

## Nikola Tesla The Forgotten Father of Today & Tomorrow

**Plasma International works frequently with high frequencies and high voltages, and thus we are frequently referencing the theories of the original and only "mad scientist" Nikola Tesla and the thoughts of his best friend, Mark Twain.**



The life and work of Nikola Tesla is in the focus of interest above all for his ingenuity and contribution to world science and engineering. Had the alternating electric current system been the only thing he ever invented, the name of Nikola Tesla would still remain permanently inscribed on the list of the most renowned people whose work has been of pivotal importance for the development of civilization. Moreover, knowing that Tesla invented or theoretically anticipated almost all technical devices people are using today, with which he helped usher in the Second Industrial Revolution, his role becomes immeasurable. Tesla wrote more than 1800 patents, most now "missing". **See 113 Tesla patents doc.** Tesla gave us alternating current and the first hydro-electric dam powered from Niagara Falls

Nikola Tesla was likely the first one to discover the electron, despite credit going to British J.J. Thomson, Tesla actually wrote to Johnson some 5 years earlier in 1891 saying his experiments prove the existence of charged particles ("small charged balls"). Joseph Swan, an English physicist invented the light bulb before Thomas Edison who swindled Tesla out of \$50,000 and tried to destroy Tesla and stop use of the superior ac systems invented by Tesla. Edison who commissioned the invention of the electric chair to frighten people away from

Tesla's AC system. Edison began by electrocuting dogs and cats. He used to pay boys five dollars for every dog, cat, puppy or kitten they brought him. He fried a monkey and an Elephant as well see: [www.youtube.com/watch?v=fHQeORzeclY](http://www.youtube.com/watch?v=fHQeORzeclY) That wasn't satisfactory, so he decided to electrocute a condemned man. Actual inventor was Howard Brown, as usual Edison claimed the patent and then proceeded to torture William Kemmler, a condemned murderer with a thick German accent, to death. First Edison administered an initial burst for 17 seconds, when that did not work he put the machine on for three and a half minutes until the man's backbone burst into flames and he virtually burnt to death. A famous *New York Herald* piece described the smoke, the flames, and the smell: "Strong men fainted and fell like logs on the floor." Tesla refused to receive the Nobel prize because he was told he would have to share it with Edison. Consequently Edison never got a Nobel prize.

Tesla invented radio, as soon as Tesla was dead and buried (1943), the Supreme Court of the USA overturned Marconi's patent of modern radio in favour of Nikola Tesla. Despite the Supreme courts ruling, most people remain ignorant to this and we continue to corrupt young minds with false history and false science. Marconi of aristocratic Illuminati decent was simply J P Morgan 's fag that copied Tesla.

**The True story of Radio** - With his newly created Tesla coils, the inventor soon discovered that he could transmit and receive powerful radio signals when they were tuned to resonate at the same frequency. When a coil is tuned to a signal of a particular frequency, it literally magnifies the incoming electrical energy through resonant action. By early 1895, Tesla was ready to transmit a signal 50 miles to West Point, New York... But just before he did it disaster struck, yeah, guess what? A building fire consumed Tesla's lab, destroying nearly all of his work...wonder who started that fire.

The timing could not have been worse. In England, a young Italian experimenter named Guglielmo Marconi had been hard at work building a device for wireless telegraphy. The young Marconi had taken out the first wireless telegraphy patent in England in 1896. His device had only a two-circuit system, which some said could not transmit "across a pond." Later Marconi set up long-distance demonstrations, but using a Tesla oscillator to transmit the signals across the English Channel.

Tesla filed his own basic radio patent applications in 1897. They were granted in 1900. Marconi's first patent application in America, filed on November 10, 1900, was turned down. Marconi's revised applications over the next three years were repeatedly rejected because of the priority of Tesla and other inventors.

