

RECENT PUBLICATIONS

Bird Hazards to Aircraft.—H. Blokpoel. 1976. Clarke, Irwin & Co., Ltd. 236 p. \$6.50. Available: Books Canada, Inc., 33 E. Tupper St., Buffalo, NY 14203. This book is the first comprehensive review of the problem of bird/aircraft collisions. Its seven chapters, which can be read in any order, deal with birds in general, migration, statistics on bird strikes on aircraft, methods for reducing the hazard, and organizations that are working on the problem. Twelve appendices give various kinds of pertinent data. Photographs, maps and diagrams. Nearly 450 references. Although the book is intended as a reference on one aspect of flight safety, it also demonstrates a practical application of ornithology.

Proceedings of the 16th International Ornithological Congress.—Edited by H. J. Frith and J. H. Calaby. 1976. Australian Academy of Science, Canberra. 765 p. Available: Australian Acad. Sci., P.O. Box 783, Canberra City, A. C. T. 2601, Australia. The reports and the symposium papers presented at the 1974 I. O. C. The Presidential Address by J. Dorst deals with the history of the South American avifauna. The symposia are as follows: 1, Origins of Australasian avifauna; 2, Biology of southern hemisphere species; 3, The value of various taxonomic characters in avian classification; 4, Breeding of birds in southern continents; 5, Biology of crowned sparrows (*Zonotrichia*); 6, Structure of feathers; 7, Physiological and behavioral adaptations to arid zones; 8, Systematics of Australian passerines; 9, Evolution of island land birds; 10, Co-operative breeding in birds; 11, Seabirds. The papers given at the general sessions are not listed but their abstracts have been published in *The Emu* 74, Suppl.; copies may be purchased from the Royal Australasian Ornithologists Union, Box 5236 BB G. P. O., Melbourne, Vic., 3001, Australia.

Crows of the World.—Derek Goodwin. 1976. Cornell University Press, Ithaca, New York. 354 p. \$28.50. This monograph describes the appearance, range, habits, nesting, voice, and display of every corvid species as far as is known. Its value lies not simply in the assembled information, but also in Goodwin's analysis of the taxonomy and comparative behavior of crows and jays. Color plates, line drawings, and maps by Robert Gillmor.

Birds of Utah.—C. Lynn Hayward, Clarence Cottam, Angus M. Woodbury, and Herbert H. Frost. 1976. Great Basin Naturalist Memoirs, No. 1, Brigham Young University, Provo, Utah. 229 p. \$10.00. The usual introductory sections cover historical background, conservation, bird populations, description of the State, and its bird habitats. The species accounts summarize the status and the records. Excellent monochrome and color photographs by R. D. Porter and R. J. Erwin. List of literature cited and index. A valuable book for Utah birders, especially in company with that by Behle and Perry (*Condor* 77:371, 1975).

The Birds of the Malay Peninsula, Volume V: Conclusion and survey of every species.—Lord Medway

and David R. Wells. 1976. H. F. and G. Witherby Ltd., in association with the Penerbit University, Malaya. 448 p. £25. This volume completes the series begun by H. C. Robinson fifty years ago and continued by F. N. Chasen. In three introductory chapters, Wells treats the principal associations and the annual cycles of the resident land birds, Medway discusses migratory birds, and I. C. T. Nisbet discusses the operation of the entire Palaearctic migration system. The subsequent systematic section summarizes present knowledge of every bird species known to have occurred in the region, up to the start of 1974. In addition, species not already treated in the previous volumes are described fully. Illustrated with 25 color plates by the late H. Grönvold. Maps, gazetteer of localities cited, lists of references, and index. As the capstone of the series or on its own, this volume is an important work on the birds of its region. A well-made book in the Witherby tradition.

Birds and mammals of the Belcher, Sleeper, Ottawa, and King George Islands, and Northwest Territories.—T. H. Manning, 1976. Canadian Wildlife Service Occasional Paper No. 28, Environment Canada. Available: Information Canada, Ottawa, Canada K1A 0S9. Cat. No. CW69-1/28. This is a report on the birds and mammals on islands off the east coast of Hudson Bay, based on field work in 1971 and 1973. Abundant data from observations and specimens are supplemented by previous records from these little-studied islands. Weight, fat grade, and breeding condition are tabulated for several species. Maps and a chart.

