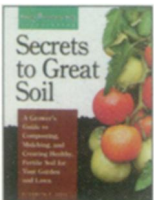


SCIENCE NEWS BOOKS

To order these books or any other book in print, call 1-800-BOOKS-NOW (266-5766) ext. 1494. Visa, MasterCard, and American Express accepted. Send checks or money orders plus \$4.95 shipping and handling (\$2.50 for each additional item) to Books Now, 448 East 6400 South, Suite 125, Salt Lake City, UT 84107. Or, check out our web site at www.sciencenewsbooks.org. This service is provided in conjunction with Science News Books.



Great Soil: A Grower's Guide to Composting, Mulching, and Creating Healthy, Fertile Soil for Your Garden and Lawn—Elizabeth P. Stell. If nutrients are missing in the soil, they won't show up in your carrots, and certainly will not protect those carrots from pests. Stell is something of a soil guru, intimately familiar with every aspect of what the subsoil tells you, the different varieties of soil, and the importance of earthworms. She imparts a working knowledge of these elements and describes several composting methods and necessary tools. Storey Comm Inc, 1998, 215 p., b&w illus., paperback, \$19.95

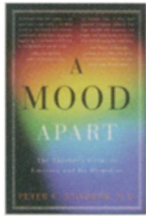


The Kindly Dr. Guillotin: And Other Essays on Science and Life—Harold J. Morowitz. Poor Joseph Ignace Guillotin. His name lives in infamy as a monstrous contraption for beheading, but, as Morowitz reveals, Guillotin himself was a humanitarian troubled by the caste system that mandated death by the noose for peasants, while royalty benefited from a swift ax blow through the neck. Guillotin, in fact, did not invent, build, or die on the guillotine. Thirty-nine other vignettes on topics like this are presented by the inquisitive Morowitz—a biologist and prolific author. Among them are the scientific foundations of laundry day—when thermal physics, centrifugal force, and vaporization come into play—and his advice to novice evolutionary biologists: Concentrate on worms. Counterpoint, 1997, 199 p., hardcover, \$20.00.

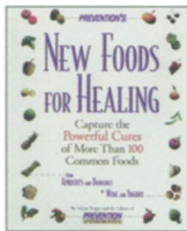


Life's Other Secret: The New Mathematics of the Living World—Ian Stewart. Merging the vision of zoologist D'Arcy Thompson from nearly 80 years ago with modern advances in DNA research, mathematician Stewart links the patterns, forms, structures, processes, and systems of the natural world to mathematics. Believing that genetics is overrated—"Genes are not like engineering blueprints; they are more like recipes in a cookbook"—Stewart shows how one must consider the governing physical and chemical laws in any final product. In the case of a meal, those considerations are air, pots, an oven, and so on. Regardless of the tidiness of DNA code sequences, they too must operate in this same way. In introducing the infant field of biomathematics, Stewart weaves together thoughts about flocks of birds, locomotion, complexity theory, Fibonacci number sequences, and the intricacies of the brain. Wiley, 1998, 285 p., color plates/b&w illus., hardcover, \$24.95.

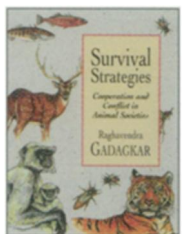
To order by phone for faster service, call:
1-800-266-5766 ext. 1494
Visa, MasterCard, and
American Express accepted



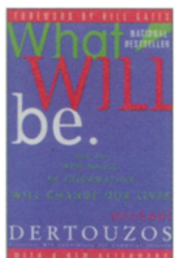
A Mood Apart: Depression, Mania, and Other Afflictions of the Self—Peter C. Whybrow. By concentrating on the extremes of mood disorders, Whybrow discusses how the brain functions and what happens when our "emotional homeostasis" is disturbed. Emotional homeostasis balances our interaction with the world. Three disturbances exhibited in mood disorders—in thinking, bodily function, and emotional communication—indicate a loss of that emotional equilibrium. Whybrow, a psychiatrist, blends case studies with advances in neurobiology to show how psychiatric drugs work and to describe how those drugs and talk therapy work together. Originally published in hardcover in 1997. Harper Perennial, 1998, 363 p., paperback, \$14.00



Prevention's New Foods for Healing: Capture the Powerful Cures of More Than 100 Common Foods—Selene Yeager *et al.* In addition to vitamins and minerals, many edibles contain natural substances such as phytonutrients, sulforaphane, and lycopenes, which are useful in warding off disease. The authors of PREVENTION neatly organize such data gathered from scientific journals and individual researchers to show, for example, why oats fight heart disease and how soy foods help reduce the risk of prostate cancer. Rodale, 1998, 610 p., b&w illus., hardcover, \$29.95.



Survival Strategies: Cooperation and Conflict in Animal Societies—Raghuwendra Gadagkar. While the idea of cooperation within animal communities seems to fly in the face of the evolutionary notion of survival of the fittest, animal ethologist Gadagkar provides numerous examples of animals heeding the Golden Rule. Conflict often plays a role within cooperative societies, but as the findings presented here show, social groups work as a team in an effort to maintain their species. He shows why a ground squirrel will warn fellow squirrels of impending danger, even at its own risk, and how certain animals can recognize the relatives they want to see—or avoid, for that matter. HUP, 1997, 196 p., b&w photos/illus., hardcover, \$22.00.



What Will Be: How the New World of Information Will Change Our Lives—Michael Dertouzos. The head of MIT's Computer Science Lab forecasts how innovations in information technology will change our future to a degree rivaling the impact of the Industrial Revolution. Dertouzos expects that we will have "bodynets" allowing us to make phone calls and pay bills wherever we are, and that speech recognition keyboards will make computer menus and windows obsolete. He also foresees terrorism moving on-line, producing non-lethal war. Originally published in hardcover in 1997. HarperSanFrancisco, 1998, 368 p., paperback, \$14.00

SCIENCE NEWS

A Science Service Publication

Thomas Peter Bennett	Publisher
Julie Ann Miller	Editor
Blair Burns Potter	Managing Editor
Dan Skripkar	Production/Design Director
David Lindley	Associate Editor
Janet Raloff	Senior Editor
Ivars Peterson	Environment/Policy Online Editor
Bruce Bower	Mathematics/Physics
Richard Monastersky	Behavioral Sciences
Kathleen Fackelmann,	Internship Coordinator
Nathan Seppa	Earth Science
Ron Cowen	Biomedicine
John Travis	Astronomy
Corinna Wu	Biology
Susan Milius	Chemistry/
Mari N. Jensen	Materials Science
Gwendolyn K. Gillespie	Life Sciences
Cait Anthony	Science Writer Intern
Christina Smith	Editorial Secretary
Donald R. Harless	Books/Advertising
	Subscriptions
	Business Manager

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; John Troan.*

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 Periodicals 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. © Reproduction 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>