

Books of the Week

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THE ATOMIC NUCLEUS—M. Korsunsky, transl. from Russian by G. Yankovsky—Dover, 413 p., illus., paper, \$2. Reprint (1958).

EL BAJO DE SANTA FE—Ursula M. Cowgill and G. E. Hutchinson—Am. Philosophical Soc., 51 p., illus., paper, \$1.75. Examines in minute detail material from pit near Tikal for evidence of the causes of the collapse of Maya culture.

CLASSICS IN THE THEORY OF CHEMICAL COMBINATION—O. Theodor Benfey, Ed.—Dover, 191 p., illus., paper, \$1.85. Papers present the major steps in the development of the valence concept in chemistry.

DAVID SARNOFF: Putting Electronics to Work—John Tebbel—Encyclopaedia Britannica Press, 191 p., photographs, \$2.95. Career story in the radio communication field, for young people.

DEVELOPMENT ADMINISTRATION: Concepts and Problems—Irving Swerdlow, Ed.—Syracuse Univ. Press, 162 p., \$3.95. Examines the major problems of public administration in new and developing countries.

THE ELECTRON: Its Isolation and Measurement and the Determination of Some of its Properties—Robert Andrews Millikan, introd. by Jesse W. M. DuMond, Ed.—Univ. of Chicago Press, 268 p., illus., \$6. Facsimile of classic work describing the Nobel Prize winner's researches, with 57-page new introduction paying tribute to the man and scientist.

THE ENGINEERS AND THE PRICE SYSTEM—Thorstein Veblen, new introd. by Daniel Bell—Harcourt, 151 p., paper, \$1.95. First published in 1921.

ETHNIC PATTERNS IN AMERICAN CITIES—Stanley Lieberman, foreword by Philip M. Hauser—Free Press, 230 p., \$4.95. Comparative study using data from ten urban centers.

THE EVOLUTION AND ERADICATION OF INFECTIOUS DISEASES—Aidan Cockburn—Johns Hopkins Press, 255 p., photographs, \$7.50. Presents theories on how infectious diseases develop, the spread of epidemics in past ages, and summarizes outlook for world eradication of smallpox, malaria, cholera, polio and the trichomonas.

EXPERIMENTS WITH MACHINES AND MATTER—Harry Sootin—Norton, 93 p., illus. by Frank Aloise, \$3. Experiments for young boys and girls, using inexpensive materials and relating the experiments to the scientific principles involved.

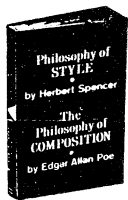
FAMOUS PIONEERS—Franklin Folsom—Harvey House, 251 p., illus. by Joseph Papin, \$3.50. Hand-some book for boys about early explorers of this country.

FLIGHT—Jacques F. Ormond, preface by Jean Cocteau—Hill & Wang, 105 p., 92 photographs by author and others, \$6.95. On photographing birds in flight, with beautiful pictures of soaring birds and planes.

FORMAL THEORIES OF MASS BEHAVIOR—William N. McPhee—Free Press, 244 p., \$5.95. Studies of five theories of mass behavior in mass social situations expressed in mathematical or computer language.

FUEL CELLS—Editors of Chemical Engineering Progress—Am. Inst. of Chem. Engineers, 95 p., illus., paper, \$7.50. A technical manual describing experimental results, problems and potential of fuel cells in industry.

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YOUR SKIN AND ITS CARE

By H. T. Behrman, M.D., and O. L. Levin, M.D. Two dermatologists give you the up-to-date scientific facts. They tell you in detail exactly what to do to beautify and improve your skin, how to avoid or correct skin disorders, and how to deal with many skin problems as: Daily care of the face • allergies • cosmetics • pimples • blackheads • acne • whiteheads • cysts • boils • oily skin • dry skin • chapping • poison ivy • cold sores • hives • superfluous hair • ringworm • moles • birthmarks • scars • warts • tumors • skin cancer • excessive sweating • etc., etc. "Accurate, unvarnished story of practical skin care."—Connecticut State Medical Journal. Price \$3.50 Postfree • 5-day Money-Back Guarantee EMERSON BOOKS, Inc., Dept. 903-M, 251 W. 19th Street, New York 11.

