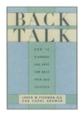
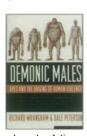
## SCIENCE NEWS BOOKS

**Books** is an editorial service for readers' information. To order any book listed or any U.S. book in print, please remit retail price, plus \$3.95 postage and handling for the first book and \$1.00 for each additional book, to **Science** News Books, 1719 N St., N.W., Washington, DC 20036. To place Visa or MasterCard orders, call 1-800-544-4565, fax 202-785-1242, or E-mail snbooks@sciserv.org. Domestic orders only.



Back Talk: How to Diagnose and Cure Low Back Pain and Sciatica-Loren M. Fishman and Carol Ardman. Pain in the lower back-which ranks second only to the common cold as a cause of days missed from work-is curable 90 percent of the time. According to Fishman,

the trick lies in making a proper diagnosis. A description of the physiology of the back segues into a discussion of discomforts commonly associated with it. Fishman helps the reader understand how to explain these symptoms to a physician, then provides information on causes, treatment, exercise, and prevention. Norton, 1997, 286 p., illus., hardcover, \$25.00.



Demonic Males: Apes and the Origins of Human Violence—Richard Wrangham and Dale Peterson. Is it possible that violence, such as rape and border raids, is inherent in human males? After studying apes and chimpanzees for 20 years, the authors think so. Because primates are our

closest relatives, say Wrangham and Peterson, male aggression is bound to follow humans down their evolutionary path. Civilization and larger brains neutralize human male violence to some extent, as do women. The authors describe the harmonious society of the bonobo chimpanzees of Zaire, in which equality of the sexes has contributed to a peaceful environment. The authors share their fieldwork and analysis in this heavily referenced text. Originally published in hardcover in 1996. Mariner Bks, 1997, 350 p., illus., paperback, \$14.00.



Forgotten English-Jeffrey Kacirk. What a mumpsimus! The eye-servant refused meeting the eggler to prepare nonshench. Terminology like this faded from the vernacular years ago. This dictionary resurrects hundreds of archaic words and enhances those choices with their etymolo-

gy. Morrow, 1997, 240 p., illus., hardcover, \$22.50.



Green Space, Green Time: The Way of Science-Connie Barlow. In 1990, a group of scientific luminaries led by Carl Sagan drafted and signed a document calling on leaders of the religious community to join forces with them in abolishing crimes against creation. Even clergy from some religions that con-

demn paganism answered the call. Barlow advances this "greening" of religion as she reveals her candid interviews with biologists such as Edward O. Wilson, Diane Ackerman, and James Lovelock, who are actively engaged in perpetuating ecoreligious beliefs. Copernicus, 1997, 329 p., hardcover, \$25.00.

34



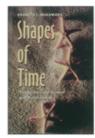
The Hidden Sea: Ground Water, Springs, and Wells-Francis H. Chapelle. Even before the biblical Abraham. whose success as a shepherd hinged on his well-digging prowess, the ability to tap groundwater was an attribute of mythic proportions. Chapelle recounts the history, legends,

and geology of aquifers and the threats of contamination they face. Geoscience Pr, 1997, 237 p., illus., paperback, \$18.00.



**Hummingbirds: My Winter** Guests—Arnette Heidcamp. One winter, four lost, injured hummingbirds sought sanctuary in Heidcamp's sunroom. Her experiences caring for, observing, and photographing the small birds are reminiscent of Elizabeth Marshall Thomas'

insights, described in The Hidden Life of Dogs. The individual personalities of Heidcamp's birds become clear as they heal and move through their life cycle. The reader benefits from the large collection of photographs of the birds. Crown, 1997, 204 p., color photos, hardcover, \$18.00.



Shapes of Time: The Evolution of Growth and Development-Kenneth J. McNamara. Most people are familiar with the basics of evolutionary thought, but just how do changes in the size and shape of animals and plants occur? The concept of heterochronychanges in the rate and tim-

ing of growth and development-underlies McNamara's answer as he focuses on individual organisms rather than their progress over time. Even among genetically identical organisms, a change in growth rate or time can drastically alter appearance, producing, for example, longer legs or shorter arms. The new trait may allow the organism to establish a new lineage, thus providing, as McNamara says, the "raw material" for natural selection. Johns Hopkins, 1997, 342 p., b&w illus., hardcover, \$34.95.



