# The Auk

### reaches 4,000 ornithologists and 1,000 institutional libraries.

#### Rates and Space Dimensions for Advertisements in THE AUK

Space	Dimensions	Per Year (4 issues)	Per Issue
Full page	5" × 8"	\$700	\$250
½ page	$5'' \times 4''$	475	150
½ page	$5'' \times 2''$	250	75
Back outside cover (full page only)	5" × 8"		400

These are list prices; agencies recieve the usual 15 percent commission. This price list supersedes all previous price lists.

Publication dates: 1 January, 1 April, 1 July, and 1 October.

Closing dates: Eight weeks in advance of publication date.

Columns to page: One, 30 picas wide. Column size:  $5'' \times 8''$ .

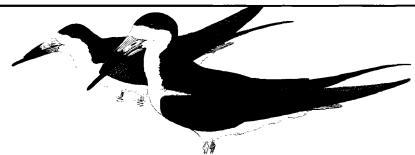
Column size: 5" × 8".

Printing process: Letterpress or offset.

Size of half-tone screen: Up to 150.

Address inquiries and space orders to:

Joel Cracraft, Treasurer, The American Ornithologists' Union, Department of Anatomy, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Illinois 60680.



#### A GUIDE TO THE BIRDS OF VENEZUELA

Rodolphe Meyer de Schauensee and William H. Phelps, Jr. Illustrations and facing-page Notes by Guy Tudor, with John A. Gwynne, Jr., H. Wayne Trimm, and Michel Kleinbaum

More than forty percent of the bird species known to inhabit South America have been found in Venezuela. Here in one volume, indispensable for the scientist and serious observer, is the essential information on this rich and varied avifauna – nearly 1,300 species, almost all of which are illustrated.

488 pages. 52 plates, 40 in color, 41 text figures. 6 x 9". \$27.50

Publisher of **A GUIDE TO THE BIRDS OF PANAMA** by Robert S. Ridgely, \$15.00 Write for our Books on Ornithology Brochure.

#### PRINCETON UNIVERSITY PRESS

Princeton, New Jersey 08540

Let the experts help you start a bird book library
. . . or build one

The 1977 American Birds Special Book Supplement\*



#### Contents:

- Choosing a basic ornithological library / Olin S. Pettingill, Jr., Kenneth C. Parkes, Thomas R. Howell, Dale Zimmerman, Dean Amadon. Five authorities each choose their top 25 essentials.
- The Master List of Bird Books for North America / Robert Arbib.
  The top 65 titles for a well-rounded library.
- An Annotated Selection of Regional Bird Books / Susan Roney Drennan. Sixty-six of the best state and provincial books.
- Recent book reviews.

\$1.75 postpaid. Send check or money order to:

American Birds
950 Third Avenue, New York, N.Y. 10022

\* Reprinted from American Birds, Vol. 30, pp 1006-23.

#### THE AMERICAN ORNITHOLOGISTS' UNION ANNOUNCES A SALE OF BACK ISSUES OF ORNITHOLOGICAL MONOGRAPHS

All available A.O.U. Ornithological Monographs published prior to 1977 (including Nos. 1-3, 5-7, 9-21) will be sold at discounts of 20% (with purchase of 1 to 4 monographs), 30% (purchase of 5 to 9 monographs), and 40% (purchase of 10 or more). Persons interested should send a prepaid order based on the prices given below, including a \$0.20 handling/postage charge for each issue ordered, to Glen E. Woolfenden, Assistant to the Treasurer A.O.U., Department of Biology, University of South Florida, Tampa, Florida 33620. Sale ends 31 December 1978.

- No. 1. A Distributional Study of the Birds of British Honduras, by Stephen M. Russell. 195 pp., 2 color plates. 1964. Price \$5.50.
- No. 2. A Comparative Study of Some Social Communications Patterns in the Pelecaniformes, by Gerard Frederick van Tets. 88 pp., 49 text figures. 1965. Price \$2.50.
- No. 3. *The Birds of Kentucky*, by Robert M. Mengel. Clothbound, 581 pp., 4 color plates plus text figures and vignettes. 1965. Price \$12.50.
- No. 4. Evolution of Some Arctic Gulls (Larus): an Experimental Study of Isolating Mechanisms, by Neal Griffith Smith. 99 pp., 62 text figures. 1966. Out of print.
- No. 5. A Comparative Life-history Study of Four Species of Woodpeckers, by Louise de Kiriline Lawrence, 156 pp., 33 text figures. 1967. Price \$4.50.
- No. 6. Adaptations for Locomotion and Feeding in the Anhinga and the Double-crested Cormorant, by Oscar T. Owre. 138 pp., 56 text figures. 1967. Price \$4.50.
- No. 7. A Distributional Survey of the Birds of Honduras, by Burt L. Monroe, Jr. 458 pp., 2 color plates, 28 text figures. 1968. Price \$11.00.
- No. 8. An Approach to the Study of Ecological Relationships of Grassland Birds, by John A. Wiens. 93 pp., 30 text figures. 1969. Out of print.
- 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. 76 pp. 1969. Price \$3.00.
- No. 10. **The Behavior of Spotted Antbirds**, by Edwin O. Willis. vi + 162 pp., 3 color plates. 27 text figures. 1972. Price \$7.50.
- No. 11. Behavior, Mimetic Songs and Song Dialects, and Relationships of the Parasitic Indigobirds (Vidua) of Africa, by Robert B. Payne. vi + 333 pp., 2 color plates, 50 text figures, 40 audiospectographs. 1973. Price \$10.00.
- No. 12. Intra-island Variation in the Mascarene White-eye Zosterops borbonica, by Frank B. Gill. vi + 66 pp., 1 color plate, 31 text figures. 1973. Price \$2.50.
- No. 13. Evolutionary Trends in the Neotropical Ovenbirds and Woodhewers, by Alan Feduccia. iv + 69 pp., 20 text figures. 1973. Price \$2.50.
- No. 14. A Symposium on the House Sparrow (Passer domesticus) and European Tree Sparrow (P. montanus) in North America, S. Charles Kendeigh, chairman. vi + 121 pp., 25 text figures. 1973. Price \$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. vii + 173 pp., 14 text figures + 26 plates. 1973. Price \$7.50.
- No. 16. **The Red-tailed Tropicbird on Kure Atoll**, by Robert R. Fleet. vi + 64 pp., 34 text figures, 5 tables. 1974. Price \$4.50.

