

# Books of the Week

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**ABC'S OF ELECTRONIC TEST EQUIPMENT**—Donald A. Smith—Sams, 96 p., illus., paper, \$1.95. Pertinent, basic details of many electronics testing, measuring and indicating devices developed to aid engineers and technicians in their work are presented to the reader with minimum knowledge of electronics.

**ABC'S OF HI-FI AND STEREO**—Hans Fantel—Sams, 96 p., illus., paper, \$1.95. Presents the basic principles of sound reproduction in an informal, non-technical manner.

**AMATEUR RADIO CONSTRUCTION PROJECTS**—Charles Caringella—Sams, 136 p., illus., paper, \$2.50. A book for every amateur giving many helpful construction hints. Progresses from simple projects to more complicated ones.

**THE AUTOMATION AGE**—Pauline Arnold and Percival White—Holiday, 197 p., illus., \$3.95. Provides a foundation for understanding automation. Emphasis is on what automation does, rather than how it does it.

**THE ESSENCE OF BIOMETRY**—John Stanley—McGill Univ. Press, 147 p., \$5. The text proposes to give the graduate student and research worker a clearer understanding of various statistical methods. Each method is illustrated with a fully worked-out example.

**EURATOM INFORMATION**, Vol. I, No. 1, 1963—European Atomic Energy Community—Verlag Handelsblatt GmbH, 80 p., paper, six issues per year, annual subscription \$15. Publishes abstracts of scientific and technical publications resulting from research sponsored by Euratom, patents, research contracts and research programs.

**HISTORY OF MANKIND**, Vol. I: Prehistory and the Beginnings of Civilization—Jacquetta Hawkes and Sir Leonard Woolley—Harper, 873 p., illus., maps, \$12.50. quantity rates to schools \$9.75. Sponsored by Unesco, this first volume of an unbiased, scholarly and readable global history describes the development of man in the Palaeolithic, Mesolithic and Neolithic Ages, and the beginnings and limits of civilization in the Bronze Age up to 1300 B.C.

## Why Do You Read So Slowly?

A noted publisher in Chicago reports there is a simple technique of rapid reading which should enable you to double your reading speed and yet retain much more. Most people do not realize how much they could increase their pleasure, success and income by reading faster and more accurately.

According to this publisher, anyone, regardless of his present reading skill, can use this simple technique to improve his reading ability to a remarkable degree. Whether reading stories, books, technical matter, it becomes possible to read sentences at a glance and entire pages in seconds with this method.

To acquaint the readers of this newspaper with the easy-to-follow rules for developing rapid reading skill, the company has printed full details of its interesting self-training method in a new book, "Adventures in Reading Improvement" mailed free to anyone who requests it. No obligation. Simply send your request to: Reading, 835 Diversey Parkway, Dept. 264C, Chicago 14, Illinois. A postcard will do.

**HOME NURSING TEXTBOOK**—Nursing Services, American Red Cross—Doubleday, 7th ed., 368 p., illus., paper, \$1.25. Up-to-date revision incorporates new concepts on the care of the sick and aged at home and explains procedures and attitudes necessary to assist in the rehabilitation of these patients.

**IDENTIFICATION OF ORGANIC COMPOUNDS: A Student's Text Using Semimicro Techniques**—Nicholas D. Cheronis and John B. Entrikin—Interscience, 477 p., illus., \$8.95. Text is an abridgment of "Semimicro Qualitative Organic Analysis," rewritten and particularly addressed to students of elementary or intermediate organic chemistry.

**INTERNATIONAL ORGANIZATIONS AND SPACE COOPERATION**—Leonard E. Schwartz—World Rule of Law Center, 108 p., paper, \$5. Desk book of facts about international organizations, both public and private, engaged in cooperative space activity.

**LABORATORY DIRECTIONS FOR INVERTEBRATE ZOOLOGY**—Tyler A. Woolley—Burgess, 140 p., illus., paper, \$4. Broad range of exercises designed to encourage student to investigate principal invertebrate groups, representative forms and their characteristics, and phylogenetic relationships.

