

Alternating Current Ac Nikola Tesla

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[Experiments with Alternate Currents of High Potential and High Frequency](#) - Nikola Tesla 1904

Nikola Tesla - Michael Burgan 2009

A biography of Nikola Tesla, physicist, inventor, and electrical engineer.

Nikola Tesla - J.D. Rockefeller 2015-10-15

Nikola Tesla was a person who made great contributions in the field of electricity. He helped design the electricity supply system of alternating current. He also worked with other great individuals, including Thomas Edison, even though that was only for a short time. With his development of various electrical devices, he was able to contribute to the electrical evolution that has truly transformed the lives of so many people. Although he was penniless when he migrated in New York, it did not hinder him from creating his amazing inventions. Aside from his contributions to alternating current, he also helped in the development of the radio, as well as wireless communication. He experienced struggles in his life, yet he worked hard to accomplish what he wanted to do in pursuit of the dreams and visions that he had, which included a world that uses wireless power. He was a man ahead of his time. Thus, he did not expect the world to accept the advanced ideas that he had, nor did he expect to receive fast results in what he was doing. The accomplishments of Tesla during his entire lifetime are considered legendary. They include the Tesla coil, induction motor, Tesla turbines, Tesla insulation, and the Tesla compressor. He also had a photographic memory and he could solve problems in his head. Due to this, he was accused of cheating, although that was not really what happened. He had a plausible ability for visualization. That was probably why he was capable of visualizing his inventions, no matter how complex it was in his mind. What was amazing about it was that he could visualize it with great precision. Many people might not have known that he had a rare condition called synesthesia. Synesthesia is a perceptual condition where an individual experiences mixed sensations. Although this was the case, he was able to put his condition to good use; he used it as an aid in designing the details of his inventions. He served as the perfect example of what an eccentric genius is.

A New System of Alternating Current Motors and Transformers - Nikola Tesla 2008-12-09

Inventions of Nikola Tesla - Nikola Tesla 2014-09-08

Delve into the mind of Nikola Tesla with his complete collection of patents in the United States, along with others that he published internationally. This contains 610 pages of the original, unedited blueprints of Tesla's work involving alternating current, wireless electric transmission, electric generators, incandescent light, aerial transportation and much more. Each of his drawings are accompanied by meticulous detail of how each invention works. Ideal for engineering, and far more in-depth than any biography could reach. This book is the largest available printed collection of Nikola Tesla's inventions.

The Last Days of Night - Graham Moore 2016

When electric light innovator Thomas Edison sues his only remaining rival for patent infringement, George Westinghouse hires untested Columbia Law School graduate Paul Ravath for a case fraught with lies, betrayals, and deception.

Nikola Tesla - United Library 2021-01-22

Nikola Tesla was an engineer and scientist known for designing the alternating-current (AC) electric

system, which is the predominant electrical system used across the world today. He also created the "Tesla coil," which is still used in radio technology. Born in modern-day Croatia, Tesla came to the United States in 1884 and briefly worked with Thomas Edison before the two parted ways. He sold several patent rights, including those to his AC machinery, to George Westinghouse. "Our virtues and our failings are inseparable, like force and matter. When they separate, man is no more." - Nikola Tesla This is Nikola Tesla's descriptive and concise biography.

The Truth About Tesla - Christopher Cooper 2018-10-02

Everything you think you know about Nikola Tesla is wrong. Nikola Tesla was one of the greatest electrical inventors who ever lived. For years, the engineering genius was relegated to relative obscurity, his contributions to humanity (we are told) obscured by a number of nineteenth-century inventors and industrialists who took credit for his work or stole his patents outright. In recent years, the historical record has been "corrected" and Tesla has been restored to his rightful place among historical luminaries like Thomas Edison, George Westinghouse, and Guglielmo Marconi. Most biographies repeat the familiar account of Tesla's life, including his invention of alternating current, his falling out with Edison, how he lost billions in patent royalties to Westinghouse, and his fight to prove that Marconi stole 13 of his patents to "invent" radio. But, what really happened? Consider this: Everything you think you know about Nikola Tesla is wrong. Newly uncovered information proves that the popular account of Tesla's life is itself very flawed. In *The Truth About Tesla*, Christopher Cooper sets out to prove that the conventional story not only oversimplifies history, it denies credit to some of the true inventors behind many of the groundbreaking technologies now attributed to Tesla and perpetuates a misunderstanding about the process of innovation itself. Are you positive that Alexander Graham Bell invented the telephone? Are you sure the Wright Brothers were the first in flight? Think again! With a provocative foreword by Tesla biographer Marc J. Seifer, *The Truth About Tesla* is one of the first books to set the record straight, tracing the origin of some of the greatest electrical inventions to a coterie of colorful characters that conventional history has all but forgotten.

