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# Energizer



NIKOLA TESLA

ZERO POINT ENERGY

RADIANT ENERGY

PRACTICAL GUIDE



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## Tesla Generator - Infinite Energy from Ether

👤 Re-programming Life 📅 1.year.ago 🗂 Generator, Nikola Tesla, Zero Point Energy

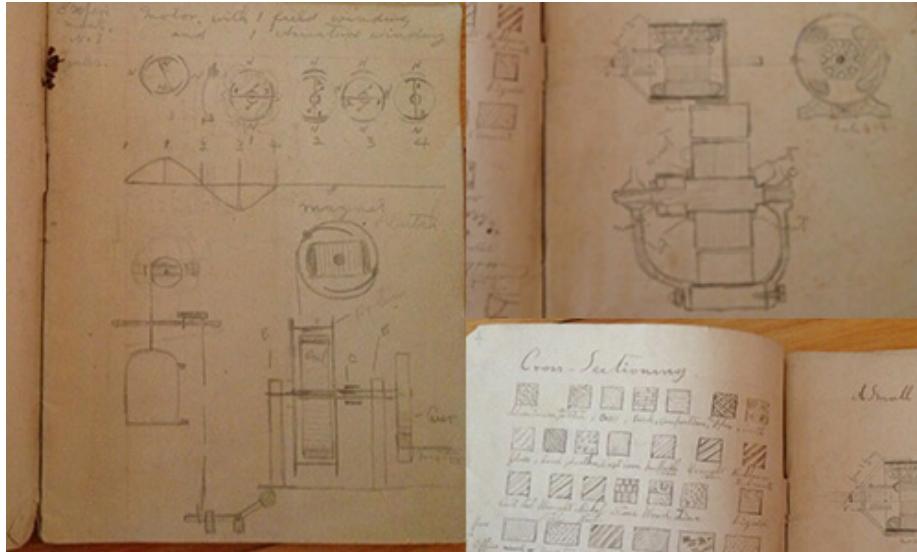
If you are looking for Tesla's own **Tesla generator** diagram, and scientists' ideas and workshops at the time before Wardenclyffe project ended, you have found the right place.

Main content:

- > Tesla Generator and Energy from Ether
- > Ether and story between Nikola Tesla vs Einstein

Tesla's free and endless power production project and financial tycoon Morgan are over, and all go into the mysterious history.

Tesla's free and endless power production project and financial tycoon Morgan are over, and all go into the mysterious history.



Inheritance manuscript of Tesla generator

## Tesla Generator and Energy from Ether

I am a person in the East, and admire Tesla, Einstein.

Tesla's view of spirit and energy is very similar to Eastern philosophy.

Oriental philosophy is known to two famous schools, namely Buddhism and Taoism. In fact, Buddhism involves philosophy and science - that's my personal opinion.

### Ether

Ether, or luminiferous Ether, was the hypothetical substance through which electromagnetic waves travel. It was proposed by the Greek philosopher Aristotle. Eric Weisstein's World of Biography and used by several optical theories as a way to allow propagation of light, which was believed to be impossible in "empty" space.

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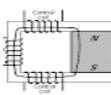
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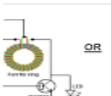
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Maxwell's mathematical studies of electromagnetism, ether was still assumed to be the propagation medium and was imbued with physics properties such as permeability and permittivity.

In 1887, a crucial experiment was performed by Michelson Eric Weisstein's World of Biography and Edward Morley Eric Weisstein's World of Biography in an attempt to detect the existence of the ether. The experiment, named the Michelson-Morley experiment in honor of its authors, shocked the scientific community by yielding results which implied the non-existence of ether. This result was later on used by Einstein to refute the existence of the ether and allowed him to develop special relativity without this artificial (and non-existent) constraint.

**The idea is that they are taking this energy from an Ether, a pre-physical realm and converting energy into a physical form.**

### Ether and Oriental philosophy - aṣṭa vijñānakāyāḥ

Buddhism does not establish an axiomatic system like mathematics. Everything is imperfect, even in reasoning. Buddhism preached by Shakyamuni Buddha is a doctrine, to eliminate the persistence of human thought, thought - the human mind is filled with false illusions, and need to eliminate it. The goal is to liberate suffering, see the truth (this world is created by the mind, and it is false), to stop samsara - samsara.

Enlightened people will see the truth, but only that person will be able to see it, even if they tell it to others, they will not understand.

In Buddhism, there is an information field, it produces everything, from being to not being, that is **aa vijñānakāyāḥ** (Eight Consciousnesses).

Only people who are enlightened can penetrate this field of information. All physical manifestations in this information field, even what is not fully understood, are the **Ether, quantum theory, relativity**.

Ether was born, as a good visualization of the inadequacy of quantum physics and relativity. Like the inclusion in mathematics, the Ether covers both relativity and quantum theory. Therefore, Ether is more like philosophy and spirituality than science.

This etheric energy, probably stemming from what some physicists call the zero point energy realm, which is a vast reservoir of untapped energy, is transformed into electromagnetic energy.

**The zero point energy** is understood as the information field of aa vijñānakāyāḥ.

Lao Tzu's Taoism also has many similarities to comparison with Ether, you can find out for yourself.

**Energy Radiant** from the universe and from the earth's core, is an expression of the **Ether**. It is the idea of Tesla's endless power exploitation.

### Tesla Generator

Tesla generators include power generation and power transmission. In this article, I will show you how **Tesla generators produce electricity**.

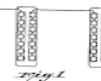
Two main power sources that Tesla generators operate:

1. Energy from the universe
2. Energy from the earth



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- The nature of electrical impulses to generate radiant energy US patent application US 20020125774...



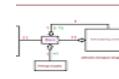
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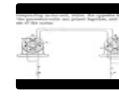
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Nikola Tesla generators are assigned to different names such as free energy, "zero point energy", etc. But in fact, free energy ...



