

## Books Received

**The Adjunction Theory of Complex Projective Varieties.** Mauro C. Beltrametti and Andrew J. Sommese. De Gruyter, Hawthorne, NY, 1995. xxii, 398 pp., illus. \$89.95 or DM 178 or öS 1.389 or sFr 171. De Gruyter Expositions in Mathematics, vol. 16.

**Altered Fates.** Gene Therapy and the Retooling of Human Life. Jeff Lyon and Peter Gorner. Norton, New York, 1995. 636 pp., illus. \$27.50 or \$C35.

**Being Digital.** Nicholas Negroponte. Knopf, New York, 1995. viii, 245 pp. \$23 or \$C32.

**Beyond Individualism.** Michael J. Piore. Harvard University Press, Cambridge, MA, 1995. vi, 215 pp. \$22.95.

**Biochemical Spectroscopy.** Kenneth Sauer, Ed. Academic Press, San Diego, CA, 1995. xxviii, 816 pp., illus. \$110. Methods in Enzymology, vol. 246.

**Capillary Electrophoresis.** Dale R. Baker. Wiley, New York, 1995. xviii, 244 pp., illus. \$49.95. Techniques in Analytical Chemistry.

**Cellular Cancer Markers.** Carleton T. Garrett and Stewart Sell, Eds. Humana, Totowa, NJ, 1995. xii, 484 pp., illus. \$125. Contemporary Biomedicine.

**Conflicting Paths.** Growing Up in America. Harvey J. Graff. Harvard University Press, Cambridge, MA, 1995. xvi, 426 pp. \$39.95.

**Drug Absorption Enhancement.** Concepts, Possibilities, Limitations and Trends. A. G. de Boer, Ed. Harwood, Langhorne, PA, 1994 (distributor, International Publishers Distributor, Brooklyn, NY). xvi, 490 pp., illus. \$120 or £78 or ECU 100. Drug Targeting and Delivery, vol. 3.

**Dusty and Dirty Plasmas, Noise, and Chaos in Space and in the Laboratory.** Hiroshi Kikuchi, Ed. Plenum, New York, 1994. xvi, 591 pp., illus. \$139.50. From a workshop, Tokyo, Japan, March 1992.

**Early Vision and Beyond.** Thomas V. Papthomas, Ed. MIT Press, Cambridge, MA, 1995. xii, 271 pp., illus. \$60.

**Eat the Weeds.** Ben Charles Harris. Keats, New Canaan, CT, 1995. ii, 254 pp. Paper, \$12.95. Reprint, 1969 edition.

**Economic Choice Theory.** An Experimental Analysis of Animal Behavior. John H. Kagel, Raymond C. Battalio, and Leonard Green. Cambridge University Press, New York, 1995. xii, 230 pp., illus. \$49.95.

**Emblems of Mind.** The Inner Life of Music and Mathematics. Edward Rothstein. Times (Random House), New York, 1995. xx, 264 pp., illus. \$25 or \$C35.

**From Eros to Gaia.** Freeman Dyson. Penguin, New York, 1995. xii, 371 pp. Paper, \$12.95 or £8.99. Reprint, 1992 edition.

**Functional Morphology in Vertebrate Paleontology.** Jeff Thomason, Ed. Cambridge University Press, New York, 1995. xiv, 277 pp., illus. \$69.95.

**Geometry from a Differentiable Viewpoint.** John McCleary. Cambridge University Press, New York, 1995. xii, 308 pp., illus. \$54.95; paper, \$22.95.

**Geometry of Constrained Dynamical Systems.** John M. Charap, Ed. Cambridge University Press, New York, 1995. xiv, 335 pp. \$39.95. Publications of the Newton Institute.

**Hazards Due to Comets and Asteroids.** Tom Gehrels, Ed. University of Arizona Press, Tucson, 1995. xiv, 1300 pp., illus. \$75. Space Science.

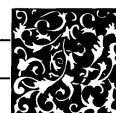
**The Hemopoietic Colony-Stimulating Factors.** From Biology to Clinical Applications. Donald Metcalf and Nico Anthony Nicola. Cambridge University Press, New York, 1995. xii, 338 pp., illus. \$64.95.

**Inducible Gene Expression.** Vol. 1, Environmental Stresses and Nutrients. P. A. Baeuerle, Ed. Birkhäuser, Cambridge, MA, 1995. xii, 284 pp., illus. \$85. Progress in Gene Expression.

**Industrial Color Testing.** Fundamentals and Techniques. Hans G. Völz. VCH, New York, 1995. xiv, 377 pp., illus. \$115. Translated from the German edition by Ben Teague.

**Knowledge-Based Systems for General Reference Work.** John V. Richardson, Jr. Academic Press, San Diego, CA, 1994. xx, 357 pp., illus. \$49.95. Library and Information Science.

**Learning Biochemistry.** 100 Case Oriented Problems. Richard F. Ludueña. Wiley-Liss, New York, 1995. xxiv, 313 pp., illus. Paper, \$24.95.



## Vignettes: Psychopharmacology

To the prehistoric Mesoamericans, the cacao tree was the embodiment of the Earth's treasures and spiritually represented a bridge between Earth and the heavens. . . .

Today, chocolate is the food of romance. People have long thought of it as an aphrodisiac, especially in modern Western societies. Its pleasure is part pharmacological, part psychological, part physical. Chocolate contains more than three hundred identified chemical substances, including theobromine and methylxanthine—two mildly addictive caffeine-like substances—and phenylethylamine, a stimulant chemically similar to the human body's own dopamine and adrenaline. Phenylethylamine acts on the brain's "mood centers" and presumably induces the emotion of falling in love, a matter of only partly understood brain chemistry.

