

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 Street, N.W., Washington, D.C. 20036. All books sent postpaid.

BARRIER ISLANDS—Maurice L. Schwartz, Ed.—Dowden-Hutchinson, 1973, 451 p., photographs, diagrams, maps, \$22. Collection of Benchmark Papers on the geology of barrier-lagoon coasts, from de Beaumont's discourse on sand banks (1844), to discussion of Australian barrier formations (1972).

BEGINNER'S GUIDE TO HYDROPONICS: Soil-less Gardening—James Sholto Douglas—Drake, 1973, 156 p., illus., paper, \$2.95. Gives concise instructions about process, growing units, plant care, recommended crops, and miscellaneous uses.

CHEMICAL TECHNOLOGY: An Encyclopedic Treatment, Vol. VI: Wood, Paper, Textiles, Plastics and Photographic Materials—B&N, 1973, 686 p., photographs, diagrams, tables, \$42.50. Each chapter presents comprehensive and up-to-date account of the subject, written by specialist.

ECOLOGY OF TROPICAL AND SUBTROPICAL VEGETATION—Heinrich Walter, transl. from German by D. Mueller-Dombois; J. H. Burnett, Ed.—Van Nos Reinhold, 1973, 557 p., photographs, diagrams, maps, \$27.50. Study presents a major synthesis of information on the vegetation of tropical and subtropical zones throughout the world.

MARINE AQUARIUM KEEPING: The Science, Animals and Art—Stephen Spotte—Wiley, 1973, 171 p., 80 photographs, drawings, \$9.95. Clear and detailed information on how to maintain scientifically a wholesome chemistry in the highly unstable marine aquarium environment, which animals thrive, which don't, types of food, feeding techniques, and the art of display.

THE MODERN CONCEPT OF NATURE: Essays on Theoretical Biology and Evolution by H. J. Muller—Elof Axel Carlson, Ed.—State U of NY Pr, 1973, 272 p., photograph, \$8.95; paper, \$4.95. Essays deal with the theory of the gene, the induction of mutations, the principles of genetic load, and the neo-Darwinian theory of evolution.

NOISE AND MAN—William Burns—Lippincott, 1973, 2nd ed., 459 p., illus., \$20. A broad, factual account of the subject, treats physical properties and types of sound, measurement of sound, mechanism of hearing and its measurement, deafness, temporary and permanent disturbances, aircraft and other intense noise.

THE TROPICAL FOREST: Ants, Ants, Animals and Plants—Mary Batten—T Y Crowell, 1973, 130 p., illus. by Betty Fraser, maps, \$4.95. Handsomely designed and informative book tells of the complex fauna and flora in the warm, moist forests that gird the earth, and of their fragile ecology that has only begun to be understood by teams of exploring biologists.

THE UNCERTAIN MIRACLE: Hyperbaric Oxygenation—Vance H. Trimble—Doubleday, 1974, 236 p., photographs, \$6.95. Reports on the development of hyperbaric chambers, the effect of compressed oxygen treatment and hyperbaric therapy, discusses past and potential performance.

march 2, 1974

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.

TEST GEMS

For Fun and Profit



This exciting pursuit combines the challenge of detective work . . . the thrill of spotting sensational "buys" . . . the satisfaction of knowing when someone else's big flashy "diamond" isn't . . . and the opportunity for highly paid sparetime earnings.

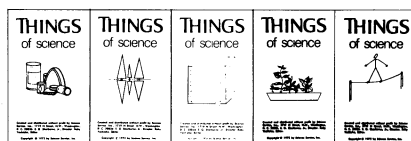
Bible of amateurs and professionals alike is **GEM TESTING**, a remarkably simple, lavishly illustrated book by B. W. Anderson. As director of London's world-famed Precious Stone Laboratory, Anderson has examined more gems than any other man in history.

Now he shows you step-by-step the high speed methods by which he unerringly identifies precious stones. Emphasis throughout the book is on rapid examination with the naked eye.

THIS FIRST AMERICAN EDITION OF GEM TESTING tells, shows, and explains everything you need to start right in testing. See for yourself. **COPIOUSLY ILLUSTRATED!** Send only \$7.95, plus 50¢ handling, 10 Day Money-Back Guarantee to:

**EMERSON BOOKS, Inc., Dept. 463-A
Buchanan, New York 10511**

Circle No. 141 on Reader Service Card

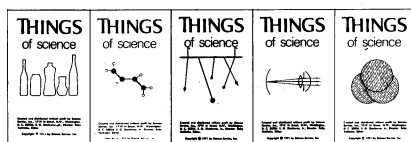


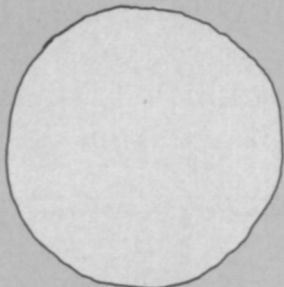
Send 12 months of SCIENCE FUN

to the boy or girl on your gift list with a membership in THINGS of science. Designed for 10-to-16-year olds, each of the monthly kits is on a different subject in science—biology, chemistry, physics, earth sciences or mathematics. The kits contain materials and a booklet of interesting and informative experiments that can be done at home or in school. A year's membership of 12 monthly THINGS units is only \$9.50.

Send order with remittance to

**THINGS of science
Department P11
231 W. Center Street
Marion, Ohio 43302**





Put your students on SPACESHIP EARTH.


SPACESHIP EARTH/EARTH SCIENCE and SPACESHIP EARTH/PHYSICAL SCIENCE are based on simple, tested investigations that let junior high students discover their world. Reading ability is not an important factor; students learn through seeing, touching, listening, and making things change—the ways they've learned naturally all their lives. These two textbooks feature clear, concise explanations with everyday examples and many pictures, diagrams, graphs, and games. We'd like to tell you more. Write your Houghton Mifflin regional office.

Supplementary materials: Teacher's Annotated Edition, Laboratory Supplement, Progress Tests on Duplicating Masters

**SPACESHIP EARTH
EARTH SCIENCE**
Jackson • Evans

**SPACESHIP EARTH
PHYSICAL SCIENCE**
Hill • Barcaski

Houghton Mifflin
Atlanta, GA 30324 / Dallas, TX 75235
Geneva, IL 60134 / Hopewell, NJ 08525
Palo Alto, CA 94304 / Boston, MA 02107



149