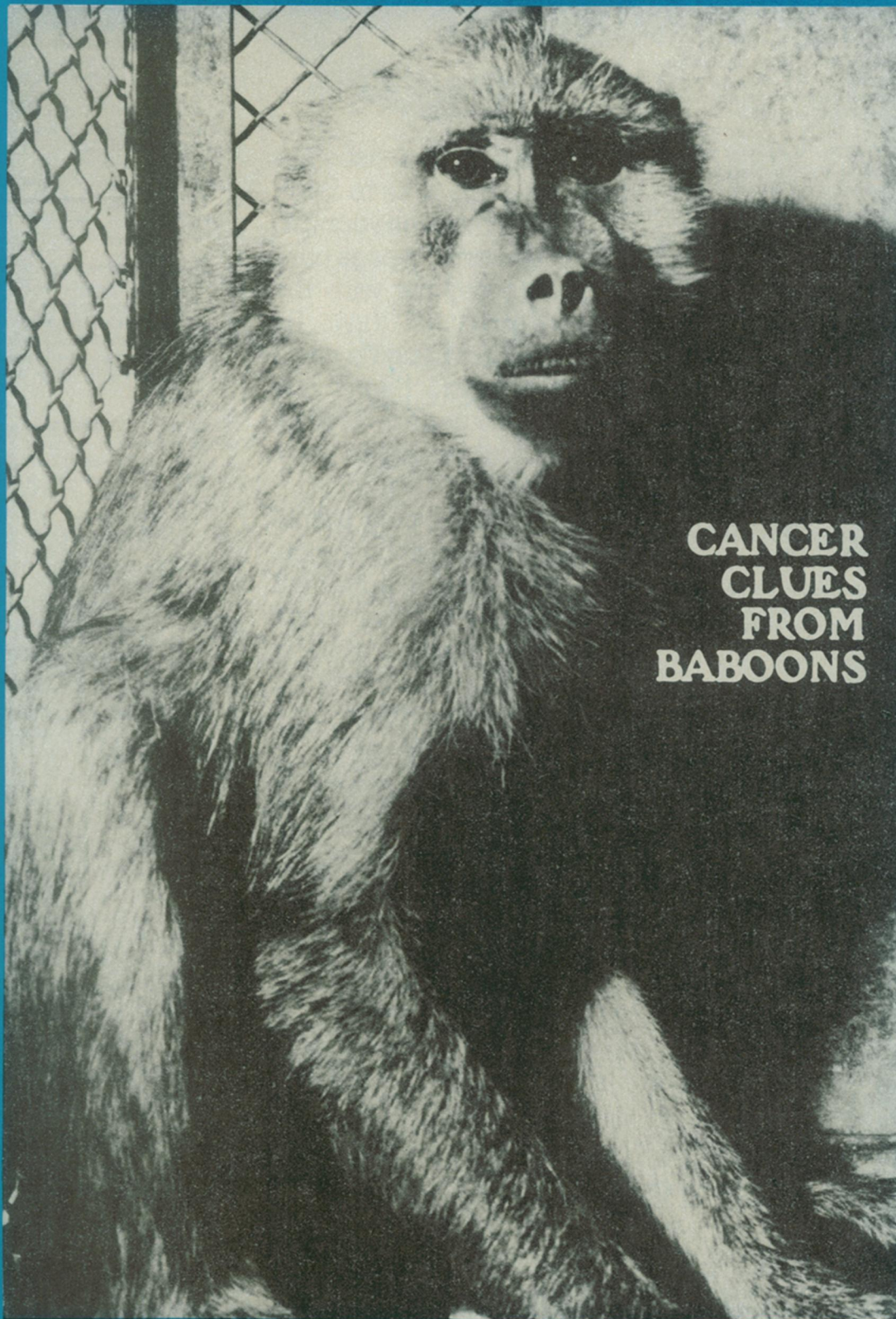


# SCIENCE NEWS

NOVEMBER 24, 1979  
VOL. 116, NO. 21



CANCER  
CLUES  
FROM  
BABOONS

**AGING IS A FAMILY AFFAIR** — Victoria E. Bumagin and Kathryn F. Hirn — T Y Crowell, 276 p., \$10.95. The authors, both social workers and children of elderly parents, provide a guide to the varieties of behavior encountered in the years between 60 and 90 and older, alternatives for dealing with problems, suggestions for bridging the communication gap and reassurance and comfort for those who are dealing with aging problems. [1]

