

# 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.

**THE ANALYSIS OF TITANIUM, ZIRCONIUM AND THEIR ALLOYS**—W. T. Elwell and D. F. Wood—*Wiley*, 198 p., illus., \$7.75. A laboratory compendium containing all essential information for chemical analysis.

**BASIC TECHNICAL WRITING**—Herman M. Weisman—*Merrill*, 512 p., illus., \$10.60. Designed to assist scientists, engineers and technologists in developing skills in communications and reporting.

**BETWEEN THE PLANETS**—Fletcher G. Watson—*Doubleday*, rev. ed., 224 p., illus., photographs, paper, \$1.25. Reprint (1956) of astronomer's readable story about comets, asteroids, meteors and meteorites.

**THE BRITISH JOURNAL OF SOCIAL AND CLINICAL PSYCHOLOGY**, Vol. 1, Part 1—Michael Argyle and Jack Tizard, Eds.—*Cambridge*, 80 p., paper, \$3.50; three parts per year, \$8.50 annually. This first issue contains articles on the nature of intellectual deficit in schizophrenia, institutionalism in mental hospitals, and maternal attitudes to child socialization.

**CEREBRAL SPHINGOLIPIDOSES: A Symposium on Tay-Sachs' Disease and Allied Disorders**—Stanley M. Aronson and Bruno W. Volk, Eds.—*Academic Press*, 456 p., illus., \$18. Contributions by scientists from many countries, dealing with morphologic and biochemical studies, and genetic and therapeutic aspects of the sphingolipidoses.

**CONSERVATION IN AMERICA**—Dorothy Childs Hogner—*Lippincott*, 240 p., illus. by Nils Hogner, \$3.75. The story of our natural resources and the efforts made to preserve them for future generations.

**DOES OVERPOPULATION MEAN POVERTY? The Facts about Population Growth and Economic Development**—Joseph Marion Jones, foreword by Eugene R. Black—*Center for International Economic Growth*, 64 p., illus., paper, 75¢ direct to publisher, 1720 Rhode Island Ave., NW, Washington 6, D.C. Outline of statistical facts and policy statements.

**THE DROP-OUTS: A Treatment Study of Intellectually Capable Students Who Drop Out of High School**—Solomon O. Lichter and others—*Free Press*, 302 p., \$5.50. Concentrated study-in-depth of 105 Chicago students, discusses the problems of counseling, treatment of youngsters and their parents, and presents conclusions.

**EARLY MAN IN THE NEW WORLD**—Kenneth Macgowan and Joseph A. Hester, Jr.—*Doubleday*, rev. ed., 333 p., drawings by Campbell Grant, paper, \$1.45. Reprint (1950).

**EMPLOYMENT OPPORTUNITIES IN THE ATOMIC ENERGY FIELD**—Bureau of Labor Statistics—*OTS*, 48 p., illus., paper, 50¢. Brief descriptions and employment outlook in major scientific, engineering, technician and skilled occupations in the atomic energy field.

**THE EVOLUTION OF LIFE**—F. H. T. Rhodes—*Penguin Bks*, 302 p., illus., paper, \$1.45. A readable and comprehensive account of the history of living things, for the general reader and student.

**GAS POWER DYNAMICS**—Alexander D. Lewis—*Van Nostrand*, 535 p., diagrams, \$9.75. Intended to be a text or reference in the field of thermodynamics of gas power.

**GRAND CANYON**—Joseph Wood Krutch—*Doubleday*, 252 p., photographs, maps, paper, \$1.25. Reprint (1958).

**GUIDING CREATIVE TALENT**—E. Paul Torrance—*Prentice-Hall*, 278 p., illus., \$6.65. Describes problems resulting from expression as well as repression of creative abilities, and gives guidance in assessing and developing creative talent in children.

**HANDBOOK OF NORTH AMERICAN BIRDS**, Vol. 1: Loons through Flamingos—Ralph S. Palmer, Ed.—*Yale Univ. Press*, 567 p., illus., color plates, maps, \$15. First of a new multi-volume definitive reference work bringing together up-to-date, complete accounts of all the birds found

in North America north of Mexico, including Greenland and Bermuda.

**HANDBOOK ON BROAD-LEAVED EVERGREENS**—Brian O. Mulligan, Ed.—*Brooklyn Botanic Garden*, 97 p., illus., paper, \$1. Expert discussion of more than a hundred widely used trees, shrubs, vines and ground covers, from nine geographical regions in the U.S.

**HEAT ENGINES**—John F. Sandfort—*Doubleday*, 293 p., illus., paper 95¢. The story of thermodynamics in theory and practice.

**HOW TO SURVIVE THE H-BOMB AND WHY**—Pat Frank—*Lippincott*, 160 p., \$2.95. Journalist reviews preparedness, deterrent policy and civil defense, and gives his views on what to do about the latter.

**INORGANIC REACTIONS AND STRUCTURE**—Edwin S. Gould—*Holt*, rev. ed., 513 p., \$6.50. Text for advanced undergraduate or beginning graduate students.

**INTRODUCTION TO EVOLUTION**—Paul Amos Moody—*Harper*, 2nd ed., 553 p., illus., \$7.50. Presents basic facts for the general reader and beginning student.

**INTRODUCTION TO PROBABILITY AND MATHEMATICAL STATISTICS**—Howard G. Tucker—*Academic Press*, 228 p., \$5.75. Textbook for undergraduate mathematics majors having knowledge of calculus.

**INTRODUCTORY ZOOLOGY**—Lincoln Coles Pettit—*Mosby, C. V.*, 619 p., illus., photographs, \$7.50. Textbook compiled for the beginning student in Zoology.

