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## Recent Publications on the History of Physics

A supplement to the Newsletter of The Center for History of Physics/Niels Bohr Library  
and The Forum for History of Physics, American Physical Society

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### ■ BOOKS

Compiled by Per F. Dahl and Eleanor Dahl, Berkeley, California, and the staff of the the Niels Bohr Library.

This list is the seventh of an annual series. It includes books on the history of modern physics and related topics (including astronomy, geophysics, and physics in medicine) published in 1997 or later. (See earlier lists for details on how the list is prepared.) Articles in journals are listed elsewhere in the Newsletter.

For more comprehensive coverage of publications on the history of science, consult the annual Current Bibliography in *Isis* (published by the University of Chicago Press for the History of Science Society). Publications on the history of astronomy are listed in the *Journal of Astronomical History and Heritage*.

We suggest that you use this list to recommend books for your institutional library; ISBN numbers are given, when available, for this purpose. Prices (which are for hardcover editions unless otherwise indicated) are subject to change by the publisher.

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**<http://www.aip.org/history/web-news.htm#bibl>**

All our bibliographies for all years can be searched on our Web site. Click on the "Search AIP Site" at the top of the page. You can select the area "History Center" to speed up the search. To search one year's bibliography only for, say, Einstein, enter [ Einstein AND "Fall 1999" ]

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## ■ PHILOSOPHY OF SCIENCE

**Butterfield, Jeremy; Pagonis, Constance** (eds.) *From physics to philosophy*. 235 pp. Cambridge: Cambridge University Press, 1999. ISBN: 0-521-66025-4 (hc) \$59.95.

**Chatelet, Gilles**. *Figuring space: Philosophy, mathematics, and physics*. Translated by **Robert Shore** and **Muriel Zgha**. (Science and Philosophy, Vol. 8.) 197 pp., illus., figs., apps. Dordrecht, Boston: Kluwer Academic Publishers, 2000. ISBN: 0792358805 (hc) \$138.00.

**Clatterbauch, Kenneth**. *The causation debate in modern philosophy 1637-1739*. xi + 239 pp., notes, bibl., index. New York and London: Routledge, 1999. ISBN: 0-415-91477-9 (pb) \$21.99.

**Franklin, Allan**. *Can that be right? Essays on experiment, evidence, and science*. (Boston studies in the philosophy of science, 199.) ix + 313 pp., notes, bibl., index. Dordrecht: Kluwer Academic Press, 1999. ISBN: 0792354648 (hc) \$114.00.

**Friedman, Michael**. *Reconsidering logical positivism*. xix + 252 pp., notes, biblio., index. Cambridge: Cambridge University Press, 1999. ISBN 62449-5 (hc) \$49.95. ISBN: 0-521-62476-2 (pb) \$18.95.

**Lakatos, Imre; Feyerabend, Paul**. *For and against method: Including Lakatos's lectures on scientific method and the Lakatos-Feyerabend correspondence*. Edited and with an introduction by **Matteo Motterlini**. 416 pp., illus., appendix, biographies, bibl. index. Chicago: University of Chicago Press, 1999. ISBN: 0-226-46774-0 (hc) \$ 34.00.

## ■ SCIENCE AND SOCIETY

**Braxton, John M.** (ed.) *Perspectives on scholarly misconduct in the sciences*. vi + 342 pp., notes, index. Columbus: Ohio State University Press, 1999. ISBN: 0814208150 (hc) \$50.00

**Hammerstein, Notker**. *Die Deutsche Forschungsgemeinschaft in der Weimarer Republik und im Dritten Reich: Wissenschaftspolitik in Republik und diktatur, 1920-1945*. 582 pp., illus., notes, bibl., index. MŸnchen: Beck, 1999. ISBN: 3-406-44826-7 (hc) \$ 37.65.

**Jammer, M. Einstein** and religion: *Physics and theology*. vii + 268 pp., illus., notes, index. Princeton: Princeton University Press, 1999. ISBN: 0-691-00699-7 (hc) \$22.95.

