

# AMERICAN BIRDS

*incorporating Audubon Field Notes*



OCTOBER 1975, VOLUME 29, NUMBER 5



# AMERICAN BIRDS

*incorporating Audubon Field Notes*

OCTOBER 1975, VOLUME 29, NUMBER 5  
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 back cover

\* \* \* \*

## EDITORIAL ADVISORS

John W. Aldrich  
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*  
Susan Roney Drennan/*Associate 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© 1975 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.*

## INFORMATION FOR AUTHORS

AMERICAN BIRDS welcomes the submission of articles and photographs for publication.

Our major areas of interest are the changing distribution, population, migration, and rare occurrence of the avifauna of North America, including Middle America and the West Indies. We solicit articles on problems in field identification, in our "Site Guide" series of birding locales, in our "Centers of Learning" series that profiles institutions concerned with ornithology, photo essays of unusual interest, or single photographs illustrating identification features, rare occurrence, unusual locale or habitat.

For a "Work in Progress" column, we welcome notices of research projects seeking field reports or other collaboration; we publish advance notices of important conventions, meetings, symposia, seminars, and conferences or other ornithological news. We are looking for more articles on the techniques of birding, bird photography or sound-recording, on the order of "On the Art of Estimating Numbers," (AB 26: 706-12).

All submissions will be carefully considered, but authors considering major submissions should correspond with the editor first. AMERICAN BIRDS publishes papers of a technical nature but only when written in a less-than-technical, easily readable style: i.e., no complicated equations, lengthy tables, or complex graphs. Major articles should be limited to 3000 words; exceptions may be agreed upon after consultation. Prospective authors should consult the index of articles in this issue and recent issues for an understanding of our interests. All material submitted should be original, and previously unpublished. Manuscripts should follow accepted rules of format and style, be typewritten, double-spaced, on white paper, with generous margins. Photographs should be glossy black-and-white or color prints, clearly marked with author's name and address. We require the original typescript and one carbon copy. All manuscripts will be acknowledged, but authors must recognise that a backlog exists which may entail delayed publication after acceptance.

For further information address the editor at the American Birds offices, 950 Third Avenue, New York, N Y 10022

# Waterfowl of North America



By Paul A. Johnsgard

Lavishly illustrated with photographs and drawings, this is a volume which waterfowl hunters, bird lovers, biologists, and ornithologists will treasure.

A comprehensive reference book summarizing the available information on all of the nearly sixty species of ducks, geese, and swans regularly occurring in continental North America. For each species the distribution, weights and measurements, information on identification, criteria for determining age and sex, and the North American subspecies are given. Preliminary chapters deal with migration and distribution patterns and hunting and recreational values. 640 pages, drawings, black and white and color photos, index.

Please send me \_\_\_\_\_ copies of WATERFOWL OF NORTH AMERICA @ \$25.00.  
Please add 50¢ postage and handling charge.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

To use Master Charge or BankAmericard, fill in the lines below.

Complete Account Number \_\_\_\_\_

Expiration Date \_\_\_\_\_ Bank No. (MC) \_\_\_\_\_

Signature \_\_\_\_\_



**INDIANA UNIVERSITY PRESS,**

**Tenth and Morton Streets, Bloomington, Indiana 47401**

# 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.

NEW PUBLICATION: Wintering Areas of Bird-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.

BIRDS, BOTANY & ECOLOGY — Natural history books, out-of-print and rare. Bought and sold. Free persevering search service. Catalogs issued. PATRICIA LEDLIE, bookseller 81 Weybridge St. Middlebury, VT 05753.

CHECKLIST of the Birds of Ecuador. The habitat zones, a frequency-seen rating and a plate or photograph reference. Includes 1341 species \$3.00. BOX Y, Durham, N.H. 03824.

BOOKS ABOUT BIRDS, a monthly newsletter devoted to news and reviews of bird books, old and new. \$9 per year, sample available. P O BOX 106, KEW GARDENS, JAMAICA, N Y 11415.

## STAMPS

BIRDS ON POSTAGE STAMPS from many countries. 25 different \$3.00. Free list. GEO. FORD, P.O. Box 5203, Gulfport, Fla. 33737.

