



Front Matter

Source: The American Naturalist, Vol. 129, No. 1 (Jan., 1987)

Published by: The University of Chicago Press for The American Society of Naturalists

Stable URL: http://www.jstor.org/stable/2461960

Accessed: 30-10-2017 19:33 UTC

JSTOR is a not-for-profit service that helps scholars, researchers, and students discover, use, and build upon a wide range of content in a trusted digital archive. We use information technology and tools to increase productivity and facilitate new forms of scholarship. For more information about JSTOR, please contact support@jstor.org.

Your use of the JSTOR archive indicates your acceptance of the Terms & Conditions of Use, available at http://about.jstor.org/terms



The American Society of Naturalists, The University of Chicago Press are collaborating with JSTOR to digitize, preserve and extend access to The American Naturalist

The Volume 129, Number 1 January 1987 Established 1867 American Naturalist

Published for the American Society of Naturalists by The University of Chicago Press

THE AMERICAN NATURALIST ISSN 0003-0147

Marcus W. Feldman, Editor

Paul R. Ehrlich, Senior Associate Editor
Harold A. Mooney, Senior Associate Editor
Jonathan Roughgarden, Senior Associate Editor
Peter M. Vitousek, Senior Associate Editor

Jean Doble McIntosh, Managing Editor

Manuscripts and editorial correspondence should be addressed to The Editor, *The American Naturalist*, Department of Biological Sciences, Stanford University, Stanford, California 94305. A page of advice to authors may be found in this issue. Copy editor: Teresa Carson; editorial assistant: Stephanie Wawrzynski.

Subscription to the journal does not require membership in the American Society of Naturalists. Subscriptions to *The American Naturalist* may be ordered from, and remittance should be made payable to, *The American Naturalist*, The University of Chicago Press, Journals Division, P.O. Box 37005, Chicago, Illinois 60637. Subscription rates, U.S.A.: institutions, 1 year \$90.00; individuals, 1 year \$50.00; students, 1 year \$35.00 (letter from professor must accompany subscription). Other countries: add \$9.00 for each year's subscription to cover postage. Single-copy rates: institutions, \$7.50; individuals, \$4.25. Japanese subscription agent: Kinokuniya Company Ltd. Reprinted volumes 1–10 available from Walter J. Johnson, Inc., 355 Chestnut Street, Norwood, New Jersey 07648. Volumes available in microfilm from University Microfilms, 300 North Zeeb Road, Ann Arbor, Michigan 48106; in microfiche from Johnson Associates, P.O. Box 1017, Greenwich, Connecticut 06830.

For change of address, please notify the Press and local postmaster immediately, providing both the old and new addresses. Allow four weeks for change. Postmaster: send address changes to *The American Naturalist*, The University of Chicago Press, Journals Division, P.O. Box 37005, Chicago, Illinois 60637.

Copyright 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, Inc., Operations Center, P.O. Box 765, Schenectady, New York 12301. 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 Department, The University of Chicago Press, 5801 S. Ellis Avenue, Chicago, Illinois 60637.

Second-class postage paid at Chicago, Illinois, and at additional mailing office. © 1987 by The University of Chicago. PRINTED IN U.S.A.

THE AMERICAN NATURALIST

Devoted to the Conceptual Unification of the Biological Sciences

Vol	129, No. 1	CONTENTS	January	y 1987
Size		Hutchinson's rule revisited. John McAn, and Patrick Colgan		1–17
Sele	_	uit-crop size in bird-dispersed plants.	-	18-31
Pare		evolution of egg size in fishes. Rober . Taylor, and Mart R. Gross	-	32–46
The	chitectures and	er size to the diversification of spider- spider reproductive modes. <i>Cathe</i>	rine L.	47–68
Mod	eling animal guts as	chemical reactors. Deborah L. Penry an	nd Peter	69–96
Cycl		tions: plankton as paradigm. <i>Edward M</i> Murdoch		97–121
Spat	tional spatial auto	sophila buzzatii populations: simple an ocorrelation. Robert R. Sokal, Neal Let	Oden,	22–142
A m		selection of genetic migration. J Ng, and R. Moore		.43–157
Not	es and Comments			
Pare	comments on the	t and natal dispersal in birds and ma e Oedipus hypothesis. <i>Jeffrey S. Ma</i> ond	rks and	58–164

ADVICE TO AUTHORS

The American Naturalist is a monthly journal devoted to furthering the objectives of the American Society of Naturalists. It welcomes manuscripts that attempt new theoretical syntheses, especially in combination with new empirical information of broad significance. Brief discussion, criticism, and comment on material published in this journal and elsewhere will be published in the "Notes and Comments" section. All articles appear with dates of submission and final acceptance.

For review, submit four copies of each manuscript, including tables and figures. All typewritten material (text, tables, figure legends, literature cited, etc.) should be double-spaced on paper measuring 210 mm imes 280 mm; the typewritten area should be about 155 mm wide and 27 lines long. Page 1 should be a cover sheet including the title and the names and addresses of authors. Each table should be typed on a separate sheet. Footnotes to text statements should be avoided because they can usually be included in the text (parenthetically, if necessary). Where unavoidable, they should be numbered consecutively and typed on a separate sheet, since they will be set in type of a different size. Footnotes to tables are often necessary; they should be typed on the last page of the table to which they apply. Avoid including material in table titles that can be included in the notes. Legends for figures should be typed as a separate section of the manuscript; do not use a separate sheet for each legend. Complex mathematical expressions should be precisely written by hand, or typed, with clear distinctions between such ambiguous pairs as "one" and "el," "p" and "rho," "r" and "gamma," etc. The printing of computer-generated manuscripts must be of letter quality or near letter quality. Bound manuscripts are not acceptable. Authors should retain the original copy of the manuscript and the original illustrations until the article has been accepted for publication. The original illustrations, or glossy prints, should have the authors' names and figure numbers on the back and should be no larger than the manuscript pages. Authors should provide a running head of not more than 44 characters for major articles.

Each article, except Notes and Comments, should contain a brief summary. Material should conform to the *Council of Biology Editors Style Manual*, third edition. The abbreviations used in the Literature Cited section conform to those in the *Serial Sources for the BIOSIS Data Base*. Articles excessive in length or extent of detailed data, but otherwise acceptable to the Editorial Board, may be published as supplements when costs can somehow be met.

Offprints will be supplied according to the prices quoted on the order form if they are ordered at the time proofs are returned. Fifty offprints of each paper are provided free of charge.

A uniform charge of \$25 per page is made to authors by the American Society of Naturalists. Please note that (1) the charge per page is made irrespective of the author's source of financial support; (2) if the author states that he or she does not have the financial resources to cover this charge, a special reduced rate of \$8 per page will be acceptable; (3) in cases of extreme financial hardship, the Treasurer may grant a waiver of the page charges; (4) payment of these charges or a waiver from the Treasurer is a condition for final acceptance of a manuscript for publication; (5) under normal circumstances, plates will be put in only at the expense of the author; and (6) excessive corrections in proof will be charged additionally to the author at the rate of \$2 per reset line and \$5 per reshot figure.