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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 eighth 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

**Carrier, Martin; Massey, Gerald J.; Ruetsche, Laura** (eds.) *Science at century's end: Philosophical questions on the progress and limits of science.* xii + 385 pp., index. Pittsburgh: University of Pittsburgh Press, 2000. ISBN 0-8229-4121-X (hc) \$65.00.

**Conant, James; Haugeland, John** (eds.) *The road since Structure: Thomas S. Kuhn.* xiii + 335 pp., illus. Chicago and London: The University of Chicago Press, 2000. ISBN 0-226-45798-2 (hc) \$25.00.

**Fuller, Steve. Thomas Kuhn:** A philosophical history for our times. xvii + 472 pp., refs., index. Chicago & London: The University of Chicago Press, 2000. ISBN 0-226-26894-2 (hc) \$35.00.

**Pesic, Peter.** *Labyrinth: A search for the hidden meaning of science.* 186 pp., illus., notes, index. Cambridge, MA & London: The MIT Press, 2000. ISBN 0-262-16190-7 (hc) \$21.95.

**Ziman, John.** *Real science: What it is, and what it means.* xii + 399 pp., bibl., index. Cambridge, New York: Cambridge University Press, 2000. ISBN 0-521-77229-X (hc) \$39.95.

## ■ SCIENCE AND SOCIETY

**Ames-Lewis, Francis** (ed.) **Sir Thomas Gresham** and Gresham College: Studies in the intellectual history of London in the sixteenth and seventeenth centuries. xi + 234 pp., illus., index. Aldershot, England: Ashgate Publishing Ltd., 1999. ISBN 1840146419 (hc) \$69.95.

**Bauer, Henry H.** *Science or Pseudoscience: Magnetic Healing, Psychic Phenomena, and Other Heterodoxies.* xiii + 275 pp., refs., index. Urbana and Chicago: University of Illinois Press, 2001. ISBN 0-252-02601-2 (hc) \$29.95.

**Campbell, George, Jr; Denes, Ronni; Morrison, Catherine** (eds.) *Access denied: Race, ethnicity, and the scientific enterprise.* xii + 340 pp., illus., tables, index. New York: Oxford University Press, 2000. ISBN 0-19-510774-8 (hc) \$65.00.

**Clark, William; Golinski, Jan; Schaffer, Simon** (eds.) *The sciences in enlightened Europe.* xi + 566 pp., illus., bibl., index. Chicago & London: The University of Chicago Press, 1999. ISBN 0-226-10940-2 (pb) \$27.50.

**Gardner, M.** *From the Wandering Jew to William F. Buckley: On Science, Literature, and Religion.* 350 pp., illus., bibl., refs. Amherst, N.Y.: Prometheus Books, 2000. ISBN 1-57392-852-6 (hc) \$27.00.

**Guston, David H.** *Between politics and science: Assuring the integrity and productivity of research.* xvii + 213 pp., illus., notes, refs., index. Cambridge, New York: Cambridge University Press, 2000. ISBN 0-521-6531-8 (hc) \$54.95.

**McConnell, Brian.** *Beyond Contact: A Guide to SETI and Communicating with Alien Civilizations.* vi + 417 pp., illus., gloss., bibl., index. Sebastopol, CA: O'Reilly & Associates, 2001. ISBN 0-596-00037-5 (hc) \$24.95.

**Murray, Margaret A. M.** *Women becoming mathematicians: Creating a professional identity in post-World War II America.* xviii + 277 pp., illus., tables, apps., notes, refs., index. Cambridge, MA & London: The MIT Press, 2000. ISBN 0-262-13369-5 (hc) \$29.95.

**Nedell, Allan A.** *Science, cold war and the American state. Lloyd V. Berkner and the balance of professional ideals.* 428 pp. Amsterdam: Harwood Academic Publishers, 2000. ISBN 90-5702-621-X (hc) \$60.00. ISBN 90-5702-622-8 (pb) \$28.00.

