

Some Other Books of Interest

Geology of the Henry Mountains, Utah, as Recorded in the Notebooks of G. K. Gilbert, 1875-76. CHARLES B. HUNT. Geological Society of America, Boulder, CO, 1988. vi, 229 pp., illus. \$52.50. Geological Society of America Memoir 167.

Grove Karl Gilbert (1844-1918) was, in the opinion of Charles Hunt, "the tallest of the several giants" who contributed to the development of American geology. (For reviews of two accounts of Gilbert's life and work see *Science* 212, 787 [1981].) In 1875, at the instigation of John Wesley Powell, Gilbert set out, following prehistoric Indian trails, to investigate the structural geology of the Henry Mountains of southern Utah, with special interest in the igneous activity that produced them. The results of that work were published in a classic monograph dated 1877, but from the field notes, according to Hunt, a reader knowledgeable about the status of geology at the time "experiences the thrill of reading the first-hand account of the discovery of several concepts that today are accepted routinely as fundamental in the science." For this volume Hunt, who resurveyed the mountains in the 1930s in the U.S. Geological Survey's "last big pack-train project," has prepared transcripts of the notes. The texts of the ten notebooks, dated 29 May to 12 September 1875 and 17 July to 22 November 1876, are preceded by a general introduction by Hunt and individual summaries and are followed by appendixes listing key locations in Gilbert's expeditions and an index. The texts include more recent photographs of structures observed, as well as Gilbert's own sketches, for which Hunt has provided captions.—K.L.

Great American Bridges and Dams. DONALD C. JACKSON. Preservation Press, Washington, DC, 1988. 357 pp., illus. Paper, \$16.95. A National Trust Guide.

This volume is a selective guide to two categories of structure that "are among the most visible and most important manifestations of civil engineering in our environment" and "are essential components of the public works foundation that supports America's transportation, electric power, agricultural and water supply systems." The guide opens with three general chapters, on the history, technology, and uses of bridges and of dams and on their conservation. The guide proper is arranged regionally, beginning with New England and moving southward and westward, with a subsection for each state or territory. The numbers of

structures represented vary according to region and state, with the most space being devoted to the West (including Alaska, Guam, and Hawaii), the Midwest, and the Mid-Atlantic area. Wide outside margins on the 13-by-26-centimeter pages permit the use of sideheads to introduce each entry and allow for variation in the size and number of illustrations. Individual entries range in length from a paragraph to a page or more, and most include one or more photographs. In all, some 300 structures are included. An epilogue, also illustrated, is devoted to "the ones that got away"—ten bridges and five dams that have collapsed or been destroyed. A bibliography for further reading, lists of information and photographic sources, and an index complete the guide.—K.L.

Books Received

Academic Scientists and the Pharmaceutical Industry. Cooperative Research in Twentieth-Century America. John P. Swann. Johns Hopkins University Press, Baltimore, 1988. xiv, 249 pp., illus. \$32.50.

The Academic's Handbook. A. Leigh Denef, Craufurd D. Goodwin, and Ellen Stern McCrate, Eds. Duke University Press, Durham, NC, 1988. xii, 287 pp. \$20; paper, \$9.95.

Adenosine Receptors. Dermot M. F. Cooper and Constantine Londos, Eds. Liss, New York, 1988. xii, 134 pp., illus. \$42. Receptor Biochemistry and Methodology, vol. 11.

Aggression. The Myth of the Beast Within. John Klama. Wiley, New York, 1988. xiv, 169 pp., illus. \$17.95.

America Invulnerable. The Quest for Absolute Security from 1812 to Star Wars. James Chace and Caleb Carr. Summit Books (Simon and Schuster), New York, 1988. 367 pp. \$19.95.

Analogical Problem Solving. Mark T. Keane. Horwood, Chichester, U.K., and Halsted (Wiley), New York, 1988. 151 pp., \$41.95. Ellis Horwood Series in Cognitive Science.

Antibiotic Inhibition of Bacterial Cell Surface Assembly and Function. Paul Actor *et al.*, Eds. American Society for Microbiology, Washington, DC, 1988. xxii, 657 pp., illus. \$75; to members, \$55. From a conference, Philadelphia, PA, May 1987.

The Behavioral and Social Sciences. Achievements and Opportunities. Dean R. Gerstein *et al.*, Eds. National Academy Press, Washington, DC, 1988. xviii, 282 pp., illus. \$29.50.

Chromatography. Concepts and Contrasts. James M. Miller. Wiley-Interscience, New York, 1988. xiv, 297 pp., illus. \$39.95.

A Climate Modelling Primer. A. Henderson-Sellers and K. McGuffie. Wiley, New York, 1988. xvi, 217 pp., illus. \$53.95. Research and Developments in Climate and Climatology.

Coagulation Kinetics and Structure Formation. Hans Sonntag and Klaus Strenge. Plenum, New York, 1987. 194 pp., illus. \$55.

Cognition and Sentence Production. A Cross-Linguistic Study. S. N. Sridhar. Springer-Verlag, New York, 1988. x, 118 pp. \$42.50. Springer Series in Language and Communication, vol. 22.

Cognitive Neurochemistry. S. M. Stahl, S. D. Iversen, and E. C. Goodman, Eds. Oxford University Press, New York, 1987. xiv, 395 pp., illus., + plates. \$49.95. From a symposium, Harlow, U.K., Oct. 1986.

Compactness Methods for Nonlinear Evolutions. I. I. Vrabie. Longman Scientific, Harlow, U.K., and Wiley, New York, 1988. xviii, 325 pp. \$77.95. Pitman Monographs and Surveys in Pure and Applied Mathematics, vol. 32.

