

AMERICAN BIRDS

incorporating Audubon Field Notes



AUGUST 1974, VOLUME 28, NUMBER 4



AMERICAN BIRDS

incorporating Audubon Field Notes

AUGUST 1974, VOLUME 28, NUMBER 4
PUBLISHED BY THE NATIONAL AUDUBON SOCIETY

A bimonthly journal devoted to the birds of North America

* * * *

The Table of Contents for this issue will be found on the third cover

* * * *

EDITORIAL ADVISORS

John W. Aldrich
Allan D. Cruickshank
Eugene Eisenmann
Thomas R. Howell
Frances C. James
Robert J. Newman
Roger Tory Peterson
Olin Sewall Pettingill, Jr.
Chandler S. Robbins
Dale A. Zimmerman

EDITORS

Robert S. Arbib, Jr./*Editor*
Lois Heilbrun/*Christmas Bird Count*
Willet T. Van Velzen/*Breeding Bird Populations*
Ronald A. Ryder/*Winter Bird Populations*
Thana Siriphorn/*Circulation*
Kathleen Rafferty/*Cartography*

AMERICAN BIRDS is published six times a year. Editorial and business offices are located at 950 Third Avenue, New York, N. Y. 10022. Subscription: \$8.00 a year for the U. S. A., \$8.50 Canada, \$9.00 foreign. Single copies: Christmas Bird Count (April), \$4.50 per copy; Fall Migration (February), Winter Season and Winter Bird Population Study (June), Spring Migration (August), Nesting Season (October) and the Breeding Bird Census (December), \$1.50 per copy. Checks and money orders should be made payable to AMERICAN BIRDS. Second class postage paid at New York, N. Y. and additional Post Offices. Copyright © 1974 by the National Audubon Society, Inc. *Postmaster: if undeliverable, please notify American Birds on Form 3579 at 950 Third Avenue, New York, N. Y. 10022.*

ADVERTISING RATES EFFECTIVE JANUARY 1, 1974

Space	Dimensions width depth	1 Issue	3 Issues	6 Issues
Full page	5½" x 8"	\$200	\$560	\$1000
½ page vert.	25/8" x 8"	110	300	550
½ page horiz.	5½" x 4"	110	300	550
⅓ page horiz.	5½" x 25/8"	80	215	400
¼ page vert.	25/8" x 4"	65	170	325
¼ page horiz.	5½" x 2"	65	170	325

"Market Place" (Classified) \$3.00 per line. Min. 3 lines (135 characters)

Bleed. Full pages only. Add 15% to base price.

Bleed size: 6½" x 9½". Trim size: 6 9/16" x 9¼".

Back cover: Add 10% to base price.

Discounts for Listed Advertising Agencies 15%.

Six time discounts apply only if units run within a 2-year period. Three-time discounts if units run in one year.

Six issues per year. Publication date last day of February, April, June, August, October, December.

Deadline for receiving copy: Six weeks in advance of publication date.

Columns to page: 2. Column width: 16 picas. Full page width: 33 picas.

Text type is 9 pt. Times Roman and 8/9 Times Roman. Publication will set copy to your layout, but for special logotypes, etc., send cuts or repros. Typography and composition will be billed at cost. *Printing:* offset.

Address all communications and orders to: American Birds, 950 Third Avenue, New York, N Y 10022

Market Place

BOOKS

RARE, Antiquarian, and Out-of-print books on Ornithology and Natural History. World-wide search service. Libraries, small collections, and single volumes purchased. RUDOLPH WM. SABBOT. NATURAL HISTORY BOOKS, BOX 772, Woodland Hills, CA 91364.

BIRD BOOKS. Save on new and recent books in print. Personal service for your needs. For free lists, write to BUTEO BOOKS, P.O. Box 481, Vermillion, SD 57069.

BOOKS on Birds, Mammals, Natural History subjects. New or out-of-print. Catalogs furnished. PIERCE BOOK CO., Winthrop, Iowa 50682.

BIRDS, BOTANY & ECOLOGY—Natural history books, out-of-print and rare. Bought and sold. Free persevering search for your wants. PARTICIA LEDLIE, bookseller. 81 Weybridge St., Middlebury, VT 05753.

NEW PUBLICATION: Wintering Areas of Birds Species Potentially Hazardous to Aircraft. 143 maps from Christmas Bird Count data, prepared by staffs of American Birds, U.S. Fish & Wildlife Service, and many volunteers. 156 pp. \$2 postpaid. American Birds, 950 Third Avenue, New York NY 10022.

