

health patterns, zoonoses in relation to the evolution of disease, interaction among diseases, and the diagnosis of paleopathologies related to occupation. There follow 10 papers on methods, concerned among other topics with analysis of ancient brain tissue, paleoparasitology, soft tissue calcification, and interpretation of ceramic representations of medical conditions and procedures. An ensuing group of seven papers is focused on assessment of health and disease in particular populations—North American Plains Indians, Afro-Americans of the post-Reconstruction era, Japanese of various periods, prehistoric Danes, and aboriginal peoples of Chile and Australia. The remainder of the volume is given over to particular pathologies, with two to three papers each on tuberculosis, leprosy, arthritis, trauma, tumors, dental disease, and miscellaneous conditions. Geographical areas represented by these studies range from ancient Egypt through Britain to California and the Andes.

Noting "the problems inherent in writing in another language," the editors assume responsibility for some rewriting of the contributions. They have also provided brief summaries of discussions that followed the original presentations. Their final conclusion is that "the ultimate adoption of even a fraction of the new methods discussed [in the volume] can be expected to change the nature of paleopathologic study more during the coming decade than it has enjoyed during the past century."—K.L.

**AIDS Research Reviews.** Vol. 1. WAYNE C. KOFF, FLOSSIE WONG-STAAI, and RONALD C. KENNEDY, Eds. Dekker, New York, 1991. xviii, 458 pp., illus. \$150.

*AIDS Research Reviews* joins an earlier annual series, *AIDS Clinical Reviews*, from the same publisher. In keeping with the general plan for the series, this first volume contains reviews (usually five each) in five general areas. The treatment of the first area, molecular biology, opens with a discussion of the regulatory proteins of the human immunodeficiency viruses by Rosen and Dillon and includes papers on cellular regulation of HIV gene expression (Nabel), HIV envelope variability (Goudsmit *et al.*), and the relations among primate lentiviruses (Johnson *et al.*). A second group of reviews is devoted to host responses, authors here being Rosenberg and Fauci, Vermund *et al.*, Goedert, Fenijo and Norrby, and Kunsch and Wigdal and topics discussed including sexual and perinatal transmission and the possible role of cofactors, among others. A group of papers on animal models then includes considerations of infection in chimpanzees, horses, and mice (SCID and trans-

genic). Discussions of efforts to develop drugs and vaccines occupy the rest of the volume. Authors concerned with drug development focus on HIV-1 protease, CD4 molecules, hybridization inhibition, immunotoxins, and retroviral vector-mediated gene transfer. The treatment of vaccines includes considerations of the use of whole inactivated simian immunodeficiency virus, synthetic peptides, neutralizing antibodies, recombinant live-virus vectors, and anti-CD4 idiotypes. Each chapter has its own reference list (in some cases extending to 1990), and for the volume as a whole there is a 22-page subject index.—K.L.

## Reprints of Books Previously Reviewed

**Aldo Leopold.** His Life and Work. Curt Meine. University of Wisconsin Press, Madison, 1991. Paper, \$19.95. *Reviewed* 241, 1237 (1988).

**At the Heart of the Bomb.** The Dangerous Allure of Weapons Work. Debra Rosenthal. Addison-Wesley, Reading, MA, 1991. Paper, \$9.95. *Reviewed* 250, 574 (1990).

**Bryozoan Evolution.** Frank K. McKinney and Jeremy B. C. Jackson, Eds. University of Chicago Press, Chicago, IL, 1991. Paper, \$15.95. *Reviewed* 245, 422 (1989).

**Night Thoughts of a Classical Physicist.** Russell McCormach. Harvard University Press, Cambridge, MA, 1991. Paper, \$9.95. *Reviewed* 216, 880 (1982).

**What Little I Remember.** Otto R. Frisch. Cambridge University Press, New York, 1991. Paper, \$10.95. *Reviewed* 207, 1068 (1980).