**Pohl, Frederik.** *Chasing Science: Science as a Spectator Sport.* 251 pp., app., index. New York: A Tom Doherty Book, 2000. ISBN 0-312-86711-5 (hc) \$23.95.

## ■ SCIENCE AND ART

**Miller, Arthur I.** Einstein, Picasso: Space, Time, and the Beauty That Causes Havoc. x + 357 pp., illus., notes, bibl., index. New York: Basic Books, 2001. ISBN 0-465-01859-8 (hc) \$30.00.

## ■ SCIENCE AND THE MILITARY; ATOMIC WEAPONS

**Canaday, John,** The nuclear muse: Literature, physics, and the first atomic bomb. xviii + 310 pp., frontis., illus., figs., bibl. Madison, Wis.: University of Wisconsin Press, 2000. ISBN 0-299-16854-9 (pb) \$22.95.

**MacLeod, Roy M.** (ed.) Science and the Pacific war: Science and survival in the Pacific, 1939-1945. xiii + 320 pp., illus., bibl., index. Dordrecht, Boston, London: Kluwer Academic Publishers, 2000. Boston Studies in the Philosophy of Science. ISBN 0-7923-5851-1 (hc) \$149.00.

**Mindell, David A.** War, technology, and experience aboard the USS Monitor. xii + 187 pp., frontis., illus., bibl., index. Baltimore/London: The Johns Hopkins University Press, 2000. ISBN: 0801862493 (hc) \$35.00. ISBN: 0801862507 (pb) \$14.95.

**Palevsky, Mary.** Atomic fragments: A daughter's questions. xiv + 289 pp., illus., bibl., index. Berkeley, CA: University of California Press. 2000. ISBN 0-520-22055-2 (hc) \$24.95.

**Redmond, Kent C.; Smith, Thomas M.** From Whirlwind to MITRE: The R&D story of the SAGE Air Defense Computer. ix + 355 pp., illus., notes, bibl., index. Cambridge, MA & London: The MIT Press, 2000. ISBN 0-262- 18201-7 (hc) \$49.95.

**Twigge, Stephen; Scott, Len.** Planning Armageddon: Britain, the United States and the command of Western nuclear forces 1945-1964. x + 374 pp., gloss., bibl., index. Amsterdam: Harwood Academic Publishers, 2000. ISBN 90-5823-006-6 (hc) \$52.00.

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

**Walker, Samuel J.** Permissible dose: A history of radiation protection in the twentieth century. xii + 168 pp., illus., essay on sources, index. Berkeley, CA: University of California Press. 2000. ISBN 0-520-22328-4 (hc) \$35.00.

**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

**Medawar, Jean; Pyke, David.** Hitler's Gift: The True Story of the Scientists Expelled by the Nazi Regime. xx + 268 pp., illus., apps., bibl., notes, index. New York: Arcade Publishing, 2001. ISBN 1-55970-564-7 (hc) \$25.95.

**Rojecki, Andrew.** Silencing the Opposition: Antinuclear Movements and the Media in the Cold War. 195 pp., figs., tables, bibl., index. Champaign: University of Illinois Press, 1999. ISBN 0252025105 (hc) \$37.50; ISBN 0252068246(pb) \$16.95.

**Snead, David L.** The Gaither Committee: Eisenhower, and the Cold War. x + 286 pp., illus., bibl. Index. Columbus: Ohio State University, 1999. ISBN 0814208053 (hc) \$50.00; ISBN 081425005X (pb) \$19.95.

## ■ INSTITUTIONAL DEVELOPMENT OF SCIENCE

**Bud, Robert; Gummett, Philip** (eds.) Cold war, hot science: Applied research in Britain's defense laboratories 1945-1990. xix + 426 pp., illus., figs., index. Amsterdam: Harwood Academic Publishers, 1999. ISBN 90-5702-481-0 (hc) \$62.00.