**ALBERT EINSTEIN'S THEORY OF GENERAL RELATIVITY** — Gerald E. Tauber, Ed. — Crown, 1979, 352 p., illus., \$14.95. Reviews the theory of general relativity and presents Einstein's contribution to the scientific thinking of today in nontechnical language. Much of the contents come from Einstein's own writings, with contributions from leading scientists on their work in general relativity, relativistic astrophysics and cosmology, together with tributes to Einstein. [2]

**AT HOME IN THE SUN: An Open-House Tour of Solar Homes in the United States** — Norah Deakin Davis and Linda Lindsey — Garden Way Pub, 1979, 236 p., color and b&w illus., \$15.95 paper, \$9.95. The authors, both solar homeowners, present a tour of 31 solar homes scattered throughout the United States. Solar data with life-cycle costing, plans, diagrams and photographs are given for each house. Most important, the homes are described in nontechnical language, with reporting on what the families like about their houses, the errors they made, the decisions that paid off and the hidden benefits for them of solar living. [3]

**ATLAS OF MAN** — John Gaisford — St Martin, 1978, 272 p., color illus., \$25. A beautifully illustrated book describing the main groups of people, more than 400, living in the world today. A general introduction to the various areas where the groups are found gives a perspective on the circumstances in which the inhabitants live. An opening section looks at mankind from a worldwide point of view and serves as an introduction to the themes that recur throughout the book. [4]

**CALCULATE!** — Sid Sackson — Pantheon, 1979, unpag., illus., paper, \$2.95. Six games to play with a calculator that has at least an eight-digit display. Playing sheets are provided for these games, which are designed for two or more players. [5]

**THE DANCING WU LI MASTERS: An Overview of the New Physics** — Gary Zukav — Morrow, 1979, 352 p., illus., paper, \$5.95. Written for intelligent people who want to learn about advanced physics but who do not know its terminology or its mathematics. The essence of quantum mechanics, quantum logic, special relativity and some new ideas that indicate the direction in which physics seems to be moving. [6]

**DEPRESSION: How to Recognize It, How to Treat It, and How to Grow from It** — Wina Sturgeon — P-H, 1979, 233 p., \$9.95. The author, herself a victim of depression, offers guidelines for determining if you or someone you love is suffering from the disease, discusses its symptoms and causes, how and where to find help, the different types of therapy and living with and helping a depressed person. [7]

**DISTURBING THE UNIVERSE** — Freeman Dyson — Har-Row, 1979, 283 p., \$12.95. This book inaugurates a major series sponsored by the Alfred P. Sloan Foundation and written by distinguished scientists from throughout the world, setting down their own accounts of their lives in science. In this fascinating autobiography Dyson, an outstanding physicist, mathematician and theoretical astronomer, conveys to the general reader both the excitement and dilemma of exploration and discovery in science. [8]

**A FIELD GUIDE TO EDIBLE WILD PLANTS: Eastern and Central North America** — Lee Peterson — HM, Peterson Field Guide Series, 1978, 330 p., b&w drawings and color photographs, \$8.95. Information for identifying, harvesting and preparing nearly 400 species. Plants are described and well illustrated. Common poisonous plants that resemble edible ones are discussed and depicted. [9]



**With the holiday season approaching it is time to think of gifts for those on your list. The books on this page have all proved popular with the readers of SCIENCE NEWS. By ordering them as gifts you'll have the satisfaction of giving a stimulating, lasting gift without having to leave the house.**

**To give a book to a friend, simply fill out the coupon below. Gift cards will be sent immediately for each book ordered as a gift.**

**GRASSES: An Identification Guide** — Lauren Brown — HM, 1979, 240 p., illus., \$9.95. Grasses cover approximately one-half the area of the United States. Identification in this book is based on drawings and descriptive notes of the plants' distinctive features. The plants are organized by visual similarity, not always by taxonomic groupings. [10]

**ICE AGES: Solving the Mystery** — John Imbrie and Katherine Palmer Imbrie — Enslow Pubs, 1979, 224 p., illus., \$12.95. Explains the causes of ice ages, gives the history of this recent discovery, tells of the outstanding scientists who have been involved in the study of the ice ages and predicts when the next ice age will occur. [11]

**THE LEGENDARY DC-3** — Carroll V. Glines and Wendell F. Moseley — Van Nos Reinhold, 1979, 224 p., illus., \$15.95, paper, \$8.95. One airplane has far surpassed all others in dependability and achievement. This book is about that airplane; its birth and development, its adoption by the airlines, its uses in three wars, its civilian use, its innumerable feats and its future. [12]