## Books Received

**Atherosclerosis.** Cellular and Molecular Interactions in the Artery Wall. Avrum I. Gotlieb, B. Lowell Langille, and Sergey Fedoroff, Eds. Plenum, New York, 1991. x, 278 pp., illus. \$79.50. Altschul Symposia Series, vol. 1. From a symposium, Saskatoon, Canada, April 1990.

**Atlas of IR Spectra of Organophosphorus Compounds (Interpreted Spectrograms).** R. R. Shagidulin, *et al.*, Eds. Nauka, Moscow, and Kluwer, Boston, MA 1990. viii, 344 pp. \$182. Translated from the Russian edition (Moscow, 1984).

**Atmospheric Aerosols.** Global Climatology and Radiative Characteristics. Guillaume A. d'Almeida, Peter Koepke, and Eric P. Shettle. Deepak, Hampton, VA, 1991. xx, 561 pp., illus. \$110. Studies in Geophysical Optics and Remote Sensing.

**The Avian Model in Developmental Biology.** From Organism to Genes. Nicole Le Douarin, Françoise Dieterlen-Lievre, and Julian Smith, Eds. Centre National de la Recherche Scientifique, Paris, 1990. x, 319 pp., illus. 250 F. From a workshop, Paris, Dec. 1989.

**A-Z of Snake Keeping.** Chris Mattison. Sterling, New York, 143 pp., illus. \$24.95.

**Biology of Methylophilic Bacteria.** Israel Goldberg and J. Stefan Rokem, Eds. Butterworth-Heinemann, Boston, MA, 1991. xxii, 360 pp., illus. \$89.95. Biotechnology Series 18.

**Biology of the Chemotactic Response.** J. P. Armitage and J. M. Lackie, Eds. Published for the Society for General Microbiology by Cambridge University Press, New York, 1991. xvi, 404 pp., illus. \$110. Symposia of the Society for General Microbiology, 46. From a symposium, Dec. 1990.

**Biotechnological Innovations in Health Care.** Published on behalf of Open Universiteit and Thames Polytechnic by Butterworth-Heinemann, Stoneham, MA, 1991. x, 300 pp., illus., + index. Paper, \$29.95. Biotechnology by Open Learning Series.

**Biotechnology in Japan.** A Comprehensive Guide. Rolf D. Schmid. Springer-Verlag, New York, 1991. xiv, 769 pp., illus. \$259.

**Biotechnology in the Food Industry.** M. P. Tombs.

Prentice Hall, Englewood Cliffs, NJ, 1991. x, 189 pp., illus. \$52. Prentice Hall Advanced Reference Series.

**Botany.** An Introduction to Plant Biology. James D. Mauseth. Saunders, Philadelphia, PA, 1991. xxiv, 800 pp., illus., + appendixes + index. \$53.25.

**Brain and Perception.** Homology and Structure in Figural Processing. Karl H. Pribram. Erlbaum, Hillsdale, NJ, 1991. xxxii, 388 pp., illus. \$69.95.

**British Plant Communities.** Vol. 1, Woodlands and Scrub. J. S. Rodwell, Ed. Cambridge University Press, New York, 1991. x, 395 pp., illus. \$150.

**Chemical Aspects of Enzyme Biotechnology.** Fundamentals. Thomas O. Baldwin, Frank M. Raushel, and A. Ian Scott, Eds. Plenum, New York, 1991. x, 359 pp., illus. \$85. Industry-University Cooperative Chemistry Program Symposia. From a symposium, College Station, TX, March 1990.

**Chemical Carcinogenesis, 2. Modulating Factors.** Amedeo Columbano *et al.*, Eds. Plenum, New York, 1991. xii, 653 pp., illus. \$129.50. From a meeting, Cagliari, Italy, Sept. 1989.

**Comets in the Post-Halley Era.** R. L. Newburn, Jr., M. Neugebauer, and J. Rahe, Eds. Kluwer, Boston, 1991. 2 vols. xxviii, 1360 pp., illus. \$196. Astrophysics and Space Science Library, vol. 167. Based on a colloquium, Bamberg, Germany, April 1989.

