

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 \$1.00 handling charge for each book, to **Science News Books**, 1719 N Street, NW, Washington, DC 20036. All books sent postpaid. Domestic orders only.

An Adventure in Multidimensional Space: The Art and Geometry of Polygons, Polyhedra, and Polytopes — Koji Miyazaki, translated from Japanese by the author, edited by Henry Crapo. This book uses polygons, polyhedra and polytopes to investigate and describe the macro, medio and micro worlds, or multidimensional space, without a microscope or telescope. A great variety of polygons, polyhedra and polytopes constructed by the scientist/artist author and his collaborators are beautifully illustrated here. Originally published in Japan. Wiley, 1986, 112 p., color/b&w illus., \$49.95.

The Hawk's Nest Incident: America's Worst Industrial Disaster — Martin Cherniack, foreword by Philip J. Landrigan and Anthony Robbins. This occupational health disaster occurred 50 years ago near the town of Gauley Bridge, West Virginia. Here a professor of occupational medicine at Yale University tells the story of this all-but-forgotten event, presenting new evidence to clarify what happened. Yale U Pr, 1986, 194 p., illus., \$19.95.

House Dangerous: Indoor Pollution in Your Home and Office — and What You Can Do About It! — Ellen J. Greenfield, foreword by Ralph Nader. A practical guide to diagnosing the threats of indoor pollution at home and in the office. Explains what can be done to eliminate the dangers of indoor pollution, including radon, formaldehyde and asbestos. Vintage(Random), 1987, 234 p., paper, \$7.95.

The Joy of Mathematics — Theoni Pappas. This book is designed to help the reader become aware of the inseparable relationship of mathematics and the world by presenting glimpses and images of mathematics in the many facets of our lives. Various mathematical concepts, ideas, questions, problems and pastimes are here briefly presented to reveal the nature and influence of mathematics. World Wide/Tetra, 1986, 228 p., illus., paper, \$10.95.

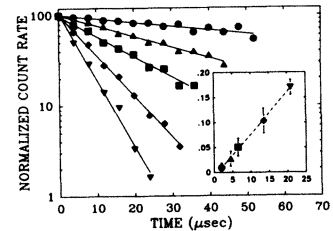
The Machinery of Nature — Paul R. Ehrlich. "The very future of our society," says this leading ecologist, "depends on whether *Homo sapiens* can learn to live without damaging the machinery of nature so seriously that it can no longer support civilization." This readable book looks at various aspects of nature from the reproduction and behavior of its individual parts to the principles that govern the functioning of the entire system. This tour of ecology, according to Ehrlich, should give the reader a sense of both the discipline itself and how its scientists operate. Originally published in hardback in 1986. S&S, 1987, 320 p., illus., paper, \$8.95.

Tropical Nature — Adrian Forsyth and Kenneth Miyata. Introduces the general reader to the rain forest of Central and South America. The authors, who are biologists, describe this lush habitat as the visitor first sees it, a chaos of vegetation; they then unravel it to reveal the complex relationships between the organisms that reside there. Originally published in hardback in 1984. Scribner, 1987, 248 p., illus. by Sarah Landry, paper, \$7.95.

PUBLICATION QUALITY CHARTS AND GRAPHS

NEW VERSION 3.0!

from your IBM PC, XT, AT and HP or compatible plotter.



SIGMA PLOT™ software — \$350.

- Error bars
- Smooth Lines
- Clean diagonals
- Movable labels
- Log/semi-log scales
- Multiple graphs per page
- Curve fitting
- Laser printer support

Load data from keyboard, ASCII or DIF files (including LOTUS 123). Call or write for more information.

JANDEL SCIENTIFIC
MICROCOMPUTER TOOLS FOR THE SCIENTIST
2656 Bridgeway, Sausalito, CA 94965
800-874-1888 (outside CA)
415-331-3022 (inside CA)

CRANIUM CRACKERS

By Abbie Salny

Work out with some mental gymnastics that stretch the muscles of your mind and test your endurance.

— from the publisher

Dodd-Mead, 1986, 128 pages, 8 1/4" X 5 1/4", paperback, \$6.95

Science News Books
1719 N Street, NW
Washington, DC 20036

Please send _____ copy(ies) of *Cranium Crackers*. I include a check payable to Science News Books for \$6.95 plus \$1.00 handling (total \$7.95) for each copy. Domestic orders only.

Name _____

Address _____

City _____

State _____ Zip _____

RB675

A If 6 wongles and 3 winkles cost \$21, but 6 winkles and 3 wongles cost \$24, how many wongles can you buy for \$50?

B The following multiplication problem uses all the numbers from 0 to 9 once only (in the final answer and the problems, not in the intermediate steps). Three numbers have been filled in to give you a start. Complete the example.

$$\begin{array}{r} x \ x \ x \\ \quad 6 \ x \\ \hline x \ x \ x \ 0 \ 1 \end{array}$$

C A steam shovel digs up 500 cubic yards in a certain length of time, while a man takes 25 times as long. How much quicker will it be for the steam shovel to dig half a hole than for 12 men to do the same job.

Answers: A. you can buy 25 wongles. B. $63 \times 927 = 58401$. C. how do you dig half a hole?