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RECENT PUBLICATIONS

Appendicular Myology and Relationships of the New World Nine-primaried Oscines (Aves: Passeriformes).—Robert J. Raikow. 1978. *Bull. Carnegie Mus. Nat. Hist.* No. 7, Pittsburgh. 43 p. Paper cover. \$3.50. Available: Carnegie Mus. Nat. Hist., 4400 Forbes Ave., Pittsburgh, PA 15213. This paper presents the results of an attempt to analyze the evolutionary relationships in a large assemblage of songbirds, based on the gross morphology of the forelimb and hindlimb muscles. Raikow suggests that "the Parulidae are the most primitive family of the group, the Thraupidae somewhat more advanced, and the Fringillidae and their descendents the most highly derived." The affinities of the vireos are still obscure. This is a clearly-written, though technical, report which will be of value to systematists.

Fauna Sinica, Series Vertebrata, Aves, Vol. 4: Galliformes.—Cheng Tso-hsin et al. 1978. Science Press, Academia Sinica, Peking, China. 203 p. The *Fauna Sinica* is a very ambitious project now underway (see the Special Report, p. 104-109) to survey the entire fauna of the People's Republic of China. This is a volume in that series, a general summary of present knowledge about the country's 56 species of gallinaceous birds. It was essentially finished in 1975 but publication was delayed by political problems. A general introduction presents the entire order and lists the species in the PRC. The species accounts include distribution, field marks, detailed description, subspecies, and habits. Many keys to species and subspecies are given, and taxonomic

relationships are discussed frequently. The list of references shows that Cheng and his five co-authors have been familiar with western ornithological literature, even in recent years. Illustrated with range maps, phylogenetic diagrams, and color plates. The book will be useful to researchers who are interested in the systematics and habits of the Galliformes—if they can read Chinese.

Behavioural Ecology: An Evolutionary Approach.—Edited by J. R. Krebs and N. B. Davies. 1978. Sinauer Associates, Inc., Sunderland, MA. 494 p. Hard cover \$34.00, paper cover \$17.50. The interactions among ethology, ecology, and the theory of natural selection during the past 25 years have created one of the most seminal and exciting areas in zoology. This textbook discusses some of theoretical ideas, observations, and data that have emerged here. Topics covered include predator-prey relationships, social organization, sex and choice of mates, communication, territoriality, habitat selection, decision-making, and life history patterns. Overlaps, duplications, and differences in style are inevitable in a book whose chapters are written by many different authors, but in the present case they are not bothersome. Mercifully, graphs are used instead of complex mathematical theory wherever possible. Although the book was planned for higher level undergraduates, it is certainly not too elementary for graduate students. Its many new ideas and reviews will interest researchers and teachers, especially those who feel a need to be brought up to date.

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RECENT PUBLICATIONS

Migratory game bird hunters and hunting in Canada.—Edited by H. Boyd and G. H. Finney. 1978. Canadian Wildlife Service Report Series No. 43. 125 p. Paper cover. Canada \$7.50, other countries \$9.00. Available: Printing and Publishing, Supply and Services Canada, Ottawa, Canada K1A 0S9. Canada has perhaps the best surveys of migratory game bird hunters and hunting in the world. This report describes the genesis and development of those surveys and summarizes some of the principal results. Chapters by various authors present the survey system, profiles of the hunters, distribution of waterfowl kill, and a few specific studies. Boyd offers thoughtful conclusions on the role of harvest surveys in managing the exploitation of waterfowl in Canada. Administrators and managers of wildlife throughout North America will be interested in this book.

Birds Protected in Canada under the Migratory Birds Convention Act.—1978 edition. Canadian Wildlife Service Occasional Paper No. 1. 38 p. Paper cover. Available: as above. Cat. No. CW 69-1/1-1978. "This publication lists all species of migratory birds included in the Convention and

found in Canada, the continental United States and adjacent waters to a distance of 320 kilometers from land or half the distance to a neighboring country, whichever is the least." The list is in taxonomic order and was largely prepared by W. E. Godfrey, former Curator of Ornithology, National Museum of Canada. Given for each species are its A.O.U. number, if any, its scientific, English, and French names, and its status.

Spatial changes in waterfowl habitat, 1964-74, on two land types, in the Manitoba Newdale Plain.—G. D. Adams and G. C. Gentle. 1978. Canadian Wildlife Service Occasional Paper No. 38. 27 p. Paper cover. Available: as above. Cat. No. CW 69-1/38. Newdale Plain, in southwestern Manitoba, is one of the finest waterfowl breeding regions in North America. With the aid of aerial photography, the effects of spatial changes in wetlands and vegetative cover were studied in sample areas over a ten-year span. The methods used and the findings will interest waterfowl biologists in the prairie provinces and neighboring U.S.

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RECENT PUBLICATIONS

Ducks, Geese & Swans of North America.—Frank C. Bellrose. 1976. Stackpole Books, Harrisburg, PA. 540 p. \$15.00. Here is a completely new and expanded version of the classic work by F. H. Kortright, which first appeared in 1942. Introductory chapters treat classification, molts and plumages (by Milton W. Weller), migration, conservation (by Glen C. Sanderson), hunting regulations (by Arthur S. Hawkins), identification technique, and mortality and disease. The species accounts cover measurements, identification, populations, distribution, migration, breeding, postbreeding activity, and food habits. Virtually the only unchanged elements of the original are T. M. Shortt's color plates, and even these are now grouped together and some of them are not well printed. New additions are many maps of ranges and migration corridors and the graphs of seasonal/geographic population changes. List of references, appendixes, index. This book contains a wealth of clearly-organized information, especially on migration and populations. It will be invaluable to ornithologists as well as waterfowl researchers, managers, and hunters. For an in-depth comparison of this work with those by Paul A. Johnsgard and by Ralph S. Palmer,

see the special review by Milton W. Weller (1977. Auk 94:172-177).