**LIFE-LIKE FORMS IN METEORITES AND THE PROBLEMS OF ENVIRONMENTAL CONTROL ON THE MORPHOLOGY OF FOSSIL AND RECENT PROTOBIONTA**—Bartholomew Nagy, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 108, Art. 2, 278 p., illus., paper, \$4. Presents evidence that rules out the possibility for organic fossils on the Orgeuil meteorite having their origin by contamination since the meteorite fell to earth.

**MAMMALS: The Golden Bookshelf of Natural History**—Donald F. Hoffmeister; Herbert S. Zim, Ed.—Golden Press, 104 p., illus. by Harry McNaught and others, \$3.95. Colorful and informative introduction to the world of mammals, for young people.

**MINIATURE BULBS**—Roy Genders—St. Martins, 191 p. plus 48 p. photographs, \$6.75. Devoted entirely to the description of true miniature bulbs with instructions for planting them in the yard, in window boxes or indoors.

**THE MONKEY KINGDOM: An Introduction to the Primates**—Ivan T. Sanderson—Chilton Co., 200 p., illus. and maps by author, 76 photographs, \$6.50. Brings together what is known about the various aspects of primates, their appearance and habits, their behavior in captivity and in the wild, their temperament, and their position in the scheme of life.

**THE MOON, METEORITES AND COMETS. The Solar System**, Vol. 4—Barbara M. Middlehurst and Garard P. Kuiper, Eds.—Univ. of Chicago Press, 810 p., illus., \$15. Fourth volume of series designed to be a reference book for the specialist and a source of information for non-astronomical scientists working in allied fields.

**MOSES OF FLORIDA: An Illustrated Manual**—Ruth Schornherst Breen—Univ. of Fla. Press, 273 p., illus. by author, \$8.50. Presents the morphology, systematics, ecology and distribution of the mosses of Florida, with detailed original drawings of each species.

**MUTATIONS: Second Conference on Genetics**—William J. Schull, Ed.—Univ. of Mich. Press, 248 p., diagrams, \$6. Papers presented and discussions covered problems of measurement of mutation rates, mutagenesis, and the mutagens currently of potential significance to man and other species.

**NASA AUTHORIZATION FOR FISCAL YEAR 1964, Hearings, Part 1: Scientific and Technical Programs**—Senate Committee on Aeronautical and Space Sciences—(GPO), 769 p., illus., paper, \$2.25. Hearings on S. 1245, a bill to authorize appropriations to NASA for research, development and operation and construction of facilities. Indexed.

**NATIONAL PHYSICAL LABORATORY: Report for the Year 1962**—Dept. of Scientific and Industrial Research—H.M.S.O. (Brit. Information Services), 251 p., photographs, paper, \$3.20. Reports on British research in the field of aerodynamics, basic and applied physics, light, mathematics, metallurgy and standards.

**ONE DAY IN THE "NEW LIFE"**—Fyodor Abramov, transl. from Russian by David Floyd—Praeger,

174 p., \$3.50. A candid Soviet story of life on a collective farm, first published in Russia early this year.

**THE PALEOECOLOGICAL HISTORY OF TWO PENNSYLVANIAN BLACK SHALES**—Rainer Zangerl, Eugene S. Richardson Jr. and others—Chicago Nat. Hist. Mus., 352 p., illus., charts, paper, \$10. Study analyzes the forces and factors that produced the conditions for the carbonaceous shale deposits with their tremendous concentrations of skeletons of vertebrates in association with invertebrates.

**PASTIMES WITH STRING AND PAPER**—William R. Ransom—Christopher Pub. House, Boston, 151 p., illus. by Edwin A. Hoadley and author, \$3. Mathematics teacher's collection of entertaining ways to fold paper and use string, requiring calculations, skill and patience. Clearly illustrated with hundreds of diagrams.

**PATHOLOGY OF DOMESTIC ANIMALS**, Vol. 1—K. V. F. Jubb and Peter C. Kennedy—Academic Press, 477 p., illus., \$18. The first of a two-volume work, presents a detailed and comprehensive account of the numerous disease processes according to the organ system primarily involved.

