

# The American Naturalist

Michael G. Whitlock, Editor-in-Chief, *University of British Columbia*  
Donald L. DeAngelis, Editor, *U.S. Geological Survey and University of Miami*  
Monica A. Geber, Editor, *Cornell University*

## EDITORIAL BOARD

Elizabeth Adkins-Regan, *Cornell University*  
Priyanga Amarasekare, *University of California, Los Angeles*  
Göran Arnqvist, *University of Uppsala*  
Tia-Lynn Ashman, *University of Pittsburgh*  
Craig W. Benkman, *University of Wyoming*  
Mark Blows, *University of Queensland*  
Benjamin Bolker, *University of Florida*  
Edmund D. Brodie III, *University of Virginia*  
Judith L. Bronstein, *University of Arizona*  
Armando Caballero, *Universidad de Vigo*  
Steven L. Chown, *University of Stellenbosch*  
Andrew Clarke, *British Antarctic Survey, Cambridge*  
Tim Coulson, *Imperial College, Silwood Park*  
Troy Day, *Queen's University*  
Claire de Mazancourt, *Imperial College, Silwood Park*  
Sebastian Diehl, *Ludwig-Maximilians-Universität München*  
Kathleen Donohue, *Harvard University*  
Robert Dudley, *University of California, Berkeley*  
Elizabeth Elle, *Simon Fraser University*  
Douglas H. Erwin, *National Museum of Natural History*  
William F. Fagan, *University of Maryland*  
James D. Fry, *University of Rochester*  
Greg Gibson, *North Carolina State University*  
George W. Gilchrist, *College of William and Mary*  
Luc-Alain Giraldeau, *Université de Québec à Montréal*  
Richard Gomulkiewicz, *Washington State University*  
Volker Grimm, *UFZ Centre for Environmental Research Leipzig-Halle*  
Stephen B. Heard, *University of New Brunswick*  
Michael E. Hellberg, *Louisiana State University*  
Marcel Holyoak, *University of California, Davis*  
Raymond B. Huey, *University of Washington*  
Jef Huisman, *University of Amsterdam*  
Frederic C. Janzen, *Iowa State University*  
Philippe Jarne, *Centre National de la Recherche Scientifique*  
Bruce C. Jayne, *University of Cincinnati*  
Matt J. Keeling, *University of Warwick*

Patricia L. Morse, *Managing Editor*

*The American Naturalist* (ISSN 0003-0147) is published monthly by The University of Chicago Press, 1427 E. 60th Street, Chicago, Illinois 60637. Manuscripts and editorial correspondence should be addressed to the Managing Editor, *The American Naturalist*, University of Chicago Press, 1427 E. 60th Street, Chicago, Illinois 60637. Additional information may be obtained at: <http://www.journals.uchicago.edu/AN/home.html>.

Subscriptions to *The American Naturalist* may be ordered from, and remittance should be made payable to, *The American Naturalist*. Subscription rates for 2007 are \$40 for individuals and \$550 for institutions. Additional rates for non-U.S. subscribers and reduced rates for students and retired members are available at <http://www.journals.uchicago.edu/AN>. Subscription agent for Japan: Kinokuniya Company, Ltd. Individuals have the option to order directly from The University of Chicago Press. Single-copy rates: individuals, \$11; institutions, \$55.

Please direct subscription inquiries, back-issue requests, and address changes to The University of Chicago Press, Journals Division, P.O. Box 37005, Chicago, IL 60637. Telephone: (773) 753-3347 or toll-free in the United States and Canada (877) 705-1878. Fax: (773) 753-0811 or toll-free (877) 705-1879. E-mail: [subscriptions@press.uchicago.edu](mailto:subscriptions@press.uchicago.edu).

Ellen D. Ketterson, *Indiana University*  
Christopher A. Klausmeier, *Michigan State University*  
Thomas Lenormand, *CNRS, Montpellier*  
Justin Marshall, *University of Queensland*  
Emilia Martins, *Indiana University*  
John M. McNamara, *Bristol University*  
Yannis Michalakis, *CNRS-IRD, Montpellier*  
Robert Montgomerie, *Queen's University*  
Wolf M. Mooij, *Netherlands Institute of Ecology*  
Allen J. Moore, *University of Exeter, Cornwall*  
Peter J. Morin, *Rutgers—The State University*  
William F. Morris, *Duke University*  
Peter Nonacs, *University of California, Los Angeles*  
Sergey V. Nuzhdin, *University of California, Davis*  
Nipam H. Patel, *University of California, Berkeley*  
Nicolas Perrin, *Université de Lausanne*  
Christopher W. Petersen, *College of the Atlantic*  
Catherine A. Pfister, *University of Chicago*  
Anna Qvarnström, *University of Uppsala*  
Susanne S. Renner, *University of Missouri—St. Louis*  
David N. Reznick, *University of California, Riverside*  
Locke Rowe, *University of Toronto*  
Kaustuv Roy, *University of California, San Diego*  
Michael J. Ryan, *University of Texas at Austin*  
Christopher J. Schneider, *Boston University*  
Ben Sheldon, *University of Oxford*  
Thomas N. Sherratt, *Carleton University*  
Andrew Solow, *Woods Hole Oceanographic Institute*  
Peter D. Taylor, *Queen's University*  
David Waxman, *University of Sussex*  
Franz J. Weissing, *University of Groningen*  
Stuart West, *Edinburgh University*  
John J. Wiens, *Stony Brook University*  
Henry M. Wilbur, *Natural History Editor, University of Virginia*  
Will Wilson, *Duke University*  
Chung-I Wu, *University of Chicago*

Rob C. Blixt and Agnes Littmann, *Editorial Assistants*

Periodicals postage paid at Chicago, Illinois, and at additional mailing office.

POSTMASTER: Send address changes to *The American Naturalist*, The University of Chicago Press, Journals Division, P.O. Box 37005, Chicago, Illinois 60637.

*Copying beyond fair use:* The code on the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made beyond those permitted by Sections 107 or 108 of the U.S. Copyright Law provided that copies are made only for personal or internal use, or for the personal or internal use of specific clients, and provided that the copier pay the stated per-copy fee through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, Massachusetts 01923. To request permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale, kindly write to Permissions Coordinator, Journals Division, The University of Chicago Press, 1427 E. 60th Street, Chicago, Illinois 60637; fax: (773) 834-3489.

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

© 2007 by The University of Chicago. All rights reserved.