

principles or point out gaps in our knowledge. This is far above the customary writing of coffee-table bird books.

Population Ecology of the Mallard. II. Breeding Habitat Conditions, Size of the Breeding Populations, and Production Indices.—Richard S. Pospahala, David R. Anderson, and Charles J. Henny. 1974. Bureau of Sport Fisheries and Wildlife Resource Publication 115. U.S. Dept. Interior, Washington, D.C. 73 p. \$1.60. Stock No. 2410-00387. This report evaluates data collected during May and July, 1955–73 in Alaska, Canada, and the north-central U.S. Analysis brings out the possible key factors that regulate the total Mallard population in North America.

Population Ecology of the Mallard. III. Bibliography of Published Research and Management Findings.—David R. Anderson, Patricia Ann Skaptason, Kathleen G. Fahey, and Charles J. Henny. 1974. Bureau of Sport Fisheries and Wildlife Resource Publication 119. U.S. Dept. of Interior, Washington, D.C. 46 p. \$1.30. Stock No. 2410-00377. This is a limited, classified list of 935 references pertaining primarily to the management of the Mallard. This publication and the preceding are available from the Superintendent of Documents, U.S. Govt. Printing Office, Washington, D.C. 20402.

Ocean Wanderers/The Migratory Sea Birds of the World.—R. M. Lockley. 1974. David & Charles, Newton Abbot, Devon, Great Britain; Stackpole Books, Harrisburg, Pa. 168 p. \$15.00. This book covers much the same subject as *Sea-Birds*, which Lockley wrote with James Fisher (1954, Houghton Mifflin Co., Boston), but it is a wholly new work. It is not only updated but also aimed at more general readership. Expertly written chapters deal with the evolution and adaptations of sea birds, behavior, ocean feeding grounds, navigation, effects of mankind, and the birds themselves. The book is well illustrated with drawings by Robert Gillmor, 37 photographs, and 22 maps.

The Zoological Record. Aves.—Compiled by the staff of the Zoological Society of London. 1974.

Volume 108, Section 18. Zoological Society of London. 264 p. £ 11.00. The indexes of this annual have been refined, making it more useful than ever as a guide to the scientific literature. Approximately 3500 publications are listed for 1971, the latest year covered. In spite of the time lag, research-minded ornithologists may find it worth the cost (\$26.84) to have a copy close at hand.

Autumn Hawk Flights/The Migrations in Eastern North America.—Donald S. Heintzelman. 1975. Rutgers Univ. Press, New Brunswick, N.J. 398 p. \$30.00. The southward migration of hawks along the mountain ridges of eastern North America is at times spectacular. This book is the first full synthesis of the voluminous data on this phenomenon. Novice hawk-watchers should read the parts on field study methods, hawk identification, and the hawk lookouts (a useful catalog). More advanced birders can learn from the chapters on raptor morphology and flight, on hawk migrations and weather conditions, on migration routes, geography, and hawk counts, and on the evolution of the Broad-winged Hawk. The book is written in a nontechnical style and contains abundant data, including 60 tables. It is illustrated with many photographs (which suffer in reproduction), maps, diagrams, and graphs.

Avian Energetics.—Edited by Raymond A. Paynter, Jr. 1974. Publications of the Nuttall Ornithological Club, No. 15. Cambridge, Mass. 334 p. Available from the Nuttall Ornithological Club, c/o Museum of Comparative Zoology, Harvard University, Cambridge, Mass. 02138. This important book is the record of a symposium arranged by the Nuttall Club to mark its Centennial in 1973. The four papers are "Seasonal allocation of time and energy resources in birds" by James R. King, "Consequences of body size for avian energetics" by William A. Calder, III, "Energetics of reproduction in birds" by Robert E. Ricklefs, and "Energetics of natural avian flight" by Vance A. Tucker. Each is a masterful review of its subject, written for advanced workers. The discussions that followed the papers are included. The Nuttall Club deserves to be commended for sponsoring this symposium and for producing this well-made book.

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FOR SALE: 21-year run of *The Auk*. January 1953 (Vol. 70 No. 1) to October 1973 (Vol. 90 No. 4). Best offer! Need space more than money! N. R. French, Grasslands Lab, Colorado State University, Fort Collins, CO 80523.

FOR SALE: Eaton, E. H. *Birds of New York*. 1914. Volume 2 only. \$20.00. H. T. Armistead, 39 Benezet St., Philadelphia, PA 19118.

WANTED: Copy of F. Haverschmidt's "Birds of Surinam" (1968, Oliver & Boyd, Edinburgh). Plates must be intact. C. F. Smith, 1152 Laurel St., Berkeley, CA 94708.

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