**Kohlstedt, Sally; Sokal, Michael M.; Lewenstein, Bruce V.** *The establishment of science in America: 150 Years of the American Association for the Advancement of Science*. Foreword by **Stephen Jay Gould**. xiv + 272 pp., append., notes, about the contributors, index. New Brunswick, NJ, London: Rutgers University Press, 1999. ISBN: 0-8135-2705-8 (hc) \$35.00.

**MacRakis, Kristie; Hoffman, Dieter** (eds.) *Science under socialism: East Germany in comparative perspective*. xiv + 380 pp., notes, bibl., index. Cambridge, MA and London: Harvard University Press, 1999. ISBN: 0-674-79477-X (hc) \$55.00.

**Park, Robert**. *Voodoo science: The road from foolishness to fraud*. x + 230 pp., index. Oxford: Oxford University Press, 2000. ISBN: 0-19-513516 (hc) \$25.00.

**Stern, F. R. Einstein's German World**. ix + 335 pp., notes, index. Princeton: Princeton University Press, 1999. ISBN: 0-691-05939-X (hc) \$24.95.

## ■ SCIENCE AND THE MILITARY; ATOMIC WEAPONS

**Brown, Louis.** A radar history of World War II: Technical and military imperatives. 576 pp., illus., index. Bristol and Philadelphia: Institute of Physics Publishing, 1999. ISBN: 0-7503-0659-9 (hc) \$38.00

**Perkovich, George.** India's nuclear bomb: The impact on global proliferations. xiii + 597 pp., illus., appendix, notes, index. Berkeley, Los Angeles, London: University of California Press, 1999. ISBN: 0-520-21772-1 (hc) \$39.95.

**Schweber, S. S.** In the shadow of the bomb: **Oppenheimer, Bethe**, and the moral responsibility of the scientist. xviii + 260 pp., illus, refs, index. Princeton: Princeton University Press, 2000. ISBN: 0-691-04989-0 (hc) \$24.95.

**Tsukerman, Veniamin A.; Azarkh, Zinaida A.** Arzamas-16: Soviet scientists in the nuclear age: A memoir. Translated by **Timothy Sergay**. Introduced and edited by **Michael Pursglove**. xxxiv + 182 pp., illus., notes, index. Nottingham, Eng.: Bramcote Press, 1999. ISBN 1-900405-04-0 (pb) \$28.65.

## ■ SCIENCE & TECHNOLOGY - ENERGY, EFFECTS ON ENVIRONMENT

**Mould, R. F.** Chernobyl record: The definitive history of the Chernobyl catastrophe. 350 pp., illus. Bristol and Philadelphia: Institute of Physics Publishing, 2000. ISBN: 0-7503-0670-X (hc) \$57.00.

**Stradling, David.** Smokestacks and progressives: Environmentalists, engineers, and air quality in America, 1881-1951. x + 270 pp., illus., notes, index. Baltimore: Johns Hopkins University Press, 1999. ISBN: 0-8018-6083-0 (hc) \$42.50.

## ■ SCIENCE & GOVERNMENT; PUBLIC POLICY

**Evangelista, M.** Unarmed forces: The transnational movement to end the cold war. ix + 406 pp., illus., refs. Cornell: Cornell University Press, 1999. ISBN: 0-8014-3628-1 (hc) \$39.95.

\***Pavlenko, Yu. V.; Ranyuk, Yu. N.; Khramov, Yu. A.** Delo UFTI, 1935-1938. [The UFTI 'case,' 1935-1938.] [History of the purges at the Ukranian Physico-Technical Institute.] 324 pp. Kiev: Feniks, 1998.

**Savage, James D.** Funding science in America: Congress, universities, and the politics of the academic pork barrel. xiii + 219 pp., tables, notes, bibl., index. Cambridge: Cambridge University Press, 1999. ISBN: 0-521-64315-5 (hc) \$49.95.

## ■ INSTITUTIONAL DEVELOPMENT OF SCIENCE

**Adams, Stephen B.; Butler, Orville R.** Manufacturing the future: A history of Western Electric. xi + 270 pp., illus., append., notes, bibl. essay, index. Cambridge, New York, Melbourne: Cambridge University Press, 1999. ISBN: 0-521-65118-2 (hc) \$34.95.