My Inventions - Nikola Tesla 2016-04-12

NIKOLA TESLA (1856-1943) was a Serbian American inventor, electrical engineer, mechanical engineer, physicist, and futurist best known for his contributions to the design of the modern alternating current (AC) electricity supply system. Tesla gained experience in telephony and electrical engineering before emigrating to the United States in 1884 to work for Thomas Edison in New York City. He soon struck out on his own with financial backers, setting up laboratories and companies to develop a range of electrical devices. His patented AC induction motor and transformer were licensed by George Westinghouse, who also hired Tesla for a short time as a consultant. His work in the formative years of electric power development was involved in a corporate alternating current/direct current "War of Currents" as well as various patent battles. The investors showed little interest in Tesla's ideas for new types of motors and electrical transmission equipment and also seemed to think it was better to develop an electrical utility than invent new systems. They eventually forced Tesla out leaving him penniless. He even lost control of the patents he had generated since he had assigned them to the company in lieu of stock. He had to work at various electrical repair jobs and even as a ditch digger for \$2 per day. Tesla considered the winter of

1886/1887 as a time of "terrible headaches and bitter tears." During this time, he questioned the value of his education. Chapter 1 My Early Life: The progressive development of man is vitally dependent on invention. It is the most important product of his creative brain. Its ultimate purpose is the complete mastery of mind over the material world, the harnessing of the forces of nature to human needs. This is the difficult task of the inventor who is often misunderstood and unrewarded. But he finds ample compensation in the pleasing exercises of his powers and in the knowledge of being one of that exceptionally privileged class without whom the race would have long ago perished in the bitter struggle against pitiless elements. Speaking for myself, I have already had more than my full measure of this exquisite enjoyment, so much that for many years my life was little short of continuous rapture. I am credited with being one of the hardest workers and perhaps I am, if thought is the equivalent of labor, for I have devoted to it almost all of my waking hours. But if work is interpreted to be a definite performance in a specified time according to a rigid rule, then I may be the worst of idlers. Every effort under compulsion demands a sacrifice of life-energy. I never paid such a price. On the contrary, I have thrived on my thoughts. In attempting to give a connected and faithful account of my activities in this series of articles which will be presented with the assistance of the Editors of the Electrical Experimenter and are chiefly addressed to our young men readers, I must dwell, however reluctantly, on the impressions of my youth and the circumstances and events which have been instrumental in determining my career. Our first endeavors are purely instinctive, promptings of an imagination vivid and undisciplined. As we grow older reason asserts itself and we become more and more systematic and designing. But those early impulses, although not immediately productive, are of the greatest moment and may shape our very destinies. Indeed, I feel now that had I understood and cultivated instead of suppressing them, I would have added substantial value to my bequest to the world. But not until I had attained manhood did I realize that I was an inventor..

Empires of Light - Jill Jonnes 2004-10-12

The gripping history of electricity and how the fateful collision of Thomas Edison, Nikola Tesla, and George Westinghouse left the world utterly transformed. In the final decades of the nineteenth century, three brilliant and visionary titans of America's Gilded Age—Thomas Edison, Nikola Tesla, and George Westinghouse—battled bitterly as each vied to create a vast and powerful electrical empire. In *Empires of Light*, historian Jill Jonnes portrays this extraordinary trio and their riveting and ruthless world of cutting-edge science, invention, intrigue, money, death, and hard-eyed Wall Street millionaires. At the heart of the story are Thomas Alva Edison, the nation's most famous and folksy inventor, creator of the incandescent light bulb and mastermind of the world's first direct current electrical light networks; the Serbian wizard of invention Nikola Tesla, elegant, highly eccentric, a dreamer who revolutionized the generation and delivery of electricity; and the charismatic George Westinghouse, Pittsburgh inventor and tough corporate entrepreneur, an industrial idealist who in the era of gaslight imagined a world powered by cheap and plentiful electricity and worked heart and soul to create it. Edison struggled to introduce his radical new direct current (DC) technology into the hurly-burly of New York City as Tesla and Westinghouse challenged his dominance with their alternating current (AC), thus setting the stage for one of the eeriest feuds in American corporate history, the War of the Electric Currents. The battlegrounds: Wall Street, the 1893 Chicago World's Fair, Niagara Falls, and, finally, the death chamber—Jonnes takes us on the tense walk down a prison hallway and into the sunlit room where William Kemmler, convicted ax murderer, became the first man to die in the electric chair.