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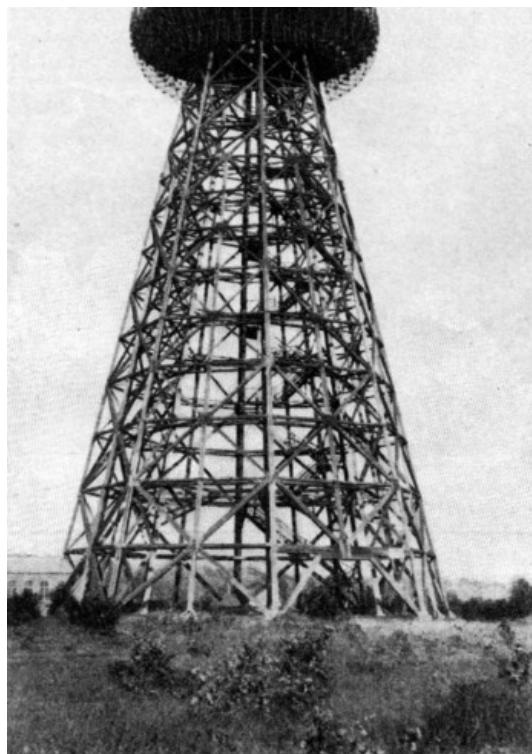
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It was a pyramid shaped tower having eight sides and rising 185 - 187 feet which would support on its top a 55 ton copper mesh dome. This dome was 68 feet in diameter and was to have been covered with copper sheeting to form a giant copper electrode elevated above the ground by the insulating wooden tower. It was designed so that every spar could be taken out at any time and replaced if necessary. The smallest section of the base was 97 feet and 154 feet from the base till the spherical metal dome.

#### Tesla And His Wireless Age - Popular Electricity - June 1, 1911:

"This tower is 185 feet high from the ground to the top of the cupola. The smallest dimension across the base of uprights is 97 feet. The height to the ledge of the cupola is 153 feet, while the cupola itself is 65 feet in diameter. The tower has eight sides, with a staircase and lift for reaching the cupola platform"

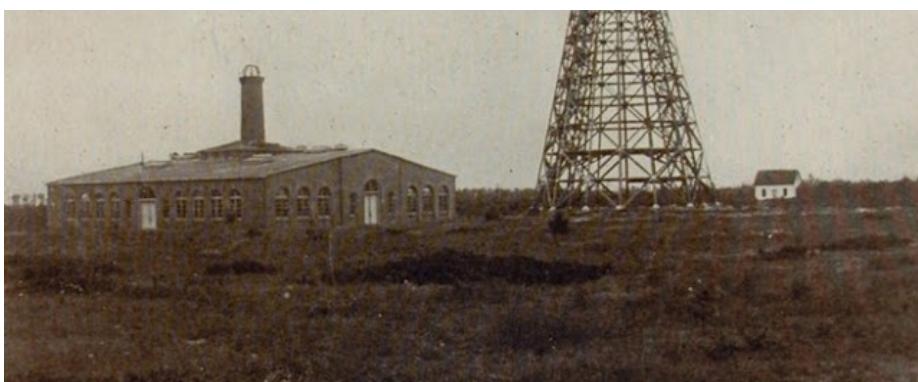


The tower was made out of large wooden beams joined together with copper gussets and approximately 50,000 bronze bolts (according to the source) which were assembled on the ground and hoisted up into position. No ferrous metals were used anywhere in the structure because of magnetic hysteresis which would cause heating and power loss. The sections were constructed on



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Tesla's short-term goal was to build a prototype world-system communications facility. This was intended as the first of many wireless plants that would be located near major population centers around the world. If the program had moved forward without interruption, the Long Island prototype would have been followed by additional stations, the first being built somewhere along the southern coast of England. By the Summer of 1902 Tesla had shifted his laboratory operations from the Houston Street Laboratory to the rural Long Island setting, and work began in earnest on development of the plant. The building was essentially completed and octagonal wooden tower had taken form. The 200 kW Westinghouse alternator was installed to power the system, with four large oil filled transformers as the high voltage supply. Four additional steel tanks contained condensers, and another a set of regulating coils. Designed by Tesla and Westinghouse engineers, two of these complex units were assembled. One was delivered to Wardenclyffe and the other was warehoused, presumably for future delivery to the second installation to be built across the Atlantic.

#### 1. Energy from the universe - Tower/antenna

Magnifying Transmitter Free Energy Device, Wardenclyffe Tower, 3d Vis...



The Wardenclyffe project was under construction by 1901 and probably the most difficult or challenging task was to build the giant tower which began in the summer of 1901 and it was finished by the early part of 1903. This was to be the actual Tesla Coil or Magnifying Transmitter.



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the current was to pass, and this shaft was so figured in order to tell exactly where the nodal point is, so that I could calculate every point of distance. For instance I could calculate exactly the size of the earth or the diameter of the earth and measure it exactly within four feet with that machine".

"And then the real expensive work was to connect that central part with the earth, and there I had special machines rigged up which would push the iron pipe, one length after another, and I pushed these iron pipes, I think sixteen of them, three hundred feet, and then the current through these pipes takes hold of the earth. Now that was a very expensive part of the work, but it does not show on the tower, but it belongs to the tower".

"The ground water on that place is about one hundred and twenty feet. We are above the ground water about one hundred and twenty feet. In the well we struck water at about eighty feet, but there we had to go deeper"

"The primary purpose of the tower, your Honor, was to telephone, to send the human voice and likeness around the globe through the instrumentality of the earth. That was my discovery that I announced in 1893, and now all the wireless plants are doing that. There is no other system being used. And the idea was to reproduce this apparatus and then connect it just with a central station and telephone office, so that you may pick up your telephone and if you wanted to talk to a telephone subscriber in Australia you would simply call up that plant and the plant would connect immediately with that subscriber, no matter where in the world, and you could talk to him. And I had contemplated to have press messages, stock quotations, pictures for the press and these reproductions of signatures, checks and everything transmitted from there throughout the world"

Leland Anderson commented (Wizard, ch 33, p. 291):

"At the base of the edifice, deep below the earth, along the descending spiral staircase, was a network of catacombs that extended out like spokes of a wheel. Sixteen of them contained iron pipes which protruded from the central shaft to a distance of three hundred feet. The expense for these "terrestrial grippers" was notable, as Tesla had to design "special machines to push the pipes, one after the other"

"Also in the well were four stone-lined tunnels, each of which gradually rose back to the surface. Large enough for a man to crawl through, they emerged like isolated, igloo-shaped brick ovens three hundred feet from the base of the tower.

