

# AMERICAN BIRDS

*incorporating Audubon Field Notes*



THIRD ANNUAL SALON OF PHOTOGRAPHS  
AUGUST 1973, VOLUME 27, NUMBER 4



# AMERICAN BIRDS

*incorporating Audubon Field Notes*

AUGUST 1973, VOLUME 27, NUMBER 4

PUBLISHED BY THE NATIONAL AUDUBON SOCIETY

IN COLLABORATION WITH THE U.S. FISH & WILDLIFE SERVICE

*A bimonthly journal devoted to the birds of North America*

\* \* \* \*

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

\* \* \* \*

## EDITORIAL ADVISORS

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

## EDITORS

Robert S. Arbib, Jr./*Editor*  
Chandler S. Robbins/*Technical 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: \$6.00 a year for the U.S.A., \$6.25 foreign. Single copies: Christmas Bird Count (April), \$3.50 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), \$1.00 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 © 1973 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, 1972

<u>Space</u>	<u>Dimensions width depth</u>	<u>1 issue</u>	<u>3 issues</u>	<u>6 issues</u>
Full page	5½" × 8"	\$200	\$560	\$1000
½ page vert.	2½" × 8"	110	300	550
½ page horiz.	5½" × 4"	110	300	550
⅓ page horiz.	5½" × 2½"	80	215	400
¼ page vert.	2½" × 4"	65	170	325
¼ page horiz.	5½" × 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:* 6¾" × 9¾". Trim size: 6<sup>9</sup>/<sub>16</sub>" × 9½".

*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 reprints. Typography and composition will be billed at cost. *Printing:* offset

Address all communications and orders to: Advertising Department, 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, general nature, ecology and camping at discount prices. JERRY F. PACE, Post Office Box 4, Cocoa, Fla. 32922.

---

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

---

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.

---

### BIRDER'S KIT

---

Send now for Birder's Kit. A year's subscription (Jan-Dec.) brings Where-to-Watch-Birds-In-Massachusetts, Field Problems (discussions on difficult identifications) and other useful leaflets in a monthly mailing. Send \$5.5 to 'Kit', Massachusetts Audubon Society, Lincoln, MA 01773.

---

### 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., 35¢; A Program for the Preservation of Documentary Photographs, by Richard L. Plunkett and Chandler S. Robbins, 10¢; 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.

---

### BOOKS WANTED

---

YOU GET A TAX DEDUCTION when you donate unwanted back issues of *Audubon Field Notes* and *American Birds* to the National Audubon Society. We acknowledge to you the current value of each issue you send, plus your postage, as a tax deductible gift to an educational organization. We use your copies to fill long-standing orders from libraries and others. Presently urgently needed are any and all issues of *Audubon Field Notes*, Vols. 1-8, plus Vol. 17, No. 6; Vol. 19, No. 6; Vol. 21, No. 6; Vol. 23, No. 1; *American Birds*, Vol. 25, No. 1, 4, 5, and Vol. 26, No. 1. Send copies in good condition only, securely wrapped, to: American Birds, 950 Third Avenue, New York, N.Y. 10022.

---

### OPTICAL EQUIPMENT

---

BAUSCH & LOMB at lowest prices. Zoom 60 \$104.52, Balscope Sr. \$86.07. Also Leitz, Zeiss, Bushnell binoculars and accessories. Request literature. BIRDING, 23 Dartmouth St., Amsterdam, N.Y. 12010.

AMERICAN BIRDS, incorporating Audubon Field Notes

AUGUST 1973, VOLUME 27, NUMBER 4

CONTENTS

- 711 Florida's Brown Pelican Population: Christmas Bird Count Analyses / *Ralph W. Schreiber and Elizabeth A. Schreiber*
- 716 The 1973 Wyoming Bald and Golden Eagle Survey / *George A. Wrakestraw*
- 719 Solar Power for Wildlife Telemetry Transmitters / *Timothy C. Williams and Edmund J. Burke*
- 721 The Third Annual Salon of Photographs
- 733 The Site Guide. Okefenokee Swamp, Ga. / S.C. / *Eugene Cypert*
- 736 Dying Elms: Boon to Woodpeckers / *Lawrence W. Kilham*
- 739 Black-browed Albatross Sightings off the United States East Coast / *Paul G. DuMont*
- 741 Another Chapter in the "Ornithological Mystery Story" / *Richard C. Rosche and Emmerson Bowes*
- 742 Black-capped Petrel north of Bermuda / *R. G. B. Brown*
- 743 The Changing Seasons / *Sidney A. Gauthreaux, Jr.*
- The Spring Migration: April 1—May 31, 1973
- 748 Northeastern Maritime Region / *Davis W. Finch*
- 751 Hudson-St. Lawrence Region / *Ned R. Boyajian*
- 754 Middle Atlantic Coast Region / *F. R. Scott and David A. Cutler*
- 758 Southern Atlantic Coast Region / *Robert P. Teulings*
- 761 Florida Region / *Herbert W. Kale, II.*
- 765 Ontario-Western New York Region / *Clive E. Goodwin and Richard C. Rosche*
- 772 Appalachian Region / *George A. Hall*
- 776 Western Great Lakes Region / *Al Maley*
- 777 Middlewestern Prairie Region / *Vernon M. Kleen and Lee Bush*
- 782 Central Southern Region / *Thomas A. Imhof*
- 785 Northern Great Plains / *Wayne E. Reynaud*
- 788 Southern Great Plains / *Frances C. Williams*
- 793 South Texas Region / *Fred S. Webster, Jr.*
- 796 Northern Rocky Mountain—Intermountain Region / *Thomas H. Rogers*
- 799 Great Basin—Central Rocky Mountain Region / *Hugh E. Kingery*
- 803 Southwest Region / *Gale Monson*
- 807 Alaska Region / *Daniel D. Gibson and G. Vernon Byrd*
- 809 Northern Pacific Coast Region / *John B. Crowell, Jr. and Harry B. Nehls*
- 813 Middle Pacific Coast Region / *Van Remsen and David A. Gaines*
- 818 Southern Pacific Coast Region / *Guy McCaskie*

COVER PHOTO—Horned Puffin, off Santa Cruz Island, Calif., May 13, 1973. See page 819 Photo/Keith Axelson.