

# science □ news

JULY 2, 1977  
VOL. 112, NO. 1, 1-16



**ANIMAL  
EXPERIMENTATION:  
HOW VALID?**

# Use this easy way to shop for books that matter.

## U.S. OBSERVATORIES A Directory and Travel Guide

By *H. T. Kirby-Smith*. Describes all U.S. astronomical facilities in terms of functions, locations, equipment, research, accessibility to visitors, tour possibilities, accommodations, and instances when your own equipment is usable. "An excellent new book."—*Sky and Telescope*  
180 pp., illus., \$11.95

To order, circle "A"  
on Reader Service Card.

## BODY HOT SPOTS

By *R. Dale Guthrie*. An absorbing study of the social parts of the human body—the "hot spots." Reveals how facial shape, body hair, hip size, etc. determine status, attract mates and intimidate peers. "A fascinating voyage of discovery into the meaning of our physical traits."—*Ashley Montagu*  
226 pp., illus., \$8.95

To order, circle "B"  
on Reader Service Card.

## THE VNR CONCISE ENCYCLOPEDIA OF MATHEMATICS

Edited by *W. Gellert*. Every specialized area of mathematics is lucidly explained in this giant storehouse of information. Features include hundreds of worked-out examples, use of color to highlight key points, fascinating historical information, and 950 diagrams, drawings, photographs and plates. 810 pp., 6½ x 9¼, \$14.95

To order, circle "C"  
on Reader Service Card.

## INSTANT FURNITURE

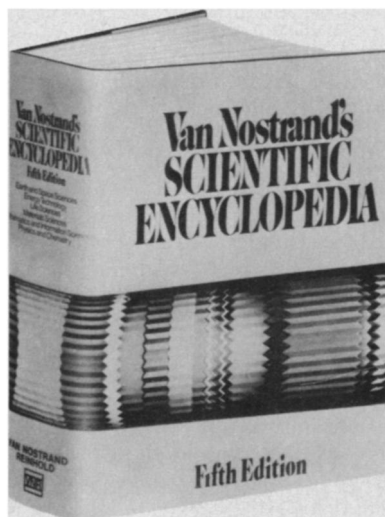
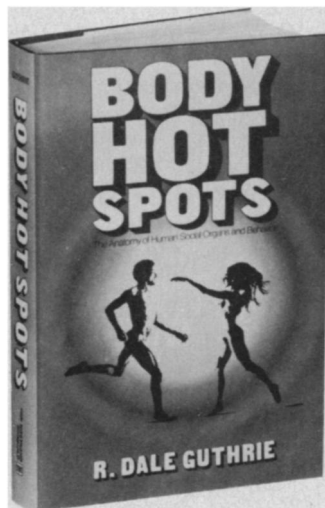
By *Peter S. Stamberg*. Build beautiful, low-cost furniture in minutes with only a hammer, nails, glue, and pre-cut wood. It's all explained here, step by step. This practical manual can pay for itself in one evening! 160 pp., 134 illus., \$12.95

To order, circle "D"  
on Reader Service Card.

## EVERYTHING YOU CAN GET FROM THE GOVERNMENT FOR FREE— OR ALMOST FOR FREE

By *Craig & Peter Norback*. A practical, easy-to-use guide to almost 1,000 programs and services available at little or no cost. "This oversized comprehensive directory of federal programs is a godsend."—*Booklist*  
250 pp., illus., 11 x 14, \$7.95 paper

To order, circle "E"  
on Reader Service card.



## ENCYCLOPEDIA OF MINERALS

By *Willard Roberts, George Rapp, Jr. & Julius Weber*. Contains nearly 1,000 full-color photomicrographs. Includes chemical, physical, crystallographic, X-ray, optical and geographical data on all known and authenticated mineral species. "An authoritative and stunning book."—*Library Journal*  
848 pp., 8½ x 11, \$69.50

To order, circle "F"  
on Reader Service Card.

## MATHEMATICS DICTIONARY Fourth Edition

*James & James*. Featuring expanded coverage of probability and statistics, this edition's thousands of definitions, explanations and technical descriptions are reinforced with hundreds of formulas, a detailed multilingual index, and tabular information most often required. 518 pp., illus., \$17.95

To order, circle "G"  
on Reader Service Card.

## HANDBOOK OF APPLIED MATHEMATICS

Edited by *Carl E. Pearson*. Here's how to solve all your math problems quickly and easily. Includes scores of worked examples drawn from various areas of science and engineering. 1,000 pp., 200 illus., \$37.50

To order, circle "H"  
on Reader Service Card

## SOLID-STATE ELECTRONICS

By *Frank Tedeschi & Margaret Taber*. Fundamental semiconductor and electronic principles are clearly explained in this easy-to-follow guide. Reinforcing the text are numerous graphs, tables, curves, diagrams, formulas and actual wiring circuits. 206 pp., \$8.95

To order, circle "I"  
on Reader Service Card.

