

analysis and/or evident by inspection of pedigrees"—a sobering conclusion.

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Books Received

Anti-Infective Applications of Interferon-Gamma. Howard S. Jaffe, Louis R. Bucalo, and Stephen A. Sherwin, Eds. Dekker, New York, 1992. xiv, 317 pp., illus. \$135.

The Antibiotic Paradox. How Miracle Drugs Are Destroying the Miracle. Stuart B. Levy. Plenum, New York, 1992. xiv, 279 pp., illus. \$24.95.

Applied Optics and Optical Design. A. E. Conrady. Dover, New York, 1992. 2 vols. Vol. 1, vi pp. + pp. 1–518, illus. Paper, \$11.95. Vol. 2, xii pp. + pp. 519–841, illus. Paper, \$9.95. Reprint, 1929 and 1960 eds.

Approximation Theory VII. E. W. Cheney, C. K. Chui, and L. L. Schumaker, Eds. Academic Press, San Diego, CA, 1993. xx, 249 pp., illus. \$59.95. From a symposium, Austin, TX, Jan. 1992.

Artificial Intelligence in Engineering Design. Vol. 1, Design Representation and Models of Routine Design. Christopher Tong and Duvvuru Sriram, Eds. Academic Press, San Diego, CA, 1992. xvi, 473 pp., illus. \$39.95.

Astronomy at Yale, 1701–1968. Dorrit Hoffleit. Yale University, New Haven, CT, and Connecticut Academy of Arts and Sciences, New Haven, CT, 1992. xviii, 230 pp., illus. \$40. Memoirs of the Connecticut Academy of Arts and Sciences, vol. 23.

Autoimmunity in Nephritis. Francis W. Ballardie, Ed. Harwood, Philadelphia, 1992. x, 140 pp., illus. \$30.

The Avalanche Book. Betsy R. Armstrong and Knox Williams. 2nd ed. Fulcrum, Golden, CO, 1992. xvi, 240 pp., illus. Paper, \$16.95.

The Clinical Society of London Report of a Committee Nominated December 14, 1883 to Investigate the Subject of Myxoedema. Being a Supplement to Volume 21 of Its *Transactions*. Facsimile edition. Francis A. Countway Library of Medicine, Boston, 1991 (distributor, Science History Publications/U.S.A., Canton, MA). vi, 215 pp. + supplementary material, illus. \$19.95.

Cognition. Conceptual and Methodological Issues. Herbert L. Pick, Jr., Paul van den Broek, and David C. Knill, Eds. American Psychological Association, Washington, DC, 1992. xiv, 359 pp., illus. \$40. From a conference, Minneapolis, Feb. 1991.

Computing for Scientists and Engineers. A Workbook of Analysis, Numerics, and Applications. William J. Thompson. Wiley, New York, 1992. xvi, 444 pp., illus. \$54.95.

Consciousness Reconsidered. Owen Flanagan. MIT Press, Cambridge, MA, 1992. xvi, 234 pp., illus. \$24.95.

Conservation Policies for Sustainable Hillslope Farming. Sitanala Arsyad *et al.*, Eds. Soil and Water Conservation Society, Ankeny, IA, 1992. xii, 364 pp., illus. \$30. From a workshop, Solo, Central Java, Indonesia, March 1991.

Coronary Heart Disease Prevention. Frank G. Yanowitz. Dekker, New York, 1992. xiv, 471 pp., illus. \$69.75. Fundamental and Clinical Cardiology, 9.

Frustration Theory. An Analysis of Dispositional Learning and Memory. Abram Amsel. Cambridge University Press, New York, 1992. xiv, 278 pp., illus. \$69.95. Problems in Behavioural Sciences, 11.

Fundamental Thermodynamics at the Micro Level. John Frank Johnson. Royal, Roanoke, VA, 1992. viii, 38 pp., illus. Paper, \$50.

Fundamentals of Atmospheric Dynamics and Thermodynamics. C.A. Riegel. World Scientific, River Edge, NJ, 1992. xii, 496 pp., illus. \$51; paper, \$29.

Fundamentals of Environmental Science and

Technology. Porter-C. Knowles, Ed. Government Institutes, Rockville, MD, 1992. xii, 138 pp., illus. Paper, \$24.95.

Indices to the Species of Mosses and Lichens Described by William Mitten. Barbara M. Thiers, Project Coordinator. New York Botanical Garden, Bronx, NY, 1992. iv, 113 pp. Paper, \$20.25. Memoirs of the New York Botanical Garden, vol. 68.