**Lindqvist, Svante** (ed.). *Museums of modern science*. With **Marika Hedin and Ulf Larsson**, (ass't. eds.). (Nobel Symposium, 112.) xii + 200 pp., illus., figs., index. Canton, Mass.: Science History Publications, 2000. ISBN: 0881352977 (hc) \$39.95. ISBN: 0881352993 (pb) \$24.95.

## ■ HISTORY OF SCIENCE

**Kollerstrom, Nicholas**. *Newton's forgotten Lunar theory: His contribution to the quest for longitude*. xxii + 257 pp., illus., app., bibl., index. Santa Fe, NM: Green Lion Press, 2000. ISBN 1-888009-08-X (hc) \$59.95.

**Krauss, Lawrence M.** *Atom: An Odyssey from the Big Bang to Life on Earth ... and Beyond*. xii + 305 pp., illus., index. Boston: Little, Brown and Company, 2001. ISBN 0-316-49946-3 (hc) \$26.95.

**White, Michael**. *Acid Tongues and Tranquil Dreamers: Tales of Bitter Rivalry that Fueled the Advancement of Science and Technology*. xiii + 430 pp., notes, bibl., index. New York: William Morrow, 2001. ISBN 0-380-97754-0 (hc) \$26.00.

## ■ HISTORY OF PHYSICS

**Bartusiak, Marcia**. *Einstein's unfinished symphony: Listening to the sounds of space-time*. 249 pp., illus. Washington: Joseph Henry Press, 2000. ISBN 0-309-06987-4 (hc) \$24.95.

**Bodanis, David**. *E = mc<sup>2</sup>: A Biography of the World's Most Famous Equation*. x + 337 pp., illus., app., notes, index. New York: Walker & Company, 2000. ISBN: 0-8027-1352-1 (hc) \$25.00

[**Boltzmann, Ludwig**] **Lindley, David**. *Boltzmann's Atom: The Great Debate that Launched a Revolution in Physics*. xi + 260 pp., bibl., notes, index. New York: The Free Press, 2001. ISBN 0-684-85186-5 (hc) \$35.50.

**Chown, Marcus**. *The Magics Furnace: The Search for the Origin of Atoms*. 232 pp., gloss., bibl., index. Oxford: Oxford University Press, 2001. ISBN 0-19-514305-1 (hc) \$25.00.

**D'Agostino, Salvo**. *A history of the ideas of theoretical physics: Essays on the nineteenth and twentieth century physics*. xviii + 381 pp., notes, bibl., primary sources, index. Norwell, MA: Kulwer Academic Press, 2000. Boston Studies in the Philosophy of Science. ISBN 0-7923-6094-X (hc) \$169.00. Includes essays organized into 14 sections.

**Darrigol, Olivier**. *Electrodynamics from Ampere to Einstein*. xix + 532 pp., illus., bibl., index. Oxford: Oxford University Press, 2000. ISBN 0-19-850594-9 (hc) \$130.00.

**Duck, I.; Sudarshan, E.C.G.** *100 Years of Planck's Quantum*. xii + 545 pp., illus., refs., indexes. River Edge, N.J.: World Scientific, 2000. ISBN 981-02-4309-X (hc) \$86.00.

**Ginzburg, Vitaly L.** *The Physics of a Lifetime: Reflections on the Problems and Personalities of 20<sup>th</sup> Century Physics*. xiii + 513 pp., refs. Berlin, Heidelberg, New York: Springer Verlag, 2001. ISBN 3-540-67534-5 (hc) \$74.95

**Gribon, V.N.; 'tHooft, G.; Veneziano, G.; Weisskopf, V.F.** *The Creation of Quantum Chromodynamics and the Effective Energy, in Honour of A. Zichichi on the Occasion of the Galvani Bicentenary Celebration*. Edited by **L.N. Lipatov**. xviii + 351 pp., figs. Singapore: World Scientific, 2000. ISBN 981-02-4141-0 (hc) \$113.00,

**Helm, Georg**. *The historical development of energetics*. Transl. by **Robert J. Deltete**. 409 pp., index. Norwell, MA: Kulwer Academic Press, 2000. ISBN 0-7923-5874-0 (hc) \$180.00.