**Andersson-Skog, Lena; Krantz, Olle** (eds). Institutions in the transport and communications industries: State and private actors in the making of institutional patterns 1850-1990. xix + 359 pp., illus., bibl., notes on contributors, index. Canton, MA: Science History Publishers, 1999. ISBN: 0-881350201-2 (hc) \$49.95.

**Dubin, Steven C.** Displays of power: Memory and amnesia in the American museum. xiv + 289 pp., illus., notes, index. New York: New York University Press, 1999. ISBN: 0814718892 (hc) \$24.95. Includes chapters on the Freud exhibit at the Library of Congress and the Enola Gay exhibit.

**Fujimoto, Takahiro.** The evolution of a manufacturing system at Toyota. x + 380 pp., notes, bibl., index. New York: Oxford University Press, 1999. ISBN: 0195123204 (hc) \$39.95.

**Garfinkel, Simon L.** Architects of the information society: Thirty-five years of the Laboratory for Computer Science at MIT. Edited by **Hal Abelson**. xii + 72 pp., illus., notes, index. Cambridge, Mass.: MIT Press, 1999. ISBN: 0262071967 (hc) \$25.00.

**Lewis, John L., (ed)** 125 Years: The Physical Society and the Institute of Physics. xiii + 243 pp., illus., append. Bristol, UK, Philadelphia: Institute of Physics Publishing, 1999. ISBN: 0-7503-0609-2 (pb) \$25.00.

## ■ HISTORY OF SCIENCE

**Clark, William; Golinski, Jan; Schaffer, Simon** (eds.) The sciences in enlightened Europe. xiv + 566 pp., halftones, drawings. Chicago: University of Chicago Press, 1999. ISBN: 0-226-10939-9 (hc) \$85.00. ISBN: 0-226-10940-2 (pb) \$27.50.

**Derry, Gregory N.** What science is and how it works. xi + 311 pp., illus., notes, index. Princeton: Princeton University Press, 1999. ISBN: 0-691-05877-6 (hc) \$29.95.

**Dershowitz, Nacrium; Reingold, Edward M.** Calendrical calculations. xxi + 370 pp., illus., coda, index. Cambridge, New York, Melbourne: Cambridge University Press, 1999. ISBN: 0-521-56413-1 (hc) \$64.95. ISBN: 0-521-56474-3 (pb) \$23.95.

**Giere, Ronald N.** Science without laws. x + 286 pp., illus., tables, maps. Chicago: University of Chicago Press, 1999. ISBN: 0-226-29208-8 (hc) \$25.00.

**Hazen, Robert M.** The diamond makers. xiv + 244 pp., illus., epilogue, index. Cambridge, New York, Melbourne: Cambridge University Press, 1999. ISBN: 0-521-65474-2 (pb) \$15.95.

**Hermanowicz, Joseph C.** The stars are not enough: Scientists—Their passions and professions. xvi + 268 pp., illus., tables. Chicago: University of Chicago Press, 1998. ISBN: 0-226-32766-3 (hc) \$45.00. ISBN: 0-226-32767-1 (pb) \$15.00.

**Shapiro, Barbara J.** A culture of fact: England, 1550-1720. 296 pp. Ithaca, NY: Cornell University Press, 2000. ISBN: 0-8014-3686-9 (hc) \$42.50.

**Sobel, Dava.** Galileo's daughter: A historical memoir of science, faith, and love. ix + 420 pp., illus., bibl., notes, index. New York: Walker & Co., 1999. ISBN: 0-8027-1343-2 (hc) \$27.00.

**Van Berkel, Klaas; Van Helden, Albert; Palm, Lodewijk** (eds.). A history of Science in the Netherlands: Survey, themes and reference. xxviii + 659 pp., illus., abbrev., map, biographies, bibl., notes on contributions, index. Leiden, Boston, Köln: Brill, 1999. ISBN: 90-04-10006-7 (hc) \$212.00.

## ■ HISTORY OF PHYSICS

**Aczel, Amir D.** God's equation: **Einstein**, relativity, and the expanding universe. xvii + 236 pp., illus., refs., index. New York, London: Four Walls Eight Windows, 1999. ISBN: 1-56858-137-8 (hc) \$22.00.

