



A Quarterly Journal of Ornithology
PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

Editor: GARY D. SCHNELL, *The Auk*, Department of Zoology, Sutton Hall, 625 Elm Avenue, University of Oklahoma, Norman, Oklahoma 73019, USA. Telephone (405) 325-2784. FAX (405) 325-7504. E-mail gschnell@uoknor.edu.

Editor-elect: THOMAS E. MARTIN (see Announcements).

Managing Editor: KENT E. THOMPSON AND TABATHA A. FRANKLIN.

Associate Editor for Book Reviews: ROBERT M. ZINK, Bell Museum of Natural History, 100 Ecology Building, University of Minnesota, St. Paul, Minnesota 55108, USA (forward books for review directly to this address).

The Auk welcomes original reports on the biology of birds. Appropriate topics include the documentation, analysis, and interpretation of laboratory and field studies, theoretical or methodological developments, and reviews of information or ideas. Contributions written in English are encouraged from throughout the world.

Manuscript preparation.—Submit three copies of each manuscript, complete with tables, figure captions, and figures (retain original figures). **Double-space all written material** (including tables and figure legends) on standard-sized stationery sheets. Number pages through the Literature Cited. Do not hyphenate words at the ends of typewritten lines. Type tables separately from the text; type figure captions consecutively on a separate page. The manuscript should conform to general usage in recent issues. The title page (numbered) should contain full title, and authors' names and addresses at the time of the research. The present address, if different, should be indicated as a footnote. The title page also includes running heads (<36 characters), and the name and mailing address of the individual to whom proofs should be sent.

An Abstract (<5% of paper length) should precede each regular article. It should summarize important premises, recapitulate findings, and give conclusions. Text citations should include the author and year (e.g. Darwin 1858, Wolter and Hunter 1968, Mayr et al. 1989); multiple citations should be arranged chronologically. Citations of specific page numbers, tables, or figures may be appropriate in certain situations (e.g. Diamond 1991:465-466, Zink et al. 1991:fig. 1, Dawson and Mannan 1991:table 6). Acknowledgments precede the Literature Cited. Title abbreviations of serial publications follow the International Serial Data System (ISDS) as indicated in *Serial Sources for the BIOSIS Previews Database* (1994, BIOSIS, Philadelphia), which is provided with *Biological Abstracts*. Scientific and English names of birds are given at first mention and follow the AOU's *Check-list of North American Birds* (1983) and its supplements. Measurements (and their designated abbreviations) are to be in SI units (see B. N. Taylor [Ed.], 1991, *The international system of units [SI]*. NIST Spec. Publ. 330, National Institute of Standards and Technology, U.S. Dep. Commerce, U.S. Government Printing Office, Washington, D.C.). In general, abbreviations of statistical terms conform to the sixth edition of *Scientific Style and Format: The CBE Manual for Authors, Editors, and Publishers* (1994, Cambridge University Press, New York). Use continental dating (e.g. 29 September 1990), the 24-hour clock (e.g. 0800 and 2035), and standard time (not daylight savings time).

Tables and figures should not duplicate material in the text or in each other. Each table requires a short heading; give particular attention to the form of table boxheads and do not include vertical rules. Illustrations should be prepared for one- or two-column width, keeping in mind the size of the *Auk*. The style of figures should be uniform. Helvetica or a similar sans serif style of type is recommended; typical typewriter lettering is unacceptable on figures.

After a paper has been accepted for publication, original figures and the original plus one copy of the manuscript (revised if necessary) are to be sent to the Editor. Illustrations in a large format are not desirable, since they are easily damaged or misplaced; if possible, original illustrations or high-quality reproductions should be no larger than standard-sized stationery sheets. On the back, each original illustration should have the figure number, author name, journal name, and an indication of the top of the figure. Drawings should be on good-quality paper and allow for about 20% reduction. Photographs should be glossy prints of high quality and approximately of the size they are to appear in print. Color figures will be considered as figure plates or a frontispiece.