**Holton, Gerald; Brush, Stephen G.** *Physics, the Human Adventure: from Copernicus to Einstein and Beyond*. xv+582 pp., illus., bibl., index. Rev. ed. of: *Introduction to Concepts and Theories in Physical Science*, 1952. New Brunswick, NJ: Rutgers University Press, 2001. ISBN 0-8135-2907-7 (hc) \$75.00, 0-8135-2908-5 (pb) \$39.00.

**Kostro, L.** Einstein and the Ether. 242 pp. Montreal: Apeiron, 2000. ISBN 0-9683689-4-8 (pb) \$25.00.

**Malin, Shimon.** Nature Loves to Hide: Quantum Physics and the Nature of Reality, a Western Perspective. xv + 288 pp., illus., apps., notes, bibl., index. Oxford: Oxford University Press, 2001. ISBN 0-19-513894-5 (hc) \$27.50.

**Taylor, N.** Laser: The Inventor, the Nobel Laureate, and the Thirty-Year Patent War. 304 pp. New York: Simon & Schuster, 2000. ISBN 0-684-83515-0 (hc) \$27.50.

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

**Alpher, Ralph A.; Herman, Robert.** Genesis of the Big Bang. viii + 214 pp., illus., apps., index. Oxford: Oxford University Press, 2001. ISBN 0-19-511182-6 (hc) \$29.95.

**Cole K.C.** The Hole in the Universe: How Scientists Peered Over the Edge of Emptiness and Found Everything. xii + 274 pp., bibl., index. New York: Harcourt, Inc., 2001. ISBN 0-15-100398-X (hc) \$24.00.

**Harvey, B.** Russia in Space: The Failed Frontier? 330 pp. New York: *Springer-Praxis Books in Astronomy and Space Sciences*. Springer Verlag, 2001. ISBN 1-85233-203-4 (pb) \$34.50.

**Henry, John.** Moving Heaven and Earth: Copernicus and the Solar System. iv + 156 pp., illus., gloss., further reading. Duxford, Cambridge, UK: Icon Books Ltd., 2001. ISBN 1-84046-251-5 (pb) \$9.95.

**Launius, Roger D., Logsdon, John M., Smith, Robert W.** (eds.) Reconsidering Sputnik: Forty Years Since the Soviet Satellite. 432 pp. Amsterdam: Harwood Academic Publishers, 2000. ISBN 90-5702-623-6 (hc) \$55.00.

**Peebles, C.** Asteroids: A History. vii + 280 pp., illus., bibl., refs., index. Washington, D.C.: Smithsonian Institution Press, 2000. ISBN 1-56098-389-2 (hc) \$29.95.

**Selin, H.** (ed.) Astronomy across Cultures: The History of Non-Western Astronomy. xxiii + 665 pp., illus., maps, bibl., refs., index. Norwell, Mass.: Kluwer Academic, 2000. ISBN 0-7923-6363-9 (hc) \$345.00.

**Shapiro, Robert.** Planetary dreams: The Quest to Discover Life Beyond Earth. xiv + 306 pp., frontis., illus., index. New York/Chichester, England: John Wiley and Sons, 1999. ISBN 0471179361 (hc) \$27.95.

**Standage, T.** The Neptune File: A Story of Astronomical Rivalry and the Pioneers of Planet Hunting. x + 240 pp., illus., bibl., refs., index. New York: Walker, 2000. ISBN 0-8027-1363-7 (hc) \$24.00.

**Willford, John Noble** (ed.) Cosmic Dispatches: The *New York Times* Reports on Astronomy and Cosmology. 316 pp., illus., index. New York: W.W. Norton & Co., 2001. ISBN 0-393-04937-X (hc) \$26.95.

