

book provides a reasonably up-to-date overview and could well be a useful acquisition for scientists wishing to broaden their perspective in the molecular biology of cancer.

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Some Other Books of Interest

Darwin's Finches. DAVID LACK. Introduction and notes by Laurene M. Ratcliffe and Peter T. Boag. Cambridge University Press, New York, 1983. liv, 208 pp., illus., + plates. \$39.50; paper, \$13.95. Reprint, 1961 edition.

In their introduction to this augmented reprint Ratcliffe and Boag write that "few books have had as great an impact on evolutionary ecology as David Lack's *Darwin's Finches*," which, they state, "has remained a classic for . . . its extremely accurate descriptions of geospizine ecology and behaviour . . . and for its original, cogent formulation of the adaptive radiation model." The book, which draws on field studies conducted by the author during an expedition to the Galápagos in 1938–39, first appeared in 1947 and was reissued in 1961. To the present edition Ratcliffe and Boag, themselves biologists whose research has been concerned with the Galápagos finches, have added, in addition to the introduction describing the origins and impact of the work as a whole, a section of chapter-by-chapter notes indicating the present state of knowledge concerning various matters dealt with by Lack or placing his observations in the context of his other work. Material from the Lack archives at Oxford has been used in preparing the notes, and a list of some 150 "modern references" has been provided.—K.L.

Vulture Biology and Management. SANFORD R. WILBUR and JEROME A. JACKSON, Eds. University of California Press, Berkeley, 1984. xxii, 550 pp., illus. \$35. Based on a conference, Santa Barbara, Calif., March 1979.

Vulture Biology and Management consists of 32 contributions about half of which were presented at an international conference on the subject. The others were solicited by the editors to round out the coverage. Two opening papers on the fossil history (P. Rich) and the systematics (A. Rea) of the vultures are followed

by 20 on the conservational status and the biology of vultures in various parts of the world. The 12 biological papers, which are equally divided between Old and New World vultures, include general discussions of adaptive radiation (D. Houston), competition for food (C. König), and nesting habits and reproductive success (Jackson) in various groups; the remainder are predominantly reports of field studies conducted by their authors. Five papers are then devoted to research and management techniques; two, both reports of studies on North American specimens, to effects of environmental contaminants; and two to the theme "vultures and man" in Old and New World prehistory. The final contribution is a 29-page bibliography supplementing one published by Wilbur in 1978. The book includes subject, author, geographical, and taxonomic indexes.

—K.L.

Higher Mathematics from an Elementary Point of View. H. RADEMACHER. D. Goldfeld, Ed. Notes by G. Crane. Birkhäuser, Boston, 1983. viii, 138 pp., illus. \$29.95.

Hans Rademacher (1892–1969) is known for his work in analytical number theory. Also an expositor of mathematics to general audiences, he was the author, with Otto Toeplitz, of a popular work (1933) that has been translated into English as *The Enjoyment of Mathematics*. The present volume is based on 11 lectures, also for a general audience, given by Rademacher at Stanford University in 1947. The subjects covered are prime numbers, Farey fractions, decimal fractions, the approximation of irrational numbers by rational numbers, the exclusion-inclusion principle, Ford circles, the modular group and modular functions, and linkages. The source of the text is not clearly specified but is presumably notes taken by Crane at the time the lectures were delivered. To seven of the chapters, the editor, Goldfeld, has appended brief (one-paragraph) notes pointing out more recent results on the topics in question or otherwise indicating the context of the discussions. A brief updated bibliography and a subject index are included.—K.L.

Books Received

Acid Deposition. S. Beilke and A. J. Elshout, Eds. Reidel, Boston, 1983 (distributor, Kluwer Boston, Hingham, Mass.). x, 235 pp., illus. \$32.50. From a workshop, Berlin, Sept. 1982.

The Acquisition of Symbolic Skills. Don Rogers and John A. Sloboda, Eds. Plenum, New York, 1983. xii, 623 pp., illus. \$79.50. NATO Conference Series III, vol. 22. From a conference, Keele, England, July 1982.

Advanced Synergetics. Instability Hierarchies of Self-Organizing Systems and Devices. Hermann Haken. Springer-Verlag, New York, 1983. xvi, 356 pp., illus. \$40. Springer Series in Synergetics, vol. 20.

Advances in Child Development and Behavior. Vol. 17. Hayne W. Reese, Ed. Academic Press, New York, 1982. xii, 304 pp. \$32.

Advances in Cognitive-Behavioral Research and Therapy. Vol. 2. Philip C. Kendall, Ed. Academic Press, New York, 1983. xvi, 310 pp. \$34.50.

Advances in Experimental Social Psychology. Vol. 15. Leonard Berkowitz, Ed. Academic Press, New York, 1982. viii, 296 pp. \$29.50.

Advances in Hamiltonian Systems. J. P. Aubin, A. Bensoussan, and I. Ekeland, Eds. Birkhäuser, Boston, 1983. viii, 195 pp. \$19.95. Annals of the CERE-MADE. From a conference, Rome, Feb. 1981.

