

Books of the Week

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THE ACQUISITION OF LANGUAGE—Ursula Bellugi and Roger Brown, Eds.—Child Development Publications, 191 p., diagrams, paper, \$3.50. Report of the Fourth Conference sponsored by the Committee on Intellectual Processes Research of the Social Science Research Council.

AIR SURVEY OF SAND DEPOSITS BY SPECTRAL LUMINANCE—Mariya A. Romanova, transl. from Russian—Consultants, 158 p., diagrams, paper, \$22.50. Gives an account of a method of determining the type composition of sandy deposits from the air by the nature of their reflection of radiant energy.

AKHNATEN: The Rebel Pharaoh—Robert Silverberg—Chilton Bks., 234 p., photographs, map, \$5.50. Reconstructs Egyptian civilization as it was about 3,000 years ago.

ANTHROPOLOGY: A Human Science—Margaret Mead—Van Nostrand, 260 p., paper, \$1.95. Selected papers, 1939-1960, on methods of anthropology, analyses of whole cultures so organized as to gain insight into particular problems, and papers on interdisciplinary aspects of anthropology.

BASIC ASTRONOMICAL DATA—K. Aa. Strand, Ed.—Univ. of Chicago Press, 495 p., diagrams, \$12.50. Leading astronomers and astrophysicists evaluate the data available concerning stellar dynamics and the physical characteristics of stars, such as their spectra, colors, luminosities, temperatures and masses.

BOY'S BOOK OF FISHES—Edward C. Migdalski—Ronald, 172 p., illus., \$5. Basic facts for the amateur ichthyologist.

CATHODE PROCESSES IN THE MERCURY ARC—I. G. Kesae, transl. from Russian, foreword by Jerome Rothstein—Consultants, 345 p., illus., \$17.50. A significant contribution to the understanding of the relation of a plasma to the electrodes bounding and maintaining it.

COMPREHENSIVE ANALYTICAL CHEMISTRY, Vol. IIA: Electrical Methods—Cecil L. Wilson and David W. Wilson with C. R. N. Strouts—Elsevier Pub. Co. (N.Y.), 268 p., illus., \$11. Provides a

working manual on methods of electrochemical analysis, covers electrodeposition, potentiometric, conductometric and high frequency conductometric titrations.

THE CRITICAL APPROACH TO SCIENCE AND PHILOSOPHY—Mario Bunge, Ed., in honor of Karl R. Popper—Free Press, 480 p., portrait, \$9.95. Twenty-nine essays by leading philosophers, scientists and humanists, reflecting Popper's critical rationalism, critical empiricism and critical realism.

THE DEVELOPMENT OF THE USSR: An Exchange of Views—Donald W. Treadgold, Ed.—Univ. of Wash. Press, 399 p., \$6.50; paper, \$2.95. Made up of a series of exchanges of differing views among some of the West's foremost specialists on Russia.

FERTILIZER NITROGEN: Its Chemistry and Technology—Vincent Sauchelli, Ed.—Reinhold, 424 p., illus., \$17.50. Comprehensive monograph on the agricultural and technological phases of the nitrogen industry, with emphasis on developments in synthetic ammonia and its derivatives.

HANDBOOK OF CELL AND ORGAN CULTURE—Donald J. Merchant, Raymond H. Kahn and William H. Murphy, Jr.—Burgess, 2nd ed., 263 p., \$7.50; paper, \$6.25. Laboratory reference manual for the in vitro study of animal cells and tissues, includes recently developed techniques in virology, radiobiology and cancer chemotherapy.

A HANDBOOK OF HEART TERMS—Heart Information Center, National Heart Institute—GPO, 66 p., illus., paper, 30¢ direct to U.S. Govt. Printing Office, Washington, D.C. 20402. Clear definitions in nontechnical language.

INERTIAL GUIDANCE SENSORS—J. M. Slater—Reinhold, 221 p., illus., \$11. A primer on gyros and accelerometers, explaining the principles of operation, characteristic features, and advantages and limitations for particular applications. Written for the nonspecialist.

LIFE HISTORIES OF NORTH AMERICAN WOOD WARBLERS, Parts 1 and 2—Arthur Cleveland Bent—Dover, 734 p., 83 plates, paper, 2 vols., \$2.50 each. Unabridged republication (1953, Smithsonian Institution) of encyclopedic and detailed information about 58 different wood warblers.

LIGHT: Our Bridge to the Stars—John Rublowsky, foreword by Willy Ley—Basic Bks., 146 p., illus., by Nancy Grossman, \$4.50. The story of light and how mankind learned to understand it, from early superstition to the theory of the universal constant.

THE MEASUREMENT OF COLOUR—W. D. Wright—Van Nostrand, 3rd ed., 291 p., illus., \$11. Fully revised textbook, describes the principles, methods, and applications of the trichromatic system of color measurement.