"Although the exact reason for the burrows has not been determined, their necessity was probably multifaceted. Tesla had increased the length of the aerial by over a hundred feet by extending the shaft into the earth. Simultaneously, he was able to more easily transmit energy through the ground with this arrangement. It is possible that he also planned to resonate the aquifer which was situated slightly below the bottom of the well. The insulated passageways which climbed back to the surface may have been safety valves, which would have allowed excess pressure to escape. They also provided an alternative way to access the base. Tesla may have planned to fill other shafts with salt water or liquid nitrogen to augment transmission. There may have also been other reasons for their construction."



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The staircase, which led up the tower, was also constructed entirely of wood, and fastened by wooden pegs without the use of nails. The tower was high enough to be easily seen from New Haven Connecticut, across Long Island Sound.

My Inventions - Chapter 5: The Influences That Shape Our Destiny -

Electrical Experimenter - February June and October 1919 p. 87-90:

"I also proposed to make demonstration in the wireless transmission of power on a small scale, but sufficient to carry conviction. Besides these, I referred to other and incomparably more important applications of my discoveries which will be disclosed at some future date. A plant was built on Long Island with a tower 187 feet high, having a spherical terminal about 68 feet in diameter. These dimensions were adequate for the transmission of virtually any amount of energy. Originally, only from 200 to 300 K.W. were provided, but I intended to employ later several thousand horsepower. The transmitter was to emit a wave-complex of special characteristics and I had devised a unique method of telephonic control of any amount of energy. The tower was destroyed two years ago (on 1917) but my projects are being developed and another one, improved in some features will be constructed".

## 2. Energy from the earth - Underground connection

### Tesla's Wardenclyffe Lab - earth resonance



A second part of the tower/transmitter consisted of a well-like shaft plunged 120 feet into the ground and a copper pipe was driven 150 feet into the ground to make a good earth connection (more info: <http://www.teslascience.org/pages/twp/tunnels.htm>) Sixteen iron pipes were driven three hundred feet deeper so that currents could pass through them to grip the earth.

Nikola Tesla planned to build another two towers to duplicate the tower with the large sphere on top. The three towers, one for each powerhouse, would each have a 500-foot well. The water at the bottom of the well was to be kept warm and was not to exceed a certain temperature. Excavation was planned to continue down to 500 feet.

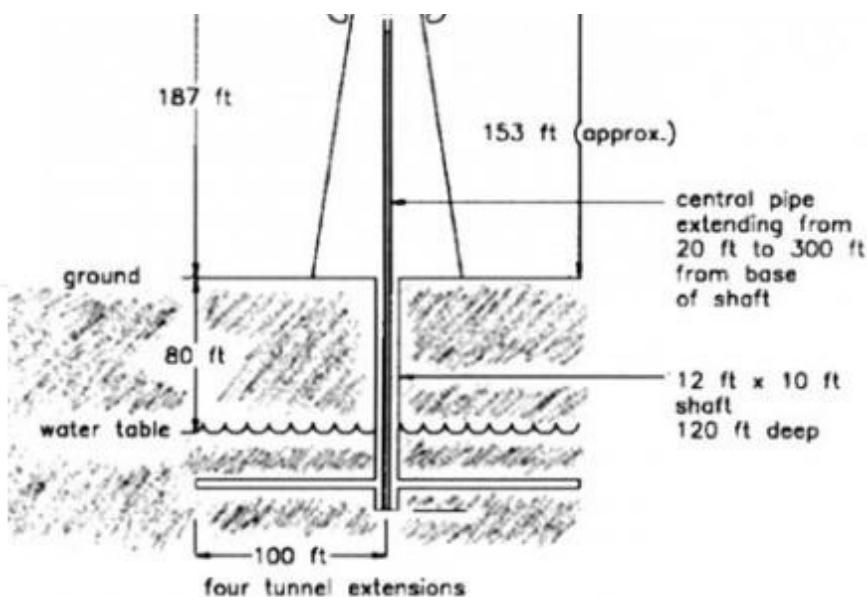
In 1916 Tesla described the underground portion of the tower as it is displayed in the article Tesla On His Work With Alternating Currents and Their Application to Wireless Telegraphy, Telephony and Transmission of Power, L.I. Anderson - Sun Publishing, Denver - 1992 - pg. 203; or Wardenclyffe Foreclosure Proceedings, pp.177-179:

"In this system that I have invented it is necessary for the machine to get a grip of the earth, otherwise it cannot shake the earth. It has to have a grip on the earth so that the whole of this globe can quiver, and to do that it is necessary to carry out a very expensive construction. I had in



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Local rumors told that pits and underground tunnels were being constructed, but these do not appear to be true. Years later, there was reported to be a well 12 feet wide and 100 feet deep at the site of the tower.

The tunnels, which were supposedly built under the great tower, were considered a great mystery. A well was dug below the tower 120' deep and 12 by 10 feet, lined with 8' timbers. A spiral stairway encircled a telescopic steel shaft. Air pressure would cause the shaft to rise 300 feet to contact the tower's top platform. Connected to the well were four brick-lined tunnels nearly 100 feet in length, but they were for the same objective of his "special machines".

One account by Anderson on 1969 states:

Excitation currents pulsed through a 16-section telescoping shaft that rose under air pressure 300 feet from the bottom of the well to contact the spherical terminal.

and another by Popovic on 1976:

Radio station on Long Island consisted of a large building and a special antenna tower suspended on a wooden pyramid of several meters in diameter with a changeable height position by means of a metal tube which was telescopically vertically moveable, was emerging from a cylindrical 30 m deep hole in the ground beneath the pyramid.

The Port Jefferson Echo reported in February of 1902:

"The staircase leading down into this subterranean chamber is partially completed, and next week a force of workmen will begin the driving of a series of four small tunnels, each 100 feet long transversely across the bottom of the well. As these tunnels will be below the water level, some skillful engineering will be required to carry the work through. Mr. Tesla's energy is pushing the work of construction forward and the fact that the boilers, engines and heavy machinery need only the finishing touches to make the power available, is an assurance that within a very brief period, he will be transmitting messages across the ocean through his wonderful wireless system." The March 1902 Patchogue Advance reported "Under the center of the tower a well 123 feet square has been sunk a distance of 120 feet. This has been cased with eight-inch timbers and at the bottom, below the water line, a system of four tunnels will be driven out a distance of 100 feet each to the north, south, east and west. The particular use to which all this is to be put is one of the mysteries of the wireless system."

