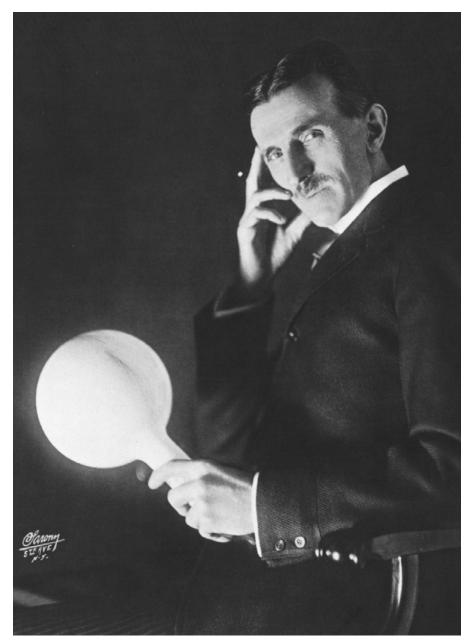


## Tesla And The Quest For Healing Light



Tesla holding a bulb that is being illuminated by wireless high-frequency currents

## Anadi Martel

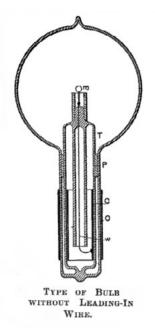
When Tesla presented his famous lecture "Experiments With Alternating Currents of Very High Frequency" before the American Institute of Electrical Engineers in 1891, lighting a bulb similar to the one you see here just by holding it in his hand, he created a sensation that reverberated throughout the scientific world of the time. It was a time in many ways simpler and more open than ours, as far as the marvels of electromagnetism were concerned. It was only a few years earlier, in 1861, that James Clerk Maxwell published his now famous equations describing the detailed interactions of electricity and magnetism. How amazed Maxwell must have been when out of them came the clear description of unknown waves of alternating fields that could propagate indefinitely in space, at precisely the same speed as that of light measured for the first time a few years before by Fizeau and Foucault! Light itself was therefore an electromagnetic wave, of the same nature as all others in this vast spectrum which we now know spans more than 70 octaves, from radio waves up to super-energetic gamma rays. And it was barely 4 years since Heinrich Hertz's 1887 generation of the first electromagnetic wave using a simple oscillator.

The field was still nearly virgin, with few preconceptions to encumber a genius probing mind such as Tesla's, and no self-imposed limits as to what was possible. Today's accepted scientific dogmas (and there are plenty, notwithstanding belief to the contrary by the "scientifically-correct" well-thinking majority) preclude even imagining many of the wilder ideas Tesla freely explored, such as his dream to solve "The Problem of Increasing Human Energy" by providing universal, freely-available, wireless power.

In his 1891 lecture, Tesla describes the practical use of oscillators operating at millions of cycles per second: how much has already been accomplished since Hertz's basic discovery 4 years earlier. He in effect created this new domain of high-frequency electricity, and quickly realized that high-voltage, high-frequency fields had remarkable light-producing capabilities. By the time of his historic AIEE address, he had experimented with a wide variety of bulb configurations, gas mixtures, electrode compositions,... And he could light up his "bulb without leading-wire" just through electrostatic transfer from his hand, while being himself linked to a high-voltage wire.

Tesla always had a humanitarian side and explored many ways of using electric fields and light for healing purposes. He also never lost his sense of wonder at the beauty of the natural phenomena he was uncovering, which can be felt in some of his descriptions such as this one: "...during the process of fusion magnificent light effects were noted, of which it would be difficult to give an adequate idea ... an intensely phosphorescent, sharply defined line ... is produced, which spreads slowly over the globe as the drop gets larger ... small bubbles and cavities are formed, which cause dark colored spots to sweep across the globe..." Obtaining such exquisite results of course required countless trial and errors, with experimental set-ups nearly impossible to reproduce outside of his lab. But it is an apt inspiration for creating new, "magnificent" health-inducing light sources using today's technology, which has guided my personal exploration leading to instruments such as the Sensora and the SensoSphere.

The link goes further: in the course of his quest to transmit wireless energy around the world, Tesla worked out that the Earth's atmosphere would have a global resonance field around 8Hz. It was not until 1952 that the physicist W.O. Schumann actually measured it, finding an average value of 7.83Hz. This universal resonance, which has permeated our world during life's evolution for billions of years and to which we are therefore finely attuned, produces particularly pleasant and harmonizing sensations when embedded in light sources, such as in the SensoSphere. Would Tesla have been surprised to see how far his ideas could reach and inspire future generations, in both great and small ways?





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