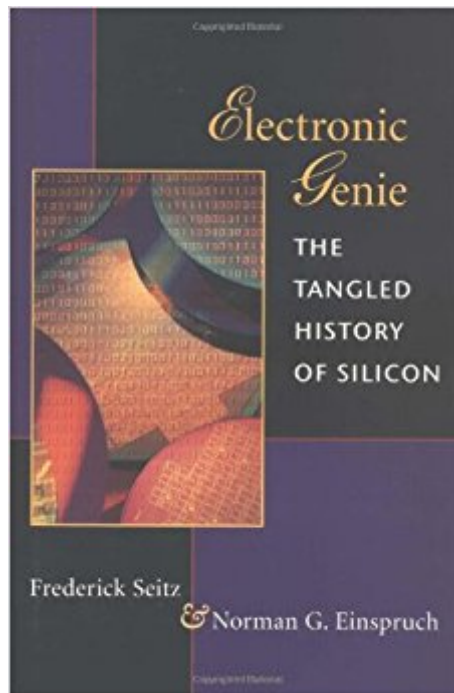




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Electronic Genie: THE TANGLED HISTORY OF SILICON



Synopsis

Electronic Genie takes its readers on a two-century journey that begins with Antoine Lavoisier's prediction of the existence of silicon as an element. It traces the emergence of silicon as key to the development of most forms of today's electronics and its role in making possible the revolutionary digital computer. Loaded with information about such original thinkers as Lavoisier, John Bardeen, Bill Gates, Patrick Haggerty, Gordon Moore, and many more, the volume traces the use of silicon in metallurgy, as a diode rectifier in wireless and radio, and ultimately as a nonlinear element for heterodyne mixing in radar during World War II. Electronic Genie will appeal to students of science and technology as well as to anyone interested in the history of these fields.

Book Information

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Customer Reviews

"In truth, one might say that this book has had at least a hundred authors.' This enlightening comment from the preface ... reveals its strongest feature -- the worldwide network of highly knowledgeable advisers and contributors that aided its thorough search into 'the tangled history of silicon'... Electronic Genie is a resounding success in providing a highly informative and stimulating account of this story." -- James D. Meindl, Nature

Readers beware, this is a great book but it requires some strong schooling on your part. If you come from an electrical engineering, material science or electrochemical background, this is the book for you. If not, you will certainly get lost during certain portions of the book. Having said that, this book

did provide some very useful insights into the history of silicon, why it has become prevalent and its various uses. Just be ready to skim some sections if you are not in the above mentioned fields.

Well written. Great summary of the history of electronics.

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