THE FUNDAMENTALS OF WELL LOG INTERPRETATION—M. R. J. Wyllie—Academic Press, 3rd ed., 234 p., diagrams, \$7. Primarily devoted to electric logging and methods of interpreting electric logs, book also treats newer logging techniques, some still in the experimental stage.

GEORGE BERNARD SHAW ON LANGUAGE—Abraham Tauber, Ed., foreword by Sir James Pitman—Philosophical Lib., 205 p., \$4.75. Selections from Shaw's writings on spelling and alphabet reform, and articles about Shaw.

GERMFREE LIFE AND GNOTOBIOLOGY—Thomas D. Luckey—Academic Press, 512 p., illus., \$17.50. Treats the theory and general aspects of germfree research, provides a summary of germfree work in all phyla, and discusses characteristics of germfree animals. Monograph includes chronology and glossary.

GOLD AND GODS OF PERU—Hans Baumann, transl. from German by Stella Humphries—Pantheon Bks., 218 p., illus., \$4.50. Beautifully illustrated book about the ruins of early civilizations in the high Andes and on the coast of Peru.

A HISTORY OF PHYSICS, Vol. 8 of The New Illustrated Library of Science and Invention—Charles-Albert Reichen—Hawthorn Bks., 112 p., designed by Erik Nitsche, 138 illus., \$5.95. Depicts breakthroughs in the history of physics, with many unusual historical illustrations.

ITALIAN CIVIL AND MILITARY AIRCRAFT, 1930-1945—Jonathan W. Thompson—Aero Pubs., 304 p., illus. by author, 550 photographs, \$8.50. A discussion of military, commercial, experimental and private-type aircraft of the period before and during World War II.

THE LAND OF THE ITALIAN PEOPLE—Frances Winwar—Lippincott, rev. ed., 128 p., photographs, map, \$3.25. A portrait of a nation.

LEGIBILITY OF PRINT—Miles A. Tinker—Iowa State Univ. Press, 280 p., \$4.50. Reports and evaluates experimental research on the best use of typographic factors.

THE LONG WHITE LINE: The Story of Abbott Laboratories—Herman Kogan—Random House, 309 p., photographs, \$5.95. Presents for the general reader the achievements and events that contributed to the development of this well known U.S. pharmaceutical company.

MAGNESIUM AND MAGNESIUM COMPOUNDS: A Materials Survey—Hazel B. Comstock—Bureau of Mines (GPO), 128 p., illus., paper, 65¢. Comprehensive reference on the world's lightest structural metal and vital component of missiles.

MODERN METHODS OF ANALYSIS OF COPPER AND ITS ALLOYS—Charles M. Dozinol, transl. by Stephanie L. Man—Elsevier Pub. Co. (N. Y.), 2nd rev. ed., 287 p., illus., \$14.50. A detailed survey of the physical and chemical methods of analysis currently adopted and recommended.

NOW TRY THIS: Projects, Problems, Tests to Accompany Book 4 "Science in Your Life"—Herman and Nina Schneider and Brenda Lansdown—Heath, 156 p., illus., paper, \$1.20. Supplement designed to strengthen the pupil's interest in science.

NUCLEAR SURVIVAL MANUAL: BOSDEC—The Concrete Curtain—James R. Fairlamb—Drexel Winslow & Farrington, 187 p., illus., \$4.95. A proponent of shelters presents in succinct form what is known about the effects of nuclear explosions, and explains his "Bomb shelter in depth concept."

150 PUZZLES IN CRYPT-ARITHMETIC—Maxey Brooke—Dover, 72 p., paper, \$1. An original collection of arithmetical puzzles which operate by substituting letters for numbers.

THE PHYSICAL DIMENSIONS OF CONSCIOUSNESS—Edwin G. Boring—Dover, 251 p., diagrams, paper, \$1.75. Unabridged reprint (1933) with new introduction by author.

POLITICAL PARTIES: Their Organization and Activity in the Modern State—Maurice Duverger, transl. from French by Barbara and Robert North, foreword by D. W. Brogan—Science Editions, 439 p., paper, \$1.65. Reprint (1959) of analysis of modern party structure and party systems in Europe and in the United States.

THE PSYCHOLOGY OF SOCIAL MOVEMENTS—Hadley Cantril—Science Editions, 274 p., paper, \$1.45. Study attempts to establish a systematic framework for the interpretation of such mass movements as the Oxford Group, the Townsendites, Father Divine, lynchings, and the Nazi Party.

