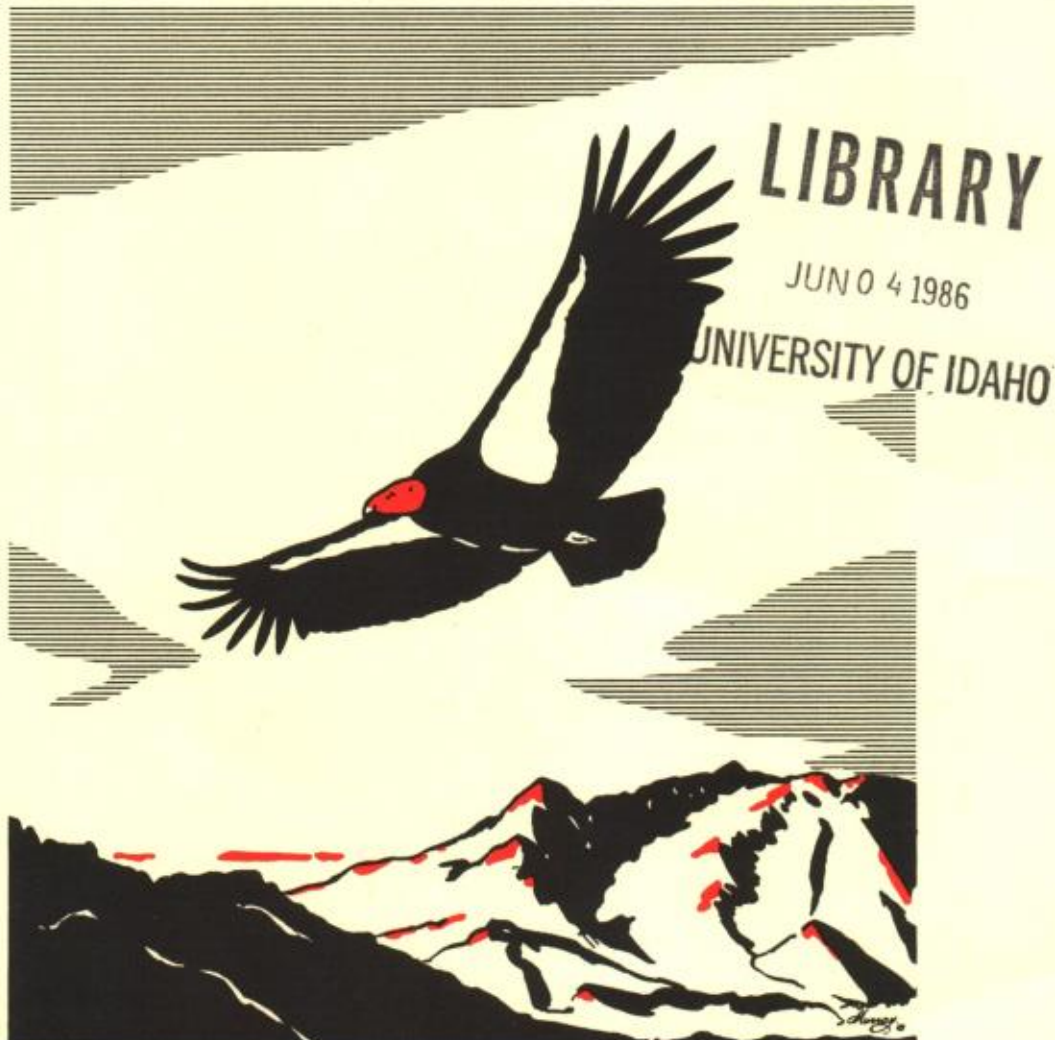


THE CONDOR

Volume 88

May 1986

Number 2



JOURNAL OF THE COOPER ORNITHOLOGICAL SOCIETY

COOPER ORNITHOLOGICAL SOCIETY

OFFICERS

President: C. JOHN RALPH, Redwood Sciences Laboratory, U.S. Forest Service, 1700 Bayview Drive, Arcata, CA 95521.

President-elect: RUSSELL P. BALDA, Department of Biological Sciences, Northern Arizona University, Flagstaff, AZ 86011.

Secretary: MICHAEL L. MORRISON, Department of Forestry and Resource Management, University of California, Berkeley, CA 94720.