[The Essential Tesla](#) - Nikola Tesla 2007-07

Nikola Tesla has been called the most important man of the twentieth century. His writings have fascinated readers for more than a century. No one has had a greater impact on the world as we know it than Tesla. Without his ground-breaking work we'd all be sitting in the dark without even a radio to listen to. Collected here are Tesla's most important works including *A New System of Alternating Current Motors and Transformers*; *Experiments with Alternate Currents of Very High Frequency and Their Application to Methods of Artificial Illumination*; *The Problem of Increasing Human Energy*; and *The Autobiography of Nikola Tesla*. This is the Tesla book you've been waiting for: with more than 50 figures this book truly is essential. Get all 4 of these Tesla books in one binding for the same price you would expect to pay for just one of them.

Tesla, Master of Lightning - Margaret Cheney 1999

A biography of the electrical engineer whose inventions included an amplifier, an arc light, transformers, Tesla coils, rotating magnetic field motors for alternating current, and others.

The Tesla Papers - Nikola Tesla 2000

"Nikola Tesla on free energy & wireless transmission of power"--Cover.

[Tesla: Inventor of the Modern](#) - Richard Munson 2018-05-22

Tesla's inventions transformed our world, and his visions have continued to inspire great minds for generations. Nikola Tesla invented the radio, robots, and remote control. His electric induction motors run our appliances and factories, yet he has been largely overlooked by history. In *Tesla*, Richard Munson presents a comprehensive portrait of this farsighted and underappreciated mastermind. When his first breakthrough—alternating current, the basis of the electric grid—pitted him against Thomas Edison's direct-current empire, Tesla's superior technology prevailed. Unfortunately, he had little business sense and could not capitalize on this success. His most advanced ideas went unrecognized for decades: forty years in the case of the radio patent, longer still for his ideas on laser beam technology. Although penniless during his later years, he never stopped imagining. In the early 1900s, he designed plans for cell phones, the Internet, death-ray weapons, and interstellar communications. His ideas have lived on to shape the modern economy. Who was this genius? Drawing on letters, technical notebooks, and other primary sources, Munson pieces together the magnificently bizarre personal life and mental habits of the enigmatic inventor. Born during a lightning storm at midnight, Tesla died alone in a New York City hotel. He was an acute germaphobe who never shook hands and required nine napkins when he sat down to dinner. Strikingly handsome and impeccably dressed, he spoke eight languages and could recite entire books from memory. Yet Tesla's most famous inventions were not the product of fastidiousness or linear thought but of a mind fueled by both the humanities and sciences: he conceived the induction motor while walking through a park and reciting Goethe's *Faust*. Tesla worked tirelessly to offer electric power to the world, to introduce automatons that would reduce life's drudgery, and to develop machines that might one day abolish war. His story is a reminder that technology can transcend the marketplace and that profit is not the only motivation for invention. This clear, authoritative, and highly readable biography takes account of all phases of Tesla's remarkable life.

Inventor, Engineer, and Physicist Nikola Tesla - Marsico 2017-08

As a child, Nikola Tesla saw a picture of a waterfall and imagined an invention that would harness the water's energy. Decades later, he invented the water wheel. Learn about the innovative inventor who changed the world of electricity.

[A New System of Alternating Current Motors and Transformers and Other Essays](#) - Nikola Tesla 2013-03-25

Nikola Tesla was a genius who revolutionized how the world looks at electricity. During college his professors explained that it was impossible to design an engine without commutators or brushes. Tesla was unconvinced that such was necessary or even particularly desirable. It was then that Tesla began his work on the rotating field motor that ultimately gave birth to the modern age. In May of 1888, Tesla delivered his lecture "A New System of Alternating Current Motors and Transformers" before The American Institute of Electrical Engineers and the world has never been the same.

The Fantastic Inventions of Nikola Tesla - Nikola Tesla 1993

"Nikola Tesla: complete bibliography" (p. 349-351).