In 1904 The New York Times told of the curiosity of the tunnels at Wardenclyffe:



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own men is allowed to approach it. Only they have been allowed as much as the briefest peep down the companionway. Mr. Scherff, the private secretary of the inventor, told an inquirer that the companionway led to a small drainage passage built for the purpose of keeping the ground about the tower dry. But such of the villagers as saw the tower constructed, tell a different story. They declare that it leads to a well-like excavation as deep as the tower is high with walls of mason work and a circular stairway leading to the bottom. From there, they say, tunnels have been built in all directions, until the entire ground below the little plain on which the tower is raised has been honeycombed with subterranean passages. They tell with awe how Mr. Tesla, on his weekly visits to Wardenclyffe, spends as much time in the underground passages as he does on the tower or in the handsome laboratory and workshop erected beside it, and where the power plant for the world telegraph has been installed."

A direct electrical connection between the elevated isotropic capacitance and the subterranean ground connection would be consistent with the type-two transmitter design.

In a conversation this writer had with Tesla author, Leland I. Anderson, he mentioned that Nikola Tesla stated it would be very dangerous to walk on the ground between the tower and the laboratory building when it was operating, because of the tunnel, which connected the building to the tower. Anderson also referred to a spiral stairway, which ascended down into the tunnel. At the bottom there are four stone-lined tunnels going out in various directions. These were used to establish ground connection (transmission) for the tower and not to be walked in. The tunnels gradually rose to the surface into brick, igloo-shaped mounds. Some people remember seeing these mounds at the edge of the Tesla property, near the present Fire Department. When the adjacent Fire Department built an extension on their garage, the bulldozer sank deep into the ground.

By February 22, 1902 The Echo printed the following announcement:

"One of the remarkable features of the well is that at the bottom, the water will be warm. The principles on which Tesla will send wireless messages through the ground is, as explained by a friend, that a straight line through the earth, say between New York and London, is shorter than a line around the earth. His belief in it is so great that he has declared, in confidence to his friends, that ten years from now Wardenclyffe will be the great telegraph and cable center of America."



Remains of the Tesla Wireless Tower Base at the Wardenclyffe plant on Long Island after removal of tower. It appears the shaft's wooden shoring has given way, allowing the surrounding soil to be washed into the hole. In this photo the undercut portion of the concrete foundation is in the



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Much of the surrounding soil has collapsed into the central shaft and a large portion of the unsupported concrete foundation has either fallen into the pit or been removed.

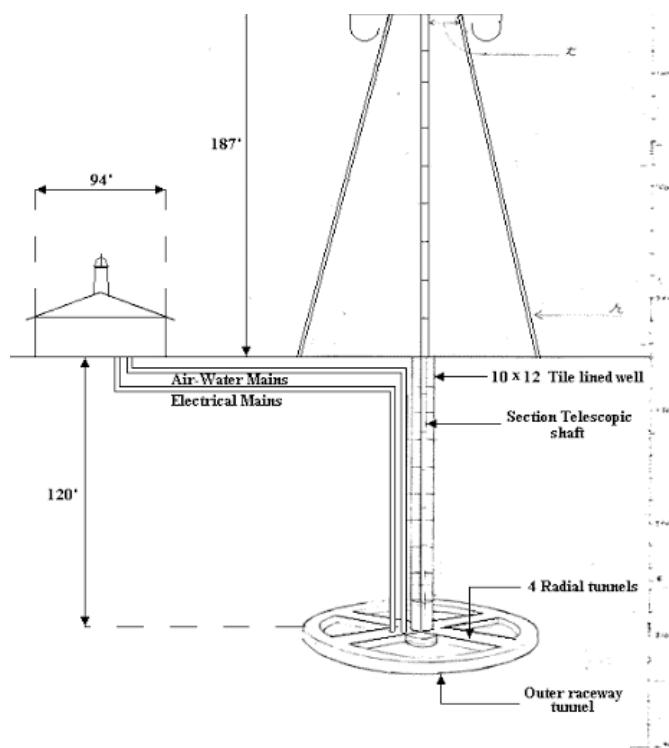


Base of tower at Tesla's Wardenclyffe plant on Long Island after removal of tower. Note the opening of the large conduit that ran from the laboratory building to the 120-foot tower shaft, one of two installed to carry electric and hydraulic mains.



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Rare Notes by Leland I. Anderson

Tesla's description of Long Island plant and inventory of the installation as reported in 1922 foreclosure appeal proceedings - by Leland I. Anderson, Editor:

"There were two channels. One was for communicating, for bringing into the tower compressed air and water and such things as I might have needed for operations and the other one was to bring in electrical mains".

The considerable distance (about 350 feet) between the high-voltage power supply transformers and the tower-side components, including, at the very least, a helical resonator, could have been a problem on Long Island. Tesla patented two inventions during the same period of time which could be useful to improve the Wardenclyffe plant's performance:

US685,012 - Means for Increasing the Intensity of Electrical Oscillations - October 22, 1901

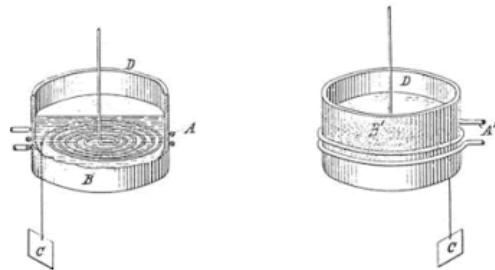
A method for producing a "great increase in the intensity and duration of the (electrical) oscillations excited in a freely-vibrating or resonating circuit by maintaining the same at a low temperature". With this patent it is supposed that he would be able to increase intensity and duration of electric oscillations. Combination of a circuit to possess freely-vibrating excitations and of means for artificially cooling the circuit to a low temperature (low temperature resonating circuit). A circuit upon which oscillations are impressed, and which is adapted to vibrate freely, in combination with a receptacle containing an artificial refrigerant in which the circuit is immersed. Uses electrical oscillators in a series of transmitting and receiving circuits in a system for the transmission of energy.

It is supposed that this invention could be arranged to provide the right operation conditions of the magnifying transmitter itself.



