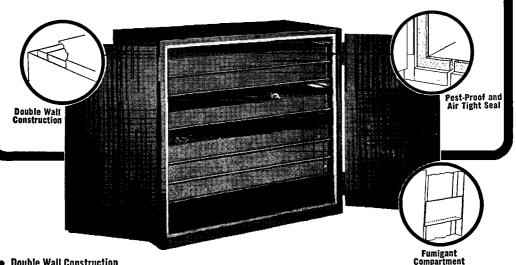
How many years would it take to replace your collection?

Safe-guard your valuable specimens

PERMANENT SPECIMEN PRESERVATION

ZOOLOGY AND ORNITHOLOGY SPECIMEN CABINETS



- Double Wall Construction
 - Pest-Proof and Air Tight Seal
 - Double Panel Door
 - Lift-Off Safe Type Hinge
 - Fumigant Compartment
 - 3-Point Locking Mechanism
 - Front and Back Air Tight Seals
 - Specimen Trays of Aluminum and Masonite. Lightweight, sturdy and easy to handle.

FOR ILLUSTRATED BROCHURE, WRITE



Skin Case #201 (illustrated) Holds large trays for larger specimens.

Skin Case # 202 (not illustrated) Divided for half-size trays for smaller specimens.

ent Co. Dept. D , New York 7, N. Y.	
te details on Lane Zoology and C its to:	ornithol-
Title	
· · · · · · · · · · · · · · · · · · ·	
ZoneState	
	ent Co. Dept. D , New York 7, N. Y te details on Lane Zoology and C sts to:

THE ROLE OF INSECTIVOROUS BIRDS IN FOREST ECOSYSTEMS

Edited by JAMES G. DICKSON, RICHARD N. CONNER, ROBERT R. FLEET, JEROME A. JACKSON and JAMES C. KROLL

Proceedings of a symposium, The Role of Insectivorous Birds in Forest Ecosystems, held on July 13-14, 1978, in Nacogdoches, Texas, sponsored by the School of Forestry, Stephen F. Austin State University, and the USDA Forest Service, Southern Forest Experiment Station, Wildlife Habitat and Silviculture Laboratory.

Leading biologists, entomologists, and forestry and wildlife scientists discuss the ecology of insectivorous birds and their roles in forest ecosystems. The papers presented here will be particularly helpful to forest managers in dealing with insectivorous birds, as well as aid in pointing out areas where information is lacking. Many mixed forests are being converted to pure forest stands. These forests are vulnerable to insect attack and epidemics-but insecticidal control of forest insects presents hazards and restrictions. These discussions will be especially valuable in formulating biological control strategies for use in forests.

1979, 400 pp., \$24.00 ISBN: 0-12-215350-2 Send payment with order and save postage and handling charge. Prices are subject to change without notice.

U.S. customers please note: On prepaid orders—payment will be refunded for titles on which shipment is not possible within 120 days.

ACADEMIC PRESS, INC.

A Subsidiary of Harcourt Brace Jovanovich, Publishers 111 FIFTH AVENUE, N.Y., N.Y. 10003 24-28 OVAL ROAD, LONDON NW1 7DX Please send me the following: _copies, Dickson et al., The Role of Insectivorous Birds in Forest Ecosystems, \$24.00 Check enclosed_ Please charge this order to my ___VISA American Express ___Diner's Club Master Charge Card No. Expiration Date_ Signature. (All orders subject to credit approval) NAME. ADDRESS. CITY/STATE/ZIP_ New York residents please add sales tax. Direct all orders to Georgia Phillips, Media Dept.

BIRD Bookshop

We can supply any natural history book in print; over 500 new bird and wildlife titles in stock; worldwide service; low postage rates; free 33-page booklist from the:

Bird Bookshop, Dept. 4, Scottish Ornithologists' Club, 21 Regent Terrace, Edinburgh, EH7 5BT, Scotland

PUBLICATIONS OF THE AMERICAN ORNITHOLOGISTS' UNION

Check-list of North American Birds. Fifth Ed. 1957 (reprinted 1975). Clothbound, 691 pages, \$15.00 (includes 32nd Supplement, 1973, and 33rd Supplement, 1976). Supplements sold separately at \$1.50 each.

Proceedings of the 13th International Ornithological Congress. 1963. Two volumes, 1,250 pages, clothbound, \$10.00 per two-volume set. (The best literature buy in ornithology.—G.E.W.!)

Report of The American Ornithologists' Union ad hoc Committee on Scientific and Educational Use of Wild Birds. Supplement, Auk 92, No. 3, July 1975, \$1.00 each.

Bird Collections in United States and Canada. Auk 90, No. 1, January 1973 (addenda and corrigenda Auk 93, No. 1, January 1976 included), \$1.50 each.