My Inventions - The Autobiography of Nikola Tesla - Nikola Tesla 2013-08-09

Serbian inventor NIKOLA TESLA (1857-1943) was a revolutionary scientist who forever changed the scientific fields of electricity and magnetism. Tesla's greatest invention, A/C current, powers almost all of the technological wonders in the world today, from home heating to computers to high-tech robotics. His discoveries gave mankind the television. And his dream of wireless communication came to pass in both the radio and eventually the cell phone. Yet his story remains widely unknown. History buffs, science enthusiasts, backyard inventors, and anyone who has ever dared to dream big will find the life of Nikola Tesla, written in his own words, engaging, informative, and humorous in its eccentricity.

[The Inventions, Researches and Writings of Nikola Tesla](#) - Thomas Commerford Martin 1894

More than just descriptions and details, Thomas Martin attempts to explain in layman's terms the science

behind Tesla's work. He has also included a short biography.?

The Autobiography of Nikola Tesla and Other Works - Nikola Tesla 2021-10-19

Who was Nikola Tesla? Find out in this comprehensive volume that includes Tesla's autobiography and scientific writings, as well as other works that examine his life and career in detail. Nikola Tesla came from a humble upbringing in what is now Croatia and reached the heights of science and technology in the United States at the turn of the twentieth century. The Autobiography of Nikola Tesla and Other Works gives readers a compelling insight into the man whose ideas revolutionized the fields of electrical and mechanical engineering, and who continues to be a source of inspiration for modern inventors. This volume includes Tesla's autobiography My Inventions (1919), articles and diagrams that he published in scientific magazines—including "The Problem of Increasing Human Energy," in which he discusses the potential of solar power—and Thomas Commerford Martin's The Inventions, Researches, and Writings of Nikola Tesla. A scholarly introduction examines Tesla's life and career, and the impact that he has had on generations of inventors up to the present day.

Who Was Nikola Tesla? Jim Gigliotti 2018-12-04

Get ready for the electrifying biography of Nikola Tesla--part creative genius, part mad scientist, and 100% innovator. When Nikola Tesla arrived in the United States in 1884, he didn't have much money, but he did have a letter of introduction to renowned inventor Thomas Edison. The working relationship between the two men was short lived, though, and the two scientist-inventors became harsh competitors. One of the most influential scientists of all time, Nikola Tesla is celebrated for his experiments in electricity, X-rays, remote controls, and wireless communications. His invention of the Tesla coil was instrumental in the development of radio technology.

The Strange Life of Nikola Tesla - Nikola Tesla

The Inventions, Researches and Writings of Nikola Tesla - Nikola Tesla 2014-06-10

Presents some of the findings and theories which made inventor Nikola Tesla famous. Includes lectures, articles and discussions. Including: wireless transmission, the magnifying transmitter, design and construction of a half-wave Tesla coil, electrostatics: a key to free energy.

Electrical Wizard - Elizabeth Rusch 2013-09-10

An introduction to the pioneering ideas of a leading contributor to modern electrical engineering includes coverage of such topics as his rivalry with Thomas Edison, his innovations in the field of alternating current and his history-changing role in the development of such inventions as remote controls, fluorescent lights and cell phones.

My Inventions Nikola Tesla 2020-11-04

The autobiography of physicist and inventor Nikola Tesla was cobbled together from a series of articles the visionary released throughout his life. The book traces his triumphs from discovering the magnetic field to the invention of the coil and transformer named after him. Tesla also honestly discusses his breakdowns and obstacles, reminding us that being a genius isn't always easy.

Nikola Tesla - Hourly History 2017-04-18

Nikola Tesla was a major figure in the world in which he lived. As the nineteenth century gave way to the twentieth, it was Tesla who would contribute to some of the world's most amazing inventions. It was Tesla's theories, patents, and experiments that would pave the way for the digital, wireless world we are so familiar with today. Tesla didn't enjoy the high honors bestowed on so many of his contemporaries, yet he enjoyed the power of knowing that it was his inventions that were powering the world, literally. Inside you will read about... □ Early Life □ Alternating Current and the Induction Motor □ Patents, Radio and X-rays □ Wardencllyffe Years □ Personal Life □ Later Years □ 10 Things You Never Knew About Nikola Tesla And much more! This book will take you through the life of Nikola Tesla. From his humble beginnings in Croatia to all he would accomplish as a citizen of the United States, Tesla shows how his imagination fueled his creativity and brought his inventions to life. See Nikola Tesla for what he truly was; an extraordinary visionary who sparked the world.

