

## books OF THE WEEK

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**ACOUSTICS:** Historical and Philosophical Development—R. Bruce Lindsay, Ed.—Dowden-Hutchinson, 1973, 465 p., illus., \$24. Presents summary history of acoustics from earliest times in terms of production, propagation and reception of sound, followed by 39 benchmark papers representing the evolution of acoustics as a science.

**AGRICULTURE IN NEW JERSEY: A Three-Hundred-Year History**—Hubert G. Schmidt—Rutgers U Pr, 1973, 335 p., maps, \$15. Definitive historical study, from frontier-period status as one of the Bread Colonies to Garden State and the impact of modern technology on farm practices and operations.

**THE AMATEUR'S GUIDE TO CAVES AND CAVING**—David R. McClurg—Stackpole, 1973, 191 p., photographs, drawings by LaRhee Parker, \$5.95; paper, \$2.95. Endorsed by the National Speleological Society, manual explains the scientific purpose, conservation and safety rules, techniques and equipment for underground exploration.

**THE AMAZING STORY OF HEALTH CARE IN NEW CHINA**—K. K. Jain—Rodale Pr, 1973, 184 p., photographs, \$6.95. Canadian neurosurgeon's impressions of Chinese medical care, with its strong political overtone, stress on prevention, acupuncture, immunization programs, aided by a system of "barefoot doctors" and Red Guard doctors with minimum medical training.

**CRC HANDBOOK OF CHEMISTRY AND PHYSICS: A Ready-Reference Book of Chemical and Physical Data**—Robert C. Weast, Ed.—CRC Pr, 1973, 54th ed., 2,431 p., tables, \$25.95. Revised, updated or expanded in sections ranging from mathematical constants, cryogenic properties of gases, photometric units and standards, to limits of human exposure to air contaminants, and strengths of chemical bonds.

**CARDIOVASCULAR THERAPY; The Art and the Science**—Henry I. Russek, M.D. and Burton L. Zohman, M.D., Eds.—Williams & Wilkins, 1973, 365 p., photographs, diagrams, tables, \$24. Represents the edited and indexed proceedings of the American College of Cardiology-St. Barnabas Hospital Symposium. Contributions blend precise scientific knowledge with clinical judgment.

**THE CONSCIOUS BRAIN**—Steven Rose—Knopf, 1973, 354 p., illus., \$10. Neurobiologist discusses in layman's terms how neurobiologists view the development of the brain sciences, the brain as a system, the evolution of brains and consciousness, specificity vs. plasticity, memory, emotion, sleep, madness.

**CRO-MAGNON MAN**—Tom Prideaux and the Eds. of Time-Life Books—Time-Life Bks (Little), 1973, 160 p., color plates, photographs, drawings, tables, \$7.95. Describes arrival and development, 40,000 to 10,000 years ago, of hunting cavemen with the mental capacity and physical equipment to talk like modern man, as seen in testimony of Stone Age technology, sculpture and paintings.

**DEVELOPMENTS IN MATHEMATICAL EDUCATION:** Proceedings of the Second International Congress on Mathematical Education—A. G. Howson, Ed.—Cambridge U Pr, 1973, 318 p., diagrams, \$14.50; paper, \$6.95. Work presented deals with a wide range of interest and all levels of mathematical education from pre-school to university.

**THE EARTH AND HUMAN AFFAIRS**—Committee on Geological Sciences, NRC—NAS—Canfield Pr (Har-Row), 1973, 142 p., photographs, diagrams, paper, \$1.95. Prepared by geologists to provide the concerned citizen with a basis for understanding how the earth changes and evolves, the interactions between land and sea, surface and interior, and how these forces relate to man's activities on earth.

**ENVIRONMENTAL QUALITY AND SOCIAL BEHAVIOR:** Strategies for Research—Division of Behavioral Science, National Research Council—NAS, 1973, 86 p., paper, \$4.50. Outlines research strategies directed toward improving knowledge about individual, group, institutional and governmental behaviors that relate to problems of environmental quality and management.

**FORM AND PATTERN IN HUMAN EVOLUTION:** Some Mathematical, Physical and Engineering Approaches—Charles Oxnard—U of Chicago Pr, 1973, 218 p., photographs, drawings, \$12.50. Describes sophisticated techniques, from multivariate statistical analysis to optical data methods, which enable anthropologists to analyze and deduct function from the structure of bones.

**GALAXIES OF LIFE:** The Human Aura in Acupuncture and Kirlian Photography—Stanley Krippner and Daniel Rubin, Eds.—Interface Bk (Gordon), 1973, 182 p., color plates, photographs, diagrams, \$12.50. See story SN 9/29/73, p. 202-204.

**GUITAR REPAIR:** A Manual of Repair for Guitars and Fretted Instruments—Irving Sloane—Dutton, 1973, 95 p., photographs by author, \$8.95. Photographs and text show clearly the necessary procedures of fine craftsmanship in restoring acoustic (hollow body) guitars—from warped necks and cracks to fractures and seam separations.

**HIGHER EDUCATION:** Who Pays? Who Benefits? Who Should Pay?—Carnegie Commission on Higher Education—McGraw,

1973, 190 p., tables, paper, \$3.95. Report and recommendations concerned with the very complicated questions of educational accounting, user costs and benefits, user benefits versus societal benefits, and how to apportion funding.

**HOW TO GET YOUR CAR REPAIRED WITHOUT GETTING GYPPED**—Margaret Bresnahan Carlson with Ronald G. Shafer—Har-Row, 1973, 278 p., illus., tables, \$5.95. Intended to give the nonmechanical car owner an understanding of how the repair system works, what to watch out for, and where to go.

**JOB POWER:** Blue and White Collar Democracy—David Jenkins, Doubleday, 1973, 375 p., \$8.95. Examines aspects of industrial democracy, the transfer of decision-making power to employees, and cites supporting evidence from the experience of business enterprises in the U.S., Germany, France, Israel, Yugoslavia and Scandinavia.

**LIFE BEYOND EARTH & THE MIND OF MAN**—Richard Berendzen, Ed.—NASA (GPO), 1973, 106 p., illus., paper, \$1.25. Abridged transcript of scientists' discussion exploring the implications of the possible existence of extraterrestrial life.

**THE TRAGEDY OF THE MOON**—Isaac Asimov—Doubleday, 1973, 220 p., \$6.95. Collection of science essays about such varied topics as the moon, the speed of light, carbon, microorganisms, the thyroid gland, society, and science fiction writing.

**WALKING IN THE WILD:** The Complete Guide to Hiking and Backpacking—Robert J. Kelsey—Funk & W, 1973, 362 p., photographs, drawings, \$6.95. Intended to serve as a guide, first to the principles of backpacking and, second, to the old and new types of equipment necessary for extended stays in the wilderness, stressing modern methods of camping in agreement with conservation practices.

### Advice to youth on 1974 Science Fairs:

Winning a prize is more satisfying than not winning a prize.

Judges favor projects they can understand.

**Well-planned photography may help them understand.**

**Now—not next spring—is the time to plan.**

We offer helpful hints.  
Write Dept. 841, Kodak,  
Rochester, N.Y. 14650.



Any questions?

