

Introducing a new series of A.O.U. publications

ORNITHOLOGICAL MONOGRAPHS NO. 1

A Distributional Study of the Birds of British Honduras

By Stephen M. Russell

The first comprehensive report on the birds of British Honduras and the first in English on the birds of any Central American country in 26 years. Summarizes distribution, variation, breeding season, and ecological preferences. 195 pp., 2 color plates by Don R. Eckelberry, 8 halftones, 1 map and gazetteer.

Regular price \$4.50 postpaid. Price to A.O.U. Members \$3.60 postpaid.

ORDER NOW FOR IMMEDIATE DELIVERY from the Treasurer, American Ornithologists' Union, Louisiana State University Drawer MU, Baton Rouge, Louisiana 70803.

Birds of New Guinea

BY TOM IREDALE

The only comprehensive work on the subject, in which some 650 species are described and 1,500 sub-species are indicated. Illustrated by Lilian Medland with 35 plates in color figuring 347 birds.

In 2 volumes. Now available at £12. 12. 0 Australian (\$30.00 including postage)

Very few copies still available of BIRDS OF PARADISE AND BOWER BIRDS, by the same author, with 33 plates in color figuring 138 birds. £6/6/-Australian (\$15.00 including postage).

Obtainable from booksellers or from the publishers

GEORGIAN HOUSE PTY. LTD.

P. O. Box 52, Albert Park, Victoria, Australia

Wanted to Purchase

—BIRD BOOKS—

As well as books, periodicals and papers in the other Natural History fields.

Botany, Mammals, Fish, Reptiles,
Insects, and Invertebrates.

All languages

JOHN JOHNSON

R.F.D. 2, North Bennington, Vt. 05257

Catalogues free on Request

ROBERT J. NEWMAN
TREASURER, AMERICAN ORNITHOLOGISTS' UNION

Says:

"Though frequently called 'bird watchers,' most American bird enthusiasts concentrate on bird-finding, a fascinating pursuit that is particularly fascinating on this continent and an activity at which they are especially adept. *Audubon Field Notes* provides the most up-to-date and comprehensive news regarding bird-finding and is therefore a 'must' for every such enthusiast. At the same time, the journal is accumulating a wealth of data about the distribution of birds with vast potentialities for scientific analysis. As a result, *Audubon Field Notes* is one bird periodical that neither the specialized student of bird ranges nor the average amateur can afford to miss."

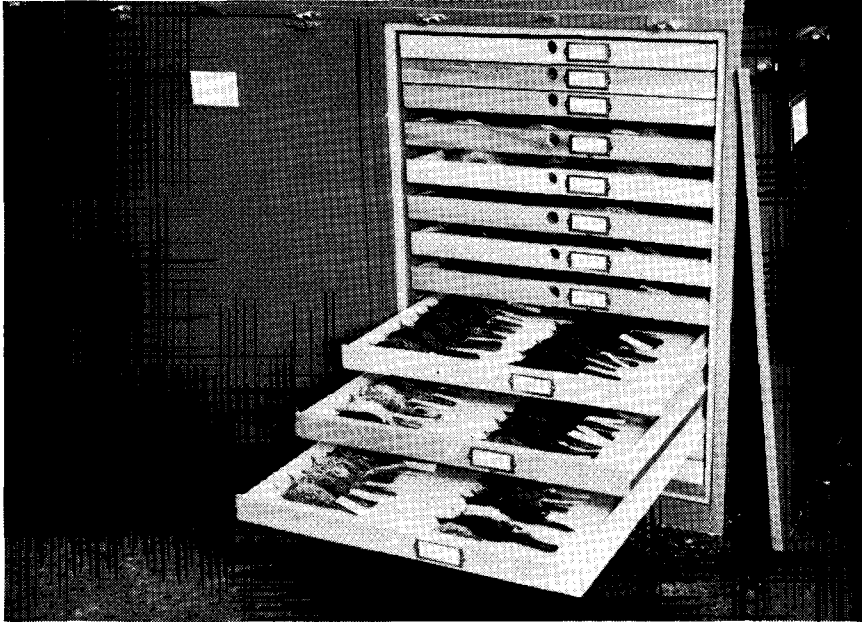
Audubon Field Notes

Subscribe Today! One year \$4.00 Two years \$7.00 Three years \$10.00
(Single copies of April issue—Christmas Bird Count—\$2.00)

NATIONAL AUDUBON SOCIETY 1130 Fifth Avenue, New York 10028

Lane **ZOOLOGY AND ORNITHOLOGY**
SPECIMEN CABINETS

Presenting our new
ALL-STEEL NATIONAL MUSEUM CASE
Custom-Sized to Your Requirements!



Plus All the Features that Make Lane Cabinets the Finest for

PERMANENT SPECIMEN PRESERVATION

SEE US IN BOOTH 106-107 - AIBS CONVENTION - BOULDER, COLO.

- Double Wall Construction
- Pest-Proof and Air Tight Seal
- Fumigant Compartment
- Front and Back Air Tight Seals
- Specimen Trays available in Metal or Wood

FOR
ILLUSTRATED
BROCHURE,
WRITE

Lane

SCIENCE EQUIPMENT CO.
105 Chambers Street New York 7, N. Y.