**Barnett, M.R.; Muehry, H.; Quinn, H.R.; Albrecht, G.** The charm of strange quarks: Mysteries and revolutions in particle physics. 320 pp., illus. New York: Springer; College Park, MD: AIP Press, 2000. ISBN: 0-387-98897-1 (hc) \$39.95.

**Bazerman, Charles.** The languages of **Edison's** light. xii + 416 pp., illus, notes bibl., index. Cambridge, MA, London: The MIT Press., 1999. ISBN: 0-262-02456-X (hc) \$39.50.

**Bederson, Benjamin** (ed.) *More things in heaven and earth: A celebration of physics at the millenium.* xix + 841 pp., illus., notes, index. New York: Springer; College Park, MD: The American Physical Society, 1999. ISBN: 0387986626 (hc) \$69.95

**Beller, Mara.** *Quantum dialogue: The making of a revolution.* 365 pp. Chicago: University of Chicago Press, 1999. ISBN: 0-226-04181-6 (hc) \$35.00.

**Bohm, David and Biederman, Charles.** *Bohm-Biederman Correspondence*, **Pylkkänen, Paavo** (ed). xxi + 262 pp., bibl., index. London, New York: Routledge, 1999. ISBN: 0-415-1627-4 (hc) \$40.00.

**Fraser, Gordon.** *Antimatter: The ultimate mirror.* 213 pp., illus., index. Cambridge: Cambridge University Press, 2000. ISBN: 0-521-65252-9 (hc) \$24.95.

**Idlis, G. M.** (ed.) *Issledovaniia po istorii fiziki i mekhaniki, 1995-1997* [Historical studies in physics and mechanics, 1995-1997]. 288 pp. Moscow: Nauka, 1999.

**Jensen, Carsten.** *Controversy and consensus: Nuclear beta decay 1911-1934*, **Aaserud, F., Kragh, F. H., Stuewer, R., Rüdinger, E.** (eds). xv + 217 pp., illus., refs., index. Basel, Switzerland: Birkhäuser Verlag AG, 2000. ISBN: 3-7643-5313-9 (hc) \$79.95.

**Jesseph, Douglas M.** *Squaring the circle: The war between Hobbes and Wallis.* xiv + 419 pp., figs., append., refs., index. Chicago, London: University of Chicago Press, 1999. ISBN: 0-226-39899-4 (hc) \$28.00; ISBN: 0-226-39900-1 (pb) \$22.40.

**Klein, Étienne and Lachiéze-Rey, Marc.** *The quest for unity: The adventure of physics.* xiii + 158 pp., notes, index. New York, Oxford: Oxford University Press, 1999. ISBN: 0-19-512085-X (hc) \$24.00

**Kragh, Helge.** *Quantum generations: A history of physics in the twentieth century.* xiv + 494 pp. figs., append., further reading, bibl., index. Princeton: Princeton University Press, 1999. ISBN: 0-691-01206-7 (hc) \$29.95.

**Roberts, J. E.** *Meandering in medical physics: A personal account of hospital physics.* xvi + 181 pp., illus., index. Bristol, Philadelphia: Institute of Physics Publishing, 1999. ISBN: 0-7503-0494-4 (hc) \$70.00.

**Suplee, Curt. Franz, Judy R.; Ridgen, John S.** (eds.) *Physics in the 20th century.* 223 pp., illus., index. New York: Abraham, in association with American Institute of Physics, 1999. ISBN: 0810943646 (hc) \$49.50.

**Torretti, Roberto.** *The philosophy of physics.* 496 pp., illus. Cambridge: Cambridge University Press, 1999. ISBN: 0-521-56259-7 (hc) \$64.95. ISBN: 0-521-56571-5 (pb) \$23.95.

**Wilhelmsson, Hans.** *Fusion: A voyage through the plasma universe.* xxiii + 158 pp., appendices, fusion & plasma dictionary, glossary, subject index, character index. Bristol, Philadelphia: Institute of Physics Publishing, 1999. ISBN: 0-7503-0639-4 (pb) \$35.00.

## ■ HISTORY OF ASTRONOMY, ASTROPHYSICS, COSMOLOGY, & SPACE SCIENCE

**Burrough, Bryan.** *Dragonfly: NASA and the crisis aboard MIR.* 528 pp., illus., index. New York: Harper Collins, 1998. ISBN: 0887307833 (hc) \$26.95. ISBN: 0060932694 (pb) \$15.00.

