

# books OF THE WEEK

Books of the Week is an editorial service for readers' information. To order any book listed, or any U.S. book in print, please remit retail price, plus 25¢ handling charge for each book to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. All books sent postpaid.

**ARCTIC GEOLOGY:** Proceedings, Second International Symposium on Arctic Geology, 1971—Max G. Pitcher, Ed.—AAPG, 1973, 747 p., photographs, diagrams, maps, tables, computer-indexed, \$30. Papers deal with the regional arctic geology of Canada, the Nordic countries, USSR and Alaska, the evolution of arctic ocean basins, and the economics of petroleum exploration and production in the Arctic.

**THE ARMILLARY SPHERE**—Seymour Robins—Universe, 1973, 16 p., photographs, model, paper, \$2.95. Describes about a dozen of these ancient astronomical instruments, and includes an attractive cardboard standing model.

**GAME BIRDS OF NORTH AMERICA**—Leonard Lee Rue III—Har-Row, 1973, 490 p., paintings by Douglas Allen, Jr., photographs, maps, \$12.50. For the hunter with camera, binoculars, or gun, the book gives a detailed description of 75 species of American waterfowl, upland birds and shore birds.

**THE HOME LAWN HANDBOOK**—Henry W. Indyk, Ed.—Brooklyn Botanic Garden, 1973, 88 p., color-plates, photographs, drawings, tables, paper, \$1.50. Lawn experts provide up-to-date working advice on the lawn and its soil, fertilizer needs, the most effective use of water, ailing lawns, sod selection, diseases, insects, thatch and weed control, regional grasses and their maintenance.

**MAN, FOOD AND NUTRITION:** Strategies and Technological Measures for Alleviating the World Food Problem—Miloslav Rechcigl, Jr., Ed.—CRC Pr, 1973, 344 p., tables, \$29.95. Specialists review strategies and technological approaches for dealing with the world food problem—expand food production, reduce wastes and spoilage, use unconventional sources of food, and improve the nutritional quality of foods.

**MYOGLOBIN:** Biochemical, Physiological and Clinical Aspects—Lawrence J. Kagen—Columbia U Pr, 1973, 163 p., diagrams, tables, \$10. Reviews, in succinct form, current knowledge of myoglobin, with emphasis on its physiological and biochemical role in the metabolism and function of the muscle.

**PERSPECTIVES IN ZOOLOGY**—Alan Boyden—Pergamon, 288 p., plates, diagrams, \$16.50. Book aims to give a critical review of research trends in the related fields of systematics, evolution and phylogeny.

**A QUESTION OF SURVIVAL** for the Indians of Brazil—Robin Hanbury-Tenison, foreword by H.R.H. The Duke of Edinburgh—Scribner, 1973, 272 p., color-plates, maps, \$9.95. Experienced explorer's tale about his visits to some 30 rarely contacted Brazilian Indian tribes, and what he learned about the problems of those pre-Columbian survivors.

**THE REVISED NEW GENERAL CATALOGUE OF NONSTELLAR ASTRONOMICAL OBJECTS**—Jack W. Sulentic and William G. Tift—U of Ariz Pr, 1973, 410 p., \$10.50. Provides in one compact volume a working collection of basic data of all brighter objects other than stars of interest to observers.

**RUBBER TECHNOLOGY**—Maurice Morton, Ed.—Van Nos Reinhold, 1973, 2nd ed., 603 p., photographs, diagrams, tables, \$18.50.

Systematic coverage features exposition of the molecular structure of natural and synthetic rubbers, and the compounding of these rubbers for vulcanization. Revision contains much new material resulting from the breakthrough in organometallic polymerization.

**SAFARI SOUTH AMERICA**—Christina Wood—Taplinger, 1973, 224 p., illus. by Nancy Lou Gahan, \$7.95. Participating in a wildlife-rescue in the Surinam jungle, the author tells a lively story about the operation, the people, the rescue of rare Saki monkeys, jaguars and other animals trapped by the rising waters of a hydroelectric dam.

**SEX AND BIRTH CONTROL:** A Guide for the Young—E. James Lieberman, M.D. and Ellen Peck; introd. by Mary S. Calderone, M.D.—T Y Crowell, 1973, 310 p., \$5.95. Responsible attitudes toward sex discussed by young people and adults. Practical explanation and comparison of contraceptive methods.

**UNDERSTANDING AND OVERCOMING DEPRESSION**—James A. Brussel, M.D. and Theodore Irwin—Hawthorn, 1973, 244 p., \$6.95. Authoritative and readable treatment of the progression and treatment of mental depression—from blues through various types of neurosis to self-destructive depression.

**A WORLD OF STRANGERS:** Order and Action in Urban Public Space—Lyn H. Lofland—Basic, 1973, 223 p., \$9.50. Sociologist analyzes various devices used in different times in history to create social and psychological order in cities; concludes with an analysis of the contemporary city and the ways strangers evaluate each other.

## TEXTBOOKS

**ATTENTION AND EFFORT**—Daniel Kahneman—P-H, 1973, 246 p., photographs, diagrams, tables, \$8.95. Graduate text, incorporates findings from studies on the role of audition, visual perception, control and mobilization of effort, physiological arousal and its multiple psychological determinants.