Computer Simulation in Physical Geography. M. J. Kirkby *et al.* Wiley, New York, 1987. viii, 227 pp., illus. \$49.95.

Correlative Microscopy in Biology. Instrumentation and Methods. M. A. Hayat, Ed. Academic Press, San Diego, CA, 1987. xiv, 437 pp., illus. \$59.

Domestic Violence and Control. Jan E. Stets. Springer-Verlag, New York, 1988. xii, 166 pp. Paper, \$36.50.

The Earth. Problems and Perspectives. Barbara C. Atkin and Jeffrey A. Johnson. Blackwell Scientific, Palo Alto, CA, 1988. xx, 428 pp., illus., + plates. Paper, \$27.95.

Eco-Computer. The Impact of Global Intelligence. Geoff Simons. Wiley, New York, 1987. xvi, 206 pp. \$36.95.

Egyptian Hieroglyphs. W. V. Davies. University of California Press, Berkeley, and British Museum, London, 1988. 64 pp., illus. Paper, \$7.95. Reading the Past, vol. 6.

Electron and Ion Optics. Miklos Szilagi. Plenum, New York, 1988. xvi, 539 pp., illus. \$75. Microdevices.

Empirical Studies of Programmers. Second Workshop. (Washington, DC, Dec. 1987). Gary M. Olson, Sylvia Sheppard, and Elliot Soloway, Eds. Ablex, Norwood, NJ, 1987. viii, 263 pp., illus. \$37.50; paper, \$15. Human/Computer Interaction.

Endocrine Genes. Analytical Methods, Experimental Approaches, and Selected Systems. Yun-Fai Lau, Ed. Oxford University Press, New York, 1988. xvi, 224 pp., illus. \$39.95. Based on a series of seminars, San Francisco, 1984.

Energy and the Evolution of Life. Ronald F. Fox. Freeman, New York, 1988. xiv, 182 pp., illus. \$26.95.

The Energy Question. Gerald Foley. 3rd ed. Penguin, New York, 1988. xvi, 304 pp. Paper, \$6.95.

Energy Transduction and Gene Transfer in Chemotrophic Bacteria. Macromolecules on the Move. L. Grinius. Harwood, New York, 1987. x, 277 pp., illus. \$90. Soviet Scientific Reviews Supplement Series, Physicochemical Biology, vol. 6. Translated from the Russian by N. Bobrov.

Grass. Systematics and Evolution. Thomas R. Soderstrom *et al.*, Eds. Smithsonian Institution Press, Washington, DC, 1988. xiv, 473 pp., illus. \$45. From a symposium, Washington, DC, July 1986.

Handbook of Behavioral Neurobiology. Vol. 9, Developmental Psychobiology and Behavioral Ecology. Elliott M. Blass, Ed. Plenum, New York, 1988. xxii, 453 pp., illus. \$75.

Hormones, Cell Biology, and Cancer. Perspectives and Potentials. W. David Hankins and David Puett, Eds. Liss, New York, 1988. xvi, 299 pp., illus. \$60. Progress in Clinical and Biological Research, vol. 262. From a symposium, Washington, DC, Dec. 1986.

How Brain-Like is the Spinal Cord? Interacting Cell Assemblies in the Nervous System. Uwe Windhorst. Springer-Verlag, New York, 1988. xviii, 334 pp., illus. \$120. Studies of Brain Function, vol. 15.

Human Aging Research. Concepts and Techniques. Barbara Kent and Robert Butler, Eds. Raven, New York, 1988. xii, 372 pp., illus. \$86.50. Aging Series, vol. 34.

Human Gene Therapy. Eve K. Nichols. Harvard University Press, Cambridge, MA, 1988. x, 251 pp., illus. \$22.95; paper, \$9.95.

Human Tumor Markers. Biology and Clinical Applications. F. Cimino *et al.*, Eds. De Gruyter, Hawthorne, NY, 1987. xiv, 922 pp., illus. \$246. From a conference, Naples, Italy, April 1986.

I Have a Photographic Memory. Paul R. Halmos. American Mathematical Society, Providence, RI, 1987. x, 326 pp., illus. \$58. An annotated collection of snapshots of mathematicians, taken by the author.

In Darkness Born. The Story of Star Formation. Martin Cohen. Cambridge University Press, New York, 1988. x, 196 pp., illus. \$19.95.

In Praise of Imperfection. My Life and Work. Rita Levi-Montalcini. Basic Books, New York, 1988. xiv, 220 pp. + plates. \$18.95. Alfred P. Sloan Foundation Series. Translated from the Italian by Luigi Attardi.

In the Shadow of Man. Jane Goodall. 2nd ed. Houghton Mifflin, Boston, 1988. xxii, 297 pp., illus., + plates. \$21.95; paper, \$11.95.

Individuals, Relationships and Culture. Links between Ethology and the Social Sciences. Robert A. Hinde. Cambridge University Press, New York, 1987. xii, 207 pp., illus. \$32.50. Themes in the Social Sciences.

Innovation and the Rise of the Tunneling Industry. Graham West. Cambridge University Press, New York, 1988. xvi, 355 pp., illus. \$80.00.

Inorganic Reactions and Methods. J. J. Zuckerman, Ed. VCH, New York, 1987. Vol. 2, The Formation of the Bond to Hydrogen, part 2. xxvi, 476 pp., illus. \$120. Vol. 11, Formation of Bonds to C, Si, Ge, Sn, Pb, part 3. xxiv, 594 pp., illus. \$120.

Ion Channels. Vol. 1. Toshio Narahashi, Ed. Plenum, New York, 1988. xiv, 334 pp., illus. \$59.50.

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