The Auk

A Quarterly Journal of Ornithology

Vol. 99 No. 1 January 1982



CONTENTS

THE WHITE-CROWNED SPARROW: STABILITY, RECRUITMENT, AND POPULATION STRUCTURE IN THE NUTALL SUBSPECIES (1975–1980). Lewis Petrinovich and Thomas L. Patterson
VARIATION IN THE SIZE AND SHAPE OF DARWIN'S FINCH EGGS. P. R. Grant
FORAGING-FLOCK RECRUITMENT AT A BLACK-BILLED GULL COLONY: IMPLICATIONS FOR THE INFORMATION CENTER HYPOTHESIS. Roger M. Evans
HOW IMPORTANT ARE BIRD COLONIES AS INFORMATION CENTERS? Range D. Bayer
The Hindlimb Musculature of the Mousebirds (Colliformes). Susan L. Berman and Robert J. Raikow
Territoriality and Behavioral Correlates of Reproductive Success of Great Black- backed Gulls. Ronald G. Butler and Saskia Janes-Butler
FEEDING ECOLOGY OF NONBREEDING POPULATIONS OF LARIDS OFF DEER ISLAND, NEW BRUNS- WICK. B. M. Braune and D. E. Gaskin
Variability in Nest Survival Rates and Implications to Nesting Studies. A. T. Klett and Douglas H. Johnson
Social Organization in a Nesting Population of Eastern Willets (Catoptrophorus semi- palmatus). Marshall A. Howe
COMPARATIVE GENETICS OF THREE TRUMPETER SWAN POPULATIONS. Victoria A. Barrett and E. R. Vyse
THE ROLE OF REPRODUCTIVE SUCCESS IN COLONY-SITE SELECTION AND ABANDONMENT IN BLACK SKIMMERS (Rynchops niger). Joanna Burger
WOOD DUCK DISPLAYS AND PAIRING CHRONOLOGY. Judith Scherpelz Armbruster1
SUMMER RAINFALL AND WINTER SPARROW DENSITIES: A TEST OF THE FOOD LIMITATION Hypothesis. John B. Dunning, Jr. and James H. Brown 17.
THE RELATIONSHIPS OF THE HAWAIIAN HONEYCREEPERS (DREPANININI) AS INDICATED BY DNA-DNA HYBRIDIZATION. Charles G. Sibley and Jon E. Ahlquist 13
Some Considerations on Sibling Competition and Avian Growth Rates. Robert E. Ricklefs
FACTORS AFFECTING FEEDING AND BROODING OF GRAY CATBIRD NESTLINGS. Ellen J. Johnson and Louis B. Best
REPRODUCTIVE SUCCESS OF GRASSLAND SPARROWS ON A RECLAIMED SURFACE MINE IN WEST VIRGINIA. Thomas Wray, II, Kenneth A. Strait, and Robert C. Whitmore 1:
SHORT COMMUNICATIONS
Semi-Synthetic Diets as a Tool for Nutritional Ecology. Mary E. Murphy and James R. King 16
First Record of the Great Auk (Pinguinus impennis) from Labrador. Richard H. Jordan and Storrs L. Olson

(Continued on inside front cover)

PUBLISHED BY

THE AMERICAN ORNITHOLOGISTS' UNION Washington, D.C.

A Hybrid between the Hooded and Silver Grebes (Podiceps gallardoi and P. occipitalis). Robert W. Storer	168
Food Habits and Weight of Chimango Caracaras in Central Chile. José L. Yáñez, Herman Núñez, and Fabian M. Jaksić Reciprocal Allopreening in the Brown-headed Nuthatch. D. Bruce Barbour and Anthony R.	170
DeGange	171
A Nest of Eutoxeres aquila heterura in Western Ecuador. Gregory O. Vigle	172
Reviews	174
Brewster and Coues Awards	182
Notes and News	164
Notice to Authors	108
INCORMATION FOR CONTRIBUTIONS TO The Aut	184

THE AMERICAN ORNITHOLOGISTS' UNION (FOUNDED 1883)

OFFICERS FOR 1981-82

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: FRANK B. GILL, Department of Ornithology, Academy of Natural Sciences, 19th Street & the Parkway, Philadelphia, Pennsylvania 19103.

Editor of The Auk: JOHN A. WIENS, Department of Biology, University of New Mexico, Albuquerque, New Mexico 87131.

Secretary: DENNIS M. POWER, Museum of Natural History, 2559 Puesta Del Sol Road, Santa Barbara, California 93105.

Treasurer: Kenneth P. Able, P.O. Box 44, Berne, New York 12023.

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). Of this amount, \$12 are allocated to a subscription to *The Auk*. 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: Kenneth P. Able, Treasurer, P.O. Box 44, Berne, New York 12023. Printed by Allen Press Inc., Lawrence, Kansas, U.S.A. 66044. Second-class postage paid at Albany, New York and at additional mailing office. Copyright 1982 by The American Ornithologists' Union. All rights reserved. Printed in U.S.A.