**MAMMALS — THEIR LATIN NAMES EXPLAINED: A Guide to Animal Classification** — A. F. Gotch — Blandford Pr (Sterling), 1979, 271 p., illus., \$13.95. Describes the basic principles of classification for the animal kingdom started by Linnaeus. Covers 19 mammalian orders and explains the Latin names of more than 1,000 mammals. [13]

**THE MEDUSA AND THE SNAIL: More Notes of a Biology Watcher** — Lewis Thomas — Viking Pr, 1979, 175 p., \$8.95. A collection of essays by an outstanding scientist that explore humankind and the world, discussing such areas as the human genius for making mistakes, natural death, warts and human cloning. [14]

**MYSTERIES OF THE MUMMIES: The Story of the Unwrapping of a 2,000-year-old Mummy by a Team of Experts** — Rosalie David, Ed. — Scribner, 1979, 192 p., color and b&w illus., \$14.95. The account of the postmortem examination of an Egyptian mummy — that of a young girl — that was done by the staff of Manchester University and televised by the BBC. [15]

**NATURE IS YOUR GUIDE: How to Find Your Way on Land and Sea** — Harold Gatty — Penguin, 1979, 271 p., illus., paper, \$3.95. Shows how early explorers and primitive peoples found their way on long journeys by observing nature. Tells how you, too, can use nature through knowledge and observation of such things as birds, other animal life, weather, vegetation, snow field patterns and the position of the sun, moon and stars. [16]

**THE PASSIVE SOLAR ENERGY BOOK: A Complete Guide to Passive Solar Home, Greenhouse and Building Design** — Edward Mazria — Rodale Pr Inc, 1979, 435 illus., \$12.95, paper, \$10.95. Contains information needed to successfully design a passive solar building. Covers general solar theory and applications, system design and performance calculations. [17]

**PERSONAL COMPUTERS: What They Are & How To Use Them** — Byron Wels — P-H, 1978, 193 p., illus., \$12.95, paper, \$5.95. Discusses how to buy a computer, what makes the computer "tick," accessories, programming a computer, maintaining a home computer, how microcomputers are being used today in many aspects of our lives. Includes a glossary. [18]

**SPACE SHOTS: An Album of the Universe** — Fred Hapgood, Introduction by Michael Collins — Times Bks, 1979, 79 p., illus., paper, \$7.95. Magnificent color and black and white photographs and accompanying nontechnical explanations of the earth, the moon, asteroids, comets, the planets, the sun, stars, nebulae, galaxies and quasars. [19]

**WHAT'S WRONG WITH OUR WEATHER?: The Climatic Threat of the 21st Century** — John Gribbin — Scribner, 1979, 174 p., illus., \$9.95. Tells how the weather pattern is changing and why winters such as those of 1977 and 1978 are going to become familiar in the decades to come. [20]

#### SCIENCE NEWS CHOICE BOOKS

1719 N Street, NW, Dept RC 30  
Washington, D. C. 20036

Enclosed is check to cover retail price plus 50¢ to cover handling charge per book.

Domestic orders only

Please send me book(s)

No. \_\_\_\_\_ No. \_\_\_\_\_ No. \_\_\_\_\_

No. \_\_\_\_\_ No. \_\_\_\_\_ No. \_\_\_\_\_

(PLEASE PRINT)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_

Send Book No. \_\_\_\_\_ as gift to:

(PLEASE PRINT)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_

Send Book No. \_\_\_\_\_ as gift to:

(PLEASE PRINT)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_

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

## PRACTICAL GUIDE TO SOLAR HOMES

By the Editors of *Hudson Home Guides*. Exciting plans for 30 new energy-conserving solar homes, designed by many of the nation's leading architects. "An outstanding review of the current theory and technology of solar energy."—*New York Society of Architects*. 140 pp., 190 illus., 8½ x 11, \$10.95

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

## PHOTOVOLTAIC POWER GENERATION

Edited by David L. Pulfrey. Light can be directly converted to energy only through the photovoltaic effect, and this timely book thoroughly evaluates the problems and possibilities of photovoltaic power generation. "... would complement any modern technical library ... a first rate primer on the subject."—*QST*. 244 pp., illus., 6 x 9, \$16.95

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

## THE ART AND SCIENCE OF INVENTING

by Gilbert Kivenson. Leads you step-by-step through the entire inventive process. Shows you how to protect ideas, prevent exploitation, make use of available patents and select profitable areas for inventive development. 208 pp., illus., 6 x 9, \$11.95

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

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

By Craig and Peter Norback. Includes contacts, addresses and telephone numbers so that you can apply for a particular program from anywhere in the country. "This oversized comprehensive directory of federal programs is a godsend."—*Booklist* 250 pp., illus., 11 x 14, \$8.95 paper

