

# Books of the Week

For the editorial information of our readers, books received for review since last week's issue 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. Request free publications direct from publisher, not from Science Service.

**ALASKA WILD FLOWERS**—Ada White Sharples—*Stanford Univ. Press*, illus., \$3.75. Reprint of 1938 edition.

**ALCOHOL IN ITALIAN CULTURE: Food and Wine in Relation to Sobriety among Italians and Italian Americans**—Giorgio Lolli and others—*Free Press and Yale Center of Alcohol Studies*, 140 p., \$4. Scientific study of drinking patterns.

**THE AMERICAN LABOR FORCE: Its Growth and Changing Composition**—Gertrude Bancroft—*Wiley for the Social Science Research Council*, 256 p., \$7.50. Detailed examination of the vast changes that have occurred, particularly in the last two decades.

**ANGLER'S GUIDE TO THE SALT WATER GAME FISHES: Atlantic and Pacific**—Edward C. Migdalski—*Ronald*, 506 p., illus., \$7.50.

**BEGINNERS' BOOK OF ASTRONOMY**—John Sternig—*McBride Co. (Taplinger Pub. Co.)* 162 p., illus., \$3.75. Introduces young people to the "geography" of space travel.

**THE BOOK OF SMALL MAMMALS**—Ted S. Pettit—*Garden City Bks*, 56 p., illus. by G. Don Ray, \$2.95. A picture book for the young with accurate information.

**BRITISH BIRDS**—F. W. Frohawk, preface by J. D. Macdonald—*Abelard-Schuman*, 256 p., illus., \$5. Describes more than 200 species.

**COLLEGE TEACHING BY TELEVISION**—John C. Adams, C. R. Carpenter and Dorothy R. Smith, Eds.—*Am. Council on Education*, 234 p., \$4. Report on a Joint Conference with Pennsylvania State University.

**CREATIVE THINKING**—Charles S. Whiting—*Reinhold*, 168 p., \$3.95. Examines operational techniques of creative thinking, such as brainstorming.

**DISEASE, LIFE, AND MAN: Selected Essays**—Rudolf Virchow, transl. and introd. by Lelland J. Rather—*Stanford Univ. Press*, 273 p., \$5. Ten essays touching on a wide range of Virchow's medical, scientific and philosophical interests.

**EFFECT OF SURFACE ON THE BEHAVIOUR OF METALS**—G. L. J. Bailey and others—*Philosophical Lib.*, 100 p., illus., \$10. The latest of the refresher courses published for the members of the Institution of Metallurgists, London.

**ELEMENTS OF THE UNIVERSE**—Glenn T. Seaborg and Evans G. Valens—*Dutton*, 253 p., illus., \$3.95. Based on a television series of ten half-hour films on the chemical elements, featuring the Nobelists.

**EMOTIONAL PROBLEMS OF ADOLESCENTS**—J. Roswell Gallagher and Herbert I. Harris—*Oxford Univ. Press*, 174 p., \$3.50. A guide to help parents and teachers to understand normal adolescents and their everyday problems.

**EMOTIONAL PROBLEMS OF CHILDHOOD**—Samuel Liebman, Ed.—*Lippincott*, 176 p. \$5. Directed to the medical practitioner.

**ENZYMES IN BLOOD**—Laurens P. White, Ed.—*N. Y. Acad. of Sciences, Annals* Vol. 75, Art. 1, 384 p., illus., paper, \$5. On enzymes in white and in red blood cells, in platelets, and on the origin of serum enzymes.

**THE FACE OF THE SUN**—H. W. Newton—*Penguin*, 208 p., illus., paper, 85¢. On the observed features of sunspots and their associated phenomena.

**GUM PLASTICS**—M. Stafford Thompson—*Reinhold*, 193 p., illus., \$4.50. Guide to the application of rubber-modified plastics.

**HOAXES**—Curtis D. MacDougall—*Dover*, rev. ed., 338 p., illus., paper, \$1.75. Updated account of how forgers, swindlers and impostors have thrived on human gullibility.

**I SAILED WITH RASMUSSEN**—Peter Freuchen, transl. from Danish by Arnold Anderson—*Messner*, 224 p., illus., \$3.95. The late author's personal story of his 14 years with the explorer.

**THE ILLUSTRATED LIBRARY OF THE NATURAL SCIENCES**, 4 Vols.—Am. Museum of Natural Hist., Edward M. Weyer, Jr., Ed.—*Simon & Schuster*, 3042 p., art dir. Frederick L. Hahn, \$25, until Christmas \$19.95. Gives the layman an instructive view of a broad field of knowledge, ranging from aardvark to X-rays of flowers, from antibiotics to snowflakes.

**INTEGRAL EQUATIONS**—F. Smithies—*Cambridge Univ. Press*, 172 p., paper, \$4.50. Devoted entirely to non-singular linear integral equations.

**THE INTEGRATION OF HUMAN KNOWLEDGE: A study of the Formal Foundations and the Social Implications of Unified Science**—Oliver L. Reiser—*Porter Sargent*, 478 p., \$8. Exploratory survey of a synthesis of science and philosophy.

**MAN'S WORLD OF SOUND**—John R. Pierce and Edward E. David, Jr.—*Doubleday*, 287 p., illus., \$5. Synthesis of discoveries in acoustics, electronics and psychology related to man's use of sound in communication.