—Allen M. Young, in *The Chocolate Tree: A Natural History of Cacao* (Smithsonian Institution Press)

Several years ago while browsing through an old bookstore in Portland, Oregon, I came upon a fascinating two-volume book published in 1855 entitled *The Chemistry of Common Life*. A section of this book starts with the title "The Narcotics We Indulge In" and proceeds to describe tobacco; the hop; the poppy; Indian hemp; the betel nut; the pepperworts, coca and thorn apples; the Siberian fungus; and the "minor" narcotics. After reading this section, I was impressed by the knowledge of the scientific community of the early 1800s; for example, they had determined that 1% of ingested "morphia" is excreted in urine and that children have been poisoned by the milk of nurses who had taken laudanum.

—John A. Adamovics, in *Analysis of Addictive and Misused Drugs* (John A. Adamovics, Ed.; Dekker)

**The Lives of the Neutron Stars.** M. A. Alpar, Ü. Kiziloglu, and J. van Paradijs, Eds. Kluwer, Norwell, MA, 1994. xvi, 576 pp., illus. \$269 or £176.50 or Dfl. 420. NATO ASI Series C, vol. 450. From an institute, Kemer, Turkey, Aug.-Sept. 1993.

**Membrane Abnormalities in Sickle Cell Disease and in Other Red Blood Cell Disorders.** S. Tsuyoshi Ohnishi and Tomoko Ohnishi, Ed. CRC Press, Boca Raton, FL, 1994. xiv, 290 pp., illus. \$114. CRC Series in Membrane-Linked Diseases.

**Models in Phylogeny Reconstruction.** Robert W. Scotland, Darrell J. Siebert, and David M. Williams, Eds. Published for the Systematics Association by Clarendon (Oxford University Press), New York, 1994. xii, 360 pp., illus. \$98. Systematics Association Special Volume no. 52. From a meeting, Aug. 1993.

**Molecular Crystals.** J. D. Wright. 2nd ed. Cambridge University Press, New York, 1995. xiv, 221 pp., illus. \$49.95; paper, \$22.95.

**Neurobehavioral Methods and Effects in Occupational and Environmental Health.** Shunichi Araki *et al.*, Eds. Academic Press, San Diego, CA, 1994. xxxii, 1020 pp., illus. \$49. From a symposium, Tokyo, Japan, 1991. Reprinted from *Environmental Research*, vol. 63 (1993).

**Neurovascular Immunology.** Vasoactive Neurotransmitters and Modulators in Cellular Immunity and Memory. Thomas C. Moore. CRC Press, Boca Raton, FL, 1994. xviii, 456 pp., illus. \$187.

**Oncogenes.** Geoffrey M. Cooper. 2nd ed. Jones and Bartlett, Boston, 1995. xvi, 384 pp., illus. \$52.50. Jones and Bartlett Series in Biology.

**OPStime.** The Secret to Perfect Timing for Success. Robert Taylor. Longstreet Press, Marietta, GA, 1994. xiv, 154 pp., illus. \$22.95.

**The Papers of Thomas A. Edison.** Vol. 3. Menlo Park. The Early Years. April 1876–December 1877. Robert A. Rosenberg *et al.*, Eds. Johns Hopkins University Press, Baltimore, MD, 1995. xlviii, 727 pp., illus. \$65.

**Parasitoid Community Ecology.** Bradford A.

Hawkins and William Sheehan, Eds. Oxford University Press, New York, 1994. x, 516 pp., illus. \$89.

**Polarity.** From Electromagnetic Origins to Biological Take-Over. Gilbert Turian. Verlag Dr. Kovac, Hamburg, Germany, 1994. iv, 522 pp., illus. Paper, DM148.

**Principles of Polymer Chemistry.** A. Ravve. Plenum, New York, 1995. xiv, 496 pp., illus., + diskette. \$59.50.

**Research in Psychology.** Methods and Design. C. James Goodwin. Wiley, New York, 1995. xxii, 480 pp., illus. Paper, \$61.95.

**River Out of Eden.** A Darwinian View of Life. Richard Dawkins. BasicBooks, New York, 1995. xvi, 172 pp., illus. \$20 or \$C26.75. Science Masters.

**Science and Limnology.** Frank H. Rigler and Robert H. Peters. Ecology Institute, Oldendorf/Luhe, Germany, 1995. xxvi, 239 pp., illus. DM74. Excellence in Ecology, 6.

**Science and the Detective.** Selected Reading in Forensic Science. Brian H. Kaye. VCH, New York, 1995. xviii, 388 pp., illus. \$90; paper, \$39.95.

**Techniques in Protein Chemistry VI.** John W. Crabb, Ed. Academic Press, San Diego, CA, 1994. xx, 585 pp., illus. \$110; spiralbound, \$55.

**The Technological Transformation of Japan.** From the Seventeenth to the Twenty-first Century. Tessa Morris-Suzuki. Cambridge University Press, New York, 1994. x, 304 pp., illus. \$59.95; paper, \$18.95.

**Understanding and Representing Space.** Theory and Evidence from Studies with Blind and Sighted Children. Susanna Millar. Clarendon (Oxford University Press), New York, 1994. xii, 313 pp., illus. \$65.

**Views from My Underground Ivory Tower.** A Collection of 60 Essays on Science and Society. Gabor B. Levy. International Scientific Communications, Shelton, CT, 1995. 232 pp., illus. Paper, \$10.99.

**Why Zebras Don't Get Ulcers.** A Guide to Stress, Stress-Related Diseases, and Coping. Robert M. Sapolsky. Freeman, New York, 1995. xiv, 368 pp., illus. Paper, \$12.95.