Space and the American Imagination-Howard E. McCurdy. The desire to conquer new frontiers has characterized human cultures since early times; however, the move to explore the latest frontier-space-was inspired by a unique set of circumstances, according to the

author. He points to the Cold War and the belief that control of space meant control of Earth as the impetus for the space program and illustrates why governments got involved in this project, which appealed to the imagination of the public. This entertaining analysis of public policy also provides an assessment of our expectations of space exploration versus our achievements. Smithsonian Bks, 1997, 294 p., b&w photos, hardcover, \$29.95.

To order by Visa or MasterCard, call 1-800-544-4565 In DC: 202-331-9653 Or, E-mail: snbooks@sciserv.org

Editor

Thomas Peter Bennett Publisher Julie Ann Mille Blair Burns Potter Dan Skripkar

David Lindley

Ivars Peterson

**Bruce Bower** 

Janet Raloff

Managing Editor Production/Design Director Associate Editor

Senior Editor Environment/Policy Online Editor Mathematics/Physics

Behavioral Sciences Internship Coordinato Farth Science Biomedicine

Kathleen Fackelmann, Nathan Seppa Ron Cowen John Travis Corinna Wu

Richard Monastersky

Astronomy Biology Chemistry/ Materials Science Life Sciences Science Writer Intern Editorial Assistant Editorial Secretary Books/Advertising Subscriptions

Business Manager

Susan Milius Sid Perkins Meghan Mitchell Gwendolyn Gillespie Cait Anthony Christina Smith Donald R. Harless

John Troan.

Board of Trustees-Chairman, Dudley Herschbach; Vice Chairman, Gerald F. Tape; Secretary, David A. Goslin; Treasurer, Willis Harlow Shapley; Robert W. Fri; Samuel Gubins; J. David Hann; Shirley M. Malcom; Eve L. Menger; C. Bradley Moore; Ben Patrusky; H. Guyford Stever, Sanford J. Ungar; Deborah P. Wolfe; Chairman Emeritus, Glenn T. Seaborg; Honorary Trustees, Edward Bliss Jr.; Bowen C. Dees; Elena O. Nightingale;

Officers-President, Thomas Peter Bennett; Vice President and Business Manager. Donald R. Harless.

SCIENCE NEWS (ISSN 0036-8423) is published weekly on Saturday, except the last week in December, for \$49.50 for 1 year or \$88.00 for 2 years (foreign postage is \$6.00 additional per year) by Science Service, 1719 N Street, N.W., Washington, D.C. 20036. Preferred Periodical postage paid at Washington, D.C., and additional mailing office. **POSTMASTER**: Send address changes to Science News, P.O. Box 1925, Marion, Ohio 43305. Change of address: Four to six weeks' notice is required—old and new addresses, including zip codes, must be provided. Copyright © 1998 by Science Service. Title registered as trademark U.S. and Canadian Patent Offices. Printed in U.S.A. on recycled paper. ← Republication of any portion of SCIENCE News without written permission of the publisher is prohibited. For permission to photocopy articles, contact Copyright Clearance Center at 508-750-8400 (phone) or 508-750-4470 (fax).

Editorial, Business, and Advertising Offices 1719 N St. N.W., Washington, D.C. 20036 202-785-2255; scinews@sciserv.org

Subscription Department P.O. Box 1925, Marion, Ohio 43305 For new subscriptions and customer service, call 1-800-552-4412.

SCIENCE News is published by Science Service, a nonprofit corporation founded in 1921. The mission of Science Service is to advance the understanding and appreciation of science through publications and educational programs.

Visit Science Service on the World Wide Web: http://www.sciserv.org

SCIENCE NEWS, VOL. 153

**JANUARY 17, 1998**