Annotated Checklist of the Birds of Arizona. Second Edition/Revised and Expanded.—Gale Monson and Allan R. Phillips. 1981. University of Arizona Press, Tucson. 240 p. Paper cover. $5.95. This authoritative checklist is the revised edition of a work first published in 1964. Documented species are distinguished from hypothetical species. The entry for each species gives its seasonal and distributional status, the subspecies represented, and a summary of important records, especially in the past 20 years. An appendix gives a special discussion of the races of the Red Crossbill (Loxia curvirostra) in Arizona, including descriptions of two new subspecies. This pocket-size book will be an indispensable field reference for serious birders in Arizona. Index.

The Birds of Northeastern Utah.—William H. Behle. 1981. Occasional Publication No. 2, Utah Museum of Natural History, University of Utah, Salt Lake City, Utah. 136 p. Paper cover. $10.95. This work supplements Behle and Perry's comprehensive Utah Birds (noted in Condor 77:371), being a detailed report on the hitherto little-known avifauna of the northeastern part of the State. A long introduction presents several aspects of the area, its ecology, and its birdlife. Several tables summarize information on habitat usage and density of hawks and owls. The species accounts cover seasonal status, ecological occurrence, a summary of specimens obtained, other pertinent localities where the species was seen, and a resumé of previously published records. For some species there are remarks on natural history and/or systematics. A list of references is given, but regretfully no map. Although this book will be useful to serious birders, it is primarily intended for curators and researchers who are working on the distribution and taxonomy of birds in Utah and adjacent states.


Department of Psychology, Saint Mary’s University, Halifax, Nova Scotia B3H 3C3, Canada. Accepted for publication 23 January 1979.

RECENT PUBLICATIONS

Form and Function in Birds, Volume 2.—Edited by A. S. King and J. McLelland. 1981. Academic Press Inc., London. 496 p. $97.00. This volume matches the first (noted in Condor 82:327) in treatment, authority, and format. It contains long, detailed chapters on the male genital organs (by P. E. Lake), cloaca and phallus (A. S. King), endocrine glands (R. D. Hodges), cardiovascular system (N. H. West, B. Lowell Langille, and D. R. Jones), lymphatic system (M. E. Rose), cranial nerves (A. Bubien-Waluszewska), and the functional anatomy of the avian jaw apparatus (P. Buhler). The text is generously illustrated with drawings, diagrams, photographs, and photomicrographs but the reproduction of the halftones is only mediocre. One cannot but regret that the book is so costly because it is certainly the best reference for its subjects, an important work for avian anatomists, physiologists, and pathologists. Lists of references, index.

Wildfowl 32.—Edited by G. V. T. Matthews and M. A. Ogilvie. 1981. Wildfowl Trust, Slimbridge. 176 p. Paper cover. $13.00. Source: Administrative Officer, Wildfowl Trust, Slimbridge, Gloucestershire GL2 7BT, England. The 21 articles in this volume variously concern the behavior, ecology, populations, feeding, activity budgets, and other aspects of anseriforms and other waterbirds around the world. Following these are seven reports from the International Waterfowl Research Bureau and The Wildfowl Trust. The biological emphasis and cosmopolitan scope of the preceding volume (noted in Condor 83:255) are admirably continued here. This series has become an important publication for waterfowl biologists far beyond Slimbridge. As before, this volume carries a color painting on the cover and several drawings by Peter Scott, in addition to the scientific illustrations.
Estimating Numbers of Terrestrial Birds.—Edited by C. John Ralph and J. Michael Scott. 1981. Studies in Avian Biology No. 6, Cooper Ornithological Society, 630 p. Paper cover. $20.00. Source: Allen Press, Inc., P.O. Box 368, Lawrence, KS 66044. This hefty volume offers the proceedings of a 1980 conference held to examine the methodology used in gathering and analyzing data on the numbers of birds. The many papers are grouped in sections: Estimating Relative Abundance, Estimating Birds per Unit Area, Comparison of Methods, Species Variability, Environmental Influences, Observer Variability, Sampling Design, Data Analysis, and Overviews. Each section is furnished with introductory and summarizing remarks. The Editors have added a Reader’s Guide, a useful aid for finding treatment of specific topics. Eight appendices give a glossary of terms used in avian censusing, reports of working groups, and lists of poster papers and all participants in the symposium. This collection offers avian ecologists and population biologists a wealth of new biological and statistical material. It should become a landmark for the improvement and standardization of census techniques. Illustrations, comprehensive list of references.