The Biogeochemistry of Blue, Snow, and Ross' Geese.—Harold C. Hanson and Robert L. Jones. 1976. Southern Illinois University Press, Carbondale, Ill. 281 p. \$15.00. Understanding the relationships, winter distribution, and management of Blue and Lesser Snow geese has been hampered by the near-impossibility of banding all of the individuals in a population. Hanson and Jones found that the amounts of twelve minerals incorporated into the feathers vary according to their presence in the environment of the geese at the time when the feather was formed. From these quantitative patterns it appears possible to determine the geographical origins of wintering populations of wild geese. This new technique promises to supplement or, in many cases, replace banding as a means of gathering such information. The research draws on the distribution and biology of geese, the geology and soils of northern Canada, relationships of soils and plants, and the chemistry of keratin and minerals in feathers. Although technical, the writing is admirably lucid. Many maps, photographs, and graphs of feather mineral patterns. List of references and index. An impressive pioneering investigation with ideas for many disciplines besides ecology, biochemistry, and waterfowl biology.

Annotated Checklist of the Birds of Ontario.—R. D. James, P. L. McLaren, and J. C. Barlow. 1976. Life Sciences Miscellaneous Publications, Royal Ontario Museum. 75 p. \$2.50. Available: R. Ont.

Mus., 100 Queen's Park, Toronto, Ontario, Canada M5S 2C6. A list of the avian species that have occurred in Ontario, either definitely or hypothetically. In a short concise paragraph, each species account provides summary information on breeding, frequency, abundance, seasonal and migratory status, dates of occurrence and egg-laying, and on subspecies in the province. Maps, list of references, and index to names.

Aepyornithoid Eggshell Fragments from the Miocene and Pliocene of Anatolia, Turkey.—E. G. Franz Sauer. 1976. *Palaeontographica* Abt. A, 153: 62–115. A monograph bearing on the ancestry of ratites. Dimensions and features of eggshell remains from several species are described and compared in detail. The systematic relationship of aepyornithoids to other ratites is discussed briefly. Magnified photographs of the fragments. In German, with English summary.

Report of the Pan-American Society for the Protection of Birds.—Committee on the Killing of Wild Birds for Scientific and Educational Purposes. [1976]. 14 p. \$1.00. Available: Carroll E. Pinkard, 6601 Walther Ave., Baltimore, MD 21206 or Dr. J. B. Tatum, Dept. of Physics, University of Victoria, Victoria, B.C. Canada V8W 2Y2. This pamphlet argues against the killing of wild birds for scientific and educational purposes "unless there is unquestionably good and worthwhile reason for doing so." The Committee examines and criticizes the report of an A. O. U. committee (*Auk* 92 [3, Suppl.]: 1A–27A, 1975) and then offers its own recommendations. It is careful and moderate as it strives toward a solution to a controversial and vexing problem. This report deserves serious consideration by all ornithologists who collect specimens or kill birds in the course of their research.

Wintering of the Migrant Bald Eagle in the Lower 48 states.—Donald A. Spencer. 1976. 170 p. Available: National Agricultural Chemicals Association, 1155 15th St., N.W., Washington, D.C. 20005. Bald Eagles that breed in the interior of Canada and northern U.S. winter chiefly in the west, from the Mississippi valley to the Pacific northwest. A wealth of information on wintering locations, numbers, migratory movements, food habits, and other aspects of these birds has been compiled from many observers to make this book. The data presented indicate that Bald Eagles are beginning to respond to some of the measures that have been undertaken on their behalf. A reference book for those concerned with the biology and survival of eagles.

A Guide to Bird-watching in Mallorca.—Eddie Watkinson. 1976. AB Grafisk Formgivning, J. Sanders, Stockholm, Sweden. 56 p. \$3.90. Available: M. Philbrick, P. O. Box 83, Vashon, WA 98070. A Spanish island in the western Mediterranean, Mallorca has some of the best birding places in Europe and large numbers of migrants during spring and fall. This booklet provides exceptionally detailed instructions not only on bird-finding but also everything else a tourist should know. Reading it is like having the author in person along as a guide. Many clearly-drawn local maps.