# VAN NOSTRAND REINHOLD

## HANDBOOK OF MEDICAL ACUPUNCTURE

By Frank Z. Warren, M.D. A professional guide to contemporary acupuncture written by a noted physician-anesthesiologist who is also Executive Director of the National Acupuncture Research Society. Focusing on practice rather than philosophical and historical aspects, it includes legal and psychiatric aspects of acupuncture, FDA instructions for labeling devices, and the National Institute of Health's first official analysis of acupuncture treatment. 286 pp., illus., \$15.00

To order, circle "J" on Reader Service Card.

## CIRCUIT CONCEPTS

By Thomas S. Kubala. A practical introduction to the current state of the art in electric circuitry. Divided into 17 self-contained units, each devoted to specific concepts and circuits. Each unit ends with a section on measurement and analysis to verify relevant theory and provide a better working know-how of circuit behavior. 210 pp., illus., 8 x 10 $\frac{1}{4}$ , \$8.95

To order, circle "K" on Reader Service Card.

## GLOSSARY OF CHEMICAL TERMS

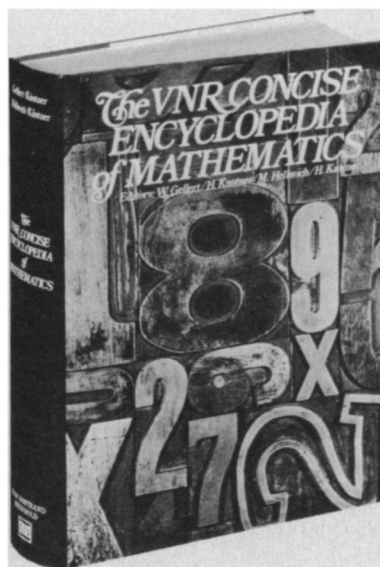
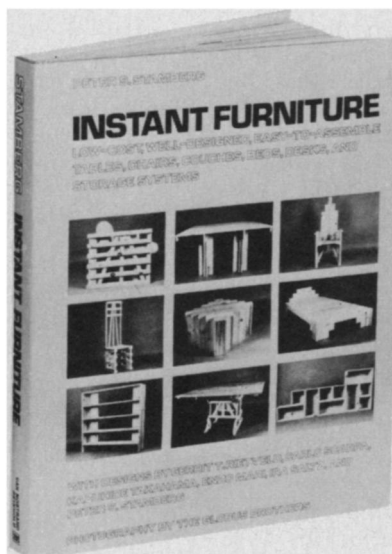
By Clifford Hampel & Gessner Hawley. Thousands of clear, concise definitions of terms used in the various chemical industries and subdivisions of chemistry. Includes a wealth of terminology that is widely employed but seldom explained—common prefixes and suffixes plus the large number of words used daily in chemical enterprises. 290 pp., \$14.95

To order, circle "L" on Reader Service Card.

## Van Nostrand's SCIENTIFIC ENCYCLOPEDIA Fifth Edition

The fastest way to find the answers you want in every branch of modern science. Reflecting today's explosive growth of technical knowledge, this updated edition has been compiled by 190 experts in science and technology, and is written in easy-to-understand language. 2,382 pp., 2,500 illus., \$67.50

To order, circle "M" on Reader Service Card.



## FOSSILS FOR AMATEURS

By Russell MacFall & Jay Wollin. Shows how to find, collect, classify, prepare, and exhibit fossils. Included is a state-by-state listing of fossil sources, along with information on gaining access to or locating the most productive parts of sites. "Carefully done, well-written . . . an excellent reference source."—*Library Journal* 320 pp., 150 illus., \$5.95 paper

To order, circle "N" on Reader Service Card.

## ASTRONOMY Tenth Edition

By Laurence W. Fredrick & Robert H. Baker. Latest edition of the classic introduction to astronomy. Utilizing metric units throughout, the book contains an up-to-date presentation of cosmological theory; detailed but non-technical explanations of the origin of stars and planets; in-depth coverage of observational and instrumental techniques; a thorough discussion of quasars, black holes and pulsars; and examinations of curiosities such as the lack of neutrinos emanating from the sun. 700 pp., illus., \$16.95

To order, circle "O" on Reader Service Card.

## THE BOOK OF HEALTH Third Edition

Edited by Randolph Clark, M.D. & Russell Cumley, M.D. Describes, in layman's language, how to treat virtually every human disease. Covers 300 recent developments in the medical field. "Intelligently written . . . easy to pick out useful information . . . outstanding in comparison with other recently published works of this nature."—*Choice*

992 pp., illus., 7 x 10, \$29.95

To order, circle "P" on Reader Service Card.

## ELECTRIC MOTOR CONTROL

By Walter N. Alerich. Explains all the common types of motor starters and controllers. Information on theory, operation, installation and maintenance is backed up with hundreds of schematic diagrams and other working aids. 232 pp., illus., 8 x 10 $\frac{1}{4}$ , \$7.95

To order, circle "Q" on Reader Service Card.

## NATIONAL GUIDE TO CRAFT SUPPLIES

By Judith Glassman. A convenient directory to over 600 wholesale and retail craft supply sources. For each source the author gives the address, telephone number, hours of business, products and services, catalog prices and all minimum-order or wholesale requirements. 224 pp., 8 $\frac{1}{2}$  x 11, \$12.95

To order, circle "R" on Reader Service Card.