Industrial Application of Immobilized Biocatalysts. Atsuo Tanaka, Tetsuya Tosa, and Takeshi Kobayashi, Eds. Dekker, New York, 1993. xvi, 404 pp., illus. \$165. Bioprocess Technology, 16.

Inequality Reexamined. Amartya Sen. Harvard University Press, Cambridge, MA, 1992. xiv, 207 pp. \$29.95.

Inference, Explanation, and Other Frustrations. Essays in the Philosophy of Science. John Earman, Ed. University of California Press, Berkeley, 1992. xii, 301 pp. \$47.50; paper, \$15. Pittsburgh Series in Philosophy and History of Science, vol. 14.

Information-Theoretic Incompleteness. G. J. Chaitin. World Scientific, River Edge, NJ, 1992. viii, 227 pp., illus. \$48. World Scientific Series in Computer Science, vol. 35.

Intelligent Modeling, Diagnosis and Control of Manufacturing Processes. B.-T. B. Chu and S.-S. Chen, Eds. World Scientific, River Edge, NJ, 1992. viii, 263 pp., illus. \$70. World Scientific Series in Automation, vol. 4.

Interpretation of Geological Structures Through Maps. An Introductory Practical Manual. Derek Powell. Longman, Harlow, Essex, U.K., and Wiley, New York, 1992. xii, 176 pp., illus. Paper, \$31.95.

Metastasis. Basic Research and Its Clinical Applications. H. Rabes, P. E. Peters, and K. Munk, Eds. Karger, New York, 1992. x, 393 pp., illus. \$63.25. Contributions to Oncology, vol. 44. From a meeting, Bonn, Oct. 1991.

Methods in Enzymology. Vol. 213, Carotenoids. Part A, Chemistry, Separation, Quantitation, and Antioxidation. Lester Packer, Ed. Academic Press, San Diego, CA, 1992. xxviii, 538 pp., illus. \$79.

Methods in Enzymology. Vol. 215, Platelets. Receptors, Adhesion, Secretion, part B. Jacek J. Hawiger, Ed. Academic Press, San Diego, CA, 1992. xxviii, 526 pp., illus. \$79.

Methods in Neurosciences. Vol. 10, Computers and Computations in the Neurosciences. P. Michael Conn, Ed. Academic Press, San Diego, CA, 1992. xviii, 584 pp., illus. Spiral bound, \$49.95.

Microbial Infections. Role of Biological Response Modifiers. Herman Friedman, Thomas W. Klein, and Hideyo Yamaguchi, Eds. Plenum, New York, 1992. x, 347 pp., illus. \$85. Advances in Experimental Medicine and Biology, vol. 319. From a conference, Tampa, FL, May 1991.

Milestones in Biotechnology. Classic Papers on Genetic Engineering. Julian Davies and William S. Reznikoff, Eds. Butterworth-Heinemann, Stoneham, MA, 1992. xiv, 570 pp., illus. Paper, \$59.95. Biotechnology Series, 24.

The Million Clinical Multiaxial Inventory. A Clinical Research Information Synthesis. Robert J. Craig, Ed. Erlbaum, Hillsdale, NJ, 1993. xviii, 318 pp., illus. \$59.95.

Mind and Society Fads. Frank W. Hoffmann and William G. Bailey. Harrington Park (Haworth), Binghamton, NY, 1992. x, 285 pp., illus. Paper, \$14.95. Haworth Popular Culture.

Planning and Managing Industry-University Research Collaborations. Rudolph A. Carboni. Quorum (Greenwood), Westport, CT, 1992. xiv, 226 pp., illus. \$45.

Plant Polyphenols. Synthesis, Properties, Significance. Richard W. Hemingway and Peter E. Laks, Eds. Plenum, New York, 1992. xii, 1053 pp., illus. \$195. Basic Life Sciences, vol. 59. From a conference, Houghton, MI, June 1991.

Plant Protein Engineering. P. R. Shewry and S. Gutteridge, Eds. Cambridge University Press, New York, 1992. xvi, 346 pp., illus. \$99.95. Plant and Microbial Biotechnology Research Series.

Plants in Agriculture. J. C. Forbes and R. D. Watson. Cambridge University Press, New York, 1992. xvi, 355 pp., illus. \$89.95; paper, \$29.95.

Polymers for Electronic and Photonic Applica-

tions. C. P. Wong, Ed. Academic Press, San Diego, CA, 1993. xiv, 661 pp., illus. \$93.50.

The Population of Modern China. Dudley L. Poston, Jr. and David Yaukey, Eds. Plenum, New York, 1992. xii, 757 pp., illus. \$79.50. Plenum Series on Demographic Methods and Population Analysis.

