

Books Received

Antigen and Clone-Specific Immunoregulation. Richard L. Edelson, Ed. New York Academy of Sciences, New York, 1991. xii, 410 pp., illus. \$115. Annals of the New York Academy of Sciences, vol. 636. From a conference, New York, Oct. 1990.

The Art of Science. A Practical Guide to Experiments, Observations, and Handling Data. Joseph J. Carr. HighText, San Diego, CA, 1992. vi, 365 pp., illus. Paper, \$19.95.

Astrophotography with the Schmidt Telescope. S. Marx and W. Pfau. Cambridge University Press, New York, 1992. x, 165 pp., illus. \$59.95. Translated from the German edition (Leipzig-Jena-Berlin, 1990).

The Athenian Agora. Excavations in the Heart of Classical Athens. John M. Camp. Thames and Hudson, New York, 1992 (distributor, Norton, New York). 232 pp., illus. Paper, \$22.50. New Aspects of Antiquity. Corrected reprint, 1986 ed.

Bioenergetics 2. David G. Nicholls and Stuart J. Ferguson. Academic Press, San Diego, CA, 1992. xvi, 255 pp., illus. Paper, \$15.95.

Causal Reasoning. A Systems Approach. John Charles Francis. Gordon and Breach, Philadelphia, 1992. xvi, 119 pp., illus. Paper, \$20. Studies in Cybernetics, vol. 23.

CD5 B Cells in Development and Disease. Leonore A. Herzenberg, Geoffrey Haughton, and Klaus Rajewsky, Eds. New York Academy of Sciences, New York, 1992. xiv, 605 pp., illus. \$150. Annals of the New York Academy of Sciences, vol. 651. From a conference, Palm Beach Gardens, FL, June 1991.

Chemistry of Biomolecules. An Introduction. Richard J. Simmonds. Royal Society of Chemistry, Letchworth, Herts, U.K., 1992 (U.S. distributor, CRC, Boca Raton, FL). xiv, 276 pp., illus. Paper, \$45.

Climate Change and Energy Policy. Louis Rosen

and Robert Glasser, Eds. American Institute of Physics, New York, 1992. xii, 554 pp., illus. Paper, \$55. From a conference, Los Alamos, NM, Oct. 1991.

Computer Science. Research and Applications. Ricardo Baeza-Yates and Udi Manber, Eds. Plenum, New York, 1992. x, 488 pp., illus. \$110. From a conference, Santiago, Chile, Oct. 1991.

Copper Wire and Electrical Conductors. The Shaping of a Technology. B. C. Blake-Coleman. Harwood, New York, 1992. xx, 284 pp., illus. \$44.

Cosmos, Bios, Theos. Scientists Reflect on Science, God, and the Origins of the Universe, Life, and *Homo sapiens*. Henry Margenau and Roy Abraham Varghese, Eds. Open Court, La Salle, IL, 1992. xiv, 285 pp. \$38.95; paper, \$17.95.

Crickets and Katydid, Concerts and Solos. Vincent G. Dethier. Harvard University Press, Cambridge, MA, 1992. xiv, 140 pp., illus. \$18.95.

The Diversity of Life. Edward O. Wilson. Belknap (Harvard University Press), Cambridge, MA, 1992. viii, 424 pp., illus., + plates. \$29.95. Questions of Science.

Drug Epidemiology and Post-Marketing Surveillance. Brian L. Strom and Giampaolo Velo, Eds. Plenum, New York, 1992. viii, 172 pp., illus. \$65. NATO Advanced Science Institutes Series A, vol. 224. From an institute, Erice, Italy, Sept. 1990.

Drug Legalization. For and Against. Rod L. Evans and Irwin M. Berent. Open Court, La Salle, IL, 1992. xxiv, 331 pp. \$32.95; paper, \$14.95. For and Against, vol. 1.

Ernst Mach. A Deeper Look. Documents and New Perspectives. John Blackmore, Ed. Kluwer, Norwell, MA, 1992. xx, 463 pp., illus. \$125. Boston Studies in the Philosophy of Science, vol. 143.

The Ethics of Authenticity. Charles Taylor. Harvard University Press, Cambridge, MA, 1992. xii, 142 pp. \$17.95.

The Evolution of Cardiac Surgery. Harris B. Schumacker, Jr. Indiana University Press, Bloomington,

1992. xviii, 477 pp., illus. \$57.50.

