

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenience purchase of any U. S. Book in print, priced at 95¢ or over, 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.

ATOMS, MOLECULES, AND CHEMICAL CHANGE—Ernest Grunwald and Russell H. Johnsen—*Prentice-Hall*, 252 p., illus., \$6. Introductory text for non-science majors, emphasizes structure of matter and the chemical consequences of that structure.

BASEBALL: The Early Years—Harold Seymour—*Oxford Univ. Press*, 373 p., illus., \$7.50. A thorough study of the beginnings and development of the national sport.

BASIC CONCEPTS OF ELEMENTARY MATHEMATICS—William L. Schaaf—*Wiley*, 386 p., illus., \$5.50. Supplies the mathematical background needed by elementary school teachers of arithmetic, by showing *why* mathematical operations work.

A BEGINNER'S GUIDE TO THE SKIES—R. Newton Mayall and Margaret W. Mayall—*Putnam*, 184 p., illus., \$2.50. Intended to help the interested novice to become better acquainted with the night sky.

BEST BOOKS FOR CHILDREN: Including Adult Books for Young People—Mary C. Turner, Ed.—*Bowker*, 2nd ed., 207 p., paper, \$2. Section on science and nature books for beginning readers, and science books for young people, listed by categories.

A BIOGRAPHICAL CHECKLIST AND INDEX TO THE PUBLISHED WRITINGS OF ALBERT EINSTEIN—Nell Boni, Monique Russ and Dan H. Laurence—*Pageant Bks (N. J.)*, 84 p., illus., \$6. Chronological listing in three parts: Scientific

writings, general writings, and selected interviews.

A COPYRIGHT GUIDE—Harriet F. Pilpel and Morton David Goldberg—*Bowker* with Copyright Soc. of the U.S.A., 40 p., paper, \$2. General background information on U.S. statutory copyright, in question and answer form.

DOCTOR IN BOLIVIA—H. Eric Mautner—*Chilton Co.*, 331 p., \$5.95. Austrian refugee doctor's experiences in bringing modern medicine to the people in the Bolivian jungle.

THE DYMATION WORLD OF BUCKMINSTER FULLER—Robert W. Marks—*Reinhold*, 232 p., illus., \$12. Complete presentation of Mr. Fuller's ideas, geodesic structures, and other technological innovations, copiously illustrated with drawings and photographs.

THE EDDYSTONE LIGHT—Fred Majdalany—*Houghton*, 215 p., illus., \$4. Story of the famous lighthouse in the English Channel.

THE EDGE OF OBJECTIVITY: An Essay in the History of Scientific Ideas—Charles Coulston Gillespie—*Princeton Univ. Press*, 562 p., \$7.50. Review of the personalities who have carried forward the objective description of nature.

THE FORESEEABLE FUTURE—Sir George Thomson—*Viking*, 166 p., paper, 95¢. Predictions of advances in technology we may expect in the next hundred years. Reprint of 1955 edition.

FROM ATOMOS TO ATOM: The History of the Concept Atom—Andrew G. Van Melsen—

Harper, 240 p., paper, \$1.45. The evolution of the atomic theory from Greek philosophical origins to particle physics, a work that first appeared in Dutch in 1949.

MOLLUSCAN FAUNAS OF THE FLAGSTAFF FORMATION OF CENTRAL UTAH—Aurele La Rocque—*Geological Soc. of Am.*, Memoir 78, 100 p., illus., \$4.50. Examines the paleoecology of the Flagstaff lake from late Paleocene to its extinction in Eocene time.

THE MOON: Earth's Natural Satellite—Franklyn M. Branley—*Crowell*, 114 p., illus. by H. K. Wimmer, \$3.50. Discusses the moon's motions, pull, temperature, atmosphere, and man's instruments for measuring these. For young people.

NARVIK—Captain Donald Macintyre—*Norton*, 224 p., photographs, maps, \$3.95. Detailed account of World War II Norwegian campaign which was first to employ sea, land and air arms in cooperation.

NEWS AROUND THE CLOCK: Press Associations in Action—Phil Ault—*Dodd*, 179 p., illus. by Frank Nicholas, \$2.75. The story of the business of gathering and transmitting the news, for young people.

NORTH AMERICAN GAME FISHING GUIDE—Joe Godfrey, Ed.—*Hammond*, 30 x 22 map, illus., \$1.95. Depicts principal locations of fresh and salt water fish and fishing places.

101 WAYS TO USE YOUR HAM TEST EQUIPMENT—Robert G. Middleton—*Sams*, 168 p., illus., paper, \$2.50. About grid-dip meters, VOM tests, oscilloscope and bridge tests.

ORDER, GOODNESS, GLORY: The Riddell Memorial Lectures 1959—W. A. Whitehouse—*Oxford Univ. Press*, 83 p., \$1.55. On Christian interest in natural science, and the interpretation of scientific reports about the world.

THE ORIGINS OF MODERN SCIENCE, 1300-1800—H. Butterfield—*Macmillan*, 242 p., paper, \$1.25. Reprint of history of science first published in 1949.

PETROLEUM ENGINEERING: Drilling and Well Completions—Carl Gatlin—*Prentice-Hall*, 341 p., illus., \$13. Examines basic elements and techniques of drilling, testing, formation evaluation and completion.

THE PLASMA PROTEINS, Vol. I: Isolation, Characterization, and Function—Frank W. Putnam, Ed.—*Academic*, 420 p., illus., \$12.50. Authoritative, interpretive, and integrative account of the plasma proteins as a physicochemical system.