## ■ HISTORY OF EARTH SCIENCES

**Kneu, Simon J.** The culture of English geology, 1815-1851. A science revealed through its collecting. xxi + 377 pp., illus., bibl., index. Aldershot, England: Ashgate Publishing Ltd., 2000. ISBN 1-84014-625-7 (hc) \$104.00.

**Lewis, C.** The Dating Game: One Man's Search for the Age of the Earth. ix + 253 pp., illus, maps, bibl., refs. New York: Cambridge University Press, 2000. ISBN 0-521-79051-4 (hc) \$24.95.

## ■ HISTORY OF MATHEMATICS

**Flannery, Sarah; Flannery, David.** In Code: A Mathematical Journey. ix + 341 pp., illus., apps., bibl., index. New York: Workman Publishing Company, 2000. ISBN 0-7611-2384-9 (hc) \$24.95.

**Hawking, Thomas.** Emergence of the Theory of Lie Groups: An Essay in the History of Mathematics, 1869-1926. xiii + 564 pp., illus., refs., index. Berlin, Heidelberg; New York: Springer Verlag, 2000. ISBN 0-387-98963-3 (hc) \$79.95.

## ■ HISTORY OF INSTRUMENTS

**Chen, Xiang.** Instrumental traditions and theories of Light: The uses of instruments in the Optical Revolution. 240 pp, illus., notes, refs., app., name Index, subject index. Dordrecht, Boston, London: Kluwer Academic Publishers, 2000. ISBN 0-7923-6349-3. (hc) \$99.00.

Comparisons of explanatory power; explanatory power and classification, classification and use of instruments, the dispute over dispersion; the discovery of the 'polarity of light'; the measurements of the intensity of light; instrumental traditions; the geometric tradition and the wave theory of light; the visual tradition and the closure of the Optical Revolution.

**Jackson, Myles W.** Spectrum of belief: **Joseph von Fraunhofer** and the craft of precision optics. x + 284 pp., illus., app., notes, bibl., index. Cambridge, Mass., and London: The MIT Press, 2000. ISBN 0-262-10084-3 (pb) \$35.00.

## ■ HISTORY OF TECHNOLOGY

**Abbate, Janet.** Inventing the Internet. x + 264 pp., illus., figs., tables, bibl. Index. Cambridge, Mass.: MIT Press, 1999. ISBN 0-262-01172-7 (hc) \$27.50.

**Agar, John.** Turing and the Universal Machine: The Making of the Modern Computer. ii + 153 pp., illus. Duxford, Cambridge, UK: Icon Books, 2001. ISBN 1-84046-250-7 (pb) \$9.95.

**Barger, M. Susan; White, William B.** The Daguerreotype: Nineteenth-Century Technology and Modern Science. 272 pp., illus., bibl., refs., index. Baltimore: The Johns Hopkins University Press, 2000. ISBN 0-8018-6458-5 (pb) \$21.50.

**Beauchamp, K.G.** A History of Telegraphy: Its Technology and Application. 408 pp. bibl., index. Edison, NJ: The Institution of Electrical Engineers, 2001. ISBN 0-85296-792-6 (hc) \$95.00.

**Blühm, Andreas; Lippincott, Louise.** Light! The Industrial Age 1750-1900. Art & Science, Technology & Society. 272 pp. London: Thames & Hudson, 2001. ISBN 0-500-51029-6 (hc) \$55.00.

**Davis, M.** The Universal Computer: The Road from **Leibniz** to **Turing**. xii + 257 pp., illus., bibl., refs., index. New York: W.W. Norton, 2000. ISBN 0-393-04785-7 (hc) \$26.95.

**Higgs, Eric; Light, Andrew; Strong, David.** Technology and the good life? xii + 392 pp., index. Chicago & London: The University of Chicago Press, 2000. ISBN 0-226-33387-6 (pb) \$25.00.