Lane Science Equipment Co. Dept. D
105 Chambers Street, New York 7, N. Y.

Please send complete details on Lane Zoology and Ornithology Specimen Cabinets to:

Name _____ Title _____

Institution _____

Address _____

City _____ Zone _____ State _____

The Proceedings of the XIIIth International Ornithological Congress

Produced by the American Ornithologists' Union, this latest publication in a distinguished series is a two-volume work, of more than 1,250 pages, bound in hard covers and illustrated by a colored frontispiece.

It contains 110 of the papers presented or read by title at the 1962 International Ornithological Congress, the first such congress held in America.

The result is a broad cross-section of contemporary world research on birds, with several articles representing each of the following subject areas: Taxonomy, Paleontology, and Systematics; General Studies of Behavior; Life History and Breeding Biology; Migration and Orientation; Phylogeny and Evolution; Birds and Arthropod-borne Viruses; Breeding Seasons and Adaptations; Mortality and Reproductive Rates; Population Studies; General Biology and Miscellaneous Studies; Annual Cycles and Migration; Endocrinology, Morphology, and Metabolic Studies; Zoogeography and Distribution.

Members of the AOU or of the XIIIth Congress who are associated with a college or university are urged to bring this important record of research to the attention of the acquisitions department of their campus library. Because *Proceedings* of International Ornithological Congresses appear only every four years and are published each time under different auspices, in different countries, institutional libraries often have no other ready means of learning when new offerings in the series become available.

\$20.00 per two-volume set
(postpaid, if remittance accompanies order)

Other publications of the AOU

"Check-list of North American Birds," 1957, bound, 691 pp., \$8.00 postpaid.

"Ten-year Index to The Auk 1941-1950," bound \$10.00, unbound \$8.00, postpaid.

Other Ten-year Indexes to The Auk available as follows: 1876-1900, bound or unbound; 1901-1910, unbound; 1911-1920, bound or unbound; 1921-1930, unbound; 1931-1940, bound or unbound. Bound volumes \$5.00, unbound volumes \$4.00, postpaid.

Order from: The Treasurer, American Ornithologists' Union, Museum of Zoology, Drawer MU, Louisiana State University, Baton Rouge, Louisiana 70803.

THE AUK

A Quarterly Journal of Ornithology

ORGAN OF THE AMERICAN ORNITHOLOGISTS' UNION

THE AUK is edited at the Museum of Natural History, The University of Kansas, Lawrence, Kansas 66045, by the following staff:

Editor, ROBERT M. MENGEL; *Assistant Editor*, J. KNOX JONES, JR.

Editorial Assistants, ERWIN E. KLAAS, LINDA T. KLAAS, and GARY C. PACKARD.

The Auk welcomes original articles and short notes, not published elsewhere, containing significant new knowledge about birds, or new interpretation of existing knowledge. Address all articles and notes intended for publication and all books intended for review to the editor.

Suggestions to contributors.—The efficient and economical transmission of knowledge by means of the printed word requires effective participation of author, editor, and printer. In order to facilitate the task of the printer, the editor should receive from authors MSS satisfying the following minimal requirements: *MSS should be typewritten, double-spaced (especially tables and "literature cited"), on one side of numbered sheets of standard (8½ × 11 in.) bond paper, with at least one inch margin all around. Tables (which should be unruled) and legends should be typed on separate sheets. Drawings should be in India ink on good board or drafting papers and lettered by lettering guide or the equivalent. Photographs should be clear, of good contrast, on glossy paper. Illustrations should allow (with particular regard to lettering) for reduction to ½ their original dimensions (final width will usually be 4¼ in.).*

Scientific and (if any) vernacular names of birds should be given upon first mention thereof and should follow the A. O. U. Check-list (1957) or the appropriate equivalent unless departures are explained and defended.

For bird weights and measurements, use metric units; for environmental and other precise measurements, metric units are recommended but English equivalents may be supplied parenthetically. The 24-hour clock and "continental" dating (e.g., 1 July 1758) are likewise recommended.

Titles should be short and descriptive. MSS should follow the conventions of form observed in articles, general notes, and reviews in *The Auk*, with minor variations, since 1950. If more than 10 works are cited, references in text should relate to a terminal list of "literature cited" (see *Auk*, vols. 78 or 79 for form; *include no titles not cited*) except in general notes, where citation should normally be in text. Avoid footnotes. *Where critical matter is cited from longer papers, indicate the pertinent pages*, e.g. "(Lack, 1947: 96–97)." Citations in text should be parenthetical, e.g. "(D. Lack, 1947. *Darwin's finches*. Cambridge Univ. Press)" or "(*Auk*, 79: 251, 1962)." *Verify all citations from original sources unless impossible, in which case so indicate.*

Articles more than 10 pp. long should include a summary that should not exceed 10 per cent of the length of the article.