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

## CHISANBOP: Finger Calculation Method—Addition

By Edwin Lieberthal. CHISANBOP literally converts your fingers into a calculator that performs with extraordinary speed and accuracy. Here are the CHISANBOP books—a home study manual and workbook—your complete guide to this revolutionary method of computation. 2 volume set: 176 pp., 8½ x 11, illus., \$11.95

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

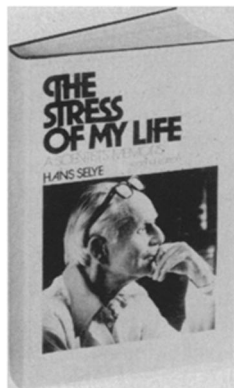
## 15-DAY FREE EXAMINATION

Circle appropriate letters on Reader Service Card to receive your 15-day FREE examination copies of any books on these two pages. At the end of that time, if you are satisfied, send your remittance (including postage, handling, and tax). Otherwise, return the books and owe nothing. (Offer good in U.S.A. only and subject to credit department approval. Payment must accompany orders with P.O. box addresses. Prices subject to change.)

All books published by



VAN NOSTRAND REINHOLD



## THE STRESS OF MY LIFE Second Edition

By Hans Selye. In this new edition, Dr. Selye recounts more of his life and updates his pioneering work on biological stress, giving insights into the mechanisms and manifestations of stress and advice for coping with the stress of life today. 290 pp., illus., 6 x 9, \$12.95

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

## THE CHESS TUTOR Elements of Combination

By Leslie H. Ault. Expert Ault reduces the many combinations in chess to their basic elements and shows you how to look for the pattern that will develop a winning combination. 329 pp., illus., 6 x 9, \$12.50

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

## THE SCIENCE OF WINNING A Random Walk on the Road to Riches

By Burton P. Fabricand. Clear, scientific procedures for winning in a wide variety of situations, from simple games of chance to complex business and personal decision-making. "An education in a very specialized area of finance."—*Library Journal* 192 pp., illus., numerous charts and tables, 6 x 9, \$11.95

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

## THE FINE ART OF CABINETMAKING

By James Krenov. One of the world's great masters of wood-working shows how he creates his museum-quality cabinetry. Covers everything from coopering, doweling and detailing, to frame and panel work. "Remarkable ... Krenov has done it again!"—*The Working Craftsman* 244 pp., 300 illus., 8½ x 11, \$15.95

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

## THE DREAM OF TROY

By Arnold C. Brackman. Here is the fascinating story of Heinrich Schliemann, whose obsession with a childhood dream of Troy led to the triumphant rediscovery of that ancient city. The author brings to life the paradoxical character of the man who fathered the modern science of archaeology. 270 pp., 12 illustrations, 6 x 9, \$6.95 paper

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

## A PROGRAMMED REVIEW OF ENGINEERING FUNDAMENTALS

By Allen J. Baldwin and Karen M. Hess. A solid review of engineering, mathematics and science fundamentals. "The volume is timeless and may serve as a lifetime reference tool."—*Choice* 296 pp., illus., 8½ x 11, \$18.95

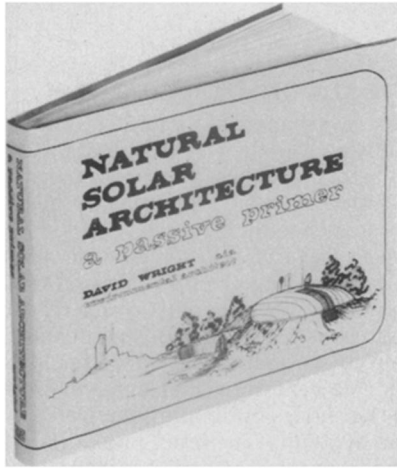
To order, circle "K" on Reader Service Card.

## WESCOTT'S PLANT DISEASE HANDBOOK Fourth Edition

By Dr. Cynthia Wescott, revised by Dr. R. Kenneth Horst. This latest edition of a classic in the field offers professional and home gardeners the latest diagnostic and disease control information, with complete listings of all symptoms and side effects. 832 pp., 74 illus., 8 color plates, 6 x 9, \$32.50

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

To order any of these books circle appropriate letter on Reader Service Card.