**Christianson, John Robert.** *On Tycho's Island: Tycho Brahe and His Assistants, 1570-1601.* xii + 451 pp, illus., glossary of technical terms, notes, refs., index. Cambridge, New York, Melbourne: Cambridge University Press, 2000. ISBN: 0-521-65081-X (hc) \$34.95.

**Crouch, Tom D.** *Aiming for the stars: The dreamers and doers of the space age.* xiii + 338 pp., notes, bibl., index. Washington, London: Smithsonian Institution Press, 1999. ISBN: 1-56098-386-8 (hc) \$30.00.

**De Vorkin, David H.** (ed.) *The American Astronomical Society's First Century.* xii + 350 pp., illus., notes, glossary, index. Washington, D.C.: American Astronomical Society, 1999. ISBN: 1-56396-683-2 (hc) \$45.95.

**Harland, David M.** *Exploring the moon: The Apollo expeditions.* (Springer-Praxis series in space science and technology.) xxxi + 411 pp., illus., notes, index. New York: Springer, 1999. ISBN: 1-85233-099-6 (hc) \$39.95.

**Hoskin, Michael** (ed.) *Cambridge concise history of astronomy.* xiv + 362 pp., illus., notes, glossary, bibl., index. Cambridge: Cambridge University Press, 1999. ISBN: 0-521-57291-6 (hc) \$69.95. ISBN: 0-521-57600-8 (pb) \$26.95.

**Clive Ruggles, Michael Hoskin:** *Astronomy before history.* **Michael Hoskin:** *Astronomy in antiquity.*  
**Christopher Cullen:** *Astronomy in China.* **Michael Hoskin, Owen Gingerich:** *Islamic astronomy.*  
**Michael Hoskin:** *The astrolabe.* **Michael Hoskin, Owen Gingerich:** *Medieval Latin astronomy.* **Michael Hoskin:** *From geometry to physics: Astronomy transformed.* **J.A. Bennett:** *The telescope in the 17th century.* **Michael Hoskin:** *Newton and Newtonianism.* **Michael Hoskin:** *The astronomy of the universe of stars.* **David Dewhirst, Michael Hoskin:** *The message of starlight: The rise of astrophysics.* **Michael Hoskin, Owen Gingerich:** *Astronomy's widening horizons.*

**Kidger, Mark.** *The star of Bethlehem: An astronomer's view.* 300 pp., illus., halftones, tables. Princeton: Princeton University Press, 1999. ISBN: 0-691-05823-7 (hc) \$22.95.

**Klaus Hentschel and Axel D. Wittmann** (eds.) *The role of visual representations in astronomy: History and research practice.* 148 pp., 33 figs., name index. ISBN: 3-8171-1630-6. 24DM.

**Molnar, Michael R.** *The star of Bethlehem: The legacy of the Magi.* xvi + 187 pp., illus., notes., glossaries, bibl., index. New Brunswick, NJ, London: Rutgers University Press, 1999. ISBN: 0-8135-2701-5 (hc) \$25.00.

**Ruggles, C.** *Astronomy in prehistoric Britain and Ireland.* xi + 285 pp., illus., notes, bibl., index. New Haven: Yale University Press, 1999. ISBN: 0-300-07814-5 (hc) \$65.00.

**Schatzberg, Eric.** *Wings of wood, wings of metal: Culture and technical choice in American airplane materials, 1914-1945.* xv + 313 pp., illus., notes, index. Princeton, NJ: Princeton University Press, 1999. ISBN: 0-691-08773-3 (hc) \$49.50.

**Schefter, James.** *The race: The uncensored story of how America beat Russia to the moon.* xii + 303 pp., illus., index. New York: Doubleday, 1999. ISBN: 0385492537 (hc) \$24.95.

**Thompson, Milton O.; Peebles, Curtis.** *Flying without wings: NASA lifting bodies and the birth of the space shuttle.* x + 244 pp., illus., bibl., index. Washington: Smithsonian Institution Press, 1999. ISBN: 1560988320 (hc) \$29.00.

