

# Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

**AMA:** Voice of American Medicine—James G. Burrow—Johns Hopkins Press, 430 p., \$7.50. An objective, social and political history of the American Medical Association, from its origin in the 19th century to the present, fully documented.

**ARCTIC ANTHROPOLOGY,** Vol. 1, No. 1—Chester S. Chard, Ed.—Dept. of Anthropology, Univ. of Wisconsin, 133 p., illus., paper, two numbers per volume published at irregular intervals, \$4. Presents papers concerning circumpolar problems, origins and Eurasian relationships of New World peoples and cultures, including translations.

**BACKBONE OF THE AMERICAS:** Tectonic History from Pole to Pole—Orlo E. Childs and B. Warren Beebe, Eds.—Am. Assn. of Petroleum Geologists, 320 p., illus., \$6.50. Geologists examine oil and gas occurrences linked to tectonic history in 15 areas along the chain of mountains from the Antarctic to Alaska.

**BIBLIOGRAPHY OF OCEANOGRAPHIC PUBLICATIONS**—Mark W. Pangborn, Jr.—Interagency Committee on Oceanography, 23 p., paper, free upon request direct to publisher, Bldg. T-3, Rm. 1714, 17th & Constitution Ave., Washington 25, D. C. Selected reading list on marine science for students and potential scientists.

**CHINA ONLY YESTERDAY:** 1850-1950, A Century of Change—Emily Hahn—Doubleday, 423 p., \$5.95. Narrative, describing the diverse forces and personalities that shaped the development of China from an isolated empire to a major power involved in international politics.

**HAM ANTENNA CONSTRUCTION PROJECTS**—J. A. Stanley—Sams, 160 p., illus., paper, \$2.95. Includes construction methods, transmission line feeders, antenna tuners and antenna-tuning techniques.

**INFORMATION SELECTION SYSTEMS RE-TRIEVING REPLICA COPIES:** A State-of-the-Art Report—Thomas C. Bagg and Mary Elizabeth Stevens—NBS (GPO), 172 p., illus., paper, \$1.25. A careful and inclusive statement of immediate interest and usefulness for the guidance of those responsible for analyzing the problem of storage and retrieval of scientific information. From the standpoint of Science Service in the early days of the American Document-

tation Institute, which it created, this summary of the beginnings of microfilm and the early thinking on retrieval methods dating from the 1930's, and earlier, makes accessible a record which has not hitherto been easy to find and utilize.

**INSECTS AND PLANTS:** The Amazing Partnership—Elizabeth K. Cooper—Harcourt, 153 p., illus. by Shirley Briggs, \$3. About nectar-feeders, flowers and beetles, butterflies and the flowers they visit, with many suggested activities for the interested young reader.

**INTERPRETATION OF AERIAL PHOTOGRAPHS:** An Introductory College Textbook and Self-Instruction Manual—T. Eugene Avery—Burgess, 193 p., illus., \$5.50. Deals with basic fundamentals of photogrammetry, interpretation and mapping, including special applications to forestry.

**INTRODUCTORY MECHANICS**—Edwin F. Taylor—Wiley, 423 p., illus., \$8.75. A challenging textbook for the freshman honors physics course, providing a thorough grasp of classical mechanics with an appreciation for the limits of its validity.

**MATHEMATICAL TABLES AND FORMULAS**—Compiled by Robert D. Carmichael and Edwin R. Smith—Dover, 269 p., paper, \$1. Reprint (1931), from common logarithms to infinite series.

**NAMING LIVING THINGS:** The Grouping of Plants and Animals—Sarah R. Riedman—Rand-McNally, 128 p., illus. by Jerome P. Connolly, \$3.50. Explains for boys and girls the classification system used in zoology and botany, includes biographical sketches of some of the originators.

**PERSPECTIVES IN BIOLOGY.** A Collection of Papers Dedicated to Bernard A. Houssay on the Occasion of his 75th Birthday—C. F. Cori and others, Eds.—Elsevier (N.Y.), 557 p., illus., \$21.75. Contributions, often based on new experimental findings, include topics such as neurophysiology, neurochemistry, cardiovascular and muscle physiology, metabolism and endocrinology.

**PHYSICAL METHODS IN HETEROCYCLIC CHEMISTRY,** Vol. I: Nonspectroscopic Methods; Vol. II: Spectroscopic Methods—A. R. Katritzky, Ed.—Academic Press, 346 p., 398 p., illus., \$12, \$14. Comprehensive treatise directed to the organic chemist, offers detailed treatment with numerous tables and references.

**PHYSICAL PROCESSES IN STELLAR INTERIORS**—D. A. Frank-Kamenetskii, transl. from Russian—Israel Program for Scientific Translations for NSF-NASA (OTS), 337 p., illus., paper, \$3.50. On the theory of stationary processes and its applications and on non-stationary processes.

**PICTORIAL ASTRONOMY**—Dinsmore Alter, Clarence H. Clemminshaw and John G. Phillips—Crowell, 2nd rev. ed., 312 p., photographs, diagrams, maps, \$6.95. Presents astronomy simply and accu-

ately for the layman, up-dated to include recent developments.

**RAND McNALLY ROAD ATLAS:** United States, Canada, Mexico—Rand McNally, 39th ed., 114 p., maps, paper, \$1.95. Up-to-date road maps of states, cities, national parks, provinces and special regions.

**REPLACEMENT GUIDE FOR TV AND AUTO-RADIO CONTROLS 1963**—Howard W. Sams Engineering Staff—Sams, 5th ed., 143 p., paper, \$1. Cross-references the replacement controls for more than 32,000 TV and 1,300 auto-radio models.