Nikola Tesla - Liam Walsh 2018-04-21

Nikola Tesla was a Serbian-American inventor, electrical engineer, mechanical engineer, physicist, and

futurist who is best known for his contributions to the design of the modern alternating current (AC) electricity supply system. Born and raised in the Austrian Empire, Tesla received an advanced education in engineering and physics in the 1870s and gained practical experience in the early 1880s working in telephony and at Continental Edison in the new electric power industry. He emigrated to the United States in 1884, where he would become a naturalized citizen. He worked for a short time at the Edison Machine Works in New York City before he struck out on his own. With the help of partners to finance and market his ideas, Tesla set up laboratories and companies in New York to develop a range of electrical and mechanical devices. His alternating current (AC) induction motor and related polyphase AC patents, licensed by Westinghouse Electric in 1888, earned him a considerable amount of money and became the cornerstone of the polyphase system which that company would eventually market. Attempting to develop inventions he could patent and market, Tesla conducted a range of experiments with mechanical oscillators/generators, electrical discharge tubes, and early X-ray imaging. He also built a wireless-controlled boat, one of the first ever exhibited. Tesla became well known as an inventor and would demonstrate his achievements to celebrities and wealthy patrons at his lab, and was noted for his showmanship at public lectures. Throughout the 1890s, Tesla pursued his ideas for wireless lighting and worldwide wireless electric power distribution in his high-voltage, high-frequency power experiments in New York and Colorado Springs. In 1893, he made pronouncements on the possibility of wireless communication with his devices. Tesla tried to put these ideas to practical use in his unfinished Wardencllyffe Tower project, an intercontinental wireless communication and power transmitter, but ran out of funding before he could complete it.

Nikola Tesla and the Electrical Future - Iwan Rhys Morus 2019-07-04

'[This] crisply succinct, beautifully synthesized study brings to life Tesla, his achievements and failures...and the hopeful thrum of an era before world wars.' - Nature Nikola Tesla is one of the most enigmatic, curious and controversial figures in the history of science. An electrical pioneer as influential in his own way as Thomas Edison, he embodied the aspirations and paradoxes of an age of innovation that seemed to have the future firmly in its grasp. In an era that saw the spread of power networks and wireless telegraphy, the discovery of X-rays, and the birth of powered flight, Tesla made himself synonymous with the electrical future under construction but opinion was often divided as to whether he was a visionary, a charlatan, or a fool. Iwan Rhys Morus examines Tesla's life in the context of the extraordinary times in which he lived and worked, colourfully evoking an age in which anything seemed possible, from capturing the full energy of Niagara to communicating with Mars. Shattering the myth of the 'man out of time', Morus demonstrates that Tesla was in all ways a product of his era, and shows how the popular image of the inventor-as-maverick-outsider was deliberately crafted by Tesla - establishing an archetype that still resonates today.

Nikola Tesla: The Extraordinary Life of a Modern Prometheus: The Entire Life Story - The History Hour 2018-04-26

Nikola Tesla pursued his ideas for wireless lighting and worldwide wireless electric power distribution in his high-voltage, high-frequency power experiments. Tesla explained the principles of the rotating magnetic field in an induction motor by demonstrating how to make a copper egg stand on end, using a device that he constructed known as the Egg of Columbus and introduced his new steam powered oscillator AC generator. Inside you'll read about A promising intellect Health complications Inventive work A troubled mind Unusual experiences Mental breakdown Controversial viewpoints A forgotten mind From breakdown to brainstorm Overshadowed by rivals Death of a forgotten mind And much more! Based on Tesla's new ideas for electrical equipment, including a thermo-magnetic motor idea, Alfred S. Brown and Charles F. Peck formed the Tesla Electric Company. Nikola Tesla developed an induction motor that ran on alternating current (AC), a power system format that was rapidly expanding in Europe and the United States because of its advantages in long-distance, high-voltage transmission.

