

The Wilson Bulletin

PUBLISHED BY THE WILSON ORNITHOLOGICAL SOCIETY

VOL. 105, NO. 2

JUNE 1993

PAGES 217-387

(ISSN 0043-5643)



THE WILSON ORNITHOLOGICAL SOCIETY

FOUNDED DECEMBER 3, 1888

Named after ALEXANDER WILSON, the first American Ornithologist.

President—Richard C. Banks, U.S. Fish & Wildlife Service, National Museum of Natural History, Washington, D.C. 20560.

First Vice-President—Richard N. Conner, U.S. Forest Service, P.O. Box 7600, SFA Station, Nacogdoches, Texas 75962.

Second Vice-President—Keith L. Bildstein, Department of Biology, Winthrop College, Rock Hill, South Carolina 29733.

Editor—Charles R. Blem, Department of Biology, Virginia Commonwealth University, Richmond, Virginia 23284-2012.

Secretary—John L. Zimmerman, Division of Biology, Kansas State University, Manhattan, Kansas 66506.

Treasurer—Doris J. Watt, Department of Biology, Saint Mary's College, Notre Dame, Indiana 46556.

Elected Council Members—Bette Jackson and Frank Gill (terms expire 1993), Robert D. Burns and D. Scott Wood (terms expire 1994), Janet G. Hinshaw and John C. Kricher (terms expire 1995).

Membership dues per calendar year are: Active, \$21.00; Student, \$15.00; Family, \$25.00; Sustaining, \$30.00; Life memberships \$500 (payable in four installments).

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. Two members have generously established a fund for the purchase of new books; members and friends are invited to maintain the fund by regular contribution, 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 195 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 48109. Contributions to the New Book Fund should be sent to the Treasurer (small sums in stamps are acceptable).

THE WILSON BULLETIN
(ISSN 0043-5643)

THE WILSON BULLETIN (ISSN 0043-5643) is published quarterly in March, June, September, and December by the Wilson Ornithological Society, 810 East 10th Street, Lawrence, KS 66044-8897. The subscription price, both in the United States and elsewhere, is \$40.00 per year. Second-class postage paid at Lawrence, KS. POSTMASTER: Send address changes to THE WILSON BULLETIN, P.O. Box 1897, Lawrence, KS 66044-8897.

Back issues or single copies are available for \$12.00 each. Most back issues of the *Bulletin* are available and may be ordered from the Treasurer. Special prices will be quoted for quantity orders.

All articles and communications for publications, books and publications for reviews should be addressed to the Editor. Exchanges should be addressed to The Josselyn Van Tyne Memorial Library, Museum of Zoology, Ann Arbor, Michigan 48109.

Subscriptions, changes of address and claims for undelivered copies should be sent to the OSNA, P.O. Box 1897, Lawrence, KS 66044-8897. Phone: (913) 843-1221; FAX: (913) 843-1274.

© Copyright 1993 by the Wilson Ornithological Society

Printed by Allen Press, Inc., Lawrence, Kansas 66044, U.S.A.

THIS PUBLICATION IS PRINTED ON ACID-FREE PAPER.