

## Tesla and Lakhovsky

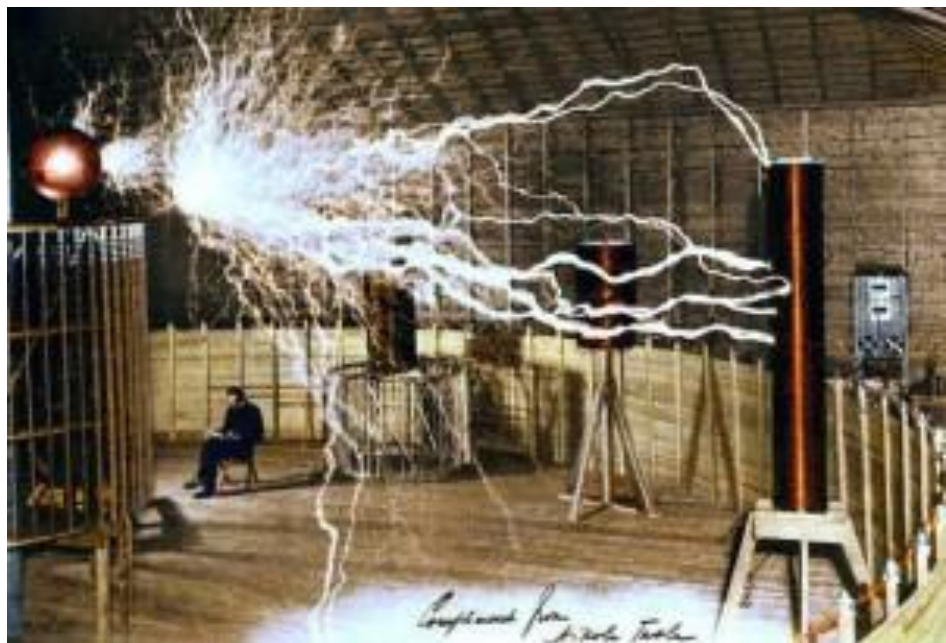
*Nikola Tesla & Georges Lakhovsky* Greatest Electrical Pioneer of all was Nikola Tesla, who was brilliant inventor despite the fact that he had little formal education. Nikola (1856-1943), electrical inventor, was born in Yugoslavia, educated at the polytechnical school at Graz and at University of Prague. He conceived new type of electric motor having no commutator, as d.c. motors have, but works on principle of rotating magnetic field produced by polyphase alternating currents.

Constructing a prototype, he found nobody interested in Europe. Emigrated to U.S. 1884 and worked briefly and unhappily with Thomas Edison. He established own lab and obtained patents on polyphase motors, dynamos, transformers for a complete a.c. power system. He formed an alliance with George Westinghouse, who bought polyphase patents for \$1 million plus royalty. With Westinghouse, engaged in struggle against Edison to convince public of efficiency and safety of a.c. over d.c. He succeeded in getting a.c. accepted as the electric power system worldwide which remains to this day.

Also with Westinghouse, he lit the Chicago World's Fair with fluorescent lamps, he built Niagara Falls hydropower plant, and installed systems at Colorado silver mines, other industries. By turn of the century was lifted to celebrity status comparable to Edison's as media promoted him along with the expanding electric power industry. Experimenting independently in his Manhattan lab, he developed and patented scores of electric devices based on his superior capabilities of *high-potential, high-frequency currents*: Tesla coil, radio, high-frequency lighting, x-rays, and most importantly germane to our topic – electrotherapeutic devices.

### *Nikola Tesla inside Colorado springs station.*

His High-frequency inventions were ignored by established technology, as were disk turbine, free-energy receiver, other inventions. Shut out by media except for birthday press conferences. At these predicted microwaves, TV, beam technologies, cosmic-ray motor, interplanetary communications, and wave-interference



devices that since have been named the "Tesla howitzer" and the "Tesla shield." In the 1930's he was involved in wireless power projects in Quebec. His last birthday media appearance was in 1940. He died privately and mysteriously at 87 in New York hotel room from no apparent cause. Personal papers, including copious lab notes, impounded by U.S. Government, surfaced many

years later at a Tesla Museum in Belgrade , Yugoslavia . Of these notes, only a fragment, Colorado Springs Notes, has been published by the Museum.

Another one of the electrical engineers was a Russian emigrant, Georges Lakhovsky who made observations of the effects of electricity and radio waves on living organisms. His first book, **THE SECRET OF LIFE**, was first published in 1935 during the same month Hitler drove his hordes into Prague . The book appeared later in Spanish, French, Italian, and finally in English.