**INVITATION TO MATHEMATICS**—William H. Glenn and Donovan A. Johnson—*Doubleday*, 373 p., illus., \$4.95. Deals with numbers in an entertaining way in chapters on measurement, graphing, computing short cuts and devices, and statistics.

**LABORATORY MANUAL OF MICROBIOLOGY: For Professional Students in the Medical Sciences**—George L. Peltier and Keith H. Lewis—*Macmillan*, 3rd ed., 176 p., illus., paper, \$3.50. Essential exercises emphasizing functional approach.

**LABORATORY TEXT IN ORGANIC CHEMISTRY**—James Cason and Henry Rapoport—*Prentice-Hall*, 2nd ed., 514 p., illus., \$7.95. Extensively revised text, presents modern methods used for synthesis, separation and identification of organic compounds.

**THE LADY BE GOOD: Mystery Bomber of World War II**—Dennis E. McClendon—*Day*, 192 p., photographs, maps, \$3.95. Pieces together the dramatic story of the mysterious fate of the bomber that failed to return to its base, but was found 16 years later perfectly preserved in the Libyan desert.

**LET'S EXPERIMENT! Chemistry for Boys and Girls**—Jacqueline Harris Straus—*Harper*, 54 p., illus. by Leonard Kessler, \$2.50. Addressed to very young experimenters at home.

**MAGNETISM AND MAGNETIC MATERIALS: Proceedings of the Seventh Conference**—J. A. Osborn, Ed.—*AIP (Plenum Press)*, 375 p., illus., \$12.50. Papers on magnetic devices, thin films, spin configurations, magnetization, oxides, rare earths, permanent magnets, antiferromagnetism and resonance.

**MASTERY OF THE METROPOLIS**—Webb S. Fiser—*Prentice-Hall*, 168 p., paper, \$1.95. Attempts to provide perspective on our metropolitan problems.

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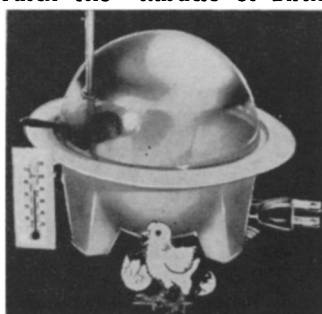
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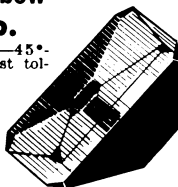
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**THE NECESSITY FOR CHOICE:** Prospects of American Foreign Policy—Henry A Kissinger—*Doubleday*, 387 p., paper, \$1.45. Reprint (1961).

**THE NEW CASSELL'S FRENCH DICTIONARY:** French-English; English-French—Rev. by Denis Girard with Gaston Dulong, Oliver Van Oss and Charles Guinness—*Funk*, 1,417 p., \$7.50; thumb-indexed, \$8.50. Complete revision has broadened classical dictionary's scope by including today's vocabulary of recent scientific, economic and cultural developments.

**ORNAMENTAL SHRUBS OF CALIFORNIA**—Leonid Enari—*Ward Ritchie Press*, 214 p., illus., \$5.95. Glossary of botanical terms, analytical key, descriptive list of species, indexes of botanical and common names.

**OSTRACOD TAXONOMY**—Henry V. Howe—*La. State Univ. Press*, 366 p., \$10. Reference to 1,936 generic and suprageneric entries, including information from extensive Russian works in micropaleontology.

**THE OVARY, Vol. I**—Sir Solly Zuckerman, Ed., with Anita M. Mandl and Peter Eckstein—*Academic Press*, 619 p., illus., \$22. Treatise for the research worker, covering the development, structure and function of the vertebrate ovary, with special reference to mammals.

**THE SATURDAY MORNING GARDENER: A Guide to Easy Maintenance**—Donald Wyman—*Macmillan*, 236 p., 123 photographs, maps, \$7.50. Recommends short cuts, methods of procedure and 1,000 low-maintenance plants suitable for the northern and central United States.

**THE SIOUX INDIANS: Hunters and Warriors of the Plains**—Sonia Blecker—*Morrow*, 160 p., illus., by Kisa Sasaki, \$2.75. For boys and girls.

**THE STORY OF MAN: From the First Human to Primitive Culture and Beyond**—Carleton S. Coon—*Knopf*, rev. 2nd ed., illus. by Richard Albany, photographs by Reuben Goldberg, \$7.50. A history of the human species, its customs, beliefs and groupings during 50,000 years of growth and change, for the general reader.

**SUNKEN TREASURE**—Pierre de Latil and Jean Rivoire, transl. from French by Denise Polliot—*Hill & Wang*, 276 p., maps, photographs, \$5.95. Documented accounts of the quest for treasure among shipwrecks.

**TOPICS IN MODERN ALGEBRA**—Charles P. Benner and others—*Harper*, 144 p., \$3.75. Introduces student to selected topics of abstract algebra, such as vector spaces, matrices, linear programming and Boolean algebras.

**UNIFIED ALGEBRA AND TRIGONOMETRY**—Dick Wick Hall and Louis O. Kattsoff—*Wiley*, 455 p., \$6.75. Text develops trigonometry as an integral part of algebra, and application of algebraic concepts.

• Science News Letter, 81:332 May 26, 1962

## Do You Know?

World production of *flaxseed* in 1961 was estimated at 116.5 million bushels.

A continuous air-monitoring program to provide vital information on *air-pollution* levels in American cities has been established.

*Magnesium* is used as an aluminum alloy, and as a reducing agent in the production of titanium, zirconium, hafnium, uranium and beryllium.

Measurements of *fog drip* made in the Hawaiian Islands, Tasmania and South Africa have totaled as much as 10 or 20 inches of moisture per month.

• Science News Letter, 81:333 May 26, 1962

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