

June 1961

VOL. 73, No. 2

PAGES 113-224

The Wilson Bulletin



Published by

The Wilson Ornithological Society

at

Kalamazoo, Michigan

THE WILSON ORNITHOLOGICAL SOCIETY

Founded 3 December 1888

Named after ALEXANDER WILSON, the first American ornithologist.

President—Harold F. Mayfield, River Road R.F.D., Waterville, Ohio.

First Vice-President—Phillips B. Street, Route 1, Chester Springs, Pennsylvania.

Second Vice-President—Roger Tory Peterson, Neck Road, Old Lyme, Connecticut.

Treasurer—Merrill Wood, Dept. of Zoology and Entomology, Frear Laboratory,
Pennsylvania State University, University Park, Pennsylvania.

Secretary—Aaron M. Bagg, Farm Street, Dover, Massachusetts.

Elected Council Members—Ralph M. Edeburn; Ernest P. Edwards; Harvey I.
Fisher.

Membership dues per calendar year are: Sustaining, \$6.00; Active, \$4.00.

THE WILSON BULLETIN is sent to all members not in arrears for dues.

THE JOSSELYN VAN TYNE MEMORIAL LIBRARY

The Josselyn Van Tyne Memorial Library of the Wilson Ornithological Society, housed in the University of Michigan Museum of Zoology, was established in concurrence with the University of Michigan in 1930. Until 1947 the Library was maintained entirely by gifts and bequests of books, reprints, and ornithological magazines from members and friends of the Society. Now two members have generously established a fund for the purchase of new books; members and friends are invited to maintain the fund by regular contributions, thus making available to all Society members the more important new books on ornithology and related subjects. The fund will be administered by the Library Committee, which will be happy to receive suggestions on the choice of new books to be added to the Library. William A. Lunk, University Museums, University of Michigan, is Chairman of the Committee. The Library currently receives 104 periodicals as gifts and in exchange for *The Wilson Bulletin*. With the usual exception of rare books, any item in the Library may be borrowed by members of the Society and will be sent prepaid (by the University of Michigan) to any address in the United States, its possessions, or Canada. Return postage is paid by the borrower. Inquiries and requests by borrowers, as well as gifts of books, pamphlets, reprints, and magazines, should be addressed to "The Josselyn Van Tyne Memorial Library, University of Michigan Museum of Zoology, Ann Arbor, Michigan." Contributions to the New Book Fund should be sent to the Treasurer (small sums in stamps are acceptable). A complete index of the Library's holdings was printed in the September 1952 issue of *The Wilson Bulletin* and newly acquired books will be listed periodically.

THE WILSON BULLETIN

The official organ of The Wilson Ornithological Society, published quarterly, in March, June, September, and December, at Kalamazoo, Michigan. The subscription price, both in the United States and elsewhere, is \$4.00 per year, effective in 1959. Single copies, \$1.00. Subscriptions, changes of address and claims for undelivered copies should be sent to the Treasurer. Most back issues of the *Bulletin* are available (at 50 cents each for 1950 and earlier years, 75 cents each for 1951-1958) and may be ordered from the Treasurer.

All articles and communications for publications, books and publications for review should be addressed to the Editor. Exchanges should be addressed to The Josselyn Van Tyne Memorial Library, Museum of Zoology, Ann Arbor, Michigan.

Entered as second class matter at Lawrence, Kansas. Additional entry at Ann Arbor, Mich.

PRINTED
IN
U.S.A.

The Allen Press, Lawrence, Kansas

THE WILSON BULLETIN

A QUARTERLY MAGAZINE OF ORNITHOLOGY

Published by The Wilson Ornithological Society

Vol. 73, No. 2

JUNE 1961

Pages 113-224

POSTURES OF ANHINGAS, Drawing by <i>Ted T. Allen</i>	facing page 115
NOTES ON THE BREEDING BEHAVIOR OF THE ANHINGA	<i>Ted T. Allen</i> 115
SUMMER CREPUSCULAR FLIGHTS OF AMERICAN WOODCOCKS IN CENTRAL MASSACHUSETTS	<i>William G. Sheldon</i> 126
ENERGY OF BIRDS CONSERVED BY ROOSTING IN CAVITIES	<i>S. Charles Kendeigh</i> 140
A BOTANICAL ANALYSIS OF KIRTLAND'S WARBLER NESTS	<i>William E. Southern</i> 148
THE GEOGRAPHICAL AND ECOLOGICAL DISTRIBUTION OF THE BLACK SWIFT IN COLORADO	<i>Owen A. Knorr</i> 155
WEATHER AND FALL MIGRATION OF HAWKS AT CEDAR GROVE, WISCONSIN	<i>Helmut C. Mueller and Daniel D. Berger</i> 171
SONG VARIATION IN A POPULATION OF MEXICAN JUNCOS	<i>Peter Marler and Donald Isaac</i> 193
GENERAL NOTES	
DERMESTIDS KILLED WHEN FEEDING ON SKELETONS OF BIRDS KILLED BY ORGANIC INSECTICIDES	<i>L. M. Bartlett</i> 207
SOME SHOREBIRD RECORDS FROM MEXICO	<i>Ben B. Coffey, Jr.</i> 207
A HYBRID BETWEEN THE PAINTED AND VARIED BUNTINGS	<i>Robert W. Storer</i> 209
RECENT BROOD RECORDS FOR THE WHITE-WINGED SCOTER IN NORTH DAKOTA	<i>H. F. Duebbert</i> 209
MARSH HAWK AND COMMON CROWS FEEDING SIMULTANEOUSLY ON ROADSIDE-CARRION	<i>Charles A. Long</i> 210
TWO OBSERVATIONS ON THE ORIENTATION OF DAY MIGRANTS HEADING INLAND FROM THE MASSACHUSETTS COASTLINE	<i>William H. Drury, Jr.</i> 211
PHOEBE BUILDS OVER DEAD YOUNG	<i>Dorothy L. Bordner</i> 212
A PREHISTORIC RECORD OF THE TRUMPETER SWAN FROM CENTRAL PENNSYLVANIA	<i>Paul W. Parmalee</i> 212
FOOD COMPETITION AMONG CLOSELY RELATED SYMPATRIC SPECIES	<i>R. O. Bender</i> 214
LETTER TO THE EDITOR	215
ORNITHOLOGICAL NEWS	218
ORNITHOLOGICAL LITERATURE	219

Harold Mayfield, *The Kirtland's Warbler*, reviewed by Val Nolan, Jr.; John K. Terres, *The Wonders I See*, reviewed by Harold Mayfield; Donald J. Borror, *Dictionary of Word Roots and Combining Forms*, reviewed by Kenneth C. Parkes; Winston E. Banko, *The Trumpeter Swan: Its History, Habits, and Population in the United States*, reviewed by Robert W. Nero; John K. Terres (editor), *The Audubon Book of True Nature Stories*, reviewed by Olin Sewall Pettingill, Jr.; Richard W. Westwood (editor), *This Is Nature: Thirty Years of the Best From Nature Magazine*, reviewed by Olin Sewall Pettingill, Jr.