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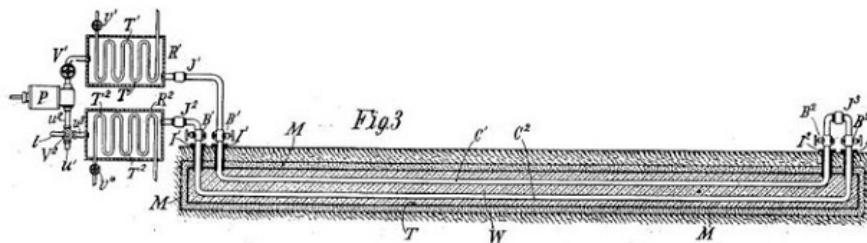
US655,838 - Method of Insulating Electric Conductors reissued as US11,865 - August 14, 1900

The wonder world to be created by electricity" - Manufacturer's Record, September 9, 1915

The underlying principle is to convey through a tubular conductor hydrogen at a very low temperature, freeze the surrounding material and thus secure a perfect insulation by indirect use of electric energy.

Method and practical application of insulation by freezing and solidification; Expounding on Faraday's hypothesis of freezing substances make them possess a higher dielectric level to insulate transmission conductors; Improvements in the method set out by Faraday; Method of insulating electrical conductors which consist in surrounding or supporting said conductors by a material which acquires insulating properties when frozen or solidified; Method of maintaining a conductor within a gaseous cooling agent by the continuous application of said agent; Trough or conduit with circulating cooling agents; Reissued as U.S. Patent RE11865

The inventor might use this patent to improve the efficiency of the high-voltage power transmission between the lab building and the tower-antenna.



If you're looking to create the fastest **Tesla generator**, then you've found the right place. The mysterious research team along with Tesla's disciple will help you: >> [Tesla Generators - The Spring That Drives It All](#)

## Ether and story between Nikola Tesla vs Einstein

Nikola Tesla is mostly regarded as a brilliant inventor, but he was also a physicist who studied in college such courses as analytic geometry, experimental physics and higher mathematics. [1]

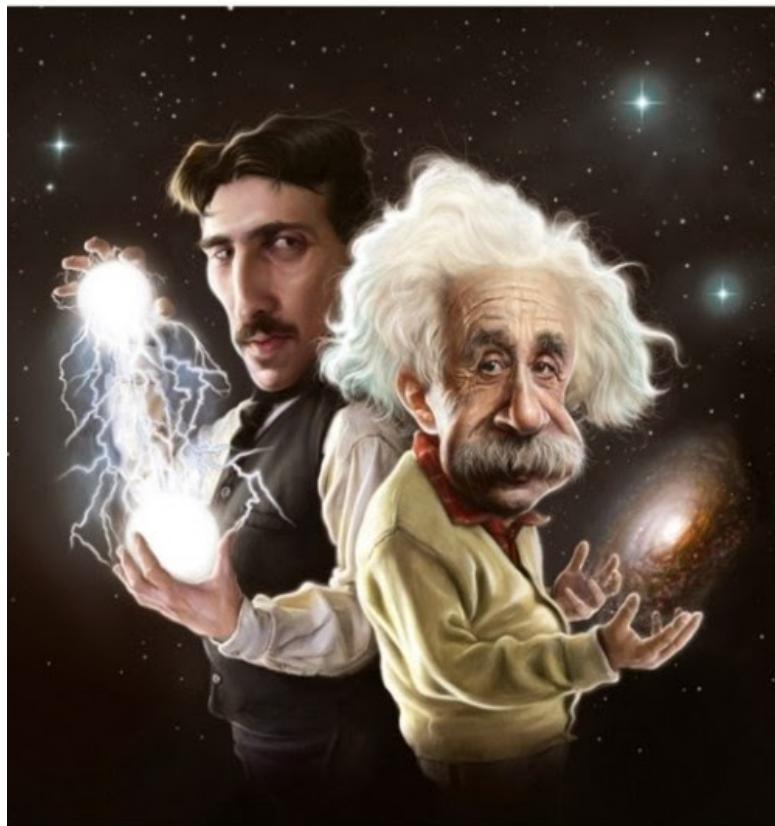
In his early 1890s lectures at Columbia University, the Chicago World's Fair and at Royal Societies in Paris and London, building on the ideas of Isaac Newton and Lord Kelvin, Tesla demonstrated and discussed the structure of atoms as being similar to solar systems and wave-like and particle-like aspects to what later became known as the photon.



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As far as I know, no standard text on the history of physics mentions Tesla even though these ideas would lead to Nobel Prizes when they were further developed by Rutherford and Bohr (with their solar-system description of the atom with electrons orbiting the nucleus) and Einstein's discovery of the photoelectric effect, which was equivalent to Tesla's wave and particle-like description of light.



However, another idea which Tesla discussed was abandoned by modern physicists, and that was the concept of the all pervasive ether. This led to a number of key differences between Tesla's view of the world as compared to that of Albert Einstein (1879-1955). Tesla disagreed with the findings of Einstein's Theory of Relativity in a number of ways.

As far back as the turn of the century, Tesla thought that he had intercepted cosmic rays emanating from the sun that attained velocities "vastly exceeding that of light." In the last decade of his life he also claimed that these cosmic rays could be harnessed to generate electrical power. Tesla also saw radioactivity as evidence of the material body absorbing energy as much as it was giving it up.

On a separate front, the inventor stated that the impulses transmitted from his turn of the century Wardenclyffe wireless transmitting tower would also travel at velocities in excess of the speed of light. He likened the effect to the moon's shadow spreading over the Earth.

It is very difficult to explicate the first two speculations concerning tachyonic (faster than lightspeed) cosmic rays and radioactivity. However, with regard to the third claim, this suggestion that he transmitted energy at speeds in excess of the speed of light can be discussed from a variety of points of view.

As the Earth has a circumference of roughly 25,000 miles, and light travels at about 186,000 miles/second, one can see that it would take light approximately 1/7th of a second to circle the Earth. But does the Earth itself exist in its own realm, that by the nature of its size transcends the speed of light? For example, does the north pole, interact/exist with the south pole instantaneously?



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functional unit, interact with itself in some way that by necessity makes a mockery of the speed of light? (The galaxy, of course, is hundreds of thousands of light years long).

