

American Birds

A bimonthly journal devoted to the birds of the Americas

Published by the National Audubon Society / Russell W. Peterson, Publisher

EDITORIAL ADVISORS
John W. Aldrich
Eugene Eisenmann
Thomas R. Howell
Frances C. James
Robert J. Newman
Roger Tory Peterson
Olin Sewall Pettingill, Jr.
George Miksch Sutton
Dale A. Zimmerman

EDITORS Robert S. Arbib, Jr./ Editor Susan Roney Drennan/ Associate Editor Lois Heilbrun/Christmas Bird Count Chandler S. Robbins/Technical Editor William C. Russell/Consulting Editor Willet T. Van Velzen/Breeding Bird Censuses Calvin L. Cink and Roger L. Boyd/Winter Bird-Populations Louis Dixon/Circulation Manager Lee Roversi Brown/Editorial Assistant Phyllis Lutyens/Editorial Assistant

ADVERTISING RATES EFFECTIVE MARCH 1, 1979

	Dimensions						
Space	Width	Depth				Per insertion	•
	(in	iches)			time	3 times	6 times
Back cover, color (trim to)*	8	11			\$650	\$600	\$550
Full page (back cover + 10%)	7	9-1/2			400	375	350
2/3 pg. vertical	4-1/2	9-1/2			300	275	250
2/3 pg. horizontal	7	6-3/8			300	275	250
1/2 pg. horizontal	7	4-3/4			220	200	180
1/3 pg. vertical	2-1/8	9-1/2			160	140	120
1/3 pg. horizontal	7	3-1/6			160	140	120
1/3 pg. square	4-1/2	4-3/4			160	140	120
1/4 pg. horizontal	7	2-1/4			135	125	115
1/6 pg. vertical	2-1/8	4-3/4			100	90	. 80
1/6 pg. horizontal	4-1/2	2-1/4			100	90	80
1/12 pg. vertical	2-1/8	2-1/4			60	55	50
				ons at cost. S			
Discount. To recognized agend apply only if units run within			reading en	nulsion side down		r, sena ne	es with cop gatives, righ
	n a 2-year nits run in o	(12-issue) period.	reading en		٦.		gatives, rigi
apply only if units run within Three-time discounts only if un	n a 2-year nits run in o	(12-issue) period.	reading en . Printing:	nulsion side dow	٦.		gatives, rigi
apply only if units run within Three-time discounts only if un Discounts credited against final Schedule of closing dates:	n a 2-year nits run in o insertion.	(12-issue) period.	reading en . Printing:	nulsion side dow	٦.	e screen 133/	gatives, righ /in. Color, to Nov. 30
apply only if units run within Three-time discounts only if un Discounts credited against final Schedule of closing dates: Date of issue Jan.	n a 2-year nits run in o insertion. 31	(12-issue) period. one year (6 issues).	reading en . Printing: 200/in.	nulsion side down	n. -white lin	e screen 133, . 30	gatives, righ /in. Color, to Nov. 30 Oct. 15
apply only if units run within Three-time discounts only if un Discounts credited against final Schedule of closing dates: Date of issue Jan.	n a 2-year hits run in o insertion. 31 15	(12-issue) period. one year (6 issues). Mar. 31	 reading en Printing: 200/in. 	nulsion side down offset. Black-and July 31	1. -white lin Sept	e screen 133, . 30 . 15	gatives, righ /in. Color, to Nov. 30

AMERICAN BIRDS is published six times a year. Editorial and business offices are located at 950 Third Avenue, New York, N.Y. 10022 Subscription: \$12.00 a year for the U.S.A. and \$14.00 foreign and Canada. Single copies: Christmas Bird Count (July), \$7.50 per copy; Fall Migration (March), Winter Season (May), Spring Migration (September), Nesting Season (November), Winter Bird - Population Study and the Breeding Bird Census (January), \$2.00 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 © 1980 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. ISSN: 004-7686.

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

Market Place

OPTICAL EQUIPMENT

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

BOOKS

NATURAL HISTORY. Especially BIRDS. Scarce, O.P., Rare. Catalogues \$1. The Book Chest Inc., 19y Oxford Place, Rockville Centre, NY 11570.

EAST BIRDING OR WEST SOUTHEAST AFRICA, ASIA. THE GALAPAGOS? Send \$1.00 for an extensive, annotated catloque of out of print and new bird books (including latest foreign field guides). Diligent, free service. Bird books search PATRICIA bought. LEDLIEbookseller, Box 46, Buckfield, ME 04220, 207-336-2969.

BIRD BOOKS are our specialty. Please send \$1., for a comprehensive catalog. BUTEO BOOKS, P.O Box 481, Vermillion SD 57069.

BIRDS - NATURAL HISTORY. Used, o.p. Catalog on request. B. Zaremba, 3 Livermore PI., Cambridge, MA 02141.

TOURS

LITTLE ST. SIMONS ISLAND. Best year-round birding on the Georgia coast. Naturalist/birders on staff. Accomodations comfortably rustic. Brochure: Little St Simons Is., P.O. Box 1096B, St. Simons Is., GA 31522. NATURAL HISTORY EXPEDI-TIONS for teenagers, 13–17. Birding, banding, mammalogy, herpetology, botany, ecology, archaeology, hiking and camping. Base camp in western New Mexico and travel in Colorado, Utah, southeastern Arizona. 7 weeks. Write Arch McCallum, Resident Naturalist, Cottonwood Gulch Foundation, Thoreau, NM 87323.

