with my multiple short wave oscillator and presented at the International Congress of Short Waves in Vienna (July, 1937) it may be useful to give a rapid survey of my theory of cellular oscillation which I have developed fully in a number of books. [*The Secret of Life; Contribution to the Etiology of Cancer; The Earth and Ourselves; Cellular Oscillation; Nature and Her Wonders*]

All living cells are composed of two essential elements; the nucleus and the protoplasm in which it is bathed. This nucleus is itself composed of many tubular filaments: the chromosomes. In addition, hundreds of much smaller filaments or chondromes are present in the cytoplasm.

Chromosomes and chondromes are sheathed in an insulating substance (cholesterine, resin, fat, plastrin, etc.) and contain a liquid-like serum with the same mineral content as seawater, and consequently a conductor of electricity. Thus, these filaments constitute ultramicroscopic oscillating circuits capable of oscillating electrically over a wide scale of very short wavelengths.

I have demonstrated in my works that these cellular oscillating circuits, chromosomes and chondromes, vibrate electrically under the stimulus of electro-magnetic waves: cosmic, atmospheric and telluric.

Now, many internal and external influences may upset the oscillating equilibrium of these cells. For instance, a variation or change in the field of cosmic, telluric or atmospheric waves, a demineralization of the organic matter constituting the cellular substance, traumas causing the destruction by shock of the protoplasm or the nucleus.

I have shown in my books, *The Secret of Life* and especially in *The Earth and Ourselves*, that every living cell draws its oscillatory energy from the field of secondary radiations resulting from the ionization of the geological substances of the earth by cosmic radiations.

But certain natural radiations are particularly toxic, especially those originating in geologically-induced geopathic zones. Many cancer cases have been attributed to these toxic radiations which has been proven experimentally, notably in Germany by Dr. Rambeau of Marburg. Therefore, earth radiations sometimes cause disturbance of the cellular oscillatory equilibrium of the organism.

Under these varied circumstances cellular oscillation may cease; the cell is then dead. But within the dead cell, the chondromes sometimes continue to oscillate electrically on their own natural frequencies.

Fortunately, this phenomenon occurs rarely, or all humanity would already have perished from cancer. The chondromes then envelope themselves in a membrane and continue to oscillate and multiply independently of the cell. They may then become neoplastic cells.

THE RADIO CELLULAR OSCILLATOR

To re-establish this equilibrium, I thought of creating, in 1923, a constant compensating field of very short radiations (2 to 10 metre wavelengths) to neutralize the action of the disturbing rays, and give the living cell the necessary stimulation for a return to its normal oscillation.

To this end, in 1923, I constructed my short-wave oscillator, using two triode tubes for very short waves made especially for this apparatus. I tried several cross leakages for this machine using one or more tubes and then multiple triodes with a tube containing oscillatory circuits within the bulb. Finally I adopted the oscillator with symmetrical cross leakage comprising two triodes. The oscillating circuits formed a single spiral, branched between the two grilles and the two anodes. It was fed directly by alternating current from the local supply circuit.

With this short-wave apparatus I was able to cure plants inoculated with cancer. For six years at the Saltpetriere I observed and checked the effects of these short waves.

Using very low power, from 10 to 12 watts, and a limited duration of treatment, I succeeded in curing cancer in human beings, but also had to record some failures.

The news of the success of my experiments became widespread. In many countries, as early as 1928, they began to build short-wave oscillators of considerable power producing thermal effects.

But here was great danger that the chromosomes and chondromes, which are barely a ten-thousandth or twenty-thousandth of a millimeter in thickness, might not survive under a high frequency current. They offer much resistance, even to a low current which is sufficient to dissolve and destroy them.

It is simple to prove this by bringing a small bulb of from 2 to 5 volts with a filament of several hundredths of a millimeter, inserted between metal rods forming antennas, within the radius of a short wave transmitter. The bulb will light up and sometimes burn out, if it is brought too near the apparatus.