Treasurer: CHARLES T. COLLINS, Dept. of Biology, California State Univ., Long Beach, CA 90840.

Assistant Treasurer: JAMES R. NORTHERN, Department of Biology, 405 Hilgard Avenue, University of California, Los Angeles, CA 90024.

Editor, The Condor: MARTIN L. MORTON, Department of Biology, Occidental College, Los Angeles, CA 90041.

Editor, Studies in Avian Biology: FRANK A. PITELKA, Museum of Vertebrate Zoology, University of California, Berkeley, CA 94720.

BOARD OF DIRECTORS

1983-1986

WILLIAM R. DAWSON
SANDRA L. L. GAUNT
RICHARD L. HUTTO

1984-1987

MARTHA H. BALPH
RALPH J. RAITT
JARED VERNER

1985-1988

DANIEL W. ANDERSON
ROBERT D. OHMART
CHARLES VAN RIPER, III

COMMITTEES. BY-LAWS: J. Verner,* L. R. Mewaldt, E. A. Schreiber. **FINANCE:** J. R. Jehl, Jr.,* R. W. Schreiber. **INVESTING TRUSTEES:** O. P. Pearson,* N. K. Johnson, E. N. Stone. **HISTORY:** H. Cogswell,* L. Stone, J. Von Bloeker. **MEMBERSHIP:** M. G. Raphael,* D. M. Finch, T. A. Scott, S. H. Anderson. **HONORARY MEMBERS:** R. J. Raitt,* W. R. Dawson. **PUBLICATIONS:** C. van Riper III,* C. D. Marti, M. L. Morrison. **ANNUAL MEETING:** G. E. Woolfenden,* J. Tate, Jr., C. Carey, C. van Riper III. **CONSERVATION AND RESOLUTION:** D. F. Tomback.* (*Chair)

MEMBERSHIP

Any person interested in ornithology may become a member of the Cooper Ornithological Society upon payment of dues, except that an application for membership may be rejected, or a member expelled, for good cause by vote of the Board of Directors of the Society. Additional information about membership and the Society is given in the Bylaws (Condor 83:390). Members of all classes receive THE CONDOR.

Requests for information concerning membership: to Charles T. Collins, Treasurer, address above.

Payment for dues, changes of address, queries about existing membership and subscription rates: to Ornithological Societies of North America (O.S.N.A.), P.O. Box 21618, Columbus, OH 43221.

PUBLICATIONS

THE CONDOR (ISSN 0010-5422) is a quarterly journal devoted to the biology of wild species of birds. It publishes research reports and short articles containing new information, as well as occasional review articles. Known office of publication: O.S.N.A., Department of Zoology, 1735 Neil Avenue, Ohio State University, Columbus, OH 43210. Second class postage paid at Columbus, OH 43221, U.S.A. and additional mailing offices.

Manuscripts, announcements, and items for the Bulletin Board: to Martin L. Morton, Dept. of Biology, Occidental College, Los Angeles, CA 90041.

Books for review: to Marcy F. Lawton, Dept. of Biological Sciences, University of Alabama in Huntsville, Huntsville, AL 35899.

Queries about advertising: to Advertising Manager, The Condor, Department of Biology, Occidental College, Los Angeles, CA 90041.

Subscription orders and queries about missing issues for subscriptions: to O.S.N.A., address above.

Purchase of back issues: to James R. Northern, Assistant Treasurer, address above.

STUDIES IN AVIAN BIOLOGY, as successor to PACIFIC COAST AVIFAUNA, is a series of works too long for the journal, published at irregular intervals.

Manuscripts: to Frank A. Pitelka, Editor, address above.

Purchase of issues: to James R. Northern, Assistant Treasurer, address above.

THE CONDOR (ISSN 0010-5422) is published quarterly for \$18.00 per year for regular members, \$12.00 for student and emeritus members, \$20.00 for families, and \$25.00 for sustaining members by the Cooper Ornithological Society, O.S.N.A., Department of Zoology, 1735 Neil Avenue, Ohio State University, Columbus, OH 43210. Second class postage paid at Columbus, OH and additional mailing offices. **POSTMASTER:** Send address changes to The Condor, O.S.N.A., P.O. Box 21618, Columbus, OH 43221.

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

© The Cooper Ornithological Society 1986.