1. Record Nr. UNINA9910789595303321 Companion to Science in the twentieth century / / edited by John Krige **Titolo** and Dominique Pestre Pubbl/distr/stampa London:,:Routledge,,2003 **ISBN** 1-136-48332-2 1-136-48339-X 1-315-01560-9 Descrizione fisica 1 online resource (979 p.) Collana Routledge world reference series Altri autori (Persone) KrigeJohn **PestreDominique** Disciplina 509.04 Soggetti Science -- History -- 20th century Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali First published in The Netherlands by Routledge 1997. First published in paperback 2003--T.p. verso. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover; Title Page; Copyright Page; TABLE OF CONTENTS; List of Figures; List of Tables; List of Contributors; Introduction; CHAPTER I Historiography of ScienceAn American Perspective; CHAPTER 2 What is Science?; CHAPTER 3 On Seeing Brockenspectres Sex and Gender in Twentieth-Century Science; CHAPTER 4 Science, Political Power and the State: CHAPTER 5 Crafting and Disciplining the Tropics Plant Science in the French Colonies; CHAPTER 6 The Management of Society by Numbers; CHAPTER 7 Scientific Management and the Production **Process** CHAPTER 8 The Discovery of Growth Statistical Glimpses of Twentieth-Century ScienceCHAPTER 9 Academic Research, Technical Change and Government Policy; CHAPTER 10 Science and the UniversityPatterns from the US Experience in the Twentieth Century; CHAPTER 11 Science, Scientists, and the Military; CHAPTER 12 Innovation and the Modern Corporation From Heroic Invention to Industrial Science: CHAPTER 13 The Transformation of the Pharmaceutical Industry in the Twentieth Century; CHAPTER 14 The History of Electronics From Vacuum Tubes to Transistors CHAPTER 15 Science in Public Policy A History of High-Level

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Sommario/riassunto

With over forty chapters, written by leading scholars, this comprehensive volume represents the best work in America, Europe and Asia. Geographical diversity of the authors is reflected in the different perspectives devoted to the subject, and all major disciplinary developments are covered.
There are also sections concerning the countries that have made the most significant contributions, the relationship between science and industry, the importance of instrumentation, and the cultural influence of scientific modes of thought. Students and professionals will come to appreciate how, and why