THE MIGHTY HERCULES—Martin Caidin—Dutton, 183 p., photographs, \$3.50. The story of a versatile military airplane, the C-130 TAC transport.

THE MOON: Our Nearest Celestial Neighbor—Zdenek Kopal—Academic Press, 2nd ed., 152 p., illus., \$5.50. Abbreviated popular version of the author's treatment of our present knowledge of the physics and astronomy of the moon.

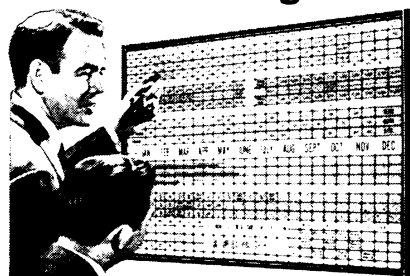
You Can Read Fast!

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To acquaint the readers of this publication with the easy-to-follow rules for developing rapid reading skill, the company has printed full details of their interesting self-training method in a new book, "Adventures in Reading Improvement," which will be mailed free to anyone who requests it. No obligation. Simply send your request to: Reading Improvement Program, 835 Diversey Parkway, Dept. 264B, Chicago, Illinois 60614. A postcard will do.

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THE NEW EUROPE AND ITS ECONOMIC FUTURE—Arnold B. Barach—Twentieth Century Fund (Macmillan), 148 p., graphics by Rudolf Modley, paper, \$1.95. Based on "Europe's Needs and Resources" by J. Frederic Dewhurst and others (1961), with statistics brought up to date.

PIEZOELECTRICITY: An Introduction to the Theory and Applications of Electromechanical Phenomena in Crystals, Vols. I and II—Walter Guyton Cady—Dover, new rev. ed., 822 p., illus., paper, 2 vols., \$2.50 each. Enlarged version of the work first published in 1946.

A PSYCHIATRIC GLOSSARY—Committee on Public Information—Am. Psychiatric Assn., 2nd ed., 79 p., paper, \$1 direct to publisher, 104 E. 25th St., New York, N. Y. 10010. Clear explanations of almost 700 terms, ranging from "abreaction" to "working through."

QUALITATIVE ANALYSIS—Ray U. Brumblay—Barnes & Noble, 185 p., paper, \$1.50. College outline of principles and procedures, with examples, review questions, problems and answers.

QUANTUM MECHANICS—George L. Trigg—Van Nostrand, 395 p., \$9.75. A graduate text, deals with the theoretical structure and mathematical basis of the physical universe, and introduces some of the more elaborate computational aspects of the theory, including the complications of relativity.

RECOMMENDED DIETARY ALLOWANCES, REVISED 1963—Food and Nutrition Board, NAS-NRC—National Dairy Council, 6 p., paper, single copies free upon request direct to publisher, 111 N. Canal St., Chicago, Ill. 60606. General guide lines recommended by nutritionists.

SAVAGE NEW GUINEA—Jens Bierre—Hill & Wang, 165 p., 32 p. photographs in color by author, \$5. Personal experiences during expedition collecting ethnographic material among the primitive tribes of the New Guinea Highlands, with extraordinary illustrations.

• Science News Letter, 86:28 July 11, 1964

Nature Note

Sea Pansies

► THE SEA PANSY, *Renilla kollikeri*, is a marine animal that resembles its namesake in both color and shape.

The bluish-purple creature is actually a colony of creatures, functioning as a unit. The surface of the body contains 200 or more polyp heads, which appear, when contracted, as white spots against the purple. When feeding, each of the eight-tentacled palyps resembles a sea anemone.

Underneath the body is a stem, or peduncle, which is stuck into the sand as an anchor while the colony is resting or feeding.

The sea pansy is carnivorous, capturing tiny animals or larvae by means of stinging cells and a sticky substance which it secretes all over its body. Food taken in by any polyp head will nourish the entire colony.

If the sea pansy is kept in the dark for an hour or so, and is then prodded with a blunt instrument, it will give off a blue phosphorescent light. However, if certain portions of the pansy are masked off so that they are not first exposed to natural light, the darkened areas will glow, but not the areas exposed.

• Science News Letter, 86:28 July 11, 1964

YOUR HAIR

ITS HEALTH, BEAUTY AND GROWTH

BY HERMAN GOODMAN, M.D.

A medical specialist tells you what you can and cannot do to save and beautify your hair, stimulates healthier hair growth, and deal with many problems, as dandruff—gray hair—thinning hair—care of the scalp—baldness—abnormal types of hair—excessive oiliness—brittle dryness—hair falling out—infection—parasites—hair hygiene—glands—diet—coloring—and myriad other subjects concerning hair. "Discusses the many problems of hair retention, regrowth and removal."—SCIENCE NEWS LETTER

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