The Patent Office made the following comment in 1903:

Many of the claims are not patentable over Tesla patent numbers 645,576 and 649,621, of record, the amendment to overcome said references as well as Marconi's pretended ignorance of the nature of a "Tesla oscillator" being little short of absurd... the term "Tesla oscillator" has become a household word on both continents [Europe and North America].

But no patent is truly safe, as Tesla's career demonstrates. In 1900, the Marconi Wireless Telegraph Company, Ltd. began thriving in the stock markets—due primarily to Marconi's family connections with English aristocracy. British Marconi stock soared from \$3 to \$22 per share and the glamorous young Italian nobleman was internationally acclaimed. Both Edison and Andrew Carnegie invested in Marconi and Edison became a consulting engineer of American Marconi. Then, on December 12, 1901, Marconi for the first time transmitted and received signals across the Atlantic Ocean.

Otis Pond, an engineer then working for Tesla, said, "Looks as if Marconi got the jump on you." Tesla replied, "Marconi is a good fellow. Let him continue. He is using seventeen of my patents."

But Tesla's calm confidence was shattered in 1904, when the U.S. Patent Office suddenly and surprisingly reversed its previous decisions and gave Marconi a patent for the invention of radio. The reasons for this have never been fully explained, but the powerful financial backing for Marconi in the United States (J.P.Morgan & Henry Ford) suggests one possible explanation.

Tesla was embroiled in other problems at the time, but when Marconi won the Nobel Prize in 1911, Tesla was furious. He sued the Marconi Company for infringement in 1915, but was in no financial condition to litigate a case against a major corporation. It wasn't until 1943—a few months after Tesla's death—that the U.S. Supreme Court upheld Tesla's radio patent number 645,576. The Court had entirely financial & selfish reasons for doing so. The Marconi Company was suing the United States Government for use of its patents in World War I. The Court simply avoided the action by restoring the priority of Tesla's patent over Marconi. I guess that's called 'American Justice'.

**Hollywood** is where it is because independent moviemakers moved West to escape the Edison Movie Monopoly and his thugs that would violently attack family and friends if you went against him. Only the independent William Fox was brave enough to stand up to Edison's "Motion Picture Patents Company" and his violent bullying tactics, allegedly.

**The American Evil still continues** - the family of Thomas Edison continue to perpetuate history based on lies, corruption and bullying, they attacked and delayed indefinitely the release of a film by British Ken Russell that portrayed Edison as a ruthless sadist intent on destroying his closest rival, Tesla. Mr Russell's film biography of Nikola Tesla, also undermined Edison's claim to be the father of electricity and provided a very different picture of one of America's most revered heroes. Edison's relatives were, in particular, angry that the film showed Edison presiding over the first public electrocution of a prisoner, purely for commercial gain, allegedly.



I have been looking for several years and I cant find anything that Edison actually invented. Instead, it's really easy to find things that others invented that Edison took credit for, patented and then prevented anyone else from competing against him. Recorded sound was invented by Édouard-Léon Scott de Martinville, a Parisian typesetter and tinkerer who went to his grave convinced that credit for his breakthroughs had been improperly bestowed on Edison. A 10 second recording of a song was made 17 years before Edison got his patent. While there's every reason to believe Edison copied the idea from Scott, that doesn't seem to matter to patent system defenders who usually insist that any infringement is stealing. No American will admit that their hero was a thief, that's why Scott, Swan and Tesla remain unknowns, cheated and robbed by Edison, allegedly.

(Single Pictures Joseph Swan, English Physicist who invented the light bulb and Édouard-Léon Scott de Martinville French Experimenter who invented the phonograph).