In fact, when we look at photographs of galaxies, we are seeing entities that are hundreds of thousands of light years long. Certainly these systems have an orthorotational stability, and/or angular momentum which exists as a gestalt (totality) in a realm that easily transcends the speed of light and therefore, in that sense, violates relativity. [2]

Concrete proof that relativity can be violated can be found in George Gamow's watershed book Thirty Years That Shook Physics. Gamow, one of the founding fathers of quantum physics, tells us that in the mid-1920's, Goudsmit and Uhlenbeck discovered not only that electrons were orthorotating, but also that they were spinning at 1.37 times the speed of light.

Gamow makes it clear that this discovery did not violate anything in quantum physics, what it violated was Einstein's principle that nothing could travel faster than the speed of light.

Paul Adrian Dirac studied the problem. Following in the footsteps of Herman Minkowski, who used an imaginary number  $i$ , (the square root of -1) to be equivalent to the time coordinate in space-time equations, Dirac assigned the same number  $i$  to electron spin. In this way he was able to combine relativity with quantum mechanics and won a Nobel Prize for the idea in the process (1966, pp. 120-121). That was the upside.

The downside was that the finding that elementary particles spin faster than the speed of light as a matter of course went the way of the passenger pigeon. No physicist talks about this anymore. What this means is that the entire evolution of 20th and nascent 21st century physics is evolving ignoring this key Goudsmit and Uhlenbeck finding. The ramifications suggest that elementary particles, by their nature, interface dimensions.

Because they are spinning faster than the speed of light, the idea is that they are drawing this energy from the ether, a pre-physical realm, and converting the energy into material form.

## The Structure of the Ether

"On a body as large as the sun, it would be impossible to project a disturbance of this kind [e.g., radio broadcasts] to any considerable distance except along the surface. It might be inferred that I am alluding to the curvature of space supposed to exist according to the teachings of relativity, but nothing could be further from my mind."

I hold that space cannot be curved, for the simple reason that it can have no properties. It might as well be said that God has properties. He has not, but only attributes and these are of our own making. Of properties we can only speak when dealing with matter filling the space. To say that in the presence of large bodies space becomes curved, is equivalent to stating that something can act upon nothing. I for one, refuse to subscribe to such a view." – Nikola Tesla [3]

In Tesla's model, a force-field would curve light around large bodies. These ideas were related to Tesla's original theories on gravity which do not seem to have ever been published but can be ascertained by decoding related articles by or about Tesla from the 1930s and 40s.

They also coincide with some of the most recent theories on physics, gravity and magnetism which challenge Einstein's claim that nothing can travel faster than the speed of light. E. Lerner, writing about "Magnetic Whirlwinds" in Science Digest in 1985, stated that "magnetism is as fundamental as gravity." Citing the research and theories of plasma physicist A. Peratt of Los Alamos National Laboratory, Lerner noted:

"Astronomers using [a]... radio telescope [have]... observed filaments of gas arcing far above the galactic plane. These twisting spirals appeared to be held together by a magnetic field... stretching across 500 light years.... Such magnetic vortices [may] play a major role in the universe... as important... as gravitation." [4]



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the ether existed, once an impulse was sent, there would be a difference in the return times of each set, yet no difference was found.

Einstein essentially agreed with the findings by stating that by its nature, the ether could not be detected. However, Einstein also upped the ante considerably by also saying that if the ether could be detected then his theory of relativity was in error. [5]

Einstein further stated that if light could travel like a particle it would not need a medium (i.e., the ether) to travel through. Even though most of the great scientists of the day such as Maxwell, Faraday, Kelvin, Fitzgerald and Lorentz all accepted the obvious conclusion that there had to be a medium of transfer in space, i.e., the ether, all of this was glossed over.

This led to a generally accepted conclusion that the ether did not exist and that is the situation today, a full century later! It would take Einstein 15 years before he addressed this glaring misconception but the damage had already been done.

In 1920, lecturing at the University of Leiden, on the topic "Ether and the Theory of Relativity," Einstein stated outright that the ether did exist, that it was necessary as a medium of transfer because light also had wave-like properties. He even wrote Lorentz to clarify this point. [6]

But by now, the damage had been done.

This lecture received little notice, it was ignored in Roland Clark's watershed biography on Einstein published in 1971, and so the 20th and early 21st centuries evolved in such a way to dismiss entirely ether theory.

Since in the Michelson Morley experiment light travelled at the same speed in the direction the Earth was moving and at right angles to that direction, Einstein concluded that the speed of light had to be constant (according to the formulas of Special Relativity).

He further suggested in 1905 that the ether of 19th century physics was not necessary although what he really meant to say was that it could not be detected. At the time, this was a radical view, it was soon widely accepted, even though it implied that there was nothing between the stars. This concept quickly became dogma as it helped solve a number of dilemmas, for instance, they no longer had to search for the ether because according to this view, it didn't exist.

"Einstein did not disprove the existence of the ether.... He only stated [in Special Relativity] that whether or not it existed, light would always travel at the same speed." [7]

From the perspective of popular science writers, "belief in the nonexistence of the ether remained alive, but in actuality, by 1916, Einstein had replaced the old ether in his theory of General Relativity by curved space-time itself. Only, this new 'ether' is no longer a medium in three-dimensional Euclidean space, but in four-dimensional non-Euclidean (curved) space-time." [8]

It was this idea that was completely unacceptable to Tesla, and he criticised Einstein in the 1930s because of it.

One area where they were in some agreement, however, had to do with the speculations of the German physicist Ernest Mach. Taking his ideas from monotheistic and Buddhist teachings, and from Isaac Newton, who suggested that all material bodies attract one another through gravity, Mach postulated that the mass of any material body, such as the earth, was dependent upon some type of gravitational force from all the stars.

In other words, all effects in the universe were related to all others. Einstein wrote Mach to tell him that this idea was intrinsically related to his formulation of the Theory of Relativity. [9]

I have yet to find a direct quote by Tesla of Mach's Principle, but in an article Tesla wrote in 1915, clearly based upon his writings of 1893, he states exactly this position.