Die Vogelarten der Erde. 2 Lieferung.—Hans E. Wolters. 1976. Verlag Paul Parey, Hamburg. 80 p. Subscription DM 38. Available: Verlag Paul Parey, 2 Hamburg 1, Spitzlerstrasse 12, Postfach 106304, Germany. This is the second part of a systematic list of the birds of the world (first part noted in *Condor* 78:149, 1976). It goes from the Accipitridae to the Picidae, although in a new taxonomic arrangement.

Island Biology/Illustrated by the Land Birds of Jamaica.—David Lack. 1976. *Studies in Ecology*, Vol. 3, University of California Press, Berkeley and Los Angeles. 445 p. \$25.00. After spending a sabbatical year (1971) in Jamaica, with visits to other islands, Lack drafted Part II of this book, an examination of the ecology and systematics of Jamaican land birds. He then wrote Part I, his theory of island avifaunas, a view differing from that set forth by MacArthur and Wilson in their *Theory of Island Biogeography* (1967, Princeton). Lack eventually learned that his ideas were not so different from MacArthur's last views after all. But by then he was suffering from a terminal cancer (the same disease that had stricken MacArthur) and was unable to complete the book as he would have liked. After his death in 1973, the book was seen through the press by Dr. James Monk with the assistance of Elizabeth Lack and others. The outcome is an important analysis of the West Indian avifauna. Photographs, drawings, and range maps. Appendices of counts and distribution data; references; index.

A Guide to Eastern Hawk Watching.—Donald S. Heintzelman. 1976. Keystone Books, Pennsylvania State University Press, University Park. 99 p. Cloth \$8.95; paper \$5.95. This is an extensively revised and expanded version of a work published by the author in 1972. It covers much of the same material as his *Autumn Hawk Flights* (Rutgers Univ. Press, 1975), but with less detail on migrations. Many photographs of hawks in flight supplement the chapter on field identification. Field equipment, migration seasons, and the mechanics of hawk flights are treated briefly. Many good hawk lookouts in eastern North America are described with directions for getting to them. List of selected reading and index. A unique and useful field guide.

Birdwatchers Guide to Wildlife Sanctuaries.—Jessie Kitching. 1976. Arco Publishing Co., Inc., New York. 233 p. \$8.95. This book describes nearly 300 sanctuaries, parks, and refuges open to the public in the U.S. and Canada. For each, it gives the address, directions for reaching it, a description of the area, a partial list of species that may be found, advice on the best season, the source of a checklist, if any, and other useful information. Unnecessary photographs but no maps; index. Handy for traveling birders.

Birds and Their Ways.—Alexander Dawes Du Bois with Charlotte A. Du Bois. 1976. T. S. Denison & Co., Inc., Minneapolis. 184 p. \$8.95. A collection of essays in the tradition of John Burroughs about the habits of a number of familiar species in eastern U.S. Although old-fashioned in outlook, they are also old-fashioned in their reliance on careful, patient watching. Unpretentious and colorful, they offer

some interesting observations on bird behavior while evoking the author's experiences. Many of the monochrome photographs are remarkably good; Du Bois' patience and skill overcame the limitations of his equipment.

The Audubon Society Book of Wild Birds.—Les Line and Franklin Russell. 1976. Harry N. Abrams, Inc., N. Y. 292 p. \$35. The central interest of this book lies in 200 large, color photographs of birds selected mainly for their beauty. The accompanying text is printed in unusually large type, and this may be helpful to people with less than perfect eyesight. The subjects are grouped according to habits, thus: swimmers, waders, hunters, wanderers of the ocean,

birds of the open, birds of the jungles, etc. An exceptionally beautiful book.

Birds. Their Life. Their Ways. Their World.—Text by Christopher Perrins. Illus. by Ad Cameron. 1976. Harry N. Abrams, Inc., N. Y. 160 p. \$19.85. This attractive and informative book is illustrated in color on every page. Briefly it treats in order: evolution and classification, anatomy, locomotion and behavior, feeding, habitats, social behavior, breeding, migration, bird populations, and bird study. The authors are British and Dutch, and the examples emphasize European birds (using British common names) but also draw from America and other parts of the world. Indexed.