Edison, Einstein and the Smithsonian perspective - "There's nothing there, no ether, no Tesla, just complex ways of making violent forces." However, see : <http://www.youtube.com/watch?v=yH9vAldMqng&NR=1> & <http://www.youtube.com/watch?v=KT7xJ0tjB4A> & [http://www.youtube.com/watch?v=AU8Pid\\_6xec](http://www.youtube.com/watch?v=AU8Pid_6xec)

*"Any intelligent fool can make things bigger, more complex, and more violent. It takes a touch of genius and a lot of courage to move in the opposite direction".* That was a quote from Albert Einstein. Tesla had nothing but contempt for the "physics" of Einstein. He absolutely believed in the ether and the possibility of taking electricity out of this ether without splitting the atom and causing dangerous radiation. Tesla didn't think about splitting these atoms to obtain enormous power in such a dangerous manner. He knew that his system of wireless transmission harnessed to Niagara Falls was a safe template to be copied again and again to provide all the safe, clean power that was necessary to run the modern industrial world.

At the beginning of the war, the US government desperately searched for a way to detect German submarines. Unfortunately they put the Edison in charge of the search. Tesla proposed the use of energy waves - what we know today as radar - to detect these ships. The jealous Edison immediately and automatically rejected Tesla's idea as completely ludicrous and consequently thousands, possibly millions, of people in the free world died unnecessarily, allegedly.

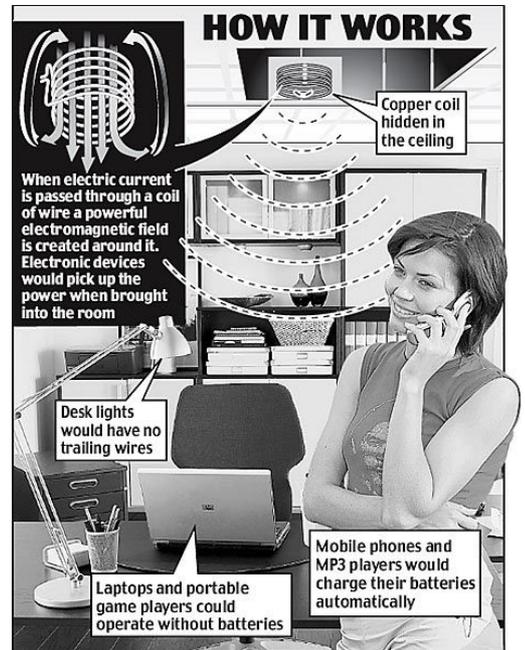
If Oersted discovered the magic doorway that would lead to the age of electric power, it was Faraday who unlocked the door. His public wondered what use could possibly come from producing a small current by moving a magnet near a length of wire, the Genie still needed to be tamed to become man's tireless servant. Faraday understood the far-reaching possibilities and is said to have replied: "What is the use of a new-born baby?" Further example of Faraday's wit is in English folklore. The Prime Minister is said to have asked him what use could be made of his discoveries. Faraday allegedly responded, "Someday it might be possible to tax them." Yeah, it was an Englishman that started it all.

Not only did Tesla finish the work started by Oersted and Faraday in the area of AC power, he also finished the work of Maxwell and Hertz in the area of high frequency phenomena, radio.

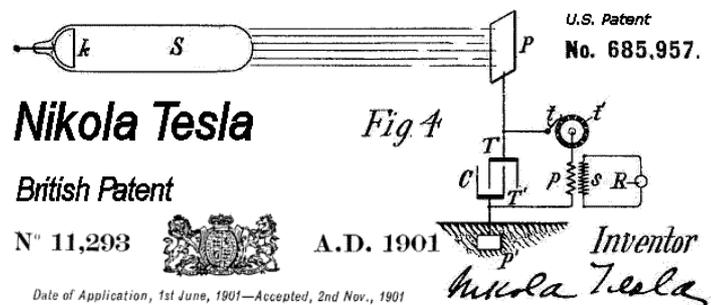
A few of Tesla's inventions:

1. Tesla Coil & auto ignition system
2. AC induction engine (no carbon brushes)
3. Solar powered engines
4. Transmitting Power without Wires (called WiTricity in 2007)
5. Seeing by Telephone and wirelessly (TV & Radio)
6. A Means of Employing Electricity as a Fertiliser
7. Fluorescent Lighting & neon lights.
8. Specialized lighting and a precursor to the X-ray machine
9. Vertical Take Off and Landing (VTOL) aircraft
10. Terrestrial Stationary Waves
11. Robotics
12. Meters
13. Valvular Conduit
14. Earthquake Machine
15. Magnifying transmitter
16. Laser
17. Death Rays
18. Thermo-Electric Power
19. X-Ray machine
20. Radar
21. Electrotherapeutics and Bionics
22. Computing Logic Circuits/Remote Control/Communications
23. Bladeless Turbine
24. Sun Tower

In the past NASA used a 12 mile long wire, it charged freely from the potential electricity in the area above the magnetosphere. Tesla knew this, and NASA used his research to launch STS 75.. The tether incident of STS 75 launched in 1997 proved the fact that electricity can be produced in abundance for free, unexpectedly it produced many, many more times the voltage than was originally expected, and calculated. All this power was free energy, the technology was theorized by the man of light himself, Nicola Tesla. "All matter comes from a primary substance, the luminiferous ether," stated Nikola Tesla. He sensed the universe was "composed of a symphony of alternating currents with the harmonies played on a vast range of octaves,.". To explore the whole range of electrical vibration, he sensed, would bring him closer to an understanding of the cosmic symphony. Tesla understood that the cosmic symphony is resonance. Nothing exists in the Universe that does not have harmonic vibration. See the HAARP weather machine.



**Tesla Taps the Cosmos** Tesla's patents in this direction are based on alleged discovery by him that when cosmic rays or radiations are permitted to fall upon or impinge against an insulated conducting body P connected to one terminal of a condenser, such as C in Fig. 4, while the other terminal of the condenser is made by independent means to receive or carry away electricity, a current flows into the condenser so long as the insulated body P is exposed to such rays; so that an indefinite, yet measurable, accumulation of electrical energy in the condenser takes place. This energy, after a suitable time interval, during which the rays are allowed to act in the manner aforementioned, may manifest itself in a powerful discharge, which may be utilized for the operation or control of a mechanical or electrical device consisting of an instrument R, to be operated and a circuit-controlling device d (Fig. 4).



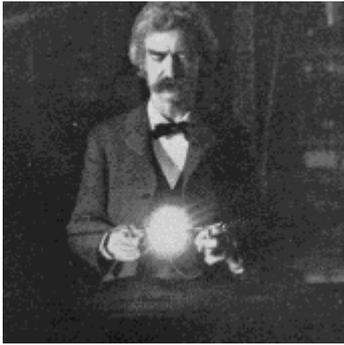
Tesla bases his theory on the fact that the earth is negatively charged with electricity and he considers same to act as a vast reservoir of such a current. By the action of cosmic rays on the plate P there is an accumulation of electrical energy in the condenser C. A feeble current is flows continuously into the condenser and in a short time it becomes charged to a relatively high potential, even to the point of rupturing the dielectric. This accumulated charge can then, of course, be used to actuate any device desired.

An illustration of a proposed form of apparatus which may be used in carrying out his discovery is referred to in Fig.4.

Centre to Tesla's Letterhead was the antenna of Tesla's "World's radio station" which he constructed in Long Island in the vicinity of New York, it testifies his farsightedness and ingenuity. His idea was that this station, build in 1900 should by remote wireless control transmit throughout the



world not only the news but music and photographs as well. However, that great plan could not be carried out because when it was realised free unmetered energy could be made available to everyone Tesla's funding was terminated and his tower was destroyed. In 1960 the International Commission for Electrical Engineering, at its session in Philadelphia decided that the unit of magnetic induction is to be universally called "tesla". So once Tesla was well and truly dead and buried he was quietly included amongst the most outstanding scientists such as Volta, Ampere, Faraday, Kelvin and others.



