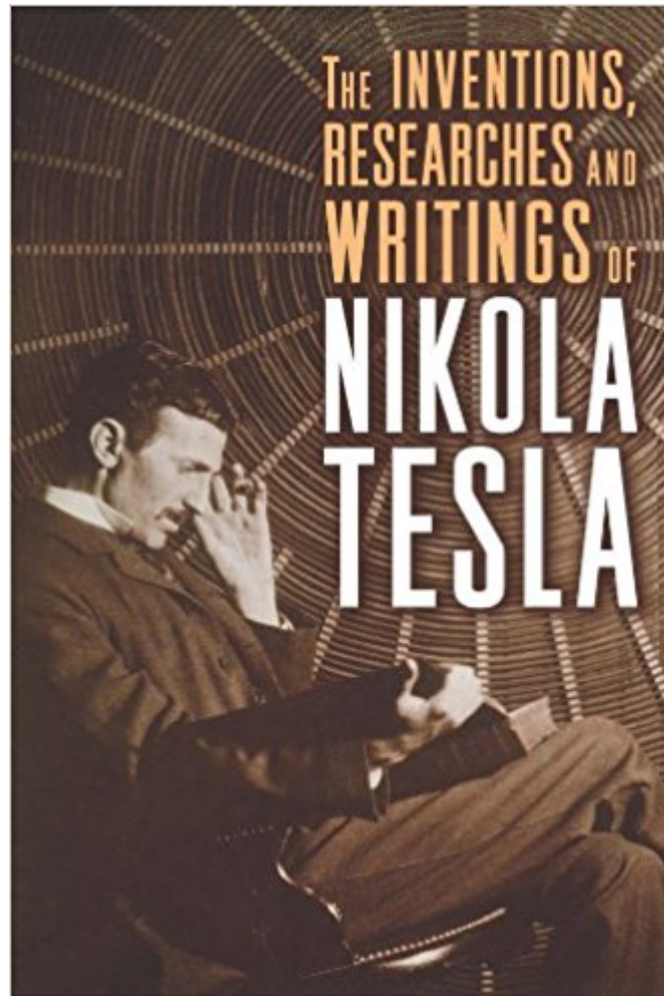




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# The Inventions, Researches And Writings Of Nikola Tesla



## Synopsis

During the early twentieth century, the eccentric and brilliant inventor Nikola Tesla blazed the path that electrical development followed for many years to come. This fascinating illustrated record of Tesla's pioneering work gathers many of his most famous findings and theories, allowing contemporary readers to experience the amazing range of his thinking. It includes lectures, articles, and discussions—particularly those bearing on polyphase motors and the effects obtained with currents of high potential and high frequency—and gives us a rare glimpse of a genius at work.

## Book Information

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## Customer Reviews

I've read a borrowed copy of this; seeing that I had it, I bought my own copy - I could see that digesting this material is going to take a while. The text is all here, unabridged. The image quality of the illustrations leaves a lot to be desired with this edition, however. It looks like a second-generation xerox in spots. If this is a problem, do yourself a favor and look for the 1980's hardcover reprint. The images are much better in that one. That said, the substance of this book is thoroughly recommended for the serious student of electrical engineering as well as fans of Tesla. Since this text was written in the late 1800s, and is reprinted here without alteration, the language can sometimes have the density of Shakespeare (without the poetry). Much of the phraseology has passed out of use in the last hundred years. This material is written for the intelligencia of Tesla's era, and not "dumbed down" for this age as many other books are. This is an advantage for