Evolution of Information Processing Systems. An Interdisciplinary Approach for a New Understanding of Nature and Society. Klaus Haefner, Ed. Springer-Verlag, New York, 1992. xii, 357 pp., illus. \$69. From a workshop, Bremen, Germany, Oct. 1990.

The Evolution of Life Histories. Stephen C. Stearns. Oxford University Press, New York, 1992. xii, 249 pp., illus. Paper, \$29.95.

Exercise, Calories, Fat, and Cancer. Maryce M. Jacobs, Ed. Plenum, New York, 1992. xxii, 296 pp., illus. \$79.50. Advances in Experimental Medicine and Biology, vol. 322. From a conference, Pentagon City, VA, Sept. 1991.

Exploration of the Solar System by Infrared Remote Sensing. R. A. Hanel *et al.* Cambridge University Press, New York, 1992. xvi, 458 pp., illus. \$125. Cambridge Planetary Science Series, 7.

Fens and Bogs in the Netherlands. Vegetation, History, Nutrient Dynamics and Conservation. J. T. A. Verhoeven, Ed. Kluwer, Norwell, MA, 1992. viii, 490 pp., illus. \$239. Geobotany, 18.

The Fibroblast Growth Factor Family. Andrew Baird and Michael Klagsbrun, Eds. New York Academy of Sciences, New York, 1991. xvi, 515 pp., illus. \$125. Annals of the New York Academy of Sciences, vol. 638. From a conference, La Jolla, CA, Jan. 1991.

The Geology of Antarctica. Robert J. Tingley, Ed. Clarendon (Oxford University Press), New York, 1992. xxiv, 680 pp., illus., + map. \$195. Oxford Monographs on Geology and Geophysics.

Handbook of Social Development. A Lifespan Perspective. Vincent B. Van Hasselt and Michel Hersen, Eds. Plenum, New York, 1992. xiv, 608 pp., illus. \$75. Perspectives in Developmental Psychology.

How Things Work. H. Richard Crane. American Association of Physics Teachers, College Park, MD, 1992. viii, 114 pp., illus. \$18. Articles reprinted from *The Physics Teacher*, 1983-1991.

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Ideas and Methods in Mathematical Analysis, Stochastics, and Applications. In Memory of Raphael Høegh-Krohn (1938-1988), vol. 1. Sergio Albeverio *et al.*, Eds. Cambridge University Press, New York, 1992. xiv, 509 pp., illus. \$74.95.

Ideas and Methods in Quantum and Statistical Physics. In Memory of Raphael Høegh-Krohn (1938-1988), vol. 2. Sergio Albeverio *et al.*, Eds. Cambridge University Press, New York, 1992. xiv, 542 pp., illus. \$74.95.

Immobilized Affinity Ligand Techniques. Greg T. Hermanson, A. Krishna Mallia, and Paul K. Smith. Academic Press, San Diego, CA, 1992. xxiv, 454 pp., illus. Spiral bound, \$39.95.

Integral Operators and Boundary Properties of Functions. Fourier Series. O. D. Tsereteli, Ed. Nova, Commack, NY, 1992. vi, 164 pp. Paper, \$84. Research Reports of Razmadze Institute of Mathematics. Translated from the Russian by Naidu Psv.

The Nature of Southeast Alaska. A Guide to Plants, Animals, and Habitats. Rita M. O'Clair, Robert H. Armstrong, and Richard Carstensen. Alaska Northwest, Bothell, WA, 1992. 255 pp., illus. Paper, \$17.95.

Neotectonics of North America. D. Burton Slemmons *et al.*, Eds. Geological Society of America, Boulder, CO, 1991. x, 498 pp., illus., + maps. \$114.45. Decade of North American Geology Project.

The Neurobiology of Drug and Alcohol Addiction. Peter W. Kalivas and Herman H. Samson, Eds. New York Academy of Sciences, New York, 1992. xiv, 545 pp., illus. \$125. Annals of the New York Academy of Sciences, vol. 654. From a conference, Spokane, WA, July 1991.

Newton to Einstein. The Trail of Light. An Excursion to the Wave-Particle Duality and the Special Theory of Relativity. Ralph Baierlein. Cambridge University Press, New York, 1992. xvi, 329 pp., illus. \$34.95.