- No. 17. Comparative Behavior of the American Avocet and the Black-necked Stilt (Recurvirostridae), by Robert Bruce Hamilton. vi + 98 pp., 18 text figures, 19 tables. 1975. Price \$6.00.
- No. 18. Breeding Biology and Behavior of the Oldsquaw (Clangula hyemalis L.), by Robert M. Alison. v + 52 pp., 13 text figures. 1975. Price \$2.50.
- No. 19. Bird Populations of Aspen Forests in Western North America, by J. A. Douglas Flack, viii + 97 pp., frontis., 56 text figures, appendix. 1976. Price \$6.00.
- No. 20. Sexual Size Dimorphism in Hawks and Owls of North America, by Noel F. R. Snyder and James W. Wiley, vi + 95 pp., frontis., 14 text figures, appendix. 1976. Price \$6.00.
- No. 21. Social Organization and Behavior of the Acorn Woodpecker in Central Coastal California, by Michael H. MacRoberts and Barbara R. MacRoberts, viii + 115 pp., 23 text figures, 2 appendices. 1976. Price \$6.00.

#### Also available, at the regular, non-sale prices are:

- 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).

#### JUST PUBLISHED

Ornithological Monographs 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).

#### 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**.

#### XVII INTERNATIONAL ORNITHOLOGICAL CONGRESS

#### June 4-11, 1978 West Berlin, Germany

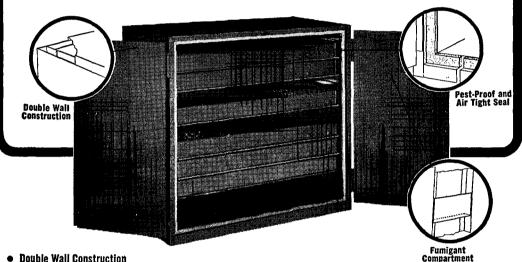
YOU CAN ATTEND THIS IMPORTANT GATHERING OF ORNITHOLOGISTS AS PART OF THE WONDER BIRD TOUR GROUP, HEADED BY JOHN BULL, DEPARTMENT OF ORNITHOLOGY, THE AMERICAN MUSEUM OF NATURAL HISTORY, NEW YORK CITY.

For details please contact WONDER BIRD TOURS, 500 Fifth Avenue, New York, N.Y. 10036. Phone (212) 279-7301, or JOHN BULL (212) 873-1300, Ext. 423.

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



105 Chambers Street New York 7, N. Y.

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

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

Lane Science Equipme 105 Chambers Street,	New York 7, N. Y.	
Please send complete ogy Specimen Cabinets	details on Lane Zoology and (to:	)rnithol-
Name	Title	
nstitution		
Address		
D:A	ZoneState	

### THE AUK

### A Quarterly Journal of Ornithology

PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

Editor: John A. Wiens, Department of Zoology, Oregon State University, Corvallis, Oregon 97331

Assistant to the Editor: Dona HEYDEN

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), Martha M. Wiens (Index)

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  $8\frac{1}{2} \times 11$  inch  $(2\frac{1}{2} \times 28 \text{ cm})$  good quality bond paper, with at least 1 inch  $(2\frac{1}{2} \times 28 \text{ cm})$  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  $8\frac{1}{2} \times 11$  inch  $(21\frac{1}{2} \times 28 \text{ cm})$  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  $\frac{1}{2}$  to  $\frac{1}{2}$  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.

### Pre-Publication Announcement Ornithological Monographs No. 26

# ECOLOGY AND BEHAVIOR OF THE PRAIRIE WARBLER DENDROICA DISCOLOR

by VAL NOLAN, JR.



The American Ornithologists' Union is proud to announce the publication in early 1978 of Ornithological Monographs No. 26, Ecology and Behavior of the Prairie Warbler Dendroica discolor, by Val Nolan, Jr. Over 600 pages long, with 188 tables and 42 figures (including a color frontispiece), this monumental work constitutes the most comprehensive study of a single species of bird ever published. Its thoroughly quantitative approach, complete index, and extensive cross-referencing will make it an indispensable reference work for all students of vertebrate life history. The imaginative approach of the author and his careful analysis of hundreds of life history phenomena will surely be a strong impetus to research on a wide range of topics by amateur and professional alike.

Prior to 1 March 1978, this hardcover book is offered at a special pre-publication price of \$27.50 including postage. After that date the price will be \$29.50 plus postage. Pre-paid orders should be sent to Dr. Glen E. Woolfenden, Assistant to the Treasurer, A.O.U., Department of Biology, University of South Florida, Tampa, Florida 33620.