## OPTICAL EQUIPMENT

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

BIRDERS! HUGE DISCOUNTS on Bausch and Lomb/ other binoculars & scopes. Free catalog and price list. Write MARIGOLD, BOX 5038-HI, SOUTH SAN FRANCISCO, CA 94080.

## PRINTS

One pair signed and numbered, limited edition ROGER TORY PETERSON art prints. The Ruffed Grouse and the Bobwhite. Write W.D. Cambell, 333 East 43 St., New York, N.Y. 10017.

BIRD PAINTINGS. Tomorrow's premier wild-life artist, Susan Reese Blackshaw, will do original watercolors of your favorite bird to order. Reasonable prices. Write: 183 Small Road, Syracuse, NY 13210.

## REPRINTS AVAILABLE

NEW REPRINT. National Directory of Rare Bird Alerts, by Susan Roney Drennan. \$5.00 Order from AMERICAN BIRDS, 950 Third Avenue, New York, N.Y. 10022.

## A subscription to American Birds makes a most welcome Christmas gift

For your friends who have not yet discovered the many fascinations of this journal, a year's subscription is a gift that will bring your good wishes, over and over again.

Send subscription orders to American Birds, 950 Third Avenue, New York, N.Y., 10022. One year \$8. Two years \$15. Canada: One year \$8.50. Two years \$16. A gift card in your name will be sent at Christmas time.

AMERICAN BIRDS, *incorporating Audubon Field Notes*  
OCTOBER, 1975, VOLUME 29, NUMBER 5

CONTENTS

- 923 Introductions, Transplants, and Invaders / *Charles H. Blake*
- 927 The Current Status of the Double-crested Cormorant in Utah: a Plea For Protection / *Ronald M. Mitchell*
- 931 Nesting Density of Common Ravens in the Ridge-Valley Region of Virginia / *Robert G. Hooper, Hewlette S Crawford, Dwight R. Chamberlain and Richard F. Harlow*
- 936 Trends in Wintering Diurnal Raptor Populations from Central Colorado Christmas Bird Counts / *D.W. Stahlecker*
- 941 The Changing Seasons / *James Tate, Jr.*

The Nesting Season: June 1 - July 31, 1975

- 945 Québec Region / *Normand David*
- 947 Delaware - Hudson Region / *P.A. Buckley, Robert Paxton, David Cutler*
- 954 Middle Atlantic Coast Region / *F.R. Scott*
- 957 Southern Atlantic Coast Region / *Robert P. Teulings*
- 960 Florida Region / *John C. Ogden*
- 963 Ontario Region / *Clive E. Goodwin*
- 967 Niagara - Champlain Region / *Douglas P. Kibbe*
- 970 Appalachian Region / *George A. Hall*
- 974 Western Great Lakes Region / *Daryl D. Tessen*
- 978 Middlewestern Prairie Region / *Vernon M. Kleen*
- 983 Central Southern Region / *James R. Stewart*
- 985 The Return of the Great-tailed Grackle / *James Pruitt and Nancy McGowan*
- 995 Northern Great Plains Region / *Esther M. Serr*
- 999 Southern Great Plains Region / *Frances Williams*
- 1003 South Texas Region / *Fred S. Webster, Jr.*
- 1006 Northern Rocky Mountain - Intermountain Region / *Thomas H. Rogers*
- 1010 Mountain West Region / *Hugh E. Kingery*
- 1014 Southwest Region / *Janet Witzeman, John P. Hubbard and Kenn Kaufman*
- 1018 Alaska Region / *Daniel D. Gibson and G. Vernon Byrd*
- 1020 Northern Pacific Coast Region / *John B. Crowell, Jr. and Harry B. Nehls*
- 1025 Middle Pacific Coast Region / *Rich Stallcup and Jon Winter*
- 1029 Southern Pacific Coast Region / *Guy McCaskie*
- 1038 Special Supplement: Recent and forthcoming books on birds
- 1043 Going Places: Trips and Tours January - June 1976
- 1050 Supplement: Bird Finding Guides / *compiled by Jeanne Gart*

COVER ILLUSTRATION — Great-tailed and Boat-tailed Grackles, from paintings by Nancy McGowan.