Career Opportunities in Ornithology (1974, American Birds 28: 741–746). Single copies free from the Secretary of the AOU. Include stamped, addressed envelope. Order multiple copies from Assistant to the Treasurer, AOU. Five copies, \$1.00.

Prepaid orders (including a \$0.50 handling charge per order) should be placed with Glen Woolfenden, Assistant to the Treasurer, AOU, Department of Biology, University of South Florida, Tampa, Florida 33620.

SPECIAL SALE OF BACK ISSUES OF THE AUK

Most of the available back issues of THE AUK are for sale for a limited time at a 70% discount. Rarer issues will not be discounted but still may be purchased at current prices while supplies last. For further information and a copy of the price list contact Dr. Joel Cracraft, Treasurer A.O.U., Department of Anatomy, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Illinois 60680.

THE AUK

A Quarterly Journal of Ornithology

PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

Editor: John A. Wiens, Department of Biology, University of New Mexico, Albuquerque, New Mexico 87131

Assistant to the Editor: JEAN FERNER

Editorial Board: OLIVER L. AUSTIN, JR., NICHOLAS E. COLLIAS, RICHARD F. JOHNS-TON, JAMES R. KING, HELMUT C. MUELLER, WILLIAM L. THOMPSON, RICHARD L. ZUSI

Associate Editors: Walter Bock (Reviews), Herbert W. Kale, II (Periodical Literature)

THE AUK welcomes original reports dealing with the biology of birds, emphasizing the documentation, analysis, and interpretation of laboratory and field studies, theoretical or methodological developments, or reviews of existing information or ideas. Contributions are welcomed from throughout the world, but must be written in English.

SUGGESTIONS TO CONTRIBUTORS. Submit the typewritten original and two copies of the text, tables, illustrations, and all other material to the Editor. All typewritten material must be double-spaced on one side of numbered 8½ × 11 inch (2½ × 28 cm) good quality bond paper, with at least 1 inch (2½ cm) margins. Originals typed on erasable, light weight, or mimeo bond will not be considered, but copies may be clear reproductions. Number pages through the Literature Cited. Avoid footnotes. The style of manuscripts should conform to general usage in recent issues. A cover page should contain the full title, a shortened version of the title (not to exceed 35 characters in length) for use as a running head, and your address at the time the research was conducted, followed by your present address, if different. The cover page should also include the name and full address of the individual to whom proof is to be sent.

Each Article should be preceded by an Abstract not exceeding 5% of the length of the paper. The Abstract should recapitulate the findings of the paper, not describe the work done. Acknowledgments should follow the text and precede the Literature Cited. Scientific and English names of birds always should be given where first mentioned in the text, and should follow the A.O.U. Check-list of North American Birds and supplements or the appropriate equivalent unless departures are explained and defended. Metric units should be used in all measurements. In general, abbreviations of statistical terms and mensural units should conform with the Council of Biology Editors (CBE) Style Manual. Use the 24-hour clock (0800 and 2030) and "continental" dating (1 July 1971).

Tables, which must not duplicate material in either the text or illustrations, are typewritten (doublespaced throughout!) separately from the text. Each table should contain a short but complete heading, and must not contain vertical rulings.

Illustrations (including labels of coordinates) should be on 8½ × 11 inch (21½ × 28 cm) sheets, and must be mailed flat. The name of the author and the figure number should be penciled on the back of each figure. Legends should be typed consecutively (double-spaced) on a separate page. Drawings should be drafted with undiluted india ink, and be large enough to permit ½ to ½ reduction to the size that they will appear in print. Graphs may be drafted on coordinate paper ruled with light blue lines; do not use coordinate paper ruled with green lines. Use mechanical lettering, pressure transfer letters, or calligraphy; typewritten lettering is not acceptable. Lettering should be large enough to be easily readable after 50% reduction of the figure, but not overly large. Lettering style should be uniform among all figures for a manuscript, as should the size of lettering following reduction. Photographs should be glossy prints of good contrast and sharpness, and should be approximately the same size as they will appear in print. Letters and arrows on photographs are best applied by pressure-sensitive materials.

In articles containing more than five references, the citations are listed (double-spaced!) in a Literature Cited section following the text and Acknowledgments. For five or fewer references, cite them in the text following these examples: Sauer (1972, Auk 39: 717), or (Sauer 1972, Auk 39: 717). Text citations should include author and year (e.g. Darwin 1858), or, if more than two authors are involved, the first author and year (Jones et al. 1947). If critical matter is cited or quoted directly from longer works, indicate the pertinent pages (e.g. MacArthur 1972: 204–207). Citations of two or more works on the same topic should be cited in chronological order (e.g. Meanley 1971, Dyer 1975). For abbreviations and forms of titles of serial publications, follow the BIOSIS List of Serials. Consult recent issues of The Auk and the CBE Style Manual for additional details.