POULTRY PRODUCTION—Clarence E. Bundy and Ronald V. Diggins—*Prentice-Hall*, 370 p., illus., \$6.35. Complete guide to latest developments in producing poultry, turkeys, ducks and geese.

PROCEEDINGS OF 1959 SYMPOSIUM ON LOW-TEMPERATURE NUCLEAR PROCESS HEAT—AEC (OTS), 73 p., illus., paper, 75¢.

QUANTITATIVE INORGANIC ANALYSIS—R. Belcher and A. J. Nutten—*Butterworths (Canada)*, 2nd rev. ed., 390 p., illus., \$7. Laboratory manual for students and practising chemists.

RELATION OF ORE DEPOSITION TO DOMING IN THE NORTH AMERICAN CORDILLERA—Edward Wisser—*Geological Soc. of Am.*, Memoir 77, 117 p., illus., maps, \$4.

RELEASE FROM SEXUAL TENSIONS: Toward an Understanding of Their Causes and Effects in Marriage—Mary Steichen Calderone and Phyllis and Robert P. Goldman, foreword by Robert W. Laidlaw—*Random House*, 238 p., \$4.95. Physician advises married couples to help them achieve happiness in their marriage.

RIEMANN SURFACES—Lars V. Ahlfors and Leo Sario—*Princeton Univ. Press*, 382 p., \$10. Introduction to the theory, with emphasis on properties of open surfaces.

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THE SCIENCE OF MEAT AND MEAT PRODUCTS—American Meat Institute Foundation—*Freeman*, 438 p., illus., \$9.60. Presents current scientific knowledge of meat structure, chemistry, microbiology and nutritional values, and describes the science of meat processing and preservation.

THE SCIENTIFIC PAPERS OF SIR GEOFFREY INGRAM TAYLOR, Vol. II: Meteorology, Oceanography and Turbulent Flow—G. K. Batchelor, Ed.—*Cambridge Univ. Press*, 515 p., illus., \$14.50. Of particular interest to meteorologists, oceanographers, geophysicists and other scientists concerned with fluid mechanics.

SECTOR-FOCUSED CYCLOTRONS: Conference Proceedings, 1959—F. T. Howard, Ed.—*Nat. Acad. of Sciences-Nat. Res. Council*, 291 p., illus., paper, \$2.50. Papers covering design, construction and testing of a new type of fixed-frequency cyclotron.

SHACKLETON'S VALIANT VOYAGE—Alfred Lansing—*Whittlesey House*, 220 p., photographs, \$3.95. Abridged edition of original ENDURANCE, without historical background material.

SIR JOHN COCKCROFT—Ronald W. Clark—*Roy Pubs.*, 109 p., photographs, \$2.50. Biography of Britain's atomic scientist, for young people.

SIR VIVIAN FUCHS—Egon Larsen—*Phoenix House (Roy Pubs.)*, 110 p., photographs, \$2.50. Young people's biography of British Antarctic explorer.

SOUTHERN FOREST SOILS—Paul Y. Burns, Ed.—*La. State Univ. Press*, 132 p., illus., \$4. Symposium by experts in forest soil research.

THE STARS—W. Kruse and W. Dieckvoss—*Univ. of Mich. Press*, 202 p., illus., paper, \$1.95. Reprint of short astronomy exclusive of the solar system, for general reader.

THE THEORY OF OPTICS—Paul Drude, transl. from German by C. Riborg Mann and Robert A. Millikan—*Dover*, 546 p., paper, \$2.45. Unabridged reprint.

THIS LAND OF OURS: Community and Conservation Projects for Citizens—Alice Harvey Hubbard—*Macmillan*, 272 p., \$4.95. Suggests and describes actual conservation projects for civic-minded groups.

UNDERSTANDING JUVENILE DELINQUENCY—Lee R. Steiner—*Chilton Co.*, 199 p., \$3.95. Psychologist tries here to give an understanding of a serious social problem of our time.

UNDERSTANDING MICROWAVES: Abridged Reprint—Victor J. Young—*Rider*, 292 p., paper, \$3.50. Original edition published in 1946.

THE VIKINGS—Johannes Bronsted, transl. by Estrid Bannister Good—*Penguin Bks*, 320 p., illus., paper, \$1.25. History of Viking voyages, customs, arts and industries.

VIRUS—Wolfhard Weidel—*Univ. of Mich. Press*, 159 p., illus., paper, \$1.95. Tells what viruses are, how they behave, and explains the crucial place of viruses in solving the puzzle of life processes.

WOMAN DOCTOR OF THE WEST: Bethenia Owens-Adair—Helen Markley Miller—*Messner*, 191 p., \$2.95. Juvenile biography.

THE WONDERFUL STORY OF YOU: Your Body, Your Mind, Your Feelings—Benjamin C. and Sidonie M. Gruenberg—*Garden City Bks*, 182 p., illus. by Lee J. Maes, \$2.95. Human physiology and anatomy for young people, stressing individual growth.

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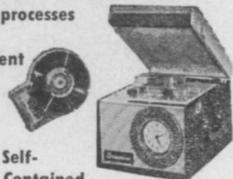
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POWER AND ENERGY by Dr. Noemie Benczer-Koller and Dr. Earl Leonard Koller. The concepts of power and energy are vital to an understanding of the world we live in. Both authors are engaged in nuclear energy research at Columbia University and are eminently qualified to explain their material.

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