Conservation of New World Parrots/Proceedings of the ICBP Parrot Working Group Meeting, St. Lucia, 1980.—Edited by Roger F. Pasquier. Smithsonian Institution Press/International Council for Bird Preservation Technical Publication No. 1, Washington, D.C. 485 p. Paper cover. $14.00. Source: ICBP, Museum of Natural History 336, Smithsonian Institution, Washington, D.C. 20560. The ICBP’s Parrot Working Group met in St. Lucia to examine the threats to Caribbean and South American parrots—chiefly loss of habitat and the live-bird trade—and to devise a strategy for the conservation of these birds. Toward that end, 30 papers were given, dealing with the distribution, status, ecology, captive breeding programs, conservation, or importation of various species of parrots, mostly in the neotropics. This volume can serve as a supplement to The ICBP Bird Red Data Book (noted in Condor 83:309). Both books are important references for those who have concern and responsibility for the preservation of parrots and their habitats. The papers have individual lists of references; no index.
thank H. L. Achilles, M. Bull, J. duPont, S. Ervin, P. Garayalde, L. Kiff, R. Liversidge, J. O'Neill, S. Rothstein, J. Schmitt, R. Semba, F. Sheldon, F. C. Sibley, J. Spen-delow, N. and E. Wheelwright, and D. Wysham. The computer program was written by T. F. Smith. We are indebted to R. Britten, D. Kohne, G. Shields, and W. Thompson for advice. The laboratory work was supported by Yale University and National Science Foundation Grant DEB-77-02594.

LITERATURE CITED


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RECENT PUBLICATION

The Birds of Cameroon. An Annotated Check-list.—M. Louette. 1981. Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en schone Kunsten van Belgie, Klasse der Wetenschappen 43, No. 163. Brus-sels. 295 p. Price: BF 900,—. Source: Brepols I. G. P., Baron du Fourstraat 8, B 2300 Turnhout, Belgium. The Royal Belgian Academy of Sciences and Arts sponsored nine expeditions to Cameroon during 1970-1977 to study and collect the vertebrate fauna. Louette has already published extensively about the ornithological results of this undertaking, most recently (1977) a three-volume work in Flemish. He subsequently visited most of the leading museums of Europe and North America where material from the Cameroon is to be found, and reviewed the literature up to 1978. We now have a check-list (848 species) with 66 distribution maps pertaining to some 80 species. Dates and localities of the Belgian collection are given and a useful gazetteer with geographic coordinates helps to locate these places on any good map of western Africa. An important chapter following the check-list proper discusses several zoogeographical conclusions derived from the taxonomic and faunistic details found in the specimen survey. For the biogeographer these conclusions seem to be important, but are tantalizingly general, mostly lacking comprehensive documentation. It may be hoped that these will be forthcoming in a detailed study of the Cameroon ornithogeography promised by the author.—M. D. F. Udvardy.


Institute of Arctic Biology and Division of Life Sciences, University of Alaska, Fairbanks, Alaska 99701. Accepted for publication 4 June 1981.

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RECENT PUBLICATIONS

Polynyas in the Canadian Arctic.—Edited by Ian Stirling and Holly Cletar. 1981. Occasional Paper No. 45, Canadian Wildlife Service. 70 p. Paper cover. Source: Minister of Supply and Services [Ottawa, Canada]. Polynyas are areas of open water surrounded by ice, some of which appear in the same locations each year. This volume contains five reviews of subjects pertaining to the biological importance of polynyas in the Canadian Arctic. The first three concern their distribution, physical causes, and their use by marine mammals. There follow articles on the significance of polynyas to arctic colonial seabirds (by R. G. B. Brown and David N. Nettleship) and to sea ducks (by R. W. Prach, H. Boyd, and F. G. Cooch). They are valuable for bringing together currently available information, pointing out gaps in our knowledge, and calling attention to the potential threats posed by recent human activities in the arctic. Illustrations, lists of references.

New Studies of Tropical American Birds.—Alexander F. Skutch. 1981. Publications of the Nuttall Ornithological Club, No. 19. Cambridge, MA. 281 p. $29.50. Source: N. O. C., Museum of Comparative Zoology, Harvard University, Cambridge, MA 02138. This book contains 27 life histories of birds ranging from doves to tanagers. Five of them are wholly new and the rest are updated from accounts that Skutch published years ago. The studies concentrate on describing nesting habits and nestlings, yet variously treat food, voice, behavior, and other aspects, according to the author’s experience with each species. They take their place with his many earlier reports in providing a mine of sound information on the biology of birds in Central America. Collectively, they are unmatched in the literature of any other tropical avifauna. This book is illustrated with several nice wash drawings by Dana Gardner, unfortunately in monochrome rather than color. List of references, index.