**Whitaker, Ewen A.** *Mapping and naming the moon: A history of lunar cartography and nomenclature.* xix + 242 pp., illus., bibl., index. Cambridge: Cambridge University Press, 1999. ISBN: 0-521-62248-4 (hc) \$59.95.

## ■ HISTORY OF EARTH SCIENCES

**Bolles, Edmund Blair.** *The ice finders: How a poet, a professor, and a politician discovered the ice age.* 257 pp., illus., notes, bibl. Washington, D.C.: Counterpoint, 1999. ISBN: 1-58243-030-6 (hc) \$23.76.

**Capelotti, P. J.** *By airship to the North Pole: An Archeology of Human Exploration.* xiii + 209 pp., illus., notes, bibl., index. New Brunswick, NJ, London: Rutgers University Press, 1999. ISBN: 0-8135-2633-7 (hc) \$26.00.

**Oreske, Naomi.** *The rejection of continental drift: Theory and method in American earth science.* xi + 420 pp., illus., notes, bibl., index. Oxford, New York: Oxford University Press, 1999. ISBN: 0-19-511732-8 (hc) \$60.00. ISBN: 511733 (pb) \$29.95.

**Royal Swedish Academy of Sciences.** The centennial of **S.A. Andree's** North Pole expedition. (Proceedings of a conference held in Longyearbyen, Svalbard, 16-17 August 1997 by the Center for History of Science of the Royal Swedish Academy of Sciences.) (Bidrag Till Kungl. Svenska Vetenskapsakademiens Historia, 29.) 212 pp., illus., figs., tables. Stockholm: Royal Swedish Academy of Sciences, 1999. (pb) \$18.00.

**Schröder, Wilfried.** Das Polarlicht. [In German, with an English introduction.] 177 pp., illus., bibl., index. Bremen-Rönnebeck: Science Edition, 1999. ISSN: 0179-5658 (pb) \$20.00.

**Stevens, William K.** The change in the weather: People, weather, and the science of climate. xxiii + 357 pp., sources, bibl., index. New York: Delacorte Press, 1999. ISBN: 0-385-32012-4 (hc) \$24.95.

## ■ HISTORY OF MATHEMATICS

**Begehr, H., Koch, H., Kramer, J., Schappacher, N., Thiele, E.-J.** Mathematics in Berlin, 200 pp. Boston: Birkhauser Boston, 1999. ISBN: 3-7643-5943-9 (pb) \$22.00.

**Fauvel, John; Flood, Raymond; Wilson, Robin** (eds.) Significant figures: A history of mathematics at Oxford. 272 pp., illus., appendices. Oxford, New York: Oxford University Press, 2000. ISBN: 0-19-852309-2 (hc) \$60.00.

**Gray, Jeremy J.** (ed.) The symbolic universe: Geometry and physics 1890-1930. xii + 289 pp., notes, index. Oxford, New York: Oxford University Press, 1999. ISBN: 0-19-850088-2 (hc) \$105.00.

**Kaplan, Robert.** The nothing that is: A natural history of zero. xi + 225 pp., illus., index. Oxford, New York: Oxford University Press, 1999. ISBN: 0-19-512842-7 (hc) \$22.00.

**McCartney, Scott.** ENIAC: The triumphs and tragedies of the world's first computer. viii + 262, illus., notes, bibl., acknowledgments, index. New York: Walker and Company, 1999. ISBN: 0-8027-1348-3 (hc) \$23.00.

**Zebrowski, Ernest, Jr.** A history of the circle: Mathematical reasoning and the physical universe. x + 215 pp., illus, append., notes, index. New Brunswick, NJ: Rutgers University Press, 1999. ISBN: 0-8135-2677-9 (hc) \$28.00.

## ■ HISTORY OF INSTRUMENTS

**Dekker, Elly** (ed.) Globes at Greenwich: A catalogue of the globes and armillary spheres in The National Maritime Museum. 592 pp., illus. Oxford, New York: Oxford University Press, 1999. ISBN: 0-19-856559-3 (hc) \$160.00.

**Jones, A.** Splitting the second: The story of atomic time. 192 pp., cartoons, photos, append. Bristol and Philadelphia: Institute of Physics Publishing, 2000. ISBN: 0-7503-0640-8 (pb) \$24.99.

