My Inventions Nikola Tesla


A deeply personal and inspiring memoir from one of the most celebrated and influential names in British sport. 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. Nikola Tesla was a Serbian-American inventor, physicist, mechanical engineer, electrical engineer, and futurist. He is best known for his contributions to the modern alternating current (AC) electrical supply system, the successful system in the "War of Currents" and the Tesla coil. Nikolas Tesla's patents and theoretical work helped form the basis of wireless communication and radio. He is also known for his high-voltage, high-frequency experimental work that inspired the development of wireless wireless transmission in his unfinished Wardenclyffe Tower project. Tesla's achievements and his abilities as a showman demonstrating his seemingly miraculous inventions made him world famous. He made a great deal of money from his patents, but he also spent a lot on numerous experiments over the years. In the last few decades of his life, he ended up living in diminished circumstances as a recluse in a series of New York City hotel rooms, occasionally issuing unusual statements to the press. Because of his pronouncements and the nature of his work over the years, Tesla gained a reputation in popular culture as the archetypal "mad scientist." He died penniless and in debt on 7 January 1943.My Inventions: The Autobiography of Nikola Tesla is a book compiled and edited by Ben Johnston detailing the work of Nikola Tesla. The content was largely drawn from a series of articles that Nikola Tesla had written for Electrical Experimenter magazine in 1919, when he was 63 years old. Tesla's personal account is divided into six chapters covering different periods of his life: My Early Life, My First Efforts At Invention, My Later Endeavors, The Discovery of the Rotating Magnetic Field, The Discovery of the Tesla Coil and Transformer, The Magnifying Transmitter, and The Art of Teleautomatics. 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 of Nikola Tesla's Autobiography At the age of 63 Tesla tells the story of his creative life. First published in 1919 in the Electrical Experimenter magazine Table of Contents![1]. My Early Life II. My First Efforts At Invention II. My Later Endeavors IV. The Discovery of the Tesla Coil and Transformer V. The Magnifying Transmitter VI. The Art of Teleautomatics Nikola Tesla (Serbian Cyrillic: ?????? ?????) 53. 10 July 1856 - 7 January 1943 was a Serbian American inventor, electrical engineer, mechanical engineer, 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 immigrating to the United States in 1884 for work at Edison in New York. 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 also involved in the corporate struggle between making alternating current or direct current the power transmission standard, referred to as the war of currents. Tesla went on to pursue his ideas of wireless lighting and electricity distribution in his high-voltage, high-frequency power experiments in New York and Colorado Springs and made early (1893) pronouncements on the possibility of wireless communication with his devices. He tried to put these ideas to practical use in his ill-fated attempt at intercontinental wireless transmission; his unfinished Wardenclyffe Tower project. In his lab he also conducted a range of experiments with mechanical oscillators/generators, electrical discharge tubes, and early X-ray imaging. He even built a wireless controlled boat which may have been the first such device ever exhibited. Tesla was renowned for his achievements and showmanship, eventually earning him a reputation in popular culture as an archetypal "mad scientist." His patents earned him a considerable amount of money, much of which was used to finance his own projects with varying degrees of success. He lived most of his life in a series of New York hotels, through his retirement. He died on 7 January 1943. One of science's great unsung heroes, Nikola Tesla (1856-1943) was a prophet of the electronic age. His research laid much of the groundwork for modern electrical and communication systems, and his impressive accomplishments include development of the alternating-current electrical system, radio, the Tesla coil transformer, wireless transmission, and fluorescent lighting. Yet his name and work are only dimly recognized today: Tesla's research was groundbreaking that many of his contemporaries failed to understand it, and other scientists are unjustly credited for his innovations. The visionary scientist speaks for himself in this volume, originally published in 1919 as a six-part series in Electrical Experimenter magazine. Tesla recounts his boyhood in Croatia, his schooling and work in Europe, his collaboration with Thomas Edison, and his subsequent research. This edition includes the essay "The Problem of Increasing Human Energy: With Special Reference to the Harnessing of the Sun's Energy," which anticipates latter-day advances in environmental technology. Written with wit and lyricism, this memoir offers fascinating insights into one of the great minds of modern science. "Nikola Tesla on free energy & wireless transmission of power" -- Cover. * Our summary is short, simple and pragmatic. It allows you to have the essential ideas of a big book in less than 30 minutes. By reading this summary, you will discover who Nikola Tesla is and how his inventions have influenced the modern world, especially in the field of electricity. You will also discover how: his eventful youth influenced his life; he fought hard for recognition of his genius; his contemporaries, and especially the press, took him for a madman. "My Inventions" is an autobiography composed of six articles written around 1900 and published in 1919. Indeed, the author felt that there was no urgency to publish his
Nikola Tesla (1857-1943), the revolutionary scientist who forever changed the scientific fields of electricity and magnetism. Due to his demonstration of wireless communication through radio, Nikola Tesla was widely recognized for his advancements in technology. This long essay, first published in Century Illustrated Magazine in June 1900, is yet another example of the genius of Serbian inventor Nikola Tesla and his contributions to the advancement of science.