someone who wants an authoritative viewpoint on this subject (who more authoritative than Tesla!), but poisonous to the casual reader. Many of the inventions discussed in this book are now commonplace (for instance - the AC induction motor, fully described here, is in use everywhere). Nikola's own depth of understanding of the principles involved make this a thoroughly intense experience for those who are ready for it. Readers who can understand this material are going to experience the divine "Ah-ha" on a regular basis throughout this book. Others will be put to sleep. This book will separate the men from the boys very quickly. Robert English (Independence, OR) --<http://www..com/Inventions-Researches-Writings-Nikola-Tesla/dp/1564597113> When I was young I planned to write something along the lines of "an evaluation of Tesla's scientific contributions." Three things stopped me: 1) procrastination, 2) laziness, and 3) the impression that everyone who writes about Tesla will have a "kook" label stick to them for the rest of their lives. Why this is so is interesting, but first about the book. This is a reprint of one published a little more than a hundred years ago, and is most definitely not a "kook book." The author, Mr. Martin, writes a very good description of the nature and significance of Tesla's work up to about 1895. The second part of the book consists of reprints of lectures delivered by Tesla, apparently written by the great man himself. The book contains many good diagrams and illustrations. Both parts have the expected "old-fashioned" feel, but the book gives us a chance to compare Tesla's writing style with that of a contemporary. My own impression is that Tesla's writing style is fairly good as well as interesting, though perhaps even more florid than customary during that age. The book is rather long, and I would venture only two types are likely to read it in entirety: 1) historians of science, and 2) the Tesla sycophants. When the book was originally published Tesla was at the height of his powers. About that time his assertions started to become more and more grandiose, if not fantastic. Following the debacle of his "world wireless power transmission" scheme (just prior to WWI), his reputation suffered. Although he lived until 1941, in later life he tended to be increasingly seen as an eccentric loner and kook. He died in loneliness and poverty. OK, so why does a "kook" label tend to stick to anyone who has more than passing interest in Tesla? The first reason is, of course, the fantastic and eccentric claims Tesla made late in life. But by itself this is not enough - after all, even the great Newton dabbled in alchemy and the Book of Revelations late in life. To the first reason --<http://www..com/Inventions-Researches-Writings-Nikola-Tesla/dp/1564597113> A volume that records the early pioneering work of an electrical genius and inventor, in the same platform of Thomas Edison and Charles Steinmetz, Guglielmo Marconi and George Westinghouse, though never as well known. It shows in great detail not only the works of Tesla's experiments, but will give the reader a glimpse of the amazing range of his thinking. From alternating current generators to

Unipolar generators (generators being just one field of study) to theories and applications of polyphase currents and motors to high frequency and high potential currents, this gives the reader some basic understanding of his pioneering work. This is not about his life and times, and how this genius could understand the mysteries of electromagnetism but could not help himself when it comes to battling corporations represented by lawyers of JP Morgan. It may seem outdated, since the work was published in the 1890s. But nowhere can you find a book that will explain more about the foundations of his technical and scientific work. Noel Isler (Atlanta, GA)

--<http://www..com/Inventions-Researches-Writings-Nikola-Tesla/dp/1564597113> --This text refers to an alternate Paperback edition.

Nikola Tesla was born in Croatia in 1856. He emigrated to the United States in 1884 and worked for a short time for Thomas Edison. A pioneer in the field of high-tension electricity, Tesla made many discoveries and inventions of lasting value to the development of radio transmission and electricity, one of the most famous of which was the power system at Niagara Falls. He died in 1943.

This is a very detailed technical writing of Tesla's major inventions, and it was published in 1894 by Electrical Engineer Magazine. If you want to really dig into the essence of Tesla's inventions this is an good source. So is "The Complete Patents of Nikola Tesla" ISBN 1-56619-266-8 published 1994. The number of contributions he made to technology is incredible! This man was truly amazing and probably the greatest genius of all time. It's too bad he was such an eccentric and failed to share more of his work with his peers. Had this happened our world would probably be far more advanced technologically. But the works he did share drastically changed the world for the better. He is finally beginning to get the credit he is due. If he could have appropriately financed his endeavors, there is no telling what might have transpired.

I enjoyed the book, I found it fascinating that he essentially created simulations of his creations in his mind like we do on computers now! I am particularly impressed by the engineering spirit and how sincere this talented person expresses himself to timeless readership. Thank you! =) A++

This book is amazing at diving into the mind of Nicola Tesla in his own words. The illustrations are his works also. The man was brilliant even compared to todays standard of education. With that being said, unless you have a good understanding of electrical engineering this book my be a little to complicated. The contents of this book are the lectures giving by Nicola Tesla to groups of

engineers. So that would be the intended audience of this work. And that should be known up front as I have shown some of the drawings to seasoned electricians and they were baffled at his wiring illustrations.

I am involved with the Tesla Museum project on Long Island. These items were helpful in understanding the man. Thank you.

12 y/o son is fascinated with Tesla. He loves anything Tesla he can get his hands/eyes on.

Met my expectations. Thanks

Exhilarant review of Tesla.

My role model!

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