Moreover, the chondromes and chromosomes of all living cells, which are infinitely finer than the filaments of the bulbs, are sensitive centers of thermal phenomena, which may provoke their fusion. Undoubtedly this method is effective in killing microbes in the organism and in neoplastic cells. But it can also destroy millions of cells of healthy tissue in every irradiation.

THE MULTIPLE WAVE OSCILLATOR

On the other hand, I thought it possible to obtain better results by administering an oscillatory shock to all the cells in the organism simultaneously. Such a shock, very brief, produced by dampened or weakened electrostatic waves, does not provoke thermal and prolonged effects and involves no risk of burning living cells.

I therefore sought to produce an artificial oscillatory shock causing a periodic oscillation of the weak or dead cells.

At first glance this problem seems physically in-soluble as there are approximately 200 quintillion cells in our bodies, each oscillating on its own natural wavelength. Theoretically, therefore, we would have to have a different wavelength for each cell, so that every cell in the organism would oscillate in resonance on its own wavelength.

After much research I was able to construct an apparatus creating an electrostatic field covering all frequencies from 3 metres to the infra-red, so that every cell can find its natural frequency and vibrate in resonance.

We know that in physics, a circuit fed by damped or weakened high frequency currents creates many harmonics. Consequently, I conceived an oscillator of multiple wavelengths with a broad scale in which every organ, every gland, every tissue, every nerve, could find its natural frequency.

To obtain this result I set up a transmitter composed of a series of circular concentric oscillating circuits linked by a silk cord but not contiguous. These circuits are stimulated by damped high frequency

currents from a spark gap. Thus each circuit of the transmitter vibrates not only on its natural frequency, but also on numerous harmonics.

Thus, I built an oscillator with all the basic wavelengths from 10 centimetres to 400 metres, that is, all frequencies from 750,000 to 3,000,000,000 cycles per second. But each circuit also emits many harmonics, which, with their basic waves, their interferences and their effluvia can reach the scale of infra-red and even that of visible light (1 to 3000 trillion vibrations per second.)

Since all the cells as well as the chondromes oscillate precisely at frequencies in that range, they can therefore find, in the output of such an oscillator, the frequencies which cause them to vibrate in resonance.

You know the results I obtained with continuous very short waves using triode tubes at a distance, with no contact electrode....

As early as 1931, I began using this multiple wave oscillator in various Paris hospitals: the Saint Louis, Valde-Grace, Calvary, Necker, etc... Among the many cures with this treatment, I will mention especially those of various cases of cancer which X-ray and radium treatments failed to improve. These patients, cured six years ago, have had no recurrence and are in perfect health at this date. In all pathogenic cases this treatment gives very good results. As it does not attack the microbes directly, it does not destroy live tissue, but reinforces the vitality of the organism by accelerating cellular oscillation. It is therefore the reinforced organism that successfully resists the microbes and all pathogenic causes.

So, while X-rays and radium destroy microbes, neoplastic cells and healthy tissue at the same time - which accounts for the serious accidents which occur during and after such treatments --high frequency radiations (short waves) applied at a distance and without thermal effect cure diseases of all kinds, even those of the prostate to a considerable degree.

Whatever the pathogenic cause, the multiple wave oscillator reproduced the frequencies necessary to re-establish the cellular oscillatory equilibrium.

In general, it is sufficient to seat the patient, or to have him stand in the radius of the apparatus, before the transmitter. The duration of the treatment is usually from five to ten minutes, every other day. These figures are purely arbitrary, since these radiations reinforcing cellular oscillation do not produce organic disturbances, whatever the duration of the treatment may be.

Despite the many cases successfully treated, almost without exception, it must be understood that my oscillator cannot cure all types of cancer in all its stages of development. In many cases, when the cancerous tumor has already destroyed important blood vessels, my apparatus is powerless to rebuild that tissue before the fatal haemorrhage.