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It seems to me that the interconnectedness between all of the stars in the universe (related to Einstein's curved space/time) is the ether. [11]

#### **Similarly, Tesla's view of the ether aligned itself with that of the Theosophists:**

"Long ago [I] recognised that all perceptible matter comes from a primary substance, of a tenuity beyond conception and filling all space – the Akasa or luminiferous ether – which is acted upon by the life-giving Prana or creative force, calling into existence, in never ending cycles, all things and phenomena.

The primary substance, thrown into infinitesimal whirls of prodigious velocity, becomes gross matter; the force subsiding, the motion ceases and matter disappears, reverting to the primary substance." [12]

Removing the spiritual component from "Akasa," Tesla postulated that everything in the universe derived its energy from external sources. This corresponded to his model of the automata or remote controlled robot, which received commands from the electrician, and also of himself, that is, of the human condition itself.

Denying the Platonic concept of intrinsic motivation, as an Aristotelian, and thus a believer in the idea of the tabula rasa, Tesla assumed that all of his ideas came from external sources even though, paradoxically, his life was the very essence and expression of self-determination and the power of the will.

Each hierarchical entity in his system was not endowed with a soul, per se, but rather, a self-directed electrical component which moved by attraction or repulsion.

As a non-psychologist, Tesla also negated, by necessity, the concept of the unconscious, the archetypes, and also the Freudian id, as primary motivators. So, for instance, a dream would always ultimately derive from some extrinsic factor, never from a completely inner source.

However, unlike Einstein, who negated the mental component from his model concerning the primary forces of the universe, Tesla addressed this factor with his construction of the first prototype of a thinking machine, his tautomaton or remote controlled robot which was in the form of a wireless activated boat that the inventor displayed before the public at Madison Square Garden in 1898. [13]

In essence, for Tesla, the mind was at its basis, a binary electrical system of attractions and repulsions, stimulated from an outside source, and wholly compatible with Pavlov's stimulus-response reflex model for cognitive processes.

#### **Smashing Atoms - Tesla vs. Einstein**

Tesla also differed with Einstein and the quantum physicists in his view of the structure of the elementary particles and the possible consequences caused by the smashing of atoms.

"I have disintegrated atoms in my experiments with a high potential vacuum tube... operat[ing] it with pressures ranging from 4,000,000 to 18,000,000 million volts.... But as to atomic energy, my experimental observations have shown that the process of disintegration is not accompanied by a liberation of such energy as might be expected from present theories." [14]

To Tesla, the Theory of Relativity was just "a mass of error and deceptive ideas violently opposed to the teachings of great men of science of the past and even to common sense. The theory wraps all these errors and fallacies and clothes them in magnificent mathematical garb which fascinates, dazzles and makes people blind to the underlying error. The theory is like a beggar clothed in purple whom ignorant people take for a king. Its exponents are very brilliant men, but they are metaphysicists rather than scientists."



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It would be shortsighted to simply judge Tesla wrong and Einstein and the quantum physicists right for at least two reasons.

(1) Both relativity and quantum theory have been established as incomplete, and in some sense, incompatible, theories on the structure of the universe. [16]

(2) Tesla was discussing these phenomena from a different perspective that was not completely analogous to the one espoused by the theoretical physicists. In Colorado Springs, for instance, Tesla was generating over 4,000,000 volts, whereas only about 1,000,000 volts is required for separating electrons from the nucleus of an atom.

Thus, Tesla was able to disintegrate atoms, but in an entirely different way than that postulated by Einstein or the quantum physicists (for Tesla did not destroy the nucleus). No atomic explosion could ever occur with his type of apparatus.

Tesla completely misunderstood the ramifications of Einstein's equation  $E = mc^2$ , and the corresponding suppositions of the equivalence of mass and energy. Unfortunately, he would never live to see the proof that tremendous amounts of power were locked inside the tiny space occupied by the nuclei of atoms. [17]

### **Gravity - Tesla vs. Einstein**

Concerning the curvature of space (Einstein) versus the idea of a force field (Tesla), I discussed this point with Edwin Gora, Professor Emeritus, from Providence College. Gora, whose teachers include Werner Heisenberg and Arnold Sommerfeld, agreed that the two concepts might actually be different viable ways of describing the same thing. Both Tesla and Einstein are trying to describe the fundamental structure of space and its relationship to the constancy of lightspeed and gravity.

In an obscure paper I discovered on the web published by M. Shapkin but supposedly written by Tesla, Shapkin/Tesla states that the reason why light only travels at one speed, 186,000 mph, is because the ether, its medium of transfer, slows down photonic energy to that rate the same way air slows down sound to its constant speed. [18]

According to this view, the ether is a specific medium that restricts the speed of light to exactly the speed that it is. This is a very exciting theory because it suggests that the energy which manifests itself as light ultimately exists in a tachyonic realm, that is, in a realm that exceeds the speed of light.

Another aspect of this ether theory which derives from Tesla and numerous other modern writers such as Price and Gibson, Ed Hatch, Vencislav Bujic, Ron Heath, Warren York and David Wilcox outlined in detail in my book Transcending the Speed of Light, is that matter is constantly absorbing ether all the time.

If we look at the structure of matter, we see that it is comprised of atoms, which is, essentially, electrons orbiting protons and neutrons. But neutrons are, by definition, protons sandwiched to electrons. So the fundamental structure of matter is just two particles, electrons and protons and a glue that binds these atoms into molecules, which are photons. These particles spin. What keeps them spinning?

Ether theory suggests that elementary particles are absorbing ether all the time to maintain their spin. And when they do this, they emanate the absorbed energy as electromagnetic fields. That is the link between gravity and electromagnetism.

Take the Earth, for instance. Classical physics sees the force of gravity as some type of almost magical attractive force between stars and planets. Ether theory has a totally different view. The reason we fall back to the Earth when we jump up is not this mystical force of gravity, but rather it



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nutty idea makes perfect sense. The sun requires a gargantuan amount of etheric energy to keep its integrity.

## Grand Unification

Now we go to Einstein, who as we learn from the new Isaacson biography, came to reject Mach's principle. Einstein did indeed see a connection between gravity and acceleration, but he was not ready to accept the etheric view, because to do so would mean to drive a stake through his precious theory of relativity. Remember, he said that if ether could be detected, then his theory was wrong.

According to the etheric view as espoused by the various writers listed above, Price and Gibson, et al., ether is easily detected. If you are driving in a car and accelerate greatly, you will feel a G-force. This is an increased absorption of ether. That's what a G-force is. Ether flowing into matter is gravity, matter flowing rapidly through ether, that is, acceleration, is experienced as a G-force.