Proofs, reprints, and charges.—Authors will receive page proofs for approval, along with the original typescript. Both must be returned within 48 h to the editorial office to avoid publication delays. A reprint order form will be sent with proofs; reprints are billed following the printer's current cost schedule. Because changes in proofs are expensive, authors should not expect to make major modifications in their work at this stage. Excessive alterations (i.e. more than about one line reset per two printed pages) in proofs will be charged to the author at the rate of \$3.00 per reset line. Authors should keep the Editor informed of address changes, so proofs will not be delayed. The AOU requests that authors, if possible, bear part or all of the cost of publishing their papers when grant, institutional, or personal funds are available for the purpose. Current costs per printed page are \$75; a minimum contribution of \$38 per page is recommended, but the AOU is pleased to receive any payment considered appropriate. Authors who do not have access to publication funds may request a waiver of this payment.

Contents (continued)



COMPARATIVE STUDY OF WINTER BODY COMPOSITION OF RESIDENT AND MIGRANT GREY-BREASTED SILVEREYES. <i>Ken Chan</i>	421
KLEPTOPARASITISM OF AMERICAN COOTS BY GADWALLS AND ITS RELATIONSHIP TO SOCIAL DOMINANCE AND FOOD ABUNDANCE. <i>Craig R. LeSchack and Gary R. Hepp</i>	429
COLOR, SIZE, AND LOCATION OF ARTIFICIAL FRUITS AFFECT SUCROSE AVOIDANCE BY CEDAR WAXWINGS AND EUROPEAN STARLINGS. <i>Michael L. Avery, David G. Decker, John S. Humphrey, A. Alycin Hayes, and Cynthia C. Laukert</i>	436
GENETIC DIVERSITY IN TWO AVIAN SPECIES FORMERLY ENDEMIC TO GUAM. <i>Susan M. Haig and Jonathon D. Ballou</i>	445
HUMMINGBIRD LICKING BEHAVIOR AND THE ENERGETICS OF NECTAR FEEDING. <i>W. Mark Roberts</i>	456
PHYLOGENY OF SOCIAL BEHAVIOR IN <i>APHELOCOMA</i> JAYS: A ROLE FOR HYBRIDIZATION? <i>Jerram L. Brown and Shou-Hsien Li</i>	464
MONOGAMY IN LEACH'S STORM-PETREL: DNA-FINGERPRINTING EVIDENCE. <i>Robert A. Mauck, Thomas A. Waite, and Patricia G. Parker</i>	473
IMPORTANCE OF TACTILE AND VISUAL STIMULI OF EGGS AND NEST FOR TERMINATION OF EGG LAYING OF RED JUNGLEFOWL. <i>Theo Meijer</i>	483
IN MEMORIAM: WILBUR BROOKS QUAY, 1927-1994. <i>Oliver P. Pearson</i>	489
IN MEMORIAM: DAVID E. DAVIS, 1913-1994. <i>John J. Christian</i>	491
SHORT COMMUNICATIONS AND COMMENTARIES	
Stable-isotope ratios of carbon and nitrogen in feathers indicate seasonal dietary shifts in Northern Fulmars. <i>David R. Thompson and Robert W. Furness</i>	493
Fear and food recognition in naive Common Ravens. <i>Bernd Heinrich, John Marzluff, and William Adams</i>	499
Survival rates of Puerto Rican birds: Are islands really that different? <i>John Faaborg and Wayne J. Arendt</i>	503
Adoption of chicks among Thick-billed Murres. <i>Anthony J. Gaston, Christine Eberl, Mark Hipfner, and Kara Lefevre</i>	508
Reinterpretation of the probable parentage of a hybrid wood-warbler (<i>Seiurus</i> × <i>Dendroica</i>). <i>Kenneth C. Parkes</i>	510
Mammalian irritants as chemical stimuli for birds: The importance of training. <i>J. Russell Mason and Larry Clark</i>	511
Interspecific cooperative nesting between Barn Swallows and Say's Phoebes in south-central New Mexico. <i>Jeffrey M. Kozma and Nancy E. Mathews</i>	515
Size and abundance: Breeding population density of the Calliope Hummingbird. <i>William A. Calder and Lorene L. Calder</i>	517
Definitions for migrant birds: What is a Neotropical migrant? <i>Floyd E. Hayes</i>	521
BOOK REVIEWS. <i>Edited by Robert M. Zink</i>	524
ANNOUNCEMENT	546