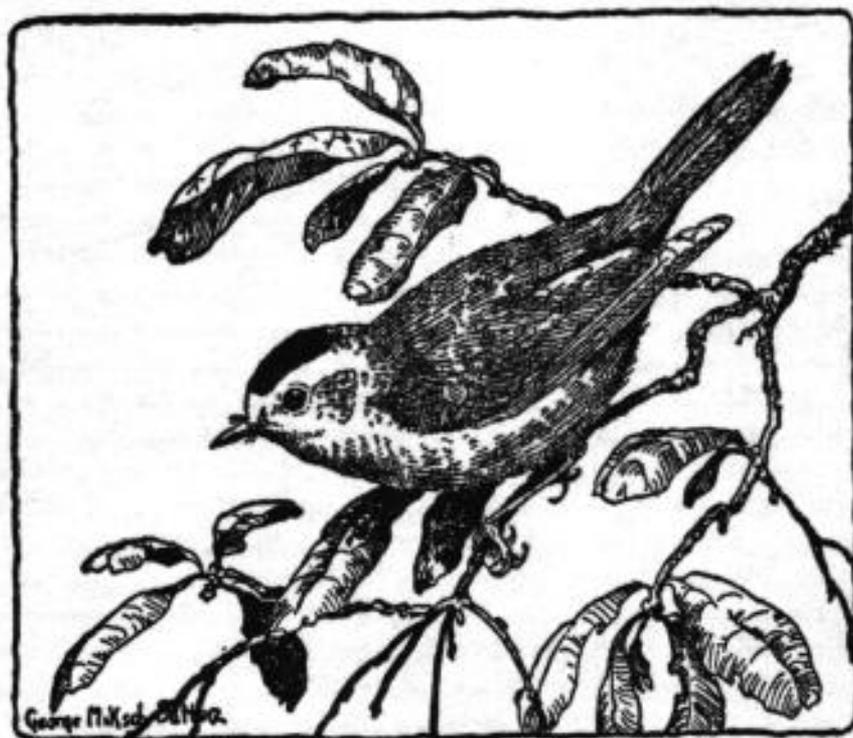


March 1959

VOL. 71, No. 1

PAGES 1-104

The Wilson Bulletin



Published by

The Wilson Ornithological Society

at

Kalamazoo, Michigan

THE WILSON ORNITHOLOGICAL SOCIETY
Founded December 3, 1888

Named after ALEXANDER WILSON, the first American ornithologist.

President—Lawrence H. Walkinshaw, 1703 Wolverine-Federal Tower, Battle Creek, Michigan.

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

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

Treasurer—Ralph M. Edeburn, Dept. of Zoology, Marshall College, Huntington 1, West Virginia.

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

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 65 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, Ralph M. Edeburn, Dept. of Zoology, Marshall College, Huntington 1, West Virginia (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 each September number lists the book titles in the accessions of the current year. A brief report on recent gifts to the Library is published in every issue of the *Bulletin*.

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 publication, 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

H. LEWIS BATTS, JR.
EDITOR

EDITORIAL ADVISORY BOARD

GEORGE A. BARTHOLOMEW
ANDREW J. BERGER
WILLIAM W. H. GUNN

WILLIAM A. LUNK
ROBERT A. NORRIS
KENNETH C. PARKES

RAYMOND A. PAYNTER, JR.

Volume 71
1959

Published
by
THE WILSON ORNITHOLOGICAL SOCIETY

THE WILSON BULLETIN

A QUARTERLY MAGAZINE OF ORNITHOLOGY

Published by The Wilson Ornithological Society

Vol. 71, No. 1

MARCH 1959

Pages 1-104

CONTENTS

BLACK-THROATED TROGON, Painting by <i>Don R. Eckelberry</i> ... facing page	5
LIFE HISTORY OF THE BLACK-THROATED TROGON <i>Alexander F. Skutch</i>	5
A FIELD STUDY OF TEMPERATURE REGULATION IN YOUNG LEAST TERNS AND COMMON NIGHTHAWKS <i>Thomas R. Howell</i>	19
OBSERVATIONS ON THE FULVOUS TREE DUCK IN LOUISIANA <i>Brooke Meanley and Anna Gilkeson Meanley</i>	33
COMMENTS ON "SPECIES RECOGNITION" WITH SPECIAL REFERENCE TO THE WOOD DUCK AND THE MANDARIN DUCK <i>William C. Dilger and Paul A. Johnsgard</i>	46
VARIATION IN THE SONGS OF THE RUFIOUS-SIDED TOWHEE <i>Donald J. Borror</i>	54
OBSERVATIONS ON TERRITORIAL BEHAVIOR OF LEAST FLYCATCHERS <i>David E. Davis</i>	73
NOTES ON THE NESTING OF SELECTED SPECIES OF BIRDS OF THE SONORAN DESERT <i>M. Max Hensley</i>	86
GENERAL NOTES	
LEG-MUSCLE FORMULAE AND SYSTEMATICS <i>Andrew J. Berger</i>	93
TUFTED TITMOUSE FEEDING ON A SHREW <i>Richard C. Fleming</i>	94
SCISSOR-TAILED FLYCATCHER IN NORTHERN MINNESOTA <i>Gordon W. Gullion and Bruce A. Brown</i>	95
INTERACTION BETWEEN A FERAL PARAKEET AND HOUSE SPARROWS <i>Thane S. Robinson</i>	95
YELLOW-BREASTED CHAT PARASITIZED BY TICK <i>Don Bleitz</i>	95
FOSTER-FEEDING AND POLYGAMY IN THE PURPLE MARTIN .. <i>William E. Southern</i>	96
NEW BIRD RECORDS FOR ST. CROIX, VIRGIN ISLANDS <i>G. A. Seaman</i>	96
NESTING CONCENTRATIONS OF LONG-EARED OWLS IN COCHISE COUNTY, ARIZONA <i>John J. Stophlet</i>	97
A PALM WARBLER IN OKLAHOMA <i>John S. Tomer</i>	99
ORNITHOLOGICAL NEWS	100
JOSSELYN VAN TYNE MEMORIAL LIBRARY	102
ORNITHOLOGICAL LITERATURE	103
William H. Behle, <i>The Bird Life of Great Salt Lake</i> , reviewed by Thane S. Robinson; L. L. Snyder, <i>Arctic Birds of Canada</i> , reviewed by P. B. Hofslund.	