BIRDING IN IRELAND. Mar. 29– Apr. 11, 1980. 14 days. The best locations—the best time of year. Leader: Vincent Sheridan, Chmn, Irish Wildbird Conservancy. Limited to 15 participants. Approx. \$1000 incl. airfare from N.Y. For information: Sheila Madden, 628 E. 20th St. New York, NY 10009. Tel: 212-475-2696.

BIRD ART

AMERICAN SONGBIRDS hand carved, hand painted. From \$60.00. Write for listing: Roderick Spangle, 24 Fifth Ave., Apt. 211, New York, NY 10011. \$1.00 brings photo.

BUMPER STICKERS

"I'D RATHER BE BIRDING". Attractive bumper sticker. \$1.50. Mike Wihler, 2445 Vicente St., San Francisco, CA 94116.

BARGAIN

RESULTS! At \$4.00 a line, minimum 3 lines, you reach a possible 25,000 readers with your AMERICAN BIRDS Market Place ad, Buy, sell, job hunt, talent hunt. Try one and see.

BACK ISSUES WANTED

If you have issues or volumes of Audubon Field Notes from Vol. 1, No. 1 on, we have urgent orders from libraries and others to help fill sets. Please make offering by mail only; send no issues without prior correspondence with AMERICAN BIRDS, 950 Third Avenue, New York, NY 10022.

BACK ISSUES WANTED

YOU GET A TAX DEDUCTION when you donate unwanted back issues of American Birds. We acknowledge to you the current value of each issue you send, plus your postage, as a tax deductible gift to an educational organization. Send copies in good condition only, securely wrapped to American Birds.

REPRINTS AVAILABLE

The Audubon Winter Bird-Population Study, by Haven Kolb. 25e; Breeding-Bird Censuses-Why and How, by George A. Hall, 25ϕ , Breeding-Bird Census Instruc-tion, by Willet T. Van Velzen, 25ϕ ; 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, 10¢; On the Art of Estimating Numbers, by Robert Arbib, $25\overline{e}$. Order from American Birds, 950 Third Avenue, New York, NY 10022.

STAMPS

BIRDS ON POSTAGE STAMPS from many countries. 25 different 35¢. Free list. GEO. FORD, P.O. Box 5203-A, Gulfport, Fla. 33737.

SASE for details largest "Birds" postage stamp and album dealer. ACUARIO. 2415 SW 26th., Lane, Miami, FL 33133.

SUBSCRIPTION OFFER

Give someone a gift subscription to AMERICAN BIRDS, or find us a new subscriber, and we stretch your own subscription with one extra issue. Send us six, get a year's subscription free! Send names, addresses, and \$12 for each.

81st Audubon Christmas Bird Count

Saturday, December 20, 1980 through Sunday, January 4, 1981 A 16-day, three-weekend period

NOVEMBER 1979, VOLUME 33, NUMBER 6

CONTENTS

823 Leks, Sex, and Buff-breasted Sandpipers / photographs and text by J. P. Myers

826 The Least Pauraque in the Dominican Republic / Annabelle Stockton Dod

828 Second in Fuertes print series

830 The Blue List for 1980 / Robert Arbib

836 Death by drowning — one Cooper's Hawk's approach / photographs and narrative by Roy Gerig

837 Marsh Hawk drowns Common Gallinule / Michael D. Fitzpatrick

838 Presumed hybrids of the Herring Gull and the Great Black-backed Gull / Roger A. Foxall

839 The Changing Seasons / Paul Lehman and Brad Schram

The Nesting Season: June 1 - July 31, 1979

845 Northeastern Maritime Region / Peter D. Vickery

847 Québec Region / Michel Gosselin and Normand David

- 848 Hudson-Delaware Region / Keith C. Richards, Robert O. Paxton, and David A. Cutler
- 851 Middle Atlantic Coast Region / F. R. Scott
- 853 Southern Atlantic Coast Region / Harry E. LeGrand, Jr.
- 855 Florida Region / John C. Ogden
- 858 Ontario Region / Clive E. Goodwin
- 860 Niagara-Champlain Region / Douglas P. Kibbe
- 862 Appalachian Region / George A. Hall
- 864 Western Great Lakes Region / Daryl D. Tessen
- 866 Middlewestern Prairie Region / Vernon M. Kleen
- 869 Central Southern Region / Jerome A. Jackson and C. Dwight Cooley
- 872 Prairie Provinces Region / J. Bernard Gollop
- 874 Northern Great Plains Region / Esther M. Serr
- 876 Southern Great Plains Region / Frances Williams
- 878 South Texas Region / Fred S. Webster, Jr.
- 879 Northwestern Canada Region / Helmut Grünberg
- 881 Northern Rocky Mountain-Intermountain Region / Thomas H. Rogers
- 883 Mountain West Region / Hugh E. Kingery
- 886 Southwest Region / Janet Witzeman, John P. Hubbard and Kenn Kaufman
- 889 Alaska Region / Daniel D. Gibson
- 890 Northern Pacific Coast Region / Bill Harrington-Tweit, Philip W. Mattocks, Jr., and Eugene S. Hunn
- 893 Middle Pacific Coast Region / Stephen A. Laymon and W. David Shuford
- 896 Southern Pacific Coast Region / Guy McCaskie
- 898 Hawaiian Islands Region / Robert L. Pyle and C. John Ralph

899 Going Places: Trips and Tours March - September, 1980 / compiled by Susan Roney Drennan

- 906 Communications
- 911 Announcements
- 912 The Last Word
- 914 Index for Volume 33 / prepared by Lee Roversi Brown

COVER PHOTO Male Buff-breasted Sandpiper displaying on his territory in a lek along the Meade River in arctic Alaska. This single wing-up display is part of the ritual used by these males to attract females to their copulation site. Photo by J. P. Myers.