RADIOACTIVE DATING: Proceedings of a Symposium held in Athens, 1962—Ingrid U. Olsson and others—IAEA (Int'l Publications, N. Y.), 440 p., illus., \$8.50. Papers and discussions reflect the present status of radioactive dating techniques as they are applied in various disciplines.

RADIOISOTOPES IN HYDROLOGY: Proceedings of a Symposium in Tokyo, 1963—C. G. Clayton and

others—IAEA (Int'l Publications, N. Y.), 359 p., diagrams, paper, \$9. Twenty-seven papers in English or with English abstracts, discussing radioisotope techniques applied to a number of uses important in the design of hydraulic structures.

THE RAS SHAMRA DISCOVERIES AND THE OLD TESTAMENT—Arvid S. Kapelrud, transl. from Norwegian by G. W. Anderson—Univ. of Okla. Press, 91 p., \$3.95. Discusses finds from excavations in Syria and their implications regarding Old Testament scholarship.

THE RAT: A Study in Behavior—S. A. Barnett—Aldine Pub. Co., 288 p., illus., \$7.95. Brings together the principal conclusions on the behavior of rats revealed through research by zoologists, physiologists and experimental psychologists.

RIGHT FROM THE START: The Importance of Early Immunization—Judy Graves—Public Affairs Pamphlets, No. 350, 28 p., illus., paper, 25¢ direct to publisher, 22 E. 38th St., New York 16, N. Y. On the scheduling for immunization of infants and children.

ROBERT GILRUTH: Engineering Space Exploration—Frank Walters—Encyclopaedia Britannica Press, 191 p., photographs, \$2.95. Biography for young people.

THE ROUND OF THE YEAR—Fredric Klees—Macmillan, 278 p., illus. by author, \$5.95. An almanac, viewing the change of seasons from an old stone house in Pennsylvania.

THE SECOND CAREER with Other Essays and Addresses—Wilder Penfield—Little, 189 p., illus., \$5. Collection of essays by renowned neurosurgeon and author of historical novels.

SPACE LAW AND GOVERNMENT—Andrew G. Haley, foreword by Lyndon B. Johnson—Appleton, 584 p., \$15. Comprehensive examination of the complex problems of overflight, limits of national sovereignty, space communications and metalaw.

THE SPELL OF WORDS—John and Joan Levitt—Philosophical Lib., 224 p., \$5. Looks at the English language, historical events and their effects on the language, place names, slang and local dialects.

TELEVISION SERVICE TRAINING MANUAL—Edward F. Rice—Sams, 224 p., diagrams, paper, \$3.95. A practical course in TV troubleshooting.

TYCHO BRAHE: A Picture of Scientific Life and Work in the Sixteenth Century—J. L. E. Dreyer—Dover, 405 p., illus., paper, \$2. Unabridged, corrected republication of the original (1890) edition.

VEGETABLE FIBRES: Botany, Cultivation and Utilization—R. H. Kirby—Hill (Interscience), 463 p., photographs, \$13.50. Up-to-date information on all aspects of productions of flax, hemp, jute, kenaf, kapok and other natural fibres.

WAVES: Pathways of Energy—William Bixby—McKay, 152 p., photographs, diagrams, \$3.50. In non-technical language the book explains how scientists measure and classify different kinds of waves, and shows what properties all waves have in common.

THE WHOLE TRUTH ABOUT ALLERGY—Herman Hirschfeld—Arc Bks., 4th ed., 198 p., illus., paper, 95¢. A guide for the allergy sufferer, written by an experienced allergist.

YOUNG HENRY FORD: A Picture History of the First Forty Years—Sidney Olson—Wayne State Univ. Press, 189 p., 229 photographs, \$9.95. Pictorial excursion into an era and the early years of an American industrialist.

• Science News Letter, 84:396 Dec. 21, 1963

Do You Know?

A miniature *brain cell* that can listen to, understand and react to human commands has been developed.

Patients with acute *leukemia* have been known to survive more than four years; one such patient is still alive and apparently healthy after nearly nine years.

The technique of X-ray study of the breasts has been under investigation by radiologists across the continent as part of an effort to make earlier diagnosis of *cancers* of the breast, the commonest form in women.

Powdered *metal* can be compressed into machine parts with densities as high as 99% of cast metal.

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