Nikola Tesla's Diary - How I Lit Up the World - Melissa Young 2017-07-11

SPECIAL DEAL!!! Buy the paperback version of the book NOW to receive the kindle version (\$2.99) for FREE! Although Nikola Tesla findings and inventions completely changed the way in which we see the world today, we rarely come across his name in history and scientific books. Why is that? "Let the future

tell the truth and evaluate each one according to his work and accomplishments. The present is theirs; the future, for which I really worked, is mine." - Nikola Tesla. This quote of Tesla is an adequate mirror of the way he lived his life. Though he didn't receive the recognition he deserved when he was alive, that didn't stop him from thinking ahead of his time and 'brightening' the future. Today, we have him to thank for the light we take for granted. Though Tesla's greatest contribution to humanity would undoubtedly be the Alternating current, he also paved the way for the innovation of many products we use in our lives today, like radios, remote controls, etc. He was a genius with a photographic memory (imagine remembering everything you see and remember it vividly) and though unrecognized and unappreciated during his time, today he is regarded as one of the greatest scientific minds of all time. Tesla was a very interesting and quirky inventor, and there is so much information about him that is mind-boggling. Because Tesla was such an interesting and fascinating individual, this book is written as a fictional journal. While the journal is fictional, all the information about his life and timeline are based on facts. So sit back and have a wonderful time learning about Nikola Tesla and his life.

[A Life Electric](#) - Azadeh Westergaard 2021-07-27

A lyrical biography of the eccentric engineer and inventor Nikola Tesla "An elegant and enlightening look at a man who brightened the whole world." -Booklist, starred review Born at the stroke of midnight during a lightning storm, Nikola Tesla grew up to become one of the most important electrical inventors in the world. But before working with electricity, he was a child who loved playing with the animals on his family's farm in Serbia. An inventor since childhood, Tesla's patents encompassed everything from radar and remote-control technology to wireless communications. But his greatest invention was the AC induction motor, which used alternating currents (AC) to distribute electricity and which remains the standard for electric distribution today. Tesla's love of animals also remained constant throughout his life and led to his anointment as the Pigeon Charmer of New York for his devotion to nature's original wireless messengers. Exploring his groundbreaking inventions against the backdrop of his private life, A Life Electric introduces Nikola Tesla to young readers unlike ever before. Azadeh Westergaard's lyrical debut brings compassion and humanity to the legacy of the brilliant inventor, while the esteemed illustrator Júlia Sardà deftly brings him to life.

[Nikola Tesla for Kids](#) - Amy O'Quinn 2019-07-02

Nikola Tesla was a physicist, scientist, electrical engineer, and world-renowned inventor whose accomplishments faded into oblivion after his death in 1943. Tesla was undeniably eccentric and compulsive; some considered him to be somewhat of a "mad" scientist. But in reality, he was a visionary. Many of his ideas and inventions that were deemed impossible during his lifetime have since become reality. He was the first to successfully use rotating magnetic fields to create an AC (alternating current) electrical power supply system and induction motor. He is now acknowledged to have invented the radio ahead of Marconi. Among other things, he developed the Tesla coil, an oscillator, generators, fluorescent tubes, neon lights, and a small remote-controlled boat. He helped design the world's first hydroelectric plant at Niagara Falls. Nikola Tesla for Kids is the story of Nikola Tesla's life and ideas, complete with a time line, 21 hands-on activities, and additional resources to better understand his many accomplishments.

[Tesla](#) - W. Bernard Carlson 2015-04-27

Nikola Tesla was a major contributor to the electrical revolution that transformed daily life at the turn of the twentieth century. His inventions, patents, and theoretical work formed the basis of modern AC electricity, and contributed to the development of radio and television. Like his competitor Thomas Edison, Tesla was one of America's first celebrity scientists, enjoying the company of New York high society and dazzling the likes of Mark Twain with his electrical demonstrations. An astute self-promoter and gifted showman, he cultivated a public image of the eccentric genius. Even at the end of his life when he was living in poverty, Tesla still attracted reporters to his annual birthday interview, regaling them with claims that he had invented a particle-beam weapon capable of bringing down enemy aircraft. Plenty of biographies glamorize Tesla and his eccentricities, but until now none has carefully examined what, how, and why he invented. In this groundbreaking book, W. Bernard Carlson demystifies the legendary inventor, placing him within the cultural and technological context of his time, and focusing on his inventions themselves as well as the creation and maintenance of his celebrity. Drawing on original documents from

Tesla's private and public life, Carlson shows how he was an "idealist" inventor who sought the perfect experimental realization of a great idea or principle, and who skillfully sold his inventions to the public through mythmaking and illusion. This major biography sheds new light on Tesla's visionary approach to invention and the business strategies behind his most important technological breakthroughs.