Einstein started to become aware of this in 1916, just as Louis de Broglie's wave mechanics was coming into vogue. Where before that time physicists were looking at electrons and protons as particles, de Broglie emphasized the wave aspect of their nature. Looking at electrons as waves rather than particles makes it a lot easier to understand a quantum leap, or the shift of an electron from one orbit to another without going into an in-between state.

From this de Broglie wavelike point of view, quantum leaps occur when electrons simply shift their point of focus. Once de Broglie began to gain acceptance, elementary particles including photons were now looked at more from the wave point of view and this view was more in accord with the necessity for an ether as the medium of transfer for light, for instance, to get from the sun to the Earth.

Initially, Einstein was still too caught up in his particle view and in Mach's principle which suggested that all matter in the universe was interdependent. Thus, concerning rotating bodies, Einstein would write the young mathematician Karl Schwarzschild on January 9, 1916:

"Inertia is simply an interaction between masses, not an effect in which space of itself is involved, separate from the observed mass."

Schwarzschild, Isaacson points out, disagreed. Now, four years later, in 1920 after reconsidering the necessity of the ether, for instance, as a means to propagate light, Einstein changed his mind. He abandoned Mach's Principle and now saw that a rotating body did not obtain its inertia from, and in relations to, all the rest of the matter in the universe [Mach's Principle], but on its own accord due simply to "its state of rotation [because] space is endowed with physical qualities." [19]

Because of the power of de Broglie's emphasis on particle wave theory, Einstein shifted gears to be current. Back ahead of the curve, he lectured on the ether at Leiden University (discussed above). Einstein never came to view gravity as the absorption of ether by elementary particles and electromagnetism as a product of this process, because to do so would be to abandon relativity. Einstein also never was able to integrate gravity into his grand unification scheme, a problem he wrestled with for the entire last half of his life.

Once it is realised that electrons spin at speeds in excess of the speed of light, a new paradigm is born. The idea simply is that the elementary particles, by their nature, are absorbing ether all the time. This influx is what gravity is.

### As ether is absorbed two things happen:

1. The process enables the elementary particles to maintain their spin, and
2. Simultaneously, this etheric energy, probably stemming from what some physicists call the zero point energy realm, which is a vast reservoir of untapped energy, is transformed into electromagnetic energy.

That is Grand Unification, Einstein's dream of how to combine gravity with electromagnetism.



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achieve his grand dream of unifying gravity with electromagnetism, a process explainable by a full understanding of ether theory.

A large number of thinking physicists believe that an ether of sorts exists, and that forces of some type may transcend lightspeed. Once one begins to study ether theory, profound new insights concerning such things as particle spin, zero point energy, the fundamental structure of matter and space, the constancy of lightspeed and the link between gravity and electromagnetism begin to emerge.

Note: The above is excerpted and adapted with permission from Marc J. Seifer's book "Transcending The Speed Of Light: Consciousness, Quantum Physics & the Fifth Dimension" (Inner Traditions, 2008).

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2. One need not resort to Bell's theorem of non-locality, or instantaneous transference of information, or the new worm hole theories, each which suggest extra dimensions, to follow the argument as far as I have taken it.

3. Nikola Tesla, Pioneer radio engineer gives views on power. In J. Ratzlaff (Ed.), Tesla Said. Millbrae, CA: Tesla Book Company, 1984, pp. 240-242.

4. E. Lerner, 'Magnetic whirlwinds', Science Digest, 6/1985, p. 26.

5. Roland Clark, Einstein: The Life & Times, NY: World Publishing, 1971, p. 78.

6. Walter Isaacson, Einstein: His Life & Universe, New York: Simon & Schuster, 2007, p. 318.

7. Edwin Gora, Physics Department, Providence College, private correspondence, 1991.

8. Ibid.

9. Einstein had really postulated two theories. The special theory of relativity postulated in 1905, dealing with uniform motions, and the general theory, which dealt with motions speeding up and slowing down. Mach's principle is linked to the general theory.

10. Nikola Tesla, (1915), in Lectures, Patents, Articles, Belgrade: Nikola Tesla Museum, 1956, p. A-172.

11. Or one hierarchical dimension of it. Further, each point in space (in a galaxy) codes for every other point, as each contain the intersecting light from every star in the system. This idea is



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13. Einstein, however, did not negate the conscious component from his philosophy. "I want to know how God created the world," Einstein said. "I want to know his thoughts; the rest are details" [from E. Mallove, 'Einstein's Intoxication with God and the Cosmos', Washington Post, 12/22/1985].

14. Nikola Tesla, 'Radio power will revolutionize the world', Modern Mechanix & Invention, 7/1934, pp. 40-42; 117-119.

15. Nikola Tesla, 'Tesla, 79, promises to transmit force', New York Times, 7/11/1935, 23:8; in Nikola Tesla, 1981, pp. 128-130.

16. "A principle of physics that Einstein held even more dear than determinism was the principle of local causality – that distant events cannot instantaneously influence local objects without mediation. What the EPR [Einstein, Podolsky, Rosen] argument did... was to show that quantum theory violated causality. This finding startled most physicists, because they held the principle of local causality sacred. This meant that either quantum physics was incomplete or non-local events [i.e., instantaneous information transmission] occurred."

The Cosmic Code, by Heinz Pagels, Bantam Books, NY, 1982, p. 139.

Einstein's Theory of Relativity is also incomplete, as physicists have not, as yet, obtained a Grand Unification Theory based upon it. See, for instance 'Einstein's Dream', by Gary Taubes, Discover, 12/1983, p. 48, whereby an 11 dimensional graviton (gravity particle) has been postulated as the ultimate particle to explain supergravity, quarks, electrons, etc.

17. It would take approximately 55 million volts to vaporise carbon, but only 4.37 million volts to change carbon into helium, the latter case within the parameters Tesla was capable of achieving [calculations performed by E. Gora]. A pound of carbon, on the other hand, if converted into nuclear energy, could provide enough electricity to run the country for an entire month [from Coleman, 1958, p. 54].

18. Mikhail Shapkin, "Unknown Manuscript of Nicola Tesla." Farshores.org/wmtesla.htm.

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