**Hirsh, Richard F.** Power Loss: The Origins of Deregulation and Restructuring in the American Electric Utility Industry. xii + 406 pp., illus., figs., tables, bibl., index. Cambridge, Mass.: MIT Press, 1999. ISBN 0-262-08273-X (hc) \$52.95.

**Hughes, Agatha C.; Hughes, Thomas P.** Systems, experts, and computers: The systems approach in management and engineering, World War II and after. 513 pp., notes, index. Cambridge, MA & London: The MIT Press, 2000. ISBN 0-262-08285-3 (hc) \$50.00.

**Johnston, S. F.** A History of Light and Colour Measurement: A Science in the Shadow. Approx. 300 pp., illus. Bristol and Philadelphia: Institute of Physics Publishing, 2001. ISBN 0-7503-0754-4 (hc) \$75.00.

**Morton, David.** Off the Record: The Technology and Culture of Sound Recording in America. iv + 220 pp., illus., index. New Brunswick, NJ/London: Rutgers University Press, 2000. ISBN 0-8135-2746-5 (hc) \$50.00; ISBN 0-8135-2747-3 (pb) \$22.00.

**Naughton, John.** A Brief History of the Future: From Radio Days to Internet Years in a Lifetime. xv + 327 pp., notes, glossary, index. Woodstock and New York: The Overlook Press, 2000. ISBN 1-58567-032-4 (hc) \$29.95.

**Packer, Randall; Jordan, Ken.** Multimedia: From Wagner to Virtual Reality. xxxi + 394 pp., illus., notes & refs., index. New York: W.W. Norton & Co., 2001. ISBN 0-393-04979-5 (hc) \$27.95.

**Pollard, Sidney.** Essays on the industrial revolution in Britain. Eds. **Colin Holmes**; introduction by **Peter Mathias**. 350 pp. Brookfield, VT: Ashgate. 2000. ISBN 99-86078-794-X (hc) \$96.95.

**Ryszczynski, Witold.** One Good Turn: A Natural History of the Screwdriver and the Screw. 173 pp., illus., gloss., notes, index. New York: Scribner, 2000. ISBN 0-684-86729-X (hc) \$22.00.

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

**Pais, Abraham.** The genius of science: A portrait gallery of 20<sup>th</sup> century physicists. 356 pp., illus., figs., index. New York: Oxford University Press, 2000. ISBN 0-19-850614-7 (hc) \$30.00.

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

[**Alpert, Yakov**] **Alpert, Yakov.** Making Waves: Stories from My Life. 260 pp. New Haven, Conn.: Yale University Press, 2000. ISBN 0-300-07821-8 (hc) \$30.00.

[**Baird, John Logie**] **Burns, Russell.** **John Logie Baird**, Television Pioneer. 450 pp., illus., apps., index. Edison, NJ: The Institution of Electrical Engineers, 2001. ISBN 0-85296-797-7 (hc) \$95.00.

[**Baird, John Logie**] **McLean, Donald F.** Restoring **Baird's** image. xvii + 295 pp., illus., annex, bibl., index. London: The Institution of Electrical Engineers, 2000. ISBN 0-85296-795-0 (hc) \$55.00. Biography of **John Logie Baird**, Britain's foremost television pioneer.

[**Blumlein, A. D.**] **Burns, Russell.** The life and times of **A. D. Blumlein**. xxvi + 534 pp., illus., apps., index. London: Institution of Electrical Engineers, in assoc. with the Science Museum, 2000. ISBN 0-85296-773-X (hc) \$95.00.

[**Brage, DeWitt Bristol**] **Cahan, David; Rudd, M. Eugene.** Science at the American frontier: A biography of **DeWitt Bristol Brage**. xiv + 209 pp., illus., app., notes, bibl., index. Lincoln, London: University of Nebraska Press, 2000. ISBN 0-8032-1508-8 (hc) \$45.00.