Ducks, Geese, and Swans of the World.—Paul A. Johnsgard. 1978. University of Nebraska Press, Lincoln. 404 p. \$35.00. The indefatigable Dr. Johnsgard has provided here a systematic review of the biology of every recent species (148) in the family Anatidae. No such comprehensive work in English has appeared since the classic multi-volume treatises by Phillips and by Delacour, which have long been out of print and are very scarce. This book complements the author's previous ones on waterfowl and summarizes his long-term studies on their comparative behavior and relationships. Each species account gives vernacular names, a list of subspecies, if any, measurements and weights, identification and field marks, natural history, status, relationships, and suggested readings. The book is attractively designed and generously illustrated with drawings, distribution maps, and color photographs, all by the author. It will be an invaluable starting reference on waterfowl, particularly for those species that are not covered in regional works on these birds.

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RECENT PUBLICATIONS

Species Index to Florida Bird Records in *Audubon Field Notes* and *American Birds*, Volumes 1-30, 1947-1976.—Margaret Coon Bowman. 1978. Special Publication No. 1, Florida Ornithological Society, Gainesville, Florida. 42 p. Paper cover. \$3.75. Available: Treasurer, F.O.S., 1701 NW 24th St., Gainesville, FL 32605. For many years, most of the published records of birds in Florida appeared in the regional reports in *AFN* and its successor, *AB*. This carefully-prepared index now makes them accessible. It will be invaluable, not only for studying changes in the distribution and abundances of Florida birds, but also for uncovering observations on their habits.

The Birds of South Dakota/An Annotated Check List.—Nathaniel R. Whitney, Jr. et al. 1978. The South Dakota Ornithologists' Union, Vermillion, South Dakota. 311 p. Paper cover. Available: W. H. Over Museum, Vermillion, SD 57069. Thanks to South Dakota's variety of habitats (though grassland predominates) and its location in the transition zone between eastern and western avifaunas, some 377 species of birds are recognized from the State. This book by members of the S.D.O.U. Check List Committee is the first comprehensive list of these birds to have been published since 1946. For each species, the status, habitat, and seasonal occurrence are summarized and a range map is given. A long list of citations documents the records. Indexes. A useful reference for birders in South Dakota and adjoining states.

Birds of the Southwest Pacific.—Ernst Mayr. 1978. Charles E. Tuttle Co., Rutland, Vermont. 316 p. Paper cover. \$5.75. This is a reprint edition of a

work first published in 1945 and long out of print. Nothing has yet appeared to replace it as an authoritative field guide to the birds in the broad area between Samoa, Fiji, New Caledonia, and Micronesia. It is organized differently than guides which cover smaller, more homogeneous avifaunas. The first part treats the seabirds and shorebirds and—in a general manner—the land and freshwater birds of the region. The second part then treats the land and freshwater birds of each island group in a specific manner. Illustrated with color plates by Frances Lee Jacques and line drawings by Alexander Seidel. Glossary and index. Peripatetic birders will welcome the return of this practical handbook, particularly in its pocket-size format.

Upland Birds of Northeastern New Guinea.—Bruce McP. Beehler. 1978. Wau Ecology Institute Handbook No. 4. 156 p. Paper cover. Available: Wau Ecology Institute, Box 77, Wau, Papua New Guinea. This is a field guide to the hill and mountain birds of the Morobe Province, a mountainous region in Papua New Guinea (PNG). The avifauna is diverse: over 50 families of birds—almost as many as in the entire U.S.—in an area about as large as Vermont and New Hampshire together! To aid birders who are new to the region, Beehler characterizes each of the families and lists the species to be found in each of several habitats. The species accounts briefly describe field marks, similar species, habitat, altitudinal range, abundance, and voice. They are illustrated with monochrome and color plates by William J. Adams. Since the guide includes about two-thirds of the known breeding birds in PNG, it will be useful throughout the country.

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RECENT PUBLICATIONS

Never Enough of Nature.—Lawrence Kilham. 1977. Droll Yankees, Mill Road, Foster, Rhode Island 02825. 264 p. \$10.00. The reflections of a naturalist who, through sensitive and patient watching, has seen many unusual sights in the wild and who has befriended a bizarre array of "pets." Most of the writing pertains to eastern North America although there is a section on the author's adventures in the tropics and Africa. Kilham's homespun prose and unique encounters with wild animals combine to make this book different but rewarding for amateur naturalists who feel that they can have "never enough of nature."

A Year with New England's Birds: A Guide to 25 Field Trips.—Sandy Mallett. 1978. New Hampshire Publishing Co., Somersworth, NH 03878. 128 p. Paper cover. \$5.95. This book recounts a series of field trips taken by the author and her family, throughout the year, to some of the good birding areas in New England. Each chapter includes a list of the species

to be expected at that time and place. Writing for novice birders, the author pleasantly evokes her experiences and tells a little about the birds she saw. Readers may have difficulty in following her trail, however, because directions for finding several places seem inadequate. Illustrated with photographs and nice drawings by Gail Reyna.

Birds of Man's World.—Derek Goodwin. 1978. British Museum (Natural History) and Cornell University Press, Ithaca and London. 183 p. \$10.95. With all the talk about endangered species, we tend to overlook those birds which have managed to thrive alongside mankind. This book redresses the balance, describing many of the ways by which birds have adjusted to or taken advantage of man-made changes in the environment. The author gives many examples from his own experiences, mostly in Britain, Egypt, Sri Lanka, and Australia. Addressed to a general audience, the book is informative and easily readable, but loosely organized and undocumented.