JOURNAL OF FIELD ORNITHOLOGY

Vol. 59 Winter 1988 No. 1

PUBLISHED BY

ASSOCIATION OF FIELD ORNITHOLOGISTS, INC.

JOURNAL OF FIELD ORNITHOLOGY

Published by Association of Field Ornithologists

Editor

EDWARD H. BURTT, JR.

Department of Biological Sciences, Ohio Wesleyan University, Delaware, OH 43015

Assistant Editor, C. Colleen Bilsing

Department of Biological Sciences, Ohio Wesleyan University, Delaware, OH 43015 Spanish Editors, Raúl A. Perez-Rivera, Jaime Collazo,

Department of Biology, U.P.R.-Humacao Campus, Humacao, P.R. 00661

Editorial Assistants, Jennifer B. Harkness, Debbie L. Hysong, Jennifer L. Klocinski

Department of Biological Sciences, Ohio Wesleyan University, Delaware, OH 43015

Editorial Board, Jonathan R. Bart,

Zoology Department, 1735 Neil Ave., Ohio State University, Columbus, OH 43210 A. JOHN GATZ, Department of Biological Sciences,

Ohio Wesleyan University, Delaware, OH 43015
Recent Literature Editor, JEROME A. JACKSON,

Department of Biological Sciences, Mississippi State, MS 39762

Officers of the Association

President, William E. Davis, Jr.,

College of Basic Studies, Boston University, 871 Commonwealth Ave., Boston, MA 02215

Vice-president, Peter F. Cannell,

National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560

Secretary, Sarah B. Laughlin,

Vermont Institute of Science, Woodstock, VT 05091

Treasurer, Scott Sutcliffe,

Cornell Laboratory of Ornithology, 159 Sapsucker Woods Rd., Ithaca, NY 14850

Assistant Treasurer, Brian Harrington.

Manomet Bird Observatory, Manomet, MA 02345

Councilors (with year of expiration of terms)

Kathleen S. Anderson ('88) Helen Hays ('88) Carol F. Foss ('88)

Brian Harrington ('89) Fred C. Sibley ('89)

Valerie Freer ('89)

Robert A. Askins ('90) Wayne R. Petersen ('90) Christopher C. Rimmer ('90)

Greg Butcher ('91) Elizabeth Mallory ('91) John Shetterly ('91)

Robert P. Yunick, James O. Seamans, James Baird, Charles Huntington, George A. Clark, Jr., John C. Kricher, *Past-Presidents*

Applications for membership in the association should be sent to: AFO, % Allen Press, P.O. Box 368, Lawrence, KS 66044. The annual membership dues of \$18 per year (\$35 institutional membership) include a subscription to *J. Field Ornithol.* Life membership is \$500. All payments must be in U.S. dollars, and subscriptions are accepted for current calendar year.

Back issues may be obtained from AFO, % Allen Press, P.O. Box 368, Lawrence, KS 66044.

JOURNAL OF FIELD ORNITHOLOGY. (ISSN 0006-3630). Published quarterly (Winter, Spring, Summer and Autumn) by the Association of Field Ornithologists. *J. Field Ornithol.* is included in the AFO annual dues: Student, \$14; Individual, \$18; Institutional Subscription, \$35; Supporting, \$50 or more; Life, \$500. Subscriptions, changes of address, and claims for undelivered copies should be sent to: AFO, P.O. Box 368, Lawrence, KS 66044. Second-class postage paid at Lawrence, KS 66044. POSTMASTER: Send address changes to AFO, P.O. Box 368, Lawrence, KS 66044.

Publication number for second class matter: 056760.