For abbreviations and minor matters of form see recent issues of *The Auk*. The *Style manual for biological journals* (Washington, D. C., Amer. Inst. Biol. Sci., 1960) is generally useful also. In controversial matters of form *The Auk* frequently relies finally on the dicta of *A manual of style* (Chicago, Univ. Chicago Press, 1949).

Proofs of all articles and notes will be sent to authors. Reprints of articles, notes, and other items are to be paid for by the author. These must be ordered from the editor on the blanks sent with the proof and to be returned therewith. Printed covers can be furnished at additional cost.

CONTENTS

NOTES ON THE HARPY EAGLE IN BRITISH GUIANA. <i>James M. Fowler and James B. Cope</i>	257
YEARLY FLUCTUATIONS IN A POPULATION OF PURPLE MARTINS. <i>Harold Mayfield</i>	274
COLD-HARDINESS OF THE NEWLY HATCHED YOUNG IN RELATION TO ECOLOGY AND DISTRIBUTION IN TEN SPECIES OF EUROPEAN DUCKS. <i>Jukka Koskimies and Lauri Lahti</i>	281
THE STATUS OF FRANTZIUS' NIGHTINGALE THRUSH. <i>J. Stuart Rowley and Robert T. Orr</i>	308
SOME EFFECTS OF PROLACTIN ON REPRODUCTIVE BEHAVIOR IN THE BROWN-HEADED COWBIRD (<i>MOLOTHRUS ATER</i>). <i>Gerald G. Robinson and Dwain W. Warner</i>	315
IN MEMORIAM: ROBERT THOMAS MOORE. <i>Herbert Friedmann</i>	326
A STUDY OF THE PRAIRIE FALCON IN THE CENTRAL ROCKY MOUNTAIN REGION. <i>James H. Enderson</i>	332
OCCURRENCE AND MIGRATION OF CERTAIN BIRDS IN SOUTHWESTERN CALIFORNIA. <i>R. Guy McCaskie and Richard C. Banks</i>	353
BREEDING BEHAVIOR AND TAXONOMIC RELATIONSHIPS OF THE CURLEW SANDPIPER. <i>Richard T. Holmes and Frank A. Pitelka</i>	362
A PRELIMINARY STUDY OF THE SURVIVAL VALUE OF A FUNCTIONAL SALT GLAND IN PRAIRIE ANATIDAE. <i>F. G. Cooch</i>	380
BEHAVIOR OF CAPTIVE SOUTH AMERICAN COWBIRDS. <i>Robert K. Selander</i>	394
THE USE OF D ₂ O ¹⁸ FOR MEASURING ENERGY METABOLISM IN <i>COLUMBA LIVIA</i> AT REST AND IN FLIGHT. <i>Eugene A. LeFebvre</i>	403
REPORT OF THE COMMITTEE ON BIRD PROTECTION, 1963	417
REPORT OF THE RESEARCH COMMITTEE FOR 1962-63	426
GENERAL NOTES	
Extra helpers feeding young of Blue-winged and Golden-winged warblers. <i>Lester L. Short, Jr.</i>	428
Notes on the Horned Larks of western Minnesota and the Great Plains. <i>Robert W. Dickerman</i>	430
Rufous-necked Sandpiper, <i>Erolia ruficollis</i> , in northeastern Ohio. <i>Jon Ahlquist</i>	432
A specimen of Fuertes' Oriole, <i>Icterus fuertesii</i> , from Texas. <i>Robert W. Dickerman</i>	433
Red-billed Tropicbird on Long Island, New York. <i>John L. Bull</i>	433
<i>Tyrannus melancholicus</i> using a partially domed nest. <i>George L. Hunt, Jr.</i>	434
Red-tailed Hawk preys on black-tailed rattlesnake. <i>Roger D. Johnson</i>	435
A specimen of the Roadside Hawk, <i>Buteo magnirostris griseocauda</i> , from Texas. <i>Milton B. Trautman</i>	435
Birds associating with ungulates. <i>Constantine W. Benson</i>	436
Birds associated with elephants and hippopotamuses. <i>A. Landsborough Thomson</i>	436
Fulmar taken in Virginia. <i>Paul W. Sykes, Jr.</i>	437
A congenitally one-legged cowbird. <i>Reginald D. Manwell</i>	438
First House Finch collected in North Carolina. <i>Eloise Fretz Potter</i>	439
Notes on the birds of Webb County, Texas. <i>Lewis W. Oring</i>	440
Waterfowl wintering in the Marshall Islands, southwest Pacific Ocean. <i>Charles F. Yocom</i>	441
Activities of a Mallard (<i>Anas platyrhynchos</i>) brood after hatching. <i>A. de Vos</i>	442
Some records from Bermuda affecting the A.O.U. Check-list. <i>David B. Wingate</i>	442
Ancient Murrelet taken in Illinois. <i>Terry Balding</i>	443
REVIEWS. Edited by <i>Kenneth C. Parkes</i>	444
SPECIAL REVIEW: MR. TODD AND THE BIRDS OF LABRADOR. <i>Oliver L. Austin, Jr.</i>	461
RECENT LITERATURE. Edited by <i>John William Hardy</i>	465
NOTES AND NEWS	476
CORRIGENDA	477