The Auk

A Quarterly Journal of Ornithology

Vol. 98 No. 1 January 1981 (ISSN 0004-8038)



CONTENTS

Otus marshalli, A New Species of Screech-Owl from Perú. John S. Weske and John W. Terborgh
BIRD COMMUNITIES ALONG A MONTANE SERE: COMMUNITY STRUCTURE AND ENERGETICS. Kimberly G. Smith and James A. MacMahon
THE ROLE OF NUTRIENT RESERVES IN MALLARD REPRODUCTION. Gary L. Krapu
PARENTAL COMPONENTS OF VARIANCE IN GROWTH RATE AND BODY SIZE OF NESTLING EUROPEAN STARLINGS (Sturnus vulgaris) IN EASTERN PENNSYLVANIA. Robert E. Ricklefs and Susan Peters
Interhabitat Movements by Sanderlings in Relation to Foraging Profitability and the Tidal Cycle. Peter G. Connors, J. P. Myers, Carolyn S. W. Connors, and F. A. Pitelka
CHANGES IN DIET AND BODY COMPOSITION OF CANADA GEESE BEFORE SPRING MIGRATION. M. Robert McLandress and Dennis G. Raveling
Song Variation within a Population of White-eyed Vireos (Vireo griseus). Richard A. Bradley
DISPERSAL OF A NEOTROPICAL NUTMEG (Virola sebifera) BY BIRDS. Henry F. Howe
NEST SPACING, REPRODUCTIVE SUCCESS, AND BEHAVIOR OF THE GREAT BLACK-BACKED GULL (Larus marinus). Ronald G. Butler and Wayne Trivelpiece
GOLDEN-WINGED WARBLERS AND BLUE-WINGED WARBLERS: THE RELATIVE SUCCESS OF A HABITAT SPECIALIST AND A GENERALIST. John L. Confer and Kristine Knapp
DABBLING DUCK ACTIVITY AND FORAGING RESPONSES TO AQUATIC INVERTEBRATES. Richard M. Kaminski and Harold H. Prince
Estimation of Distance of Singing Conspecifics by the Carolina Wren. Douglas G . Richards
EXTRAMARITAL AND PAIR COPULATIONS IN THE CATTLE EGRET. Masahiro Fujioka and Satoshi Yamagishi
BEHAVIOR AND ATTENDANCE PATTERNS OF THE FORK-TAILED STORM-PETREL. Theodore R. Simons
IN MEMORIAM: GEORGE H. LOWERY, JR. Thomas R. Howell and John P. O'Neill
IN MEMORIAM: WILLIAM T. KEETON. Stephen T. Emlen
IN MEMORIAM: ALFRED M. BAILEY. Allan R. Phillips
SHORT COMMUNICATIONS
A Temperate Species-rich Assemblage of Migrant Frugivorous Birds. Robert Rybczynski and Donald K.

(Continued on inside front cover)

PUBLISHED BY

THE AMERICAN ORNITHOLOGISTS' UNION Washington, D.C.

Sex-related Differences in Territorial Aggression by Ring-billed Gulls. Linda Kinkel Southern	179
Fertility of Albinistic Eggs of Mountain Bluebirds. Hugh L. Munro, Donita H. Munro, and Richard C. Rounds	181
Black Vulture Nesting, Behavior, and Growth. Laurie A. McHargue	182
Song and Territory Defense in the Red-winged Blackbird. Ken Yasukawa	185
Discovery of the Nest and Eggs of the Cinereous Finch (Piezorhina cinerea), a Peruvian Endemic. Morris D. Williams	187
The Capture Efficiency of Flickers Preying on Larval Tiger Beetles. Elizabeth J. Mury Meyer	189
Nocturnal Activities of Brazilian Hummingbirds and Flycatchers at Artificial Illumination. Helmut Sick and Dante Martins Teixeira	191
Commentary	
The Museum Tradition in Ornithology—a Response to Ricklefs. Storrs L. Olson	193
Old Specimens and New Directions: a Comment. Mary C. McKitrick	196
Response: It's Time for Museums and Biology Departments to Get Back Together. Robert E. Ricklefs	196
Reviews. Edited by Walter Bock	199
Brewster and Coues Awards, 1980	213
Notes and News 64, 126, 144,	158

THE AMERICAN ORNITHOLOGISTS' UNION (FOUNDED 1883)

OFFICERS FOR 1980-81

President: James R. King, Laboratory of Zoophysiology, Washington State University, Pullman, Washington 99163.

President-Elect: Thomas R. Howell, Department of Zoology, University of California, Los Angeles, California 90024.

Vice-President: GLEN E. WOOLFENDEN, Department of Biology, University of South Florida, Tampa, Florida 33620.

Editor of The Auk: John A. Wiens, Department of Biology, University of New Mexico, Albuquerque, New Mexico 87131.

Secretary: Kendall W. Corbin, Bell Museum of Natural History, University of Minnesota, Minnesota, Minnesota 55455.

Treasurer: JOEL CRACRAFT, Department of Anatomy, University of Illinois at the Medical Center, Chicago, Illinois 60680.

Editor of Ornithological Monographs: Mercedes S. Foster, Division of Birds, National Fish and Wildlife Laboratory, National Museum of Natural History, Washington, D.C. 20560

Persons interested in birds are invited to join The American Ornithologists' Union. Dues are \$18 per year (\$16 for new members); student memberships are \$14 (\$12 for new members). All members receive THE AUK. Subscription price to institutions and nonmembers is \$20. For single copies and back issues write the Treasurer. A Life Membership is \$480, paid in one lump sum or in four installments of \$120. Any person may become a Patron with a gift or bequest of \$1,000, or a Benefactor with a gift or bequest of \$10,000. The names of Patrons and Benefactors are inscribed in perpetuity in the records. Contributions to the A.O.U. are tax deductible.

Send requests for information concerning membership, advertising, subscriptions, or back issues to the Treasurer. Information on or orders for ORNITHOLOGICAL MONOGRAPHS and other special publications may be obtained from Glen E. Woolfenden, Assistant to the Treasurer A.O.U., Department of Biology, University of South Florida, Tampa, Florida 33620. Communications may also be routed through the Union's permanent address: National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560.

Send change of address, payment of dues, or requests for undelivered issues of THE AUK to Sandra L. L. Gaunt, Director, Ornithological Societies of North America, Box 21160, Columbus, Ohio 43221.

Published quarterly (January, April, July, and October) by the American Ornithologists' Union. Business office: Joel Cracraft, Treasurer, Department of Anatomy, 1853 W. Polk St., University of Illinois at the Medical Center, Chicago, Illinois 60680. Printed by Allen Press Inc., Lawrence, Kansas, U.S.A. 66044. Second-class postage paid at Chicago, Illinois and at additional mailing office. Copyright 1981 by The American Ornithologists' Union. All rights reserved. Printed in U.S.A.