Tesla had a several friends including possibly only one scientist, Elmer Sperry and several non-scientific friends the closest of which was probably Twain pictured here with one of Tesla's lamps in his laboratory.

<http://zeitgeistmovie.com> a movie to watch if you like the writings of Mark Twain.

Horus is reputed to have built a pyramid tower before Tesla.

**Electrotherapeutics** - Nikola Tesla discovered that alternating currents of high frequency (10kHz or greater) could pass over the body without harm. In fact, levels of electrical energy that would prove fatal at a reduced frequency could be tolerated when the frequency was above 10kHz.

During his lecture before the American Institute of Electrical Engineers (AIEE) at Columbia College on May 20, 1891, Tesla predicted that medical use would be made of this phenomenon. A year later, d'Arsonval independently reported similar observations on the physiological effects of high frequency currents before the Society of Biology in Paris. In early 1892, Tesla met d'Arsonval on a lecture tour of France where Tesla was pleasantly surprised to find that d'Arsonval used his oscillators to investigate the physiological effects of high frequency currents.

It is clear from Nikola Tesla's lectures and publications beginning in 1891 that he was the first to discover that radio frequency (rf) currents could be employed safely for therapeutic benefits, Tesla also suggested that rf currents could be used for other medical purposes--the sterilization of wounds, as an anesthesia, for stimulation of the skin, and to produce surgical incisions. As Patton H. McGinley, Ph.D., of the Emory Cancer Clinic has stated: *History has not been kind to Tesla in the sense that the credit for all of the pioneering work in the field of electrotherapy has gone almost exclusively to d'Arsonval.*

May be many of the facts behind electrotherapeutics should be general knowledge for a number of reasons. As in any other field, there are unscrupulous people who exploit the fears and illnesses of others for financial gain. As a general rule, facts which would prove to be of benefit to society need to be broadcast openly and widely. Electrotherapy, which Tesla pioneered, surely needs to be looked upon once more as a viable alternative in modern medicine beginning with a calm, unbiased (not manipulated by the world dominating drug companies) scientific study,.

### Logic Circuits/Remote Control/Communications

Tesla was a pathfinder in rf communication and communication theory. In the early 1890s, Tesla entertained the scientist and general public alike with his demonstrations of high frequency, high voltage experiments. This type of electricity was virtually unheard of, indeed, even unimaginable, before Tesla developed the Tesla coil and demonstrated it before the IEE at an 1891 lecture in London, England.

Tesla's experiments with high frequency, high voltage electricity continued throughout the decade. During this period, he invented several types of lights based on this unique power source. In fact, he utilized fluorescent lighting in his laboratory thirty years before it was to be in general use in industry. Tesla proved the theory mathematically and the practise with physical demonstration that wireless power was possible.

In 1898, at Madison Square Gardens he publicly demonstrated a remote control submersible boat that utilized logical circuitry. This clearly established that Tesla was a man years-decades-ahead of conventional science and technology! In this amazing feat of engineering, he incorporated the use of AND gates (logic circuits), digital communication, electromechanical interfacing (robotics), and radio, all of which were virtually undeveloped (and unimaginable) at the time! Despite the Madison Square demonstration, the U.S. Navy turned its back on Tesla's invention at the time because it was too advanced for them to comprehend and Edison had convinced them it was a trick.

### Wireless Transmission of Power

Tesla considered his crowning achievement to be the wireless transmission of power at Colorado Springs in 1899. In 1900, upon his return to New York, *Century Magazine* published Tesla's article, *The Problem of Increasing Human Energy* which was amply illustrated with photos from Tesla's Colorado Springs lab.

Tesla's work in Colorado Springs allowed him to return to New York to pursue the next phase of the wireless technology development... the construction of a full scale transmitter at Wardenclyffe on Long Island. To do this required immense amounts of money... money which Tesla did not have at the time. To get the money, Tesla approached the one person in New York who would have the sums necessary... J. Pierpont Morgan.



