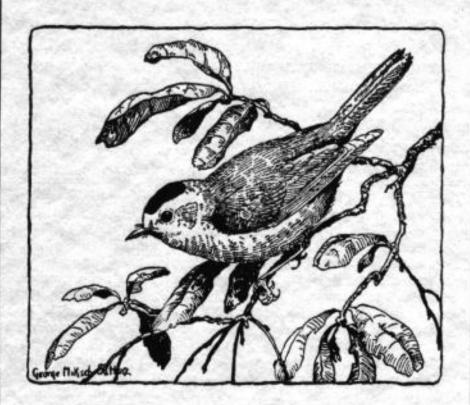
Vol. 54

SEPTEMBER, 1942

No. 3

# The Wilson Bulletin



Published by the

Wilson Ornithological Club

Ann Arbor, Michigan

### CONTENTS

#### CLIFF SWALLOW GATHERING MUD Allan D. Cruickshank Frontispiece A MANAGED CLIFF SWALLOW COLONY IN SOUTHERN WISCONSIN Irven O. Buss 153 INTERCOVEY SOCIAL RELATIONSHIPS IN THE VALLEY Walter E. Howard and John T. Emlen A PRAIRIE CHICKEN BOOMING GROUNDS SURVEY IN CENTRAL MICHIGAN Donald W. Douglass 171 THE WILD TURKEY IN EARLY WISCONSIN A. W. Schorger 173 GROWTH AND DEVELOPMENT OF ENGLISH SPARROWS Richard Lee Weaver 183 FACTORS INFLUENCING LOCAL MOVEMENTS OF WOODLAND BIRDS IN WINTER Verna R. Johnston 192 NOTES ON BIRDS OF THE MONTERREY DISTRICT OF NUEVO George Miksch Sutton, Olin Sewall Pettingill, Jr., and Robert B. Lea 199 FREQUENCY OF OCCURRENCE OF SUMMER BIRDS AT THE UNIVER-SITY OF MICHIGAN BIOLOGICAL STATION Katherine A. White 204 GENERAL NOTES 211 EDITORIAL 216 WILDLIFE CONSERVATION 217

## THE WILSON BULLETIN

219

is published quarterly in March, June, September, and December, as the official organ of the Wilson Ornithological Club, at Ann Arbor, Michigan, and is sent to all members not in arrears for dues. The subscription price is \$2.00 a year, invariably in advance, in the United States. Single numbers, 50 cents. Outside of the United States the rate is \$2.25. Single numbers, 60 cents. Subscriptions should be sent to the Treasurer.

All articles and communications for publications, books and publications for review, exchanges, and claims for lost or undelivered copies of the magazine, should be addressed to the Editor.

The current issue of The Wilson Bulletin is printed by the Ann Arbor Press, Ann Arbor, Michigan.

Entered as second class matter July 13, 1916, at Ann Arbor, Michigan, under Act of Congress of March 3, 1879.

#### THE WILSON ORNITHOLOGICAL CLUB

Founded December 3, 1888. Named after Alexander Wilson, the first American ornithologist, and called the "Father of American Ornithology."

The officers for the current year are:

ORNITHOLOGICAL LITERATURE

President-George Miksch Sutton, Cornell University, Ithaca, N.Y.

First Vice-President—S. Charles Kendeigh, University of Illinois, Champaign, Illinois,

Second Vice-President-Olin Sewall Pettingill, Jr., Carleton College, North-field, Minnesota.

Treasurer—Gustav Swanson, University of Minnesota Farm, St. Paul, Minn. Secretary—Maurice Brooks, University of West Virginia, Morgantown, West Virginia.

Editor-Josselyn Van Tyne, University of Michigan, Ann Arbor, Mich. Associate Editors-Margaret M. Nice and F. N. Hamerstrom, Jr.

Membership dues are: sustaining membership, \$5.00; active membership, \$3.00; associate membership, \$2.00 per calendar year.