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 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. 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 the 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. Nikola Tesla (1857-1943) was a revolutionary Serbian scientist who forever changed the scientific fields of electricity and magnetism. His research laid much of the groundwork for modern electrical and communication systems, and his impressive accomplishments include development of the alternating-current electrical system, radio, the Tesla coil transformer, wireless transmission, and fluorescent lighting. 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. 

Nikola Tesla: complete bibliography (p. 349-351). Escape into nature with Matt Baker in his first ever book - a diary of the natural year and a glimpse into family life on the farm. Peppered with his hand drawn sketches and moments from his TV career throughout, this is a heartfelt and fascinating insight into Matt's life outside of our TV screens. Matt Baker is at his happiest on the farm. Away from the bright lights of hosting our favourite television programmes, Countryfile, The One Show, Blue Peter and many more, he is often in the company of his family, dogs, array of sheep, Mediterranean miniature donkeys and a whole host of wildlife in the farm's ancient woodland. Now, following the ever-changing seasons, Matt takes us on a journey with his family on the farm. We see woodland animals emerge after a long winter of hibernation, hear the dawn chorus in the height of summer and see the preparations unfold for the harvest and wild winter months. Peppered with hand drawn sketches, unforgettable moments from his TV career and stories of a landscape you'll fall in love with, Matt offers readers a touching insight into life on the farm, and how the power and beauty of the countryside can be a source of inspiration and comfort for all of us. A celebration of the natural year, Matt Baker takes us on a journey through the seasons, his life on the farm and how the power and beauty of the countryside has made him who he is. Part philosophical ponderings on humanity's relationship to the universe, part scientific extrapolation on what technological advancement might bring to that understanding, this long essay, first published in Century Illustrated Magazine in June 1900, is yet another example of the genius of Serbian inventor NIKOLA TESLA (1857-1943), the revolutionary scientist who forever changed the scientific fields of electricity and magnetism. Due to his demonstration of wireless communication through radio, Nikola Tesla was widely admired for his incredible contributions to the advancement of science and technology.
respected as one of the greatest electrical engineers in America. In the United States, Tesla's fame rivaled that of any other inventor or scientist in history or popular culture. This book consists of Tesla's research for the practical development of a system for wireless transmission of power (electricity) -- the transmission of power from station to station. The notes are highly detailed, and clearly show his transmitting electricity without wires by means of his magnifying transmitter. A must-read for anyone interested in Tesla's revolutionary experiments with transmitters. History is written by the victors. But that is no comfort to those crossed out by the editor's pen. For years, science textbooks equated electricity and light with one man, Thomas Edison, while the genius whose pioneering electrical technologies truly power the modern world languished as a minor note in scientific history. Before the turn of the 20th century, electricity remained a mere scientific curiosity. Nikola Tesla, arguably more than anyone else, changed that. But Nikola's pioneering research in electricity represents only a portion of the scientific and technical innovations that elevated him to science godhood. Tesla not only expanded and revolutionized the work of his predecessors, he also leapfrogged ahead of his contemporaries to the next step. Nikola Tesla: My Life, My Research has three parts: Tesla's autobiography; Tesla's major research programs explained in simple words; and an eighty-page collection of rare photographs taken at several stages of Tesla's life; from his birth certificate, to the first photograph ever taken by phosphorescent light, to the last photograph before Tesla's death, in 1943. Witness the story of a Hungarian Knight, Aba, as he transforms from an evil man, who does selfish acts of his every whim, to a kind and noble man, who strives more than he does for himself. Watch him make hard life decisions and search for his one true love. Experience the story that had a great effect on Nikola Tesla's life, so stated by him in his autobiography, My Inventions. In this translated text, he states, after reading this book, that: "This work somehow awakened my dormant powers of will and I began to practice self-control. At first my resolutions faded like snow in April, but in a little while I conquered my weakness and felt a pleasure I never knew before - that of doing as I willed." This book is finally available to the English speaking community, having not been fully translated into English before, as far as the editor knows. Nikon 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 engineering booksTesla is most widely known for the magnetic unit that bears his name, but sadly little else. This book is a thoroughly entertaining way of correcting that injustice, a must for engineers,...
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 "idealistic" 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.