### **NATURAL SOLAR ARCHITECTURE A Passive Primer**

By David Wright. Provides a comprehensive discussion of the passive approach to solar architecture—a space conditioning method of proven high thermal response with little or no consumption of fossil fuels. The author explains important principles of thermal physics and how to use them with modern building materials to design solar-energized houses in almost any climate. "Unique and pleasing format . . . valuable subject matter."—*Library Journal* • 244 pp., illus., 11 x 8½, \$14.95

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

### **EARTH SHELTERED HOUSING DESIGN**

By the Underground Space Center, University of Minnesota. A comfortable and economic approach to underground housing based on modern construction techniques. Fully discussed are site selection, equipment, insulation, building codes, and other topics. Plans, details, and photographs of earth sheltered houses from around the country are included. "Comprehensive."—*AIA Journal* • 310 pp., illus., 10¾ x 8½, \$17.95

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

### **FIRST IN THE FIELD America's Pioneering Naturalists**

By Robert Elman. This book recreates the lives of America's pioneering naturalists, who probed the unknown at first hand—not in the laboratory, but in the wilds. Their contribution laid the groundwork for the study of the natural sciences the world over. 231 pp., illus., 6 x 9, \$5.95 paper

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

### **I HEAR AMERICA TALKING**

By Stuart Flexner. Flexner offers a penetrating account of the words that made our history—and the history that made our words—from *abolition* to *Watergate*. Photos, cartoons, and boxed marginal quotes abound. "A masterpiece of cultural history."—*The New York Times Book Review* • 517 pp., illus., 8½ x 11, \$18.95

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

### **BIOLOGICAL PATHS TO SELF RELIANCE A Guide to Biological Solar Energy Conversion**

By Russell E. Anderson, Ph.D. A clear, non-technical description of a biological solar-energy conversion system using natural processes. Tells how to provide the food, fuel, fertilizer and waste recycling needed to support human life in a healthy environment. 367 pp., illus., 6 x 9, \$18.95

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

### **SPIRITS OF THE SACRED MOUNTAINS Creation Stories of the American Indians**

By William E. Coffey. Combines the traditional creation stories of Indian tribes with human origin theories. Drawing directly from oral tradition, the author has carefully collected these stories from Indian elders and spiritual leaders during 25 years of travel through North America. 125 pp., illus., 6 x 9, \$8.95

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

### **THE BIOLOGY OF CRABS**

By G.F. Warner. The first volume to cover all important aspects of these model crustaceans. Discussing the latest data from zoological research, here are the latest evaluations of crab anatomy and physiology, crab sensory equipment, ecological adaptations, and social behavior in crab societies. "Outstanding."—*Choice*. 200 pp., 43 illus., 6 x 9, \$15.95

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

### **BIRD FLIGHT**

By Georg Ruppell. Numerous photographs and accompanying text show how different birds perform their maneuvers. Anatomical features that make bird flight possible are fully discussed. "A comprehensive study of bird flight in nontechnical language."—*Science News*. 191 pp., 248 illus., 7½ x 9¾, \$18.95

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

### **NEUROSES**

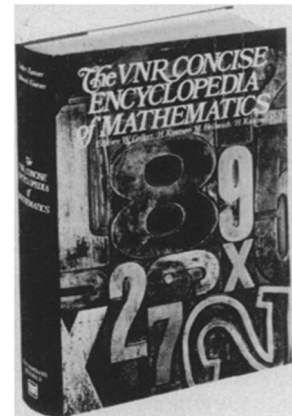
By Melvin Gray. Considers physical and psychological factors, current life situations, and environmental stressors that cause neurosis. Useful methods are provided for organizing data for diagnostic purposes, and all terms are thoroughly clarified. Separate sections are devoted to each of the eight neurotic diseases, as well as to treatments involving psychotherapy, drugs, and physical, surgical, and electrical methods. 357 pp., 6 x 9, \$15.95

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

### **COLOR ENCYCLOPEDIA OF GEMS**

By Joel E. Aram. Presents data on every known species and variety of gemstone. Information on each gem includes chemical formula, crystal structure, colors, luster, hardness, density, cleavage, optics, spectral data, luminescence, and size. "The most complete book of its type."—*Gems & Minerals* • 320 pp., 315 color illus., 8½ x 11, \$35.00

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



### **THE VNR CONCISE ENCYCLOPEDIA OF MATHEMATICS**

Edited by W. Gellert, H. Kustner, M. Hellwich and H. Kastner. Lucidly explains every specialized area of mathematics, in addition to describing the interrelationships between the various mathematical branches. Hundreds of examples, diagrams, drawings, photographs, and plates; the use of color to highlight key points; and fascinating historical facts about the evolution of mathematics are just some of the handbook's useful features. "Outstanding."—*Library Journal* • 810 pp., illus., 6½ x 9¼, \$18.95

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

To order any of these books circle appropriate letter on Reader Service Card.