Nonclassical Effects in Quantum Optics. Pierre Meystre and Daniel F. Walls, Eds. American Institute of Physics, New York, 1991. x, 509 pp., illus. \$80. Key Papers in Physics, no. 4.

Nonlinear Systems. P. G. Drazin. Cambridge University Press, New York, 1992. xiv, 317 pp., illus. \$74.95; paper, \$29.95. Cambridge Texts in Applied Mathematics.

Nuclear Engineering. Theory and Technology of Commercial Nuclear Power. Ronald Allen Knief. Hemisphere (Taylor and Francis), Bristol, PA, 1992. xx, 771 pp., illus. Paper, \$59.50.

Ophthalmic Toxicology. George C. Y. Chiou, Ed. Raven, New York, 1992. xvi, 328 pp., illus. \$110. Target Organ Toxicology Series.

Optimal Recovery. B. Bojanov and H. Wóznia-kowski, Eds. Nova, Commack, NY, 1992. viii, 333 pp. \$74. From a symposium, Varna, Bulgaria, May 1989.

Physics. Structure and Meaning. Leon N Cooper. University Press of New England, Hanover, NH, 1992. xxviii, 540 pp., illus. Paper, \$35. Reprint, 1970 ed.

Pietà. George Klein. MIT Press, Cambridge, MA, 1992. xii, 297 pp. \$24.95. Translated from the Swedish edition (Stockholm, 1989) by Theodore and Ingrid Friedmann.

Polyunsaturated Fatty Acids in Human Nutrition. Umberto Bracco and Richard J. Deckelbaum, Eds. Raven, New York, 1992. xii, 243 pp., illus. \$60. Nestlé Nutrition Workshop Series, vol. 28. From a workshop, Mexico City, Nov. 1990.

Practical Cell Culture Techniques. Alan A. Boulton, Glen B. Baker, and Wolfgang Walz, Eds. Humana, Totowa, NJ, 1992. xx, 392 pp., illus. \$69.50. Neuromethods, 23.

Protecting Workers' Health in the Third World. National and International Strategies. Michael R. Reich and Toshiteru Okubo, Eds. Auburn House (Greenwood), New York, 1992. xxiv, 303 pp., illus. \$45.

Protein Structure. New Approaches to Disease and Therapy. Max Perutz. Freeman, New York, 1992. xiv, 326 pp., illus. \$39.95; paper, \$29.95.

Proton Transfer in Hydrogen-Bonded Systems. T. Bountis, Ed. Plenum, New York, 1992. xiv, 365 pp., illus. \$95. NATO Advanced Science Institutes Series B,

vol. 291. From a workshop, Crete, Greece, May 1991.

Psychophysiology and Experimental Psychopathology. A Tribute to Samuel Sutton. David Friedman and Gerard Bruder, Eds. New York Academy of Sciences, New York, 1992. xii, 287 pp., illus. \$75. Annals of the New York Academy of Sciences, vol. 658. From a conference, New York, March 1987.

The Puzzle People. Memoirs of a Transplant Surgeon. Thomas E. Starzl. University of Pittsburgh Press, Pittsburgh, PA, 1992. x, 364 pp., illus., + plates. \$24.95.

Recent Advances in Japanese Brewing Technology. Takashi Inoue, Jun-ichi Tanaka, and Shunsuke Mitsui. Gordon and Breach, Philadelphia, 1992. x, 115 pp., illus. Paper, \$36. Japanese Technology Reviews, section E, vol. 2, no. 1.

Rekonstrukstia Protessa Smeny Fundametal'nykh Nauchnykh Teorii. R. M. Nugaev. Izdatel'stvo Kazanskogo Universiteta, Kazan, C.I.S., 1989. 208 pp.

Revelations. Alien Contact and Human Deception. Jacques Vallee. Ballantine, New York, 1992. x, 310 pp., illus., + plates. Paper, \$4.99. Reprint, 1991 ed.

The Rhetorical Uses of the Authorizing Figure. Fidel Castro and Jose Marti. Donald E. Rice. Praeger, New York, 1992. xx, 165 pp. \$39.95.

Saving Our Planet. Challenges and Hopes. Mustafa K. Tolba. Chapman and Hall, New York, 1992. x, 287 pp., illus. Paper, \$25.

Seeds of Woody Plants in North America. James A Young and Cheryl G. Young. 2nd ed. Dioscorides (Timber Press), Portland, OR, 1992. viii, 407 pp., illus. \$49.95.