**BIOLOGY:** A Full Spectrum—Gairdner B. Moment and Helen M. Habermann—Williams & Wilkins, 1973, 756 p., photographs, drawings, diagrams, \$12.95. Text presents the various aspects of biology, stressing patterns of cellular structure, the unity of biochemical pathways, levels of organization, the predictability of inheritance, adaptation, the geological record of evolution, and the interdependence of the biosphere.

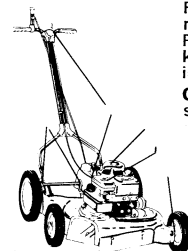
**THE CHEMICAL BASIS OF LIFE:** An Introduction to Molecular and Cell Biology—Philip C. Hanawalt and Robert H. Haynes, Eds.—W. H. Freeman, 1973, 405 p., photographs, diagrams in color, \$12; paper, \$5.95. These readings from SCIENTIFIC AMERICAN, with the editors' introductions, provide a survey of the main currents of investigation, including the latest work on membranes and biochemical regulation in cells. May be used as principal or supplementary textbook.

**THE CRYSTAL STRUCTURE OF SOLIDS**—P. J. Brown and J. B. Forsyth—Crane-Russak, 1973, 172 p., photographs, diagrams, \$15.50; paper, \$6.95. Text combines a discussion of modern crystallographic experimental techniques with an introductory account of the crystal structure found in solids. Written from the physicist's or materials scientist's point of view.

**ELECTRICAL BREAKDOWN IN GASES**—J. A. Rees, Ed.—Wiley, 1973, 294 p., photographs, diagrams, \$22.50. Papers with editor's introductions constitute a documentary account of the growth of research in the subject, from the theory of ionization of gases in collision, to gas breakdown at optical frequencies. Textbook and reference.

**GLASS SCIENCE**—Robert H. Doremus—Wiley-Interscience, 1973, 349 p., illus., tables, \$17.95. Introductory text and reference source, deals with glass properties and the mechanism behind them, formation and structure, transport, chemical and surface properties, strength, and optical properties.

## FIX LAWN MOWERS



FOR FUN & PROFIT! Fascinating new Handbook by F. Peterson gives you the knowledge skilled mechanics learn.

OVER 125 ILLUSTRATIONS show how to trouble shoot, repair carburetors, engines, balance and sharpen blades, etc. Exploded drawings are extensively used.

INSTRUCTIONS COVER reel, rotary and rider mowers, preventive and routine maintenance, how to identify brand names, where to obtain replacement parts. How to buy and use a lawn mower. Friends gladly pay \$10 to \$50 to fix their lawn mowers. Try the HANDBOOK OF LAWN MOWER REPAIR.

Rush only \$6.95 plus 50¢ handling on 10-day money-back guarantee.

EMERSON BOOKS, INC., Dept. 242A  
Buchanan, New York 10511

**WHITE'S METAL DETECTORS**

WHITE'S ELECTRONICS, INC. manufacture the World's Largest and Finest Line of Mineral and Metal Detectors. Ghosttowning, beachcombing, bottle hunting, coin hunting—all types of TREASURE HUNTING or PROSPECTING, amateur or professional. Detect conductive metals—Gold, Silver, Copper, Nuggets—Coins—Rings—Jewelry, etc. Underwater or on the land. "There are no finer at any price." 25 production models to choose from—T.R. or B.F.O.

Priced from \$79.50 up

—Always specify the Blue & Gold—  
ASK FOR WHITE'S BY NAME  
—Free Literature—

**WHITE'S ELECTRONICS**

Rm. No. 395 1011 Pleasant Valley Rd.  
Sweet Home, Oregon  
33784 Hazel Street Elk-Ind. Industrial Park  
Abbotsford, B.C. Dexter Drive, East  
Canada Elkhart, Indiana 46514

**SOLVE THIS PUZZLE —**

Jones, Brown, Smith, and Robinson were either a Driver, a Stoker, a Guard, or a Porter. Each wore either a red, blue, black or green shirt.

The Driver beat Brown at billiards and Smith and the Guard often played golf with the men in black and green shirts. Jones and the Porter disliked the man in the green shirt, but this was not the Stoker as he always wore a red shirt.—What was each person's occupation and color of shirt?

The correct answer to this and 100 MORE varied mind-stretching Problems are found in **BRAIN PUZZLER'S DELIGHT** by E. R. Emmet. Order Now: \$5.95, plus 30¢ handling. 10-Day Money-Back Guarantee

EMERSON BOOKS, Inc., Dept. 241A  
Reynolds Lane, Buchanan, N.Y. 10511

**SCIENCE TEACHERS. Volunteer PEACE CORPS.** Two years in local school systems of developing countries overseas. Develop curricula/teaching aids, train teachers, participate in team teaching workshops. U.S. Citizen, Single or Couples only. Information: Bruce Mazzie, ACTION, OCP Box T-17, Washington, D.C. 20525.

DIGITAL:THEORY,DESIGN,  
CONSTRUCTION

**LOGIC NEWSLETTER**®

SAMPLE COPY \$ 1.00  
LOGIC NEWSLETTER  
POB 252 N  
WALDWICK,N.J. 07463

## BOOK ORDER SERVICE

For the convenient purchase of any U.S. book in print you may avail yourself of Science News Book Order Service, 1719 N St., N.W., Washington, D.C. 20036. We pay postage. Send 25¢ handling charge. Regular retail prices on all books.