

Jeffery and Raff have put together a first-class collection of lectures. A chapter on the theoretical aspects of pattern formation would have been a worthwhile addition.

ALBERTO MONROY

Stazione Zoologica,
80121 Napoli, Italy

Some Other Books of Interest

Current Ornithology. Vol. 1. RICHARD F. JOHNSTON, Ed. Plenum, New York, 1983. xvi, 425 pp., illus. \$39.50.

The series *Current Ornithology* is an outcome of the Workshop on a National Plan for Ornithology initiated in 1975-76 under the sponsorship of the American Ornithologists' Union and the National Science Foundation. The intent is to present, at regular intervals, relatively short "reviews or position statements concerning the active fields of ornithological research" that "often will be done from the viewpoint of a readily-identified group or school." The papers in the first volume include discussions of comparative avian demography by Ricklefs, the determination of clutch size in precocial birds by Winkler and Walters, variation in mate fidelity in monogamous birds by Ford, and the evolution of differential bird migration by Kettersen and Nolan. The remaining eight papers, by Carey, Corbin, Cracraft, Hinchcliffe and Gumpel-Pinot, Martin, Rising, Shields, and Sibley and Ahlquist, deal with other issues of ecology, phylogeny, systematics, genetics, and development.

—K.L.

Planning and Analysis of Observational Studies. WILLIAM G. COCHRAN. Lincoln E. Moses and Frederick Mosteller, Eds. Wiley, New York, 1983. xiv, 145 pp. \$21.95. Wiley Series in Probability and Mathematical Statistics.

This is a posthumous work that has been prepared for publication by two of the author's associates. The class of studies it is concerned with is those in which controlled experimentation is impossible, as in the assessment of a given medical treatment or public health hazard when "the groups of people whom the investigator wishes to compare are already selected by some means not chosen by the investigator." The presentation is "addressed not to statisticians but to subject-matter people who do or may do" such studies. It is arranged accord-

ing to concepts of methodology rather than of "subject matter," with chapters on sources of variation in responses, statistical techniques involved in drawing conclusions from data, the planning of studies, the matching of populations and adjustments in the statistical analysis as ways of dealing with the problem of confounding variables, and studies in which there is no external comparison group. Some examples from actual studies are cited, and short lists of references to other literature dealing with issues of methodology are included.—K.L.

Tree Rings and Telescopes. The Scientific Career of A. E. Douglass. GEORGE ERNEST WEBB. University of Arizona Press, Tucson, 1983. xiv, 242 pp., illus. \$19.50.

Andrew Ellicott Douglass (1867-1962) began his career in astronomy as an assistant to William H. Pickering at Harvard. Moving to Flagstaff, Arizona, in 1894, he was active in the establishment of the Lowell Observatory there and became principal assistant to Percival Lowell. Dismissed by Lowell in 1901 in the wake of his increasing skepticism toward Lowell's theories concerning life on Mars, he eventually found a position at the University of Arizona in Tucson. There he was instrumental in the establishment of the Steward Observatory, of which he served as director until 1937. In addition to his activities in solar and planetary astronomy Douglass pioneered in the science of dendrochronology. Particularly concerned with relating terrestrial weather to solar activity, he developed techniques for using the annual growth rings of trees for dating archeological remains as well as for tracing climatic cycles. The Laboratory of Tree-Ring Research at the University of Arizona is part of his legacy in this field. In the present biography Douglass's two overlapping careers are traced separately. The author, a historian, has drawn heavily on the Douglass papers on deposit at the University of Arizona library.—K.L.

Observers Observed. Essays on Ethnographic Fieldwork. GEORGE W. STOCKING, JR., Ed. University of Wisconsin Press, Madison, 1983. vi, 242 pp., illus. \$19.95. History of Anthropology, vol. 1.

As the editor notes in the introductory chapter, the series this volume inaugurates is an outcome of the development of a more systematic concern on the part of both anthropologists and historians with the history of anthropology. It is

intended that the individual volumes of the series will generally be organized around particular themes "of historical and contemporary anthropological significance," although miscellaneous studies on "non-theme topics" will also be accommodated. The present volume contains seven papers on the theme of "participant-observation" as a style of inquiry: a partial translation by Douglas Cole of Franz Boas's Baffin Island letter-diary of 1883-84; accounts by Curtis Hinsley of the work of Frank Cushing and Jesse Fewkes in the American Southwest, by Stocking of fieldwork in British anthropology in the late 19th and early 20th centuries, and by James Clifford of the development of Marcel Griaule's ethnographic method; a consideration by Joan Larcom of Bernard Deacon's work in the New Hebrides in the light of her own subsequent work there; a retrospective account by Homer Barnett of his own work in Palau; and an "essay review" by Paul Rabinow of Clifford's *Person and Myth: Maurice Leenhardt in the Melanesian World*. There is also one "miscellaneous" paper, a study by Richard Handler of the development of the ideas of Edward Sapir.—K.L.

Books Received

Abstracting and Indexing Services in Perspective. Miles Conrad Memorial Lectures 1969-1983. M. Lynne Neufeld, Martha Cornog, and Inez L. Sperr, Eds. Information Resources Press, Arlington, Va., 1983. xii, 300 pp., illus. \$27.50.

Access to the World. A Travel Guide for the Handicapped. Louise Weiss. 2nd ed. Facts on File, New York, 1983. xviii, 222 pp. \$14.95.

Acid Deposition. Atmospheric Processes in Eastern North America. A Review of Current Scientific Understanding. National Academy Press, Washington, D.C., 1983. xvi, 376 pp., illus. Paper, \$16.50.

The Acoustic Sense of Animals. William C. Stebbins. Harvard University Press, Cambridge, Mass., 1983. xii, 168 pp., illus. \$16.50.

Acute Diarrhea. Its Nutritional Consequences in Children. Joseph A. Bellanti, Ed. Raven, New York, 1983. xvi, 224 pp., illus. \$25. Nestlé Nutrition Workshop Series, vol. 2. From a workshop, Washington, D.C., May 1982.

Advances in Cancer Control. Research and Development. Paul F. Engstrom, Paul N. Anderson, and Lee E. Mortenson, Eds. Liss, New York, 1983. xx, 524 pp., illus. \$62. Progress in Clinical and Biological Research, vol. 120. From a meeting, Washington, D.C., March 1982.

Advances in Solar Energy. An Annual Review of Research and Development. Vol. 1, 1982. Karl W. Böer and John A. Duffie, Eds. American Solar Energy Society, New York, 1983. viii, 312 pp., illus. \$95.

Advances in Two-Phase Flow and Heat Transfer. Fundamentals and Applications. S. Kekac and M. Ishii, Eds. Nijhoff, The Hague, 1983 (U.S. distributor, Kluwer Boston, Hingham, Mass.). Two volumes. xx, 920 pp., illus. \$125. NATO ASI Series E, Nos. 63 and 64. From a workshop, Spitzingsee, Germany, Aug. 1982.

The Ambivalent Mind. The Neuropsychology of Left and Right. Michael C. Corballis and Ivan L. Beale. Nelson-Hall, Chicago, 1983. xii, 312 pp., illus. \$24.95.

Annual Review of Military Research and Development: 1982. Kosta Tsipis and Sheena Phillips. Praeger, New York, 1983. xii, 172 pp., illus. \$24.95.

Annual Review of Plant Physiology. Vol. 34. Winslow R. Briggs, Russell L. Jones, and Virginia Wal-