[The Invention of Everything Else](#) - Samantha Hunt 2009

Brought together by a mutual fascination with pigeons, Louisa, a young chambermaid at the Hotel New Yorker, forms an unlikely friendship with the hotel's most famous and unusual resident, eccentric and pioneering inventor Nikola Tesla, during his final days. Reprint.

[Nikola Tesla on His Work with Alternating Currents and Their Application to Wireless Telegraphy, Telephony, and Transmission of Power](#) - Nikola Tesla 2002

Part one of the Tesla Presents series, this book contains the transcript of an extended pre-hearing interview with Nikola Tesla in which he chronicles his efforts directed towards the development of an earth-based system for wireless telecommunications. An Appendix section includes the description of a physical plant built for this purpose in 1901 as reported in foreclosure appeal proceedings. 103 photos and line-art illustrations, indexed.

[On Light and Other High Frequency Phenomena](#) - Nikola Tesla 2020-12-08

On Light and Other High Frequency Phenomena is a lecture by Nikola Tesla. He presents his attempts to develop a wireless lighting system based on near-field inductive and capacitive coupling.

[Networks of Power](#) - Thomas Parke Hughes 1993-03

Awarded the Dexter Prize by the Society for the History of Technology, this book offers a comparative history of the evolution of modern electric power systems. It described large-scale technological change and demonstrates that technology cannot be understood unless placed in a cultural context.

[Nikola Tesla](#) - Sean Patrick 2013-03-18

If you want to learn about one of history's most fascinating minds and uncover some of his secrets of imagination—secrets that enabled him to invent machines light years ahead of his time and literally bring light to the world—then you want to read this book. Imagination amplifies and colors every other element of genius, and unlocks our potential for understanding and ability. It's no coincidence that geniuses not only dare to dream of the impossible for their work, but do the same for their lives. They're audacious enough to think that they're not just ordinary players. Few stories better illustrate this better than the life of the father of the modern world, a man of legendary imaginative power and wonder: Nikola Tesla. In this book, you'll be taken on a whirlwind journey through Tesla's life and work, and not only learn about the successes and mistakes of one of history's greatest inventors, but also how to look at the world in a different, more imaginative way. Read this book now and learn lessons from Nikola Tesla on why imagination is so vital to awakening your inner genius, and insights into the real "secret" to creativity, as explained by people like Jobs, Picasso, Dali, and Twain.

[Experiments with Alternate Currents](#) - Nikola Tesla 2018-10-09

In the experiments such as performed this evening, we operate the coil either from a specially constructed alternator capable of giving many thousands of reversals of current per second, or, by disruptively discharging a condenser through the primary, we set up a vibration in the secondary circuit of a frequency of many hundred thousand or millions per second, if we so desire; and in using either of these means we enter a field as yet unexplored. It is impossible to pursue an investigation in any novel line without finally making some interesting observation or learning some useful fact. That this statement is applicable to the subject of this lecture the many curious and unexpected phenomena which we observe afford a convincing proof. By way of illustration, take for instance the most obvious phenomena, those of the discharge of the induction coil.

[War of the Currents](#) - Stephanie Sammartino McPherson 2012-11-01

In the early 1880s, only a few wealthy city dwellers enjoyed electric lighting in their homes. Everyone else had to make due with dirtier and more dangerous lighting technology, such as kerosene lanterns and gas lamps. Eager companies wanted to be among the first to supply electric power to more Americans. The early providers would set the standards—and they would reap great profits. Inventor Thomas Edison already had a leading role in the industry: he had invented the first reliable electrical light bulb. By 1882,

his Edison Electric Light Company was distributing electricity using a system called direct current, or DC. But an inventor named Nikola Tesla challenged Edison. Tesla believed that an alternating current—or AC—system would be better. With an AC system, one power station could deliver electricity across many miles, compared to only about one mile for DC. Each inventor had his backers. Business tycoon George Westinghouse put his money behind Tesla and built AC power stations. Meanwhile, Edison and his DC

backers said that AC was dangerous. They said that AC could easily electrocute people, so it should power the newly invented electric chair. Edison believed this negative association would sway public opinion toward DC power. The battle over which system would become standard became known as the War of the Currents. This exciting book tells the story of that war, the people who fought it, and the ways in which both kinds of electric power changed the world.