**MODERN HYPNOSIS**—Lesley Kuhn and Salvatore Russo, Eds., foreword by Melvin Powers, introd. by André Weitzenhoffer—*Wilshire Bk*, 349 p., \$5. Anthology of contributions made in the past 25 years.

**NUCLEAR METALLURGY, Vol. V: A Symposium on the Fabrication of Fuel Elements**—D. R. Stenquist and others—*Metallurgical Soc. of AIME*, 84 p., illus., paper, \$6. Papers on ceramic base elements, and metal base fuels and jacket components.

**NUCLEAR PROCESS HEAT IN INDUSTRY**—George Perazich—*Nat. Planning Assn.*, 44 p., paper, \$1.25. Analysis of potential uses of nuclear reactors for the production of energy suitable for processing raw materials, rather than for electricity.

**THE PEOPLE OF THE DEAD SEA SCROLLS: In Text and Pictures**—John Marco Allegro—*Doubleday*, 192 p., 189 photographs, \$5. Pictorial record of location and finds.

**PHOSPHORUS AND ITS COMPOUNDS, Vol. I: Chemistry**—John R. Van Wazer—*Interscience*, 954 p., illus., \$27.50. Presents phosphorus chemistry without differentiating between the inorganic and the organic chemistry of phosphorus.

(Continued on page 334)

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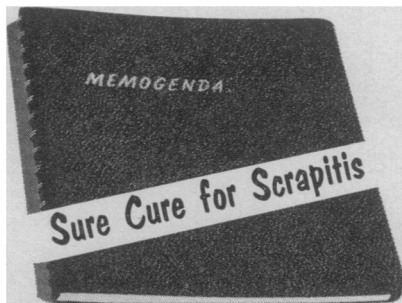


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(Continued from page 332)

**POPULAR ELECTRONICS' ELECTRONIC KITS 1959**—David A. Findley, Ed.—Ziff-Davis, 162 p., illus., paper, \$1. Builder's guide and directory.

**PUNCHED CARDS: Their Application to Science and Industry**—Robert S. Casey and others, Eds.—Reinhold, 2nd ed., 697 p., \$15. The rapid growth of the field is reflected in the extension of the practical applications section from 186 pp. in the 1951 edition to 295 pp.

**ROCKETS, SATELLITES AND SPACE TRAVEL**—Jack Coggins and Fletcher Pratt, edited by Willy Ley—Random House, rev. ed., 64 p., illus. by J. Coggins, \$1.95. 1951 edition brought up to date.

**THE RUSSIANS IN THE ARCTIC: Aspects of Soviet Exploration and Exploitation of the Far North, 1937-57**—Terence Armstrong—Essential Bks, 182 p., illus., \$4.50. Collection of accounts of events in the Soviet Arctic, based on publications in the Soviet Union.

**SATELLITE DATA AND ANALYSES, Special Report No. 18**—G. F. Schilling, Ed.—Smithsonian Astrophysical Observatory, 49 p., paper free upon request direct to publisher, Cambridge 38, Mass. Includes report on atmospheric densities from Explorer IV.

**SCIENCE AND THE MODERN MIND: A Symposium**—Gerald Holton, Ed.—Beacon Press, 110 p., \$3.95. Nine essays on the influence which science has had upon our image of the universe within and around us.

**SEROLOGICAL AND BIOCHEMICAL COMPARISONS OF PROTEINS**—William H. Cole, Ed.—Rutgers Univ. Press, 119 p., illus., \$2. Proceedings of the Fourteenth Annual Protein Conference.

**SOILS FOR THE ARCHAEOLOGIST**—I. W. Cornwall—Macmillan, 230 p., illus., \$7.50. What the archaeologist needs to know about the matrix in which he finds his artifacts.

**THE TEACHING AND LEARNING OF PSYCHOTHERAPY**—Rudolf Ekstein and Robert S. Wallerstein—Basic Bks, 334 p., \$6.50. About the theory and technique of the supervisory process in training psychiatrists.

**TRIFLUOPERAZINE: Clinical and Pharmacological Aspects**—Frank J. Ayd, Jr. and others, introd. by Henry Brill—Lea & Febiger, 219 p., \$3.50. New drug proving effective in treating psychotic and neurotic disorders.

**THE UFAW HANDBOOK ON THE CARE AND MANAGEMENT OF LABORATORY ANIMALS**—Alastair N. Worden, and W. Lane-Petter, foreword by Sir Harold Himsworth—Universities Federation for Animal Welfare, 2nd ed., 951 p., illus., \$10. On the efficient and humane handling of the many different species of laboratory animals.

**USING ELECTRONICS: A Book of Things to Make**—Harry Zarchy—Crowell, 117 p., illus. by author, \$2.50. Basic procedures and experiments.

**WATER AND THE CYCLE OF LIFE**—Joseph A. Cocannouer—Devin-Adair, 143 p., \$3. On the importance of quality water to soil, plants, animals, and man.

**WHAT WE DO KNOW ABOUT HEART ATTACKS**—John W. Gofman—Putnam, 180 p., \$3.50. Tells what heart disease is and explains the why and wherefore of some of the treatment and preventive measures advised by physicians.

**WINTER-SLEEPING WILDLIFE**—Will Barker, foreword by Ernest F. Swift—Harper, 136 p., illus. by Carl Burger, \$3. A book on hibernation to be enjoyed by the whole family.

**YOUNG THOMAS EDISON**—Sterling North—Houghton, 182 p., illus. by William Barss, \$1.95. Biography for young people.

Science News Letter, November 22, 1958

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