**Millburn, John R.** The Adams of Fleet Street, instrument makers to **King George:** The history of a London business, 1735-1830. 384 pp., ibl. index. Brookfield, VT: Ashgate Publishing, 2000. ISBN: 0-7546-0080-7 (hc) \$104.95.

## ■ HISTORY OF TECHNOLOGY

**Hecht, Jeff.** City of light: The story of fiber optics. xii + 316 pp., illus., appendices, notes, index. Oxford, New York: Oxford University Press, 1999. ISBN: 0-19-510818-3 (hc) \$29.95.

**Hugill, Peter J.** Global communications since 1844: Geopolitics and technology. xviii + 277 pp., illus., glossary, bibl., index. Baltimore: Johns Hopkins University Press, 1999. ISBN: 0-8018-6039-3 (hc) \$55.00. ISBN: 0-8018-6074-1 (pb) \$24.95.

**Kroge, Harry von.** GEMA: Birthplace of German radar and sonar. 250 pp., illus. Bristol and Philadelphia: Institute of Physics Publishing, 2000. ISBN: 0-7503-0732-3 (hc) \$73.00.

**Launius, Roger D.** Innovation and the development of flight. x + 335 pp., illus., app., index. College Station: Texas A&M University Press, 1999. ISBN: 0890968764 (hc) \$44.95.

**Scaife, W. G. S.** From galaxies to turbines: Science, technology and the **Parsons'** family. 400 pp., illus. Bristol and Philadelphia: Institute of Physics Publishing, 2000. ISBN: 0-7503-0582-7 (hc) \$45.00.

**Schatzberg, Eric.** Wings of wood, wings of metal: Culture and technical choice in American airplane materials, 1914-1945. xv + 313 pp., illus., notes, index. Princeton: Princeton University Press, 1999. ISBN: 0-691-08773-3 (hc) \$49.50.

**Scott, Phil.** The pioneers of flight: A documentary history. xi + 234 pp., illus., index. Princeton: Princeton University Press, 1999. ISBN: 9-691-01117-6 (hc) \$24.95.

**Wolfe, John J.** Brandy, balloons & lamps: **Ami Argano**, 1750-1803. xiv + 192 pp., illus., appendices, notes, bibl., index to letters, index. Carbondale and Edwardsville: Southern Illinois University Press, 1999. ISBN: 0-8093-2278-1 (hc) \$59.95.

### ■ COLLECTED BIOGRAPHIES (3 or more Scientists)

**Feinberg, E. L.** Epokha i lichnost': Fiziki (Ocherki i vospominaniia) [Essays and recollections: Physicists: The epoch and the personality]. 302 pp. Moscow: Nauka, 1999. [Essays on: **I. E. Tamm, A. D. Sakharov, S. I. Vavilov, M. A. Leontovich, A. L. Mints, Niels Bohr, Werner Heisenberg, L. D. Landau**]

**Stern, Fritz.** Einstein's German world. ix + 335 pp., notes, index. Princeton, N.J.: Princeton University Press, 1999. ISBN: 0-691-05939-X (hc) \$24.95.

### ■ INDIVIDUAL BIOGRAPHIES & AUTOBIOGRAPHIES; analysis of scientist's work

[**Aiken, Howard**] **Cohen, I. Bernard, Howard Aiken:** Portrait of a computer pioneer. xx + 329 pp., illus., append., sources, index. Cambridge, MA, London: The MIT Press, 1999. ISBN: 0-262-032622-7 (hc) \$34.95.

[**Aiken, Howard**] Making numbers: **Howard Aiken** and the Computer. **I. Bernard Cohen** and **Gregory W. Welch**, (eds), with the cooperation of **Robert V. D. Campbell**. xvii + 279 pp., illus., append., index. Cambridge: The MIT Press. ISBN: 0-262-03263-5 (hc) \$40.00.

[**Anderson, Carl David**] Weiss, Richard J. (ed.) The discovery of anti-matter: The autobiography of **Carl David Anderson**, the youngest man to win the Nobel Prize. Forewords by **Mr. and Mrs. David Anderson**. xv + 144 pp., illus. Singapore: World Scientific, 1999. ISBN: 981-02-3680-8 (hc) \$28.00.

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