Advances in Image Pickup and Display. Vol. 6. B. Kazan, Ed. Academic Press, New York, 1983. xiv, 261 pp., illus. \$62.50.

Advances in Librarianship. Vol. 12. Wesley Simonton, Ed. Academic Press, New York, 1982. xviii, 300 pp. \$32.

Advances in the Study of Behavior. Vol. 13. Jay S. Rosenblatt *et al.*, Eds. Academic Press, New York, 1983. xiv, 262 pp., illus. \$29.50.

Aggressive Behavior. Genetic and Neural Approaches. Edward C. Simmel, Martin E. Hahn, and James K. Walters, Eds. Erlbaum, Hillsdale, N.J., 1983. xiv, 201 pp., illus. \$24.95. Based on a symposium, Oxford, Ohio, Sept. 1981.

Animal Disease Control. Regional Programs. Robert P. Hanson and Martha G. Hanson. Iowa State University Press, Ames, 1983. x, 331 pp., illus. Paper, \$22.50.

Annual Review of Phytopathology. Vol. 21. Raymond G. Grogan, George A. Zentmyer, and Ellis B. Cowling, Eds. Annual Reviews, Palo Alto, Calif., 1983. x, 429 pp. \$27.

Annual Review of Sociology. Vol. 9. Ralph H. Turner and James F. Short, Jr., Eds. Annual Reviews, Palo Alto, Calif., 1983. xii, 610 pp. \$27.

Antibiotics Containing the Beta-Lactam Structures. Part 2. A. L. Demain and N. A. Solomon, Eds. Springer-Verlag, New York, 1983. xviii, 479 pp., illus. \$125. Handbook of Experimental Pharmacology, vol. 67/II.

Automation. John Diebold. American Management Associations, New York, 1983. xl, 181 pp. \$14.95. Reprint, 1952 edition.

Automation in Animal Development. A New Theory Derived from the Concept of Cell Sociology. Rosine Chandebois, with Jacob Faber. Karger, Basel, 1983. xii, 204 pp., illus. \$99. Monographs in Developmental Biology, vol. 16.

Avian Biology. Vol. 7. Donald S. Farner, James R. King, and Kenneth C. Parkes, Eds. Academic Press, New York, 1983. xxiv, 542 pp., illus. \$69.50.

Before It's Too Late. A Scientist's Case for Nuclear Energy. Bernard L. Cohen. Plenum, New York, 1983. xviii, 292 pp., illus. \$16.95.

Briggs' Information-Processing Model of the Binary Classification Task. Samuel Mudd. Erlbaum, Hillsdale, N.J., 1983. xii, 136 pp., illus. \$19.95.

Building Controls into Structured Systems. Alan E. Brill. Yourdon Press, New York, 1983. xviii, 149 pp., illus. Paper, \$29.

CBE Style Manual. A Guide for Authors, Editors, and Publishers in the Biological Sciences. 5th ed. Council of Biology Editors, Bethesda, Md., 1983. xx, 324 pp. \$24.

Calculator Programs for the Health Sciences. J. H. Abramson and E. Peritz. Oxford University Press, New York, 1983. xx, 407 pp. \$42.50; paper, \$24.95.

Cancer: Etiology and Prevention. Ray G. Crispen, Ed. Elsevier, New York, 1983. xiv, 463 pp., illus. \$67.50. From a symposium, Chicago, Oct. 1982.

Catalysis in C₁ Chemistry. Wilhelm Keim, Ed. Reidel, Boston, 1983 (distributor, Kluwer Boston, Hingham, Mass.). xii, 312 pp., illus. \$58.50. Catalysis by Metal Complexes, vol. 4. From a course, Aachen, Germany.

Catechol Estrogens. George R. Merriam and Mortimer B. Lipsett, Eds. Raven, New York, 1983. xx, 279 pp., illus. \$44. From a workshop, Bethesda, Md., 1982.

Cerebrovascular Diseases. E. I. Gusev, N. N. Bogolepov, and G. S. Burd. Mir, Moscow, 1982 (U.S. distributor, Imported Publications, Chicago). 192 pp., illus. \$6.95. Translated from the Russian edition (Moscow, 1979) by Michael Burov.

Chemical Graph Theory. Nenad Trinajstić. CRC Press, Boca Raton, Fla., 1983. Two volumes. Vol. 1. xii, 147 pp., illus. \$67.50. Vol. 2. xii, 166 pp., illus. \$69.

Chemicals from Synthesis Gas. Catalytic Reactions of CO and H₂. Roger A. Sheldon. Reidel, Boston, 1983 (distributor, Kluwer Boston, Hingham, Mass.). xx, 216 pp., illus. \$48. Catalysis by Metal Complexes.

The Child's Construction of Social Inequality. Robert L. Leahy, Ed. Academic Press, New York, 1983. (Continued on page 836)