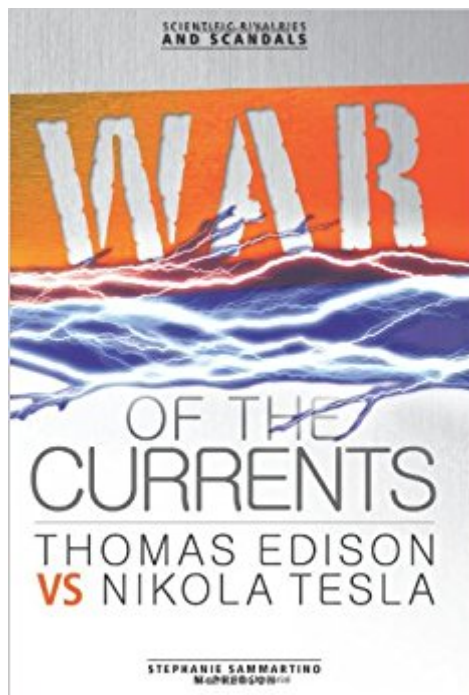




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War Of The Currents: Thomas Edison Vs Nikola Tesla (Scientific Rivalries And Scandals)



Synopsis

In the early 1880s, only a few wealthy people had electric lighting in their homes. Everyone else had to use more dangerous lighting, such as gas lamps. Eager companies wanted to be the first to supply electricity to more Americans. The early providers would set the standards and reap great profits. Inventor Thomas Edison already had a leading role in the industry: he had invented the first reliable electrical lightbulb. 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 could easily electrocute people. Edison believed this risk 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.

Book Information

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Series: Scientific Rivalries and Scandals

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Age Range: 12 - 17 years

Grade Level: 6 - 12

Customer Reviews

Gr 8 Up-These books showcase major scientific developments and the brutal competition behind the scenes. They are highly engaging accounts of researchers resorting to cheap shots, spying, and double crossing to take credit for pivotal discoveries. But they are also disturbing documentation of how ego can trump the greater good, as in the battle between Luc Montagnier and Robert Gallo over the discovery of the virus that causes AIDS. Proprietary arguments and fraud delayed progress in its identification, which undoubtedly came at the cost of lives. Written cleanly and fluidly, these titles let the drama and occasional absurdity of the players' actions speak for themselves. Captioned photographs and diagrams correspond well to the texts, while sidebars contribute additional facts. In-depth time lines are the most noteworthy of the strong supplementary features. This fascinating set would be equally useful in history and science classrooms. (c) Copyright 2011. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted.

Stephanie Sammartino McPherson wrote her first children's story in college. She enjoyed the process so much that she's never stopped writing. A former teacher and freelance newspaper writer, she has written twenty-eight books and numerous magazine stories. She especially enjoys writing about science and the human interest stories behind major discoveries. Her most recent book is a biography of Tim Berners-Lee, who invented the World Wide Web. Stephanie and her husband Richard live in Virginia but also call California home. They are the parents of two grown children.

This book is very short and concise and is written for 6th grade level. It is about 60 pages long and well illustrated. I also read Empires of Light and it tells much the same story in detail with adequate illustrations.

I wish it were a longer book. Great story about two wonderful minds with a silly difference that was beneath them both

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