Sodium-Calcium Exchange. Mordecai P. Blaustein, Reinaldo DiPolo, and John P. Reeves, Eds. New York Academy of Sciences, New York, 1991. xiv, 671 pp., 1991. xiv, 671 pp., illus. \$160. Annals of the New York Academy of Sciences, vol. 639. From a conference, Baltimore, MD, April 1991.

Statistical Intervals. A Guide for Practitioners. Gerald J. Hahn and William K. Meekler. Wiley, New York, 1991. xx, 392 pp., illus. \$54.95. Wiley Series in Probability and Mathematical Statistics.

Stealing into Print. Fraud, Plagiarism, and Mis-

conduct in Scientific Publishing. Marcel C. LaFollette. University of California Press, Berkeley, 1992. viii, 294 pp. \$30.

Substance P and Related Peptides. Cellular and Molecular Physiology. Susan E. Leeman, James E. Krause, and Fred Lembeck, Eds. New York Academy of Sciences, New York, 1991. xiv, 497 pp., illus. \$135. Annals of the New York Academy of Sciences, vol. 632. From a conference, Worcester, MA, July 1990.

Superpigs and Wondercorn. The Brave New World of Biotechnology and Where It All May Lead. Michael W. Fox. Lyons and Burford, New York, 1992. x, 209 pp. illus. \$21.95.

Synthesis of Fused Heterocycles. Part 2. G. P. Ellis. Wiley, New York, 1992. xi, 770 pp., illus. \$360. Chemistry of Heterocyclic Compounds, vol. 47.

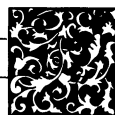
Tensors and Manifolds. With Applications to Mechanics and Relativity. Robert H. Wasserman. Oxford University Press, New York, 1992. xiv, 409 pp., illus. \$39.95.

Terrestrial Ecosystems Through Time. Evolutionary Paleocology of Terrestrial Plants and Animals. Anna K. Behrensmeyer *et al.*, Eds. University of Chicago Press, Chicago, 1992. xx, 568 pp., illus. \$75; paper, \$29.95. Based on a conference, Washington, DC, 1987.

Texas/ESO-CERN Symposium on Relativistic Astrophysics, Cosmology, and Fundamental Physics. (Brighton, U.K., Dec. 1990.) John D. Barrow, Leon Mestel, and Peter A. Thomas, Eds. New York Academy of Sciences, New York, 1991. xiv, 840 pp., illus. \$190. Annals of the New York Academy of Sciences, vol. 647.

Thermal Radiation Heat Transfer. Robert Siegel and John R. Howell. 3rd ed. Hemisphere (Taylor and Francis), Bristol, PA, 1992. xviii, 1072 pp., illus. \$59.50.

The Third Wave of Asbestos Disease. Exposure to Asbestos in Place. Public Health Control. Philip J. Landrigan and Homayoun Kazemi, Eds. New York Academy of Sciences, New York, 1991. xvi, 628 pp., illus. \$190. Annals of the New York Academy of Sciences, vol. 643. From a conference, New York, June 1990.



Vignettes: Real Powers

Statistical studies have shown that the most diverse animals are not only small in size but also highly mobile, giving them access to the most bountiful variety of foods and other resources. The ultimate exemplars of this principle are the insects, so diverse and abundant that they project a popular image of near invincibility. (*In the nuclear aftermath a cockroach surveys the scorched landscape atop a blasted beer can.*) Entomologists are often asked whether insects will take over if the human race extinguishes itself. This is an example of a wrong question inviting an irrelevant answer: insects have already taken over.

—Edward O. Wilson, in *The Diversity of Life* (Harvard University Press)

... These thoughts reminded me of the contrast between the definition of "entomology" in the eleventh edition of the *Encyclopedia Britannica* and the official definition stated by the Entomological Society of America in 1966. Entomology as described by the encyclopedia is "the science that treats of insects." As stated by the society it is "the profession that controls insects."

So small a triumph as finding and listening to the Northern Bush Katydid brought to mind Edmund Burke's words in his *Reflections on the Revolution in France*, where he cautioned that those who make themselves most conspicuous are not necessarily the most important.

—Vincent G. Dethier, in *Crickets and Katydids, Concerts and Solos* (Harvard University Press)