The Power of Bacterial Genetics. A Literature-Based Course. Jonathan Beckwith and Thomas J. Silhavy. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1992. xiv, 828 pp., illus. \$85; paper, \$59.

A Practical Guide to HPLC Detection. Donald Parriott, Ed. Academic Press, San Diego, CA, 1993. x, 293 pp., illus. \$59.95.

Retirement 101. How TIAA-CREF Members Should Deal with the Dramatic Changes in Their Pensions. Willard F. Enteman. University of Wisconsin Press, Madison, 1992. xx, 224 pp. \$35; paper, \$14.95.

The Rickover Effect. How One Man Made a Difference. Theodore Rockwell. Naval Institute Press, Annapolis, MD, 1992. xviii, 412 pp., illus., + plates. \$24.95.

The Rise of Public Science. Rhetoric, Technology, and Natural Philosophy in Newtonian Britain, 1660–1750. Larry Stewart. Cambridge University Press, New York, 1992. xxiv, 453 pp., illus. \$69.95.

The Science of Matter. A Historical Survey. Maurice Crosland, Ed. Gordon and Breach, Philadelphia, 1992. 436 pp., illus. Paper, \$18; to institutions, \$34. Classics in the History and Philosophy of Science, vol. 9. Reprint, 1971 ed.

Selected Works of Yakov Borisovich Zeldovich. Vol. 1, Chemical Physics and Hydrodynamics. J. P. Ostriker, G. I. Barenblatt, and R. A. Sunyaev, Eds. Princeton University Press, Princeton, NJ, 1992. x, 479 pp., illus. \$59.50. Translated from the Russian edition (1984) by A. Granik and E. Jackson.

Semiconductor Interfaces and Microstructures. Zhe Chuan Feng, Ed. World Scientific, River Edge, NJ, 1992. xiv, 311 pp., illus. \$68; paper, \$28. Based on a meeting, Cincinnati, March 1991.

Sensory Neurons. Diversity, Development, and Plasticity. Sheryl A. Scott, Ed. Oxford University Press, New York, 1992. xii, 441 pp., illus. \$80.

Shadows of Africa. Peter Matthiessen and Mary Frank. Abrams, New York, 1992. 120 pp., illus. \$34.95.

Shaping Technology/Building Society. Studies in Sociotechnical Change. Wiebe E. Bijker and John Law. MIT Press, Cambridge, MA, 1992. x, 341 pp., illus. \$29.95. Inside Technology. From a workshop, The Netherlands, 1987.

A Short Course in Bacterial Genetics. A Laboratory Manual and Handbook for *Escherichia coli* and Related Bacteria. Jeffrey H. Miller. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1992. 2 vols. xxxviii, 838 pp., illus. \$95.

Simple Views on Condensed Matter. Pierre-Gilles de Gennes. World Scientific, River Edge, NJ, 1992. x, 408 pp., illus. \$68; paper, \$38. Modern Condensed Matter Physics, vol. 4.

Single Particle Detection and Measurement. R. S. Gilmore. Taylor and Francis, Philadelphia, 1992. xvi, 245 pp., illus. \$79.

Skin Tumors of the Dog and Cat. Michael H. Goldschmidt and Frances S. Shofer. Pergamon, Tarrytown, NY, 1992. xii, 316 pp., illus. \$110.

Smoking. Making the Risky Decision. W. Kip Viscusi. Oxford University Press, New York, 1992. x, 170 pp., illus. \$24.95.

Soil Conservation for Survival. Kebede Tado and Hans Hurni, Eds. Soil and Water Conservation Society, Ankeny, IA, 1992. xviii, 419 pp., illus. \$35. From a conference, Addis Ababa, Ethiopia, Nov. 1989.

Stress, the Aging Brain, and the Mechanisms of Neuron Death. Robert M. Sapolsky. MIT Press, Cambridge, MA, 1992. xii, 429 pp., illus. \$55.

Terra Cognita. The Mental Discovery of America. Eviatar Zerubavel. Rutgers University Press, New Brunswick, NJ, 1992. xvi, 164 pp. + plates. \$30; paper, \$13.95.

Theoretical Biology. Epigenetic and Evolutionary Order from Complex Systems. Brian Goodwin and Peter Saunders, Eds. Johns Hopkins University Press, Baltimore, MD, 1992. xxii, 230 pp., illus. Paper, \$18.50. From a conference, Oaxtepec, Mexico, 1987. Reprint, 1989 ed.