A more detailed set of instructions for contributors appeared in The Auk, Vol. 94, No. 1 (January 1977), copies of which are available from the Editor.

ORNITHOLOGICAL MONOGRAPHS

Order from Glen E. Woolfenden, Assistant to the Treasurer A.O.U., Department of Biology, University of South Florida, Tampa, Florida 33620. All orders must be prepaid and include a \$0.50 handling charge. Prices to AOU members are given in parentheses.

- No. 1. A Distributional Study of the Birds of British Honduras, by Stephen M. Russell. 1964. \$7.00 (\$5.50).
- No. 2. A Comparative Study of Some Social Communication Patterns in the Pelecaniformes, by Gerard Frederick van Tets. 1965. \$3.50 (\$2.50).
- No. 3. The Birds of Kentucky, by Robert M. Mengel. 1965. \$15.00 (\$12.50).
- No. 5. A Comparative Life-history Study of Four Species of Woodpeckers, by Louise de Kiriline Lawrence. 1967. \$6.00 (\$4.50).
- No. 6. Adaptations for Locomotion and Feeding in the Anhinga and the Double-crested Cormorant, by Oscar T. Owre. 1967. \$6.00 (\$4.50).
- No. 7. A Distributional Survey of the Birds of Honduras, by Burt L. Monroe, Jr. 1968. \$14.00 (\$11.00).
- No. 9. Mating Systems, Sexual Dimorphism, and the Role of Male North American Passerine Birds in the Nesting Cycle, by Jared Verner and Mary F. Willson. 1969. \$4.00 (\$3.00).
- No. 10. The Behavior of Spotted Antbirds, by Edwin O. Willis. 1972. \$9.00 (\$7.50).
- No. 11. Behavior, Mimetic Songs and Song Dialects, and Relationships of the Parasitic Indigobirds (Vidua) of Africa, by Robert B. Payne. 1973. \$12.50 (\$10.00).
- No. 12. Intra-island Variation in the Mascarene White-eye Zosterops borbonica, by Frank B. Gill. 1973. \$3.50 (\$2.50).
- No. 13. Evolutionary Trends in the Neotropical Ovenbirds and Woodhewers, by Alan Feduccia. 1973. \$3.50 (\$2.50).
- No. 14. A Symposium on the House Sparrow (Passer domesticus) and European Tree Sparrow (P. montanus) in North America, S. Charles Kendeigh. 1973. \$6.00 (\$4.50).
- No. 15. Functional Anatomy and Adaptive Evolution of the Feeding Apparatus in the Hawaiian Honeycreeper Genus Loxops (Drepanididae), by Lawrence P. Richards and Walter J. Bock. 1973. \$9.00 (\$7.50).
- No. 16. The Red-tailed Tropicbird on Kure Atoll, by Robert R. Fleet. 1974. \$5.50 (\$4.50).
- No. 17. Comparative Behavior of the American Avocet and the Black-necked Stilt (Recurvirostridae), by Robert Bruce Hamilton. 1975. \$7.50 (\$6.00).
- No. 18. Breeding Biology and Behavior of the Oldsquaw (Clangula hyemalis L.), by Robert M. Alison. 1975. \$3.50 (\$2.50).
- No. 19. Bird Populations of Aspen Forests in Western North America, by J. A. Douglas Flack. 1976. \$7.50 (\$6.00).
- No. 20. Sexual Size Dimorphism in Hawks and Owls of North America, by Noel F. R. Snyder and James W. Wiley. 1976, \$7.00 (\$6.00).
- No. 21. Social Organization and Behavior of the Acorn Woodpecker in Central Coastal California, by Michael H. MacRoberts and Barbara R. MacRoberts. 1976. \$7.50 (\$6.00).
- No. 22. Maintenance Behavior and Communication in the Brown Pelican, by Ralph W. Schreiber. viii + 78 pp., 38 text figures. 1977. Price \$6.50 (\$5.00 to AOU members).
- No. 23. Species Relationships in the Avian Genus Aimophila, by Larry L. Wolf, viii + 220 pp., 17 text figures + 10 plates, long-play phono disc album. 1977. Price \$12.00 (\$10.50 to AOU members).
- No. 24. Land Bird Communities of Grand Bahama Island: The Structure and Dynamics of an Avifauna, by John T. Emlen. xi + 129 pp., 38 text figures, appendix. 1977. Price \$9.00 (\$8.00 to AOU members).
- No. 25. Systematics of Smaller Asian Night Birds Based on Voice, by Joe T. Marshall. viii + 58 pp., frontispiece, 15 plates, phono disc supplement, appendices I-III. 1978. Price \$7.00 (\$6.00 to AOU members).
- No. 26. Ecology and Behavior of the Prairie Warbler Dendroica discolor, by Val Nolan, Jr. xx + 595 pp., color frontispiece, 42 text figures, 8 appendices. 1978. Price \$29.50.