**Comparative Analyses of Ecosystems.** Patterns, Mechanisms, and Theories. Jonathan Cole, Gary Lovett, and Stuart Findlay, Eds. Springer-Verlag, New York, 1991. xvi, 675 pp., illus. \$79. From a conference, Millbrook, NY, 1989.

**Comparative Physiology of the Vertebrate Digestive System.** C. E. Stevens. Cambridge University Press, New York, 1991. xii, 300 pp., illus. Paper, \$24.95. Reprint, 1988 ed.

**Compartmentation of Plant Metabolism in Non-Photosynthetic Tissues.** M. J. Emes, Ed. Cambridge University Press, New York, 1991. xiv, 204 pp., illus. \$59.50. Society for Experimental Biology Seminar Series, 42. From a meeting, Edinburgh, U.K., 1989.

**Computational Aspects of Lie Group Representations and Related Topics.** A. M. Cohen, Ed. Centrum voor Wiskunde en Informatica, Amsterdam, 1991. ii, 144 pp. Paper, Dfl. 39. CWI Tract 84. From a seminar, Amsterdam, 1990.

**Computational Techniques for Fluid Dynamics 1.** Fundamental and General Techniques. C. A. J. Fletcher. 2nd ed. Springer-Verlag, New York, 1991. xiv, 401 pp., illus. Paper, \$49. Springer Series in Computational Physics.

**Condensed Matter Theories.** Vol. 6. S. Fantoni and S. Rosati, Eds. Plenum, New York, 1991. x, 453 pp., illus. \$125. R. From a workshop, Isola D'Elba, Italy, June 1990.

**Condensed Systems of Low Dimensionality.** J. L. Beeby *et al.*, Eds. Plenum, New York, 1991. xiv, 830 pp., illus. \$159.50. NATO Advanced Science Institutes Series, vol. 253. From a workshop, Marmaris, Turkey, April 1990.

**The Correlative Brain.** Theory and Experiment in Neural Interaction. Jos J. Eggermont. Springer-Verlag, New York, 1991. xii, 307 pp., illus. \$173. Studies of Brain Function, vol. 16.

**Corticoids.** Neural Circuits of the Cerebral Cortex. M. Abeles. Cambridge University Press, New York, 1991. xiv, 280 pp., illus. \$54.50; paper, \$24.95.

**Cosmic Rays and Particle Physics.** Thomas K. Gaisser. Cambridge University Press, New York, 1991. xvi, 279 pp., illus. \$65; paper, \$24.95.

**Critical Issues in the Information Age.** Robert Lee Chartrand, Ed. Scarecrow, Metuchen, NJ, 1991. xvi, 336 pp. \$42.50. Based on seminars, 1985-86.

**Disordered Materials.** Science and Technology. Selected Papers by Stanford R. Ovshinsky. David Adler, Brian B. Schwartz, and Marvin Silver, Eds. Plenum, New York, 1991. xiv, 397 pp., illus. \$69.50. Institute for Amorphous Studies Series.

**Drug Biotechnology Regulation.** Scientific Basis and Practices. Yuan-yuan H. Chiu and John L. Gueriguian, Eds. Dekker, New York, 1991. iv, 563 pp., illus. \$135. Biopress Technology Series, vol. 13.

**Dynamics of Magnetic Fluctuations in High-Temperature Superconductors.** George Reiter, Peter Horsch, and Gregory C. Psaltakis, Eds. Plenum, New York, 1991. xii, 370 pp., illus. \$95. Nato Advanced Science Institutes Series B, vol. 246. From a workshop, Aghia Pelaghia, Crete, Oct. 1989.

**The Dynamics of Ships.** W. G. Price, Ed. Royal Society, London, 1991. x, 203 pp., illus. £40. From a meeting, London, June 1990. Reprinted from *Philosophical Transactions of the Royal Society of London*, series A, vol. 334, no. 1634 (1991).

**Enter the Physician.** The Transformation of Domestic Medicine, 1760-1860. Lamar Riley Murphy. Univer-