ON BUILDING A BASIC ORNITHOLOGICAL LIBRARY. A 16-page guide to the most important general works, field guides, special subject books, regional books, literary masterpieces. Designed to guide the personal collector or library. In 4 parts: 1. Symposium of 7 authorities selecting and commenting on their own 25-title basic lists; 2. The master list of 60 books; 3. The most useful regional, state, province and Latin America area books; 4. New and forthcoming books. Reprinted from *American Birds*, October 1971, updated. Highly praised, now out-of-print. \$1.25 post-paid. Special rates for resale by clubs, bookstores, nature centers. American Birds, 950 Third Avenue, New York, NY 10022.

BIRDERS — Keep your annotated lists in BIRDER'S LIFE LIST & DIARY. \$3.50 ppd. THE DIETERTS, 45 TREELAND RD., HUNTINGTON, CT. 06484.

REPRINTS AVAILABLE

The Audubon Winter Bird-Population Study, by Haven Kolb, 25¢; Breeding-Bird-Censuses —Why and How, by George A. Hall, 25¢; Breeding-Bird Census Instructions, by Willet T. Van Velzen, 25¢; An Appraisal of the Winter Bird-Population Study Technique, by Chandler S. Robbins, 25¢; A Quantitative Method of Habitat Description, by Frances C. James and Henry H. Shugart, Jr., 85¢; A Program for the Preservation of Documentary Photographs, by Richard L. Plunkett and Chandler S. Robbins, 10c; On the Art of Estimating Numbers, by Robert Arbib, 25¢. Order from American Birds, 950 Third Avenue, New York, NY 10022.

STAMPS

BIRDS ON POSTAGE STAMPS from many countries. 100 all different \$1.50. Free list. KAY FORD. P.O. Box 5203, Gulfport, Fla. 33737.

OPTICAL EQUIPMENT

LEITZ, ZEISS, B&L, SWIFT, BUSHNESS OPTICS and accessories. Send stamp for discount list. Specify literature desired. Large Stock. Orders filled day received. Postpaid. BIRDING, Box 5E, Amsterdam, NY 12010.

PUT-ONS

BEAUTIFUL PUT-ON. Genuine, original John James Audubon sweatshirt. Fleece-lined cotton flannel, long sleeves, the master's name and portrait on chest. Color: gray. Sizes: S, M, L, XL. \$5.95 postpaid. THE SHIRT BOX, P.O. Box 469, Harrison, N.Y. 10528.

AMERICAN BIRDS, incorporating Audubon Field Notes
AUGUST 1974, VOLUME 28, NUMBER 4

CONTENTS

- 741 Career Opportunities in Ornithology / *F.C. James et al.*
- 747 Update Your Field Guides / *James Tate, Jr., and Douglas P. Kibbe*
- 754 The Fourth Annual Salon of Photography
- 766 The Site Guide: Bonaire, Netherlands Antilles / *Robert Arbib*
- 769 Centers of Learning: The American Museum of Natural History / *Wesley E. Lanyon*
- 771 The Changing Seasons / *Sidney A. Gauthreaux, Jr., and Harry E. LeGrand, Jr.*
- The Spring Migration: April 1, 1974 - May 31, 1974
- 779 Hudson-St. Lawrence Region / *Richard P. Kane and P.A. Buckley*
- 784 Middle Atlantic Coast Region / *F.R. Scott and David A. Cutler*
- 788 Southern Atlantic Coast Region / *Robert P. Teulings*
- 790 Florida Region / *Herbert W. Kale II*
- 794 Ontario-Western New York Region / *Clive E. Goodwin & Richard C. Rosche*
- 800 Appalachian Region / *George A. Hall*
- 804 Western Great Lakes Region / *Al Maley*
- 807 Middlewestern Prairie Region / *Vernon M. Kleen*
- 810 Central Southern Region / *Thomas A. Imhof*
- 814 Northern Great Plains / *C. Stuart Houston and Stanley J. Shadick*
- 817 Southern Great Plains / *Frances Williams*
- 822 South Texas Region / *Fred S. Webster, Jr.*
- 825 Northwestern Canada Region / *Wayne Neily*
- 828 Northern Rocky Mountain-Intermountain Region / *Thomas H. Rogers*
- 832 Mountain West / *Hugh E. Kingery*
- 836 Southwest Region / *Steve Alden and Scott Mills*
- 838 Alaska Region / *Daniel D. Gibson and G. Vernon Byrd*
- 840 Northern Pacific Coast Region / *John B. Crowell, Jr., and Harry B. Nehls*
- 845 Middle Pacific Coast Region / *Rich Stallcup and Russell Greenberg*
- 851 Southern Pacific Coast Region / *Guy McCaskie*
- 855 Second U.S. Record of a Bahama Woodstar / *Erma J. Fisk*
- 856 Notes on Everglade Kite Reproduction / *Roderick Chandler and John M. Anderson*
- 859 News and Notes

COVER PHOTO—First prize in our Fourth Salon: Least Sandpipers, by Mark Champlin of Syracuse, New York