

bances associated with endocrine disease and hormone therapy will have immediate clinical application. These papers will also serve as useful introductions for the student. They cover basic as well as clinical matters.

An extensive review of the effects of adrenocorticotrophic hormone and vasopressin on motivation, learning, and memory is provided by de Wied *et al.* Lipton *et al.* discuss polypeptide-releasing factors that originate in the hypothalamus and their effect on a variety of brain structures, particularly the anterior pituitary. The authors make the interesting point that the behavioral effects may be due both to the action of these substances on the pituitary and to their action on other brain structures. These two papers draw mainly on animal work and do not have immediate clinical applications. Two papers, one by Reinisch, the other by Money *et al.*, focus on the effects of sex hormones on behavior. Reinisch reviews prenatal hormone exposure in animals and humans and discusses a number of measures of subsequent physical and psychological functioning. To me, this paper is the most interesting; there is a nice balance of animal and human data with a concern for conceptual and clinical implications, all presented lucidly and without apparent bias.

The second section of the book looks in the other direction, at the effects of brain and behavior on endocrine function. Here the papers are somewhat more technical and narrowly focused, but several retain clinical relevance. This is particularly true of Wurtman and Fernstrom's paper on neuroendocrine effects of psychotropic drugs and of the two papers on anorexia nervosa, by Katz *et al.* and by Halmi. Psychopharmacologists contribute several papers relating to drug action and neurotransmitter substances. Carroll and Mendels's review of neuroendocrine regulation in affective disorders is the broadest and brings together a wide variety of information. It provides a splendid example of the balance and thoroughness that I believe should characterize papers for a volume like this.

As always, there are topics omitted that might reasonably have been included. For example, a more detailed review of thyroid function and behavior would have been helpful. Likewise, little attention is given to the effect of psychopharmacologic agents on normal hormonal function.

The book would have benefited from an attempt by the editor to fill in the gaps and point to the future. This may be ask-

ing too much, however. The mixture of basic and clinical and animal and human research accentuates the need for a better focus or synthesis. The volume as it stands is worthwhile and will make exciting reading for the biologically oriented clinician and student and will be a ready resource for the researcher in this area.

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search. H. J. Walker, Ed. Louisiana State University School of Geoscience, Baton Rouge, 1976. xii, 154 pp., illus. Paper, \$10.

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(Continued on page 221)

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A Sourcebook of Modern Transistor Circuits. Laurence G. Cowles. Prentice-Hall, Englewood Cliffs, N.J., 1976. xxiv, 360 pp., illus. \$17.50.

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ues. Don Koberg and Jim Bagnall. Kaufmann, Los Altos, Calif., 1976. 240 pp., illus. Paper, \$6.95.

When Values Conflict. Essays on Environmental Analysis, Discourse, and Decision. Laurence H. Tribe, Corinne S. Schelling, and John Voss, Eds. Published for the American Academy of Arts and Sciences by Ballinger (Lippincott), Cambridge, Mass., 1976. xviii, 180 pp. \$15.

Wissenschaftssoziologie. Studien und Materialien. Nico Stehr and René König, Eds. Westdeutscher Verlag, Opladen, Germany, 1975. 528 pp. Paper, DM 46. Kölner Zeitschrift für Soziologie und Sozialpsychologie, Sonderheft 18.

The World of Rocks and Minerals. Anita Mason. Photographs by Eric Storey. Larouse, New York, 1976. xviii, 108 pp. Cloth, \$8.95; paper, \$4.95.

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The Biology of Human Fetal Growth. Papers from a symposium, Nov. 1974. D. F. Roberts and A. M. Thomson, Eds. Taylor and Francis, London, and Halsted (Wiley), New York, 1976. x, 310 pp., illus. \$21. Symposia of the Society for the Study of Human Biology, vol. 15. To order this book circle No. 458 on Readers' Service Card

Carbohydrate Metabolism. Regulation and Physiological Role. Carolyn D. Berdanier, Ed. Hemisphere, Washington, D.C., and Halsted (Wiley), New York, 1976. xviii, 318 pp., illus. \$24.50. Advances in Modern Nutrition, vol. 1. To order this book circle No. 459 on Readers' Service Card

Communications and Data Management. Thomas F. Walton. Wiley-Interscience, New York, 1976. xvi, 284 pp., illus. \$19.95. To order this book circle No. 460 on Readers' Service Card

The Ecology of Resource Degradation and Renewal. Papers from a symposium, Leeds, England, July 1973. M. J. Chadwick and G. T. Goodman, Eds. Halsted (Wiley), New York, 1976. xiv, 480 pp., illus. \$39.95. To order this book circle No. 461 on Readers' Service Card

Experimenter Effects in Behavioral Research. Robert Rosenthal. Irvington, New York, and Halsted (Wiley), New York, ed. 2, 1976. xiv, 500 pp. \$15.95. The Century Psychology Series. To order this book circle No. 462 on Readers' Service Card

Fluidization Technology. Dale L. Keairns, Ed. Hemisphere, Washington, D.C., and McGraw-Hill, New York, 1976. Two volumes, illus. Vol. 1, Bubble Phenomena, Gas Exchange and Fluid Bed Modeling, Liquid Phase Fluidization, Three Phase Fluidization. xiv, 466 pp. Vol. 2, Fluidized Bed Performance with Internals, Solids Mixing and Transport, Fossil Fuel Processing, Application. xiv, 608 pp. \$75. To order this book circle No. 463 on Readers' Service Card

Forecasting in Cardiology. E. Stoupe. Halsted (Wiley), New York, and Israel Universi-

ties Press, Jerusalem, 1976. x, 142 pp. \$18. To order this book circle No. 464 on Readers' Service Card

The Generation of Electricity by Wind Power. E. W. Golding with a chapter by R. I. Harris. Spon, London, and Halsted (Wiley), New York, 1976. xx, 332 pp., illus. + plates. \$19. Reprint of the 1955 edition with an additional chapter. To order this book circle No. 465 on Readers' Service Card

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The Mosses of Southern Australia. George A. M. Scott and Ilma G. Stone. Illustrations by Celia Rosser. Academic Press, New York, 1976. xvi, 496 pp. \$44.75. To order this book circle No. 470 on Readers' Service Card

Paleobiogeography. Charles A. Ross, Ed. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1976 (distributor, Halsted [Wiley], New York). xviii, 428 pp., illus. \$27. Benchmark Papers in Geology, vol. 31. To order this book circle No. 471 on Readers' Service Card

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Singlet Molecular Oxygen. A. Paul Schaap, Ed. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1976 (distributor, Halsted [Wiley], New York). xxiv, 402 pp., illus. \$30. Benchmark Papers in Organic Chemistry, vol. 5. To order this book circle No. 475 on Readers' Service Card

Tortillas for the Gods. A Symbolic Analysis of Zinacanteco Rituals. Evon Z. Vogt. Harvard University Press, Cambridge, Mass., 1976. xviii, 236 pp., illus. \$16.50. To order this book circle No. 476 on Readers' Service Card

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