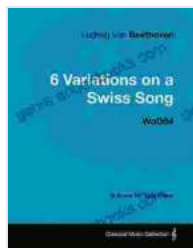


The Man Who Changed the World: A Biography of Nikola Tesla



Ludwig Van Beethoven - 6 Variations on a Swiss Song - WoO 64 - A Score for Solo Piano: With a Biography by Joseph Otten by Laura Lohman

★★★★☆ 4.4 out of 5

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Nikola Tesla was a brilliant inventor, engineer, and futurist who changed the world with his groundbreaking inventions in the fields of electricity, wireless communication, and robotics. This biography by Joseph Otten tells the story of Tesla's life and work, from his humble beginnings in Serbia to his rise to fame in the United States.

Tesla was born in Smiljan, Serbia, in 1856. He showed an early aptitude for mathematics and physics, and he went on to study engineering at the Polytechnic Institute in Graz, Austria. After graduating, Tesla worked for a variety of companies in Europe, before immigrating to the United States in 1884.

In the United States, Tesla worked for Thomas Edison's company, but he soon left to start his own company, the Tesla Electric Company. Tesla's

company developed a number of groundbreaking inventions, including the alternating current (AC) induction motor, the Tesla coil, and the fluorescent lamp.

Tesla's work had a profound impact on the development of the modern world. His AC induction motor is still used in electric motors today, and his Tesla coil is used in a variety of applications, including radio and television. Tesla's fluorescent lamp is also still used today, and it is one of the most efficient sources of artificial light.

Tesla was a brilliant inventor, but he was also a complex and controversial figure. He was often eccentric and outspoken, and he had a number of conflicts with other inventors and businessmen. However, there is no doubt that Tesla's inventions have had a profound impact on the world, and he is considered one of the greatest inventors of all time.

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Chapter 1: Early Life and Education

Nikola Tesla was born on July 10, 1856, in Smiljan, Serbia. His father, Milutin, was a Serbian Orthodox priest, and his mother, Djuka, was a devout woman who often prayed for her son to become a priest. Tesla had three older siblings, Dane, Milka, and Angelina.

Tesla showed an early aptitude for mathematics and physics. He could perform complex calculations in his head, and he was able to build working models of machines from his imagination. Tesla's teachers were impressed by his intelligence, but they were also concerned about his eccentric behavior. Tesla was often lost in his own thoughts, and he would sometimes spend hours working on a problem without eating or sleeping.

In 1875, Tesla enrolled at the Polytechnic Institute in Graz, Austria. He excelled in his studies, and he soon became one of the top students in his class. Tesla was particularly interested in electricity, and he spent many hours studying the work of Michael Faraday and James Clerk Maxwell.

Chapter 2: Immigration to the United States

In 1884, Tesla immigrated to the United States. He had heard about the great opportunities that were available in the United States, and he was eager to start his own company. Tesla arrived in New York City with only four cents in his pocket, but he was soon able to find a job as an electrical engineer.

Tesla worked for a variety of companies in the United States, including Thomas Edison's company. However, Tesla soon left Edison's company to start his own company, the Tesla Electric Company. Tesla's company

developed a number of groundbreaking inventions, including the alternating current (AC) induction motor, the Tesla coil, and the fluorescent lamp.

Chapter 3: The Tesla Electric Company

The Tesla Electric Company was founded in 1887. The company's first product was the alternating current (AC) induction motor. The AC induction motor is a more efficient and powerful motor than the direct current (DC) motor, and it quickly became the standard for electric motors.

The Tesla Electric Company also developed a number of other important inventions, including the Tesla coil, the fluorescent lamp, and the polyphase system of alternating current. The Tesla coil is a type of electrical transformer that can produce very high voltages. The fluorescent lamp is a type of light bulb that uses a fluorescent coating to produce light. The polyphase system of alternating current is a system of alternating current that uses multiple phases to transmit electricity.

Chapter 4: The War of the Currents

In the late 1880s, there was a fierce battle between Thomas Edison and Nikola Tesla over which type of electrical current would become the standard for the United States. Edison supported direct current (DC), while Tesla supported alternating current (AC).

DC is a simple type of electrical current that flows in one direction. AC is a more complex type of electrical current that flows in both directions. AC is more efficient and powerful than DC, but it is also more difficult to control.

Tesla won the War of the Currents when his AC induction motor was chosen to power the Niagara Falls Power Plant. The Niagara Falls Power

Plant was the first large-scale hydroelectric power plant in the United States, and it was a major victory for Tesla and AC.

Chapter 5: The Niagara Falls Power Plant

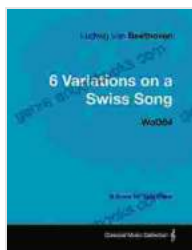
The Niagara Falls Power Plant was built in 1895. It was the first large-scale hydroelectric power plant in the United States, and it was a major victory for Tesla and AC. The power plant was designed by Tesla and it used his AC induction motors to generate electricity.

The Niagara Falls Power Plant was a major technological achievement, and it helped to make AC the standard for electrical power transmission in the United States. The power plant is still in operation today, and it is one of the most important sources of electricity in the Northeast United States.

Chapter 6: The Tesla Coil

The Tesla coil is a type of electrical transformer that can produce very high voltages. It was invented by Nikola Tesla in 1891. The Tesla coil is used in a variety of applications, including radio and television.

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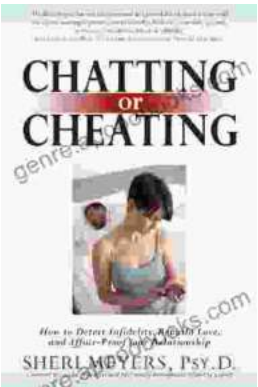
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