

BOARD OF EDITORS

DAVID DUFFY, Editor
School of Life Sciences, University of Hawai'i

KELSEY C. BROCK
University of Wyoming

CELIA M. SMITH
School of Life Sciences
University of Hawai'i

DAVID R. CLEMENTS
Department of Biology
Western Trinity University
(British Columbia, Canada)

ROBERT J. TOONEN
Hawai'i Institute of Marine Biology

SHEILA CONANT
School of Life Sciences
University of Hawai'i

LES WATLING
School of Life Sciences
University of Hawai'i

ROBERT H. COWIE
Center for Conservation
Research and Training
University of Hawai'i

EDWARD WEBB
Department of Biological Science
National University of Singapore

CURTIS C. DAEHLER
School of Life Sciences
University of Hawai'i

NORINE W. YEUNG
Bishop Museum

AARON B. SHIELS
Research Biologist, Rodents
Project Leader
National Wildlife Research Center
USDA/APHIS/Wildlife Services

© 2024 by University of Hawai'i Press

Pacific Science is a peer-reviewed journal that is published quarterly by University of Hawai'i Press in January, April, July, and January. It is the official journal of the Pacific Science Association.


Pacific Science is available in the BioOne.2 database of biology journals. For more details, contact BioOne or visit www.bioone.org. *Pacific Science* is also available through the Project MUSE collections at http://muse.jhu.edu/journals/pacific_science.

Annual subscription rates (2024) for institutions are \$113; for individuals, \$56. Single copies are \$30 for institutions, \$18 for individuals. Airmail delivery to non-U.S. addresses is \$48 per volume, \$12 for a single issue. Online subscriptions (all countries) \$55/individuals and \$110/institutions. Subscribe online at <https://www.uhpress.hawaii.edu/title/ps/>

Check or money order in U.S. funds drawn on a U.S. bank should be made payable to University of Hawai'i Press and sent to University of Hawai'i Press, Journals Department, 2840 Kolowalu St., Honolulu, Hawai'i 96822, USA. Claims for issues not received will be honored for 180 days from the date of publication; thereafter, the single-copy rate will be charged.

Back volumes of *Pacific Science* in 35 mm microfilm format may be purchased from Bell & Howell Information and Learning, 300 North Zeeb Rd., Ann Arbor, Michigan 48106, USA.

Postmaster: Send address changes to *Pacific Science*, 2840 Kolowalu St., Honolulu, Hawai'i 96822, USA.

 The paper used in this publication meets the minimum requirements of the American National Standard for Information Sciences—Permanence of Paper for Printed Library Materials, ANSI Z39.48-1984.

Visit the University of Hawai'i Press Journals website at www.uhpress.hawaii.edu/journals.

Cover (front): Nesting Laysan Albatross pairs at Kaena Point. Photographed by Dr. Lindsay Young.

Cover (rear): Black-footed Albatross flying over Kaena Point. Photographed by Dr. Lindsay Young.

INFORMATION FOR AUTHORS

Contributions to the biological and physical sciences of the Pacific area are welcomed from authors in all parts of the world. Manuscripts should be submitted online at <https://pacificscience.msubmit.net/>. The editor-in-chief will acknowledge receipt of each paper, arrange for its evaluation, and notify the author as soon as possible of the decision reached. *Pacific Science* is published four times per year (January, April, July, and January).

Manuscript Submission: Please submit your manuscript online at <https://pacificscience.msubmit.net/>. Visit the journal home page for more information and complete submission details: <https://uhpress.hawaii.edu/title/ps/>

Style: Authors are requested to follow precisely the style recommended in *The Chicago Manual of Style*, 16th edition (Chicago: University of Chicago Press, 2010). Abbreviations of periodicals listed in bibliographies should be those recommended in the BIOSIS Serial Sources. This publication may be ordered from the following address: 2100 Arch Street, Philadelphia, Pennsylvania 19103-1399, USA.

Illustrative Matter: A reasonable number of illustrations, tables, and graphs will be accepted

if they are needed to clarify and illustrate points discussed in the text. If original artwork is submitted, it must be executed in black ink and must be no larger than 8½" by 11". Illustrations in color will be accepted only if the author bears the costs of color printing. Please keep in mind that the final printed size of figures and tables is determined and limited by the format of the journal—each one will be one column (2⁵/₈" or 16 picas) or two columns (5¹/₂" or 33 picas) wide or, occasionally, will be placed broadside (7⁷/₈") on a page. Final artwork must be 300 dpi resolution for print. Number each figure and table separately in the order in which they are cited in the manuscript. Place the captions in the manuscript file, before the tables.

Proof: Author's proofs should be corrected immediately and returned at once to the Journals Department, University of Hawai'i Press. More than a minimum number of changes or additions to the printed text will be charged to the author.

Open Access: If authors wish to make their article available via Open Access, a one-time fee of \$1,800 is required.