

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.

THE CHALLENGE OF SCIENCE EDUCATION—Joseph S. Roucek, Ed.—*Philosophical Lib.*, 491 p., \$10. A systematic effort to synthesize the cross-currents of thinking and the evaluation of educational practices by specialists in the field of science education on all three levels. Notes and bibliographies included.

THE CHEMISTRY AND TECHNOLOGY OF CEREALS AS FOOD AND FEED—Samuel A. Matz, Ed.—*Avi*, 740 p., illus., \$15. Comprehensive treatise on the production, composition and quality characteristics of cereal grains, their manufacture, and the chemical and nutritive properties of the various cereal products.

CONCISE DICTIONARY OF SCIENCE: Physics, Mathematics, Nucleonics, Astronomy and Chemistry—Frank Gaynor—*Philosophical Lib.*, 546 p., \$10. Terminology includes the new subdivisions of the older branches of science, such as enzymology, radiochemistry, high-energy physics, virology and others. For scientists and laymen.

ELEMENTARY ASTRONOMY—Otto Struve, Beverly Lynds and Helen Pillans—*Oxford Univ. Press*, 396 p., illus., \$7. Textbook treating astronomy as an integral part of physics, stressing the principal ideas and laws of physical science as they apply to the entire universe. Prior knowledge of mathematics or physics not required.

ELEMENTS OF CALCULUS AND ANALYTIC GEOMETRY—George B. Thomas, Jr.—*Addison-Wesley*, 580 p., illus., \$7.50. Textbook based on the author's Calculus and Analytic Geometry, revised and reorganized, designed for a one-year course.

THE EMERGENCE OF THE GERMAN DYE INDUSTRY—John Joseph Beer—*Univ. of Ill. Press*, 168 p., \$4.50, paper: \$3.50. Retells the story of the growth of the organic dye industry, how and why it took root in Germany and transformed that nation's scientific research, chemi-

cal technology, education, business, international trade and laws.

THE FAILURE OF ATOMIC STRATEGY & a New Proposal for the Defence of the West—F. O. Miksche—*Praeger*, 224 p., \$4.50. A British Colonel's views on military strategy for the Western world.

FALL OUT: Radiation Hazards from Nuclear Explosions—A. Pirie, Ed., foreword by Bertrand Russell—*MacGibbon (de Graff)*, rev. ed., 176 p., \$3. Includes report on the Windscale Disaster and an analysis of the U. S. Congress report on radioactive fallout and its effects on man.

FEATHERS AND FLIGHT—Clarence J. Hylander—*Macmillan*, 214 p., illus. by author, \$3.95. The story of birds in action, combined with an elementary identification guide. For the young naturalist.

FIND A CAREER IN ELECTRONICS—Wallace West—*Putnam*, 160 p., illus., \$2.75. Explores vocational opportunities in electronics, giving the would-be electronicist advice on how to prepare himself for that career.

FOOD VALUES IN SHARES AND WEIGHTS in Common Servings with Suggestions for Personal Food Needs—Clara Mae Taylor—*Macmillan*, 2nd ed., 116 p., \$4. Book of tables giving nutritive values of foods.

GENERAL CHEMISTRY: A Systematic Approach—Harry H. Sisler, Calvin A. VanderWerf and Arthur W. Davidson—*Macmillan*, 2nd ed., 851 p., illus., \$7.95. Text for chemistry and engineering students, offering a balanced foundation in general chemistry on a logical, inductive basis.

GREEK AND LATIN IN SCIENTIFIC TERMINOLOGY—Oscar E. Nybakken—*Iowa State College Press*, 321 p., \$5.95. Shows the vital role of the classical languages in structuring the technical terms used in the medical and biological sciences.

HOW TO NAVIGATE TODAY—M. R. Hart, rev. by W. A. McEwen—*Cornell Maritime*, 3rd ed., 111 p., illus., paper, \$2.25. Describes simplified method of navigation used by U. S. Navy, after short explanation of the theory of stellar navigation.

THE ILLUSTRATED ENCYCLOPEDIA OF MODERN SCIENCE—The Editors of The United Educator Encyclopedia—*Stuttman*, 1528 p., illus., \$29.95.

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 \$3.00 Postfree • 5-day Money-Back Guarantee EMERSON BOOKS, Inc., Dept. 723-L, 251 W. 19th Street, New York 11.

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Edited and illustrated from a non-technical viewpoint, this is a useful reference work for the layman, with key to intelligent browsing, supplemented by biographies of pioneer scientists.

IMPLANTATION OF OVA. Memoir of the Society for Endocrinology, No. 6—P. Eckstein, Ed.—*Cambridge Univ. Press*, 97 p., illus., \$6. Proceedings of a conference held at the Ciba Foundation, London, November 1957.

THE INCAS of Pedro de Cieza de Leon—Victor Wolfgang von Hagen, Ed., transl. by Harriet de Onis—*Univ. of Okla. Press*, 397 p., illus., \$5.95. Sixteenth century chronicle of the Royal Road of the Incas, describing their customs and history, their folkways and destruction, with introduction by the editor.

AN INTRODUCTION TO ELECTRONICS FOR PHYSIOLOGICAL WORKERS—I. C. Whitfield—*St. Martins*, 2nd ed., 263 p., illus., \$3.75. Basic electronic theory with emphasis placed according to the relevance of each matter to the biologist's viewpoint. For workers in botanical, zoological, medical, agricultural and other laboratories.