[**Einstein, Albert**] **Mih, W.C.** The Fascinating Life and Theory of **Albert Einstein**. xiv + 137 pp., illus., bibl., refs, index. Huntington, N.Y.: Nova Science, 2000. ISBN 1-56072-786-1 (hc) \$27.95.

[**Fermi, Enrico**] **Cooper, Dan.** **Enrico Fermi** and the revolutions of modern physics. 120 pp. New York: Oxford University Press. 1999. ISBN 0-19-511762-X (pb) \$21.00.

[**Fleming, Sanford**] **Blaise, Clark.** Time Lord: Sir Sandford Fleming and the Creation of Standard Time. xv + 256 pp., bibl., index. New York: Pantheon Books, 2000. ISBN 0-375-40176-8 (hc) \$ 21.00.

[**Jenkin, Fleeming**] **Cookson, Gillian; Hempstead, Colin, A.** Victorian scientist and engineer: **Fleeming Jenkin** and the birth of electrical engineering. 280 pp, list of patents, biblio., index. Brookfield, VT: Ashgate Publishing, 2000. ISBN 0-7546-0079-3 (hc) \$78.95.

[**Kraft, Chris**] **Kraft, Chris.** Flight: My Life in Mission Control. viii + 371 pp., illus., index. New York: Dutton, 2001. ISBN 0-525-94571-7 (hc) \$25.95.

[**Kuhn, Thomas**] **Bird, Alexander.** **Thomas Kuhn**. xii + 304 pp., illus., bibl., refs., index. Princeton: Princeton University Press, 2001. ISBN 0-691-05710-9 (pb) \$18.95; ISBN 0-691-05709-5 (hc) \$65.00.

[**Planck, Max**] **Heilbron, J. L.** The dilemmas of an upright man: **Max Planck** and the fortunes of German science. xiii + 254 pp., afterword, 2000, bibl., index. Cambridge, MA & London: Harvard University Press, reprint 2000. ISBN 0-674-00439-6 (pb) \$16.95.

[Swinger, Julian] Mehra, Jagdish; Milton, Kimball A. Climbing the mountain: The scientific biography of **Julian Schwinger**. xii + 677 pp., illus., apps., name index, subj. index. Oxford, New York: Oxford University Press, 2000. ISBN 0-19-850658-9 (hc) \$75.00.

[Schonland, Basil] Austin, B. A. Schonland: Scientist and Soldier. 664 pp., illus. Bristol and Philadelphia: Institute of Physics Publishing, 2001. ISBN 0-7503-0501-0 (hc) \$73.50.

[Van Hove, Léon] Giovannini, A. (ed.) The Legacy of **Léon Van Hove**. xvii + 570 pp. Singapore: World Scientific, 2000. ISBN: 98102243308 (hc) £55.00.

[See also Taylor, N. under **HISTORY OF PHYSICS**; Jackson, Myles W. under **HISTORY OF INSTRUMENTS**]

### ■ COLLECTED WORKS OF SCIENTISTS (including unpublished papers)

[Feynman, Richard] Selected papers of **Richard Feynman** (with commentary). Edited by **Laurie M. Brown**. xii + 600 pp., illus., bibl., refs., index. Singapore: World Scientific. ISBN 981-02-4130-5 (hc) \$96.00; ISBN 981-02-4131-3 (pb) \$58.00.

[van Kampen, N.G.] Meijer, P.H.E. (ed.) Views of a Physicist: Selected Papers of **N.G. van Kampen**. x + 290 pp., illus., bibl., refs., index. River Edge, N.J.: World Scientific, 2000. ISBN 981-02-4357-X (hc) \$74.00.

### ■ TEXT, LECTURES & POPULAR WRITING BY SCIENTISTS

**Bernstein, Jeremy**. The Merely Personal: Observations on Science and Scientists. vii + 245 pp., index. Chicago: Ivan R. Dee, Publisher, 2001. ISBN 1-56663-344-3 (hc) \$26.00.

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