In *The Problem of Increasing Human Energy*, Tesla laid out his vision for the evolution of power production and the furtherance of mankind. It is quite a remarkable philosophical work in that it gives us deep insight to Tesla's thought formation processes. Perhaps when J.P. Morgan read this fine essay, he realized how dangerous Tesla was to the status quo and decided to fund Tesla's work in order to control the direction that Tesla's work took. Russian Tesla Coils <http://fishki.net/comment.php?id=21722>.

Unfortunately, Tesla's funds were cut halfway through the project, the conflicting interests of Morgan meant that not only did he refuse to further fund Tesla's work, but black listed him also, thus stunting any attempts Tesla made to obtain funding from other sources. Tesla was forced into bankruptcy and his beloved Wardenclyffe tower was destroyed on the pretext of "national security!" Bankrupted and cut off from funds, Tesla nevertheless continued his work including a new field...

*mechanical engineering*. see bladeless turbine

#### **Means of Employing Electricity as a Fertiliser**

Not the least ingenious of Tesla's great schemes is was an invention to fertilise impoverished land by electricity. No longer would it be necessary for the farmer to spend half his year's receipts in purchasing fertilisers, he only had to buy an electric fertilizer machine of his own. Dumping a few loads of loose earth into the fertiliser machine, it comes out at the other end, ready to be spread over the surface of the impoverished ground, where it will insure for the following season the luxurious crop of the virgin soil.



The explanation which Tesla gave of just why so simple a piece of work should be productive of such wonderful results is not difficult to comprehend. " Everyone knows," said Tesla, " that the constituent of a fertiliser which makes the ground productive is its nitrogen. Everybody knows also that nitrogen forms four-fifths of the volume of the atmosphere above that piece of unfruitful land. This being the case it occurred to me: 'Where is the sense in the farmer buying expensive nitrogen when he has it free of cost at his own door? All the agriculturist needs is some method by which he can separate some of this nitrogen from the atmosphere above the ground and place it on the surface.' And it was to discover this means that I set to work."

As far as the non-technical eye can perceive, the working model of the electric fertiliser consists of nothing but an upright copper cylinder with a removable top, with a spiral coil of wire running throughout the length of the cylinder. Through the bottom of the cylinder are two wires, which connect with a specially constructed dynamo. A quantity of loose earth, treated by a secret chemical preparation in liquid form, is shovelled into the cylinder, a high frequency electric current is passed through the confined atmosphere; the oxygen and hydrogen are thus expelled, and the nitrogen which remains is absorbed into the loose earth. There is thus produced as strong a fertiliser for a nominal price at home, rather than purchase at a large cost miles and miles away.

#### **Tesla Bladeless Turbine**

In an effort to return to profitability, Tesla developed a new type of bladeless pump and turbine that would have reduced the conventional pumps and turbines to the scrap heap. His initial work at the Watertown Power Station in New York indicated that his method could take advantage of the latent power of vaporization by using saturated steam. Later, he worked with Allis-Chalmers engineers in Milwaukee to develop the turbine. However, internal friction led to the disruption of the project and it was abandoned. Scientists today continue to scour through his notes. Many of his far-flung theories are just now being proven by our top scientists. For example, Tesla's bladeless disk turbine engine, when coupled with modern materials, is proving to be the most efficient motor ever designed. His 1901 patented experiments with cryogenic liquids and electricity provide the foundation for modern superconductors. He talked about experiments that suggested particles with fractional charges of an electron - something that scientists in 1977 finally discovered - quarks!

Tesla was one of the world's most original and greatest inventors and thinkers, but because he was so original and out of his time, his genius was mistaken for insanity and science fiction. Tesla technology is still promising, it continues to run up against a wall of "organized opposition". Tesla was a true inventor in that he did not merely improve on existing technology, but instead he had a tendency to create entire new industries with his radical ideas. Although much of Tesla's work remains to be reconstructed, he will at least be an active topic of discussion well into the 21st century.