INTRODUCTION TO THE NATURAL HISTORY OF THE SAN FRANCISCO BAY REGION—Arthur C. Smith—*Univ. of Calif. Press*, 72 p., illus. by Gene M. Christman, color photographs, paper, \$1.50. Pocket-size guide for field trips.

KNOWLEDGE IS NOT ENOUGH—Samuel B. Gould—*Antioch Press*, 232 p., \$3.50. Fifteen speeches by the president of Antioch College, edited to present a unified philosophy of education, and suggesting ways and means by which current educational problems can be solved.

NATIONAL REGISTER OF SCHOLARSHIPS AND FELLOWSHIPS, Vol. I: Scholarships and Loans—Juvenal L. Angel—*World Trade*, 3rd ed., 435 p., \$13. Lists national scholarships from private organizations and from federal agencies, and geographical scholarships by states.

THE NORTH ALASKAN ESKIMO: A Study in Ecology and Society—Robert F. Spencer—*Smithsonian Inst. (Govt. Print. Off.)*, 490 p., illus., paper, \$2.50. Ethnographic study of the aboriginal North Alaskan Eskimo culture, based on data collected primarily at Barrow.

NOTES OF A SOVIET DOCTOR—G. S. Pondoey, transl. from Russian by Basil Haigh, introd. by Iago Galdston—*Consultants Bureau*, 238 p., \$4.95. A guide to the ethical conduct of the Soviet physician and to medicine in the USSR. Written for Soviet medical students, it gives the Western reader insight into Soviet thinking.

PARTICLE DIFFERENTIAL EQUATIONS OF MATHEMATICAL PHYSICS—H. Bateman—*Cambridge Univ. Press*, new ed., 522 p., paper, \$4.95. Presents solution of the boundary-value problems of mathematical physics by means of definite analytical expressions. First published in 1932.

PSYCHOLOGY—Beeman N. Phillips and M. Vere DeVault—*Steck*, 48 p., illus. by Lee Hart, \$1.75. Concepts of psychology stated in elementary form, for young boys and girls.

RADIATIONS FROM RADIOACTIVE ATOMS IN FREQUENT USE—L. Slack and K. Way—*U. S. Atomic Energy Commission (Govt. Print. Off.)*, 75 p., paper, 55¢. For workers in the biological and medical sciences who are concerned with estimations and calculations of dose.

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ROBERT BOYLE AND SEVENTEENTH-CENTURY CHEMISTRY—Marie Boas—*Cambridge Univ. Press*, 240 p., \$5.50. A study of Robert Boyle's influence on the development of chemistry.

RUSSIAN FOR THE SCIENTIST—John Turkevich and Ludmilla B. Turkevich—*Van Nostrand*, 255 p., illus., \$5.95. Designed for the English-speaking scientist, organized to develop a quick knack for recognition as well as an efficient way of acquiring the necessary Russian to read scientific literature.

SOVIET ASTRONOMY—AJ, Vol. 2, No. 1: A Translation of the Astronomical Journal of the Academy of Sciences of the USSR (Russian Original Vol. 35, No. 1)—Harold F. Weaver, Ed.—*Am. Institute of Physics*, 150 p., illus., paper, \$5; per year (6 issues) starting with Vol. 2, No. 1: \$25, libraries of non-profit degree granting institutions: \$10.

TERMS USED IN ARCHAEOLOGY: A Short Dictionary—Christopher Trent—*Philosophical Lib.*, 62 p., \$2.75. Definitions and explanations of 240 archaeological terms, ranging from Abbevillean to Yucatan, with accent on Britain. For the layman.

ULTRACENTRIFUGATION IN BIOCHEMISTRY—Howard K. Schachman—*Academic*, 272 p., illus., \$8.80. Theory and general description of the ultracentrifuge as a tool for the preparation and separation of proteins, viruses and other sedimentation experiments.

VACATIONS ABROAD, Vol. XI, 1959—*Unesco* (N. Y.), 11th ed., 180 p., paper, \$1.25. Directory of vacation activities, courses and seminars organized in more than 75 countries by about 740 institutions, designed to enable interested persons to become better acquainted with the cultures of other countries.

Science News Letter, June 27, 1959

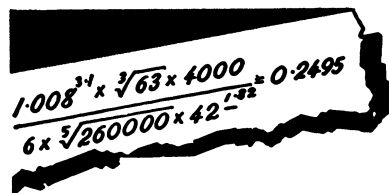
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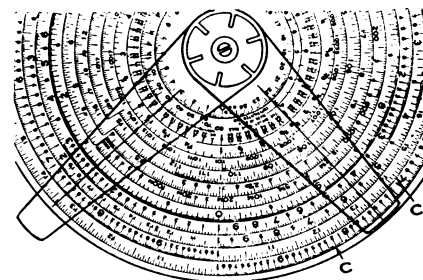
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Do You Know

The most common fish in the sea is a species of *Cyclothone*, a deepwater fish sometimes called *bristlemouth*, rarely seen by the average person.

While the population of the United States increased less than 20% between 1947 and 1957, *hospital* admissions rose about 40%.

One of the greatest rarities in the *bird* world is the mossy-throated bellbird, named for the black and moss-like strings of flesh that hang in a large patch on its throat.

The U. S. Coast Guard has approved an all plastic *lifeboat* after a series of gruelling tests and the boat may now be used on all American-flag cargo and passenger vessels.