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. The Classic Autobiography "My Inventions" - Written by Nikola Tesla - 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 dicult 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. Nikola Tesla was one of the 20th century's great pioneers; his role in advancing electrical energy through the use of alternating current, and his stupendous engineering finesse, make this biography by journalist John J. O'Neill a fine read. Born in a Serbian village to a religious family, Nikola demonstrated an early interest in physics. The nascent science behind electricity - in the 1870s a mysterious, unharnessed force - became his passion. Though the young man's engineering aspirations were almost derailed when he contracted cholera, and later by Austro-Hungarian conscription, Tesla managed to enrol to study in Graz, Austria. A top-class student, tutors admiration for Tesla's gifts and boundless curiosity was tempered by concerns over his tendency to overwork. These attributes marked Tesla's professional life; an obsessively driven man, his gifts for invention were amply demonstrated and rewarded in the United States. As his ambitions grew in size and scope, Tesla was hailed as a visionary. Louisa is an imaginative and curious chambermaid who, while cleaning rooms at the New Yorker Hotel, stumbles across a man living permanently in room 3327, which he has transformed into a scientific laboratory. Brought together by a shared interest in the pigeons that nest in the hotel, Louisa discovers that the mysterious guest is Nikola Tesla, one of the most brilliant - and most neglected - inventors of the twentieth century. The Invention of Everything Else charts the relationship of the girl and the genius during the last week of Tesla's life, when sinister forces are closing in on him. As well as being an engaging literary mystery, this exceptional novel movingly tells the life story of this extraordinary man and also recounts the heartbeat and redemption of one ordinary family THIS IS A NEW EDITION of the famous series of articles by Nikola Tesla that appeared in The Electrical Experimenter magazine in 1919. Gathered together, they are unique in providing a glimpse into Tesla's mind and his private thoughts. It tells about the man, his motivations and the values that he held. The articles have been fully edited, and reformatted, and new illustrations have been added throughout. This is the best version of this text that is available. Reviews "Awesome book. I would highly recommend it to anyone interested in the life and works of Nikola Tesla. Not only is it an invitation to one of the greatest minds of the last century but a chance to get to know Tesla as a person, as the book is filled with anecdotes of his early life." "This book was nothing short of inspirational. I am in no way an electrical expert but this book makes me want to start a career in electrical engineering. After reading this informative autobiography of one of the world's greatest inventors, I started researching ways to learn basic electrical components and how they work hands-on" "If you know who Tesla was and his contribution to the civilized world of electronics then I do not need to say any more. This is not a technical book but an overview of his life and background material for his basic contributions." "Genius, genius, genius...the greatest electrical engineer who ever lived. Cannot get enough of this work. It is a must read for anyone in the electrical engineering profession. He is responsible for so much of what we take for granted today including our whole system for generation and distribution of AC electricity. Thank you Tesla, and thank you to the publishers for perpetuating his legacy." CONTENTS 1. My Early Life 2. My First Efforts at Invention 3. My Later Endeavors 4. The Discovery of the Tesla Coil and Transformer 5. The Magnifying Transmitter 6. The Art of Telautomatics The first chapter of another title by Nikola Tesla, The Problem of Increasing Human Energy, also published by A Distant Mirror, is included. In 1919 Nikola Tesla had his autobiography published in The Electrical Experimenter (Hugo Gernsback's magazine). The entire text was divided into 6 parts and published in February, March, April, May, June and October. Hugo Gernsback wrote an intro to every part and an extra article "Nikola Tesla The Man" that is more about Tesla's appearance. I reckon this article is a very valuable addition for anyone who would like to know Nikola Tesla. Today the text of Tesla's autobiography can be obtained from many sources, but none of them - as far as I know - include Gernsback's intro's and article, nor most of the illustrations. Also, most sources provide a slightly modified text. In most cases these modifications are insignificant, but to get a good feel of Tesla and his time, I believe the only way to do is to read the original text in the exact same form as it was published in 1919. So here it is, the original text in the original spelling with the original headers, commentaries and illustrations. This is as close as one can get to meeting Nikola Tesla. Tesla jolts and flows between the extraordinary life of the inventor Nikola Tesla, the making of a feature film about him by the celebrated director Almereyda, and episodes from the filmmaker's own restless, quixotic career. In these pages, we encounter Tesla's colleagues and friends intermingling with Almereyda's collaborators and influences: Thomas Edison and David Lynch, Mark Twain and Sam Shepard, Sarah Bernhardt and Ethan Hawke, J.P. Morgan and Orson Welles. A rich array of illustrations - vintage and personal photographs, film stills, drawings and comic-book art - enhance the sense of time travel and parallel histories, as we read of a scheme to transmit wireless energy through the earth, of the electrocution of an elephant, of fortunes made and surrendered, and of the obsessions that propel a scientist seeking to transform the world.
and a director seeking to make a movie. 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. This volume presents one of the richest and most comprehensive collections of writings by Nikolai Tesla, a founding figure of the modern electrical power industry and long-time rival of Thomas Edison. Included is Tesla's autobiography, My Inventions, and the lengthy philosophical essay "The Problem of Increasing Human Energy: With Special Reference to the Harnessing of the Sun's Energy," as well as a series of lectures: "A New System of Alternate Current Motors and Transformers," "On Electricity," and more. An Unabridged Edition with All 6 Chapters to include: My Early Life - How Tesla Conceived the Rotary Magnetic Field - The Discovery of the Tesla Coil & Transformer.