**RUSSIAN-ENGLISH CHEMICAL READER**—Alex A. Kramer—Van Nostrand, 311 p., \$7.50. Facilitates the ability to reach Russian chemical literature by printing on the left page chemical topic discussed in Russian, while right-hand page carries word-for-word English translation.

**SEA SO BIG, SHIP SO SMALL**—Jeanne Bendick, foreword by Admiral E. J. Roland—Rand McNally, 80 p., illus. by author, \$2.95. An excellent handbook of safe boating, copiously illustrated, aimed at young boys and girls.

**THE SHRUB IDENTIFICATION BOOK:** The Visual Method for the Practical Identification of Shrubs, Including Woody Vines and Ground Covers—George W. D. Symonds—Barrows (Morrow), 380 p., 3,550 photographs, \$12.95 until July 1, 1963; \$15 thereafter. Author's unique new system, based on details seen by eye, uses a series of pictorial keys designed for genus identification, and master pages for species identification.

**SNAKES:** In Fact and Fiction—James A. Oliver—Doubleday, 214 p., photographs, paper, \$1.25. Reprint (1958), in which herpetologist answers a majority of the questions most frequently asked about snakes.

**THE SOVIET FAMILY**—David and Vera Mace—Doubleday, 367 p., \$4.95. Attempts to give a composite picture of family life under the Soviet regime, based on facts and figures, impressions, records and quotations from literature.

**SURVEY AND ANALYSIS OF SPECIALIZED SCIENCE INFORMATION SERVICES IN THE UNITED STATES**—I. J. Panning and others—Battelle Memorial Institute, (OTS), 70 p., paper, \$2.50. Analysis and evaluation of survey data that served as background to National Science Foundation Directory of Specialized Science Information Services in the United States.

**TEST EQUIPMENT CIRCUIT MANUAL**—Robert G. Middleton—Sams, 191 p., diagrams, \$4.95. Designed to acquaint engineers with standard practices and technicians with instrument maintenance.

**TEXTILE FLAMMABILITY CONFERENCE,** Oct. 1962—Charles S. Morgan, Chmn.—Nat. Fire Protection Assn., 46 p., paper, \$1. Reviews the effects of textile flammability on the records of fires and fire casualties and discusses possible solutions to the problem.

**THEY CALL IT INTELLIGENCE:** Spies and Spy Techniques Since World War II—Joachim Joesten—Abelard-Schuman, 314 p., \$5. Journalist's round-up of contemporary international intelligence-gathering cases.

**TREES:** Vest Pocket Nature Guide—Selma Zulver—Ottenheimer, 93 p., illus., \$1. Handy little guide describing 80 trees in alphabetical order.

**THE WILD DANUBE:** Portrait of a River—Guy Mountfort—Houghton, 207 p., illus. by Erich Hosking, foreword by Peter Scott, \$6. A beautiful record of the wildlife and settlements along this Central European river.

**WILLIAM HERSCHEL:** The Pioneer of a New Era in Astronomy—Angus Armitage—Doubleday, 152 p., illus., \$3.95. The life and contributions of the 18th century astronomer who discovered the planet Uranus.

**WORKBOOK FOR INTRODUCTORY ANTHROPOLOGY**—Elden Johnson and Evelyn Hatcher—Burgess, multipaged, illus., paper, \$1.75. Designed to help student learn the terms and relationships in physical anthropology and prehistoric archaeology.

**THE WORLD CRISIS,** Vol. I—Winston S. Churchill—Scribner, 589 p., photographs, maps, \$7.50. First volume of the reissue (1923) of Sir Winston Churchill's six-volume account of World War I.

**YOUNG ADULT CAREER PLANNING:** Make Your Success More Certain—Bernard Haldane, Don C. Faith and Edesda Dahlgren—Career Planning Inst. (Taplinger), 116 p., illus., \$10. To help young people to recognize, develop and use their capabilities.

• Science News Letter, 83:318 May 18, 1963

## GEOMETRY TEACHERS

Exciting New Educational Aid! "EUCLID" The Geometry Card Game. Students teach each other. \$2.00 per Game. Need only 4 Games for average class.

Write to: Henry Albaugh  
Hillsdale College, Hillsdale, Mich.

## For the reader who wants to form his own opinion of the news...

Have you ever wished for a single, comprehensive news source that would present the facts impartially?

Do you ever wonder if injection of editorial opinion is unconsciously preventing you from forming your own conclusions?

Now you can receive a weekly news publication that covers the world scene authoritatively and completely without bias. Compact enough to slip in your pocket, it contains hard news culled

from more than 100,000 news reports a year.

You'll find no strident headlines, editorials or opinionated news treatment in *World News Digest*. You will find facts... on World and National Affairs, Space, Finance, Arts, Science, Education, Religion, Sports and many other subjects. Here, in eight to twelve 8½ x 11 pages weekly, are the facts of what's happening in every field of human activity—1,100,000 words expertly condensed to only 12,000.

*World News Digest* is published by Facts On File, the famous news-gathering service subscribed to by the major wire services and newspapers, prominent individuals, corporations, libraries, TV and radio networks.

### LATEST ISSUE FREE

For your free copy of the current *World News Digest*, write Facts On File, 119 West 57 St., New York 19, N. Y., Dept. N-65.

## ASTRONOMY

### For Everyone

Enjoy SKY AND TELESCOPE magazine monthly. Profusely illustrated. Observing and telescope making departments, monthly star and planet charts. Subscription in U. S.: \$5.00, 1 year; \$9.00, 2 years. Sample copy 50¢.

SKY AND TELESCOPE Cambridge 38, Mass. Dept. SNL