**THE PHYSICS OF ENGINEERING SOLIDS**—T. S. Huthchison and D. C. Baird—Wiley, 368 p., illus., \$8. Textbook designed to acquaint the undergraduate engineer with the fundamental properties of the solid state.

**PHYSIOLOGY OF REPRODUCTION: Proceedings of the 22nd Annual Biology Colloquium**—Frederick L. Hisaw Jr., Ed.—Oreg. State Univ. Press, 104 p., illus., \$4.50. Among areas of research covered is an up-to-date review of plant estrogen materials, papers on flowering processes and their relation to reproduction, and on the probable evolution of viviparity.

**THE POPULATION DILEMMA**—Philip M. Hauser, Ed.—Prentice-Hall, 188 p., graphs, tables, paper, \$1.95. Collection of papers for the general reader, originally comprised as background reading for the 23rd American Assembly at Columbia University, May 1963.

**RADIOLOGICAL DOSIMETRY: Recommendation of the International Commission on Radiological Units and Measurements**—National Bureau of Standards Handbook 88—(GPO), 26 p., illus., paper, 25¢. Presents the 1962 recommendations of the International Commission on Radiological Units and Measurements (ICRU).

**REGULATION OF RESPIRATION**—G. G. Nahas, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 109, Art. 2, 538 p., illus., paper, \$6. Conference papers cover neuronal physiology, central and peripheral factors of neural regulation, and humoral factors.

**REPORT OF THE NATIONAL CHEMICAL LABORATORY, 1962**—C. E. H. Bawn, Chmn.—Dept. of Scientific & Indus. Res. (Brit. Inform. Services), 91 p., paper, \$1.30. Reports on British research on the extraction of metals, new materials, corrosion of metals, and isotope applications.

**RIVER BASIN SURVEYS PAPERS: Inter-Agency Archeological Salvage Program, Numbers 26-32**—Frank H. H. Roberts Jr., Ed.—Smithsonian Inst. (GPO), 356 p., illus., maps, \$3. Seven reports pertaining to the work done in four reservoir areas in the Missouri Basin.

**SOURCES OF FREE AND INEXPENSIVE EDUCATIONAL MATERIALS**—Esther Dever—Dever, rev. 2nd ed., 392 p., \$3.25 direct to author, P.O. Box 186, Grafton, W. Va. Lists more than 1,400 sources and 2,500 items, such as films, slides, charts, posters, books, maps, pamphlets and tapes.

**STUDY PROJECTS IN PHYSICAL CHEMISTRY**—F. E. Condon—Academic Press, 203 p., illus., paper, \$4.75. Collection of 24 study projects normally covered in one-year survey course at college junior-senior level.

**THE 365 DAYS**—Keith Gordon Irwin—Crowell, 182 p., illus. by Guy Fleming, maps, \$5.50. The fascinating story of our calendar, from the efforts of ancient civilizations to the Gregorian calendar and its modifications, including recent methods of geological and archaeological dating.

**ULTRASTRUCTURE OF PROTEIN FIBERS**—Rubin Borasky, Ed.—Academic Press, 185 p., illus., \$9. Papers presented at a symposium of the Electron Microscope Society of America, Pittsburgh, August 1961.

**UNDERSTANDING AND USING THE PHASE MICROSCOPE**—L. A. Wren—Unitron, 64 p., illus., paper, \$1 direct to Unitron Instrument Co., 66 Needham St., Newton Highlands 61, Mass. Includes 25 experiments with the phase microscope by Prof. Julian D. Corrington.

**UNITED STATES IGY BIBLIOGRAPHY, 1953-1960**—Frank M. Marson and Janet R. Turner—Nat. Acad. of Sciences, 392 p., paper, \$3. An annotated bibliography of U.S. contribution to the IGY and IGC. Sections cover polar regions, earth's crust and interior, upper atmosphere and outer space, world days and communications.

**USAGE AND ABUSAGE: A Guide to Good English**—Eric Partridge—Penguin, 378 p., paper, \$1.25. Reprint of 1957 revision, designed not to compete with Fowler's Modern English Usage, but to supplement it; deals with usage of the period since 1926.

• Science News Letter, 84:92 Aug. 10, 1963

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