

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.

ADVANCES IN GEOPHYSICS: Volume 4—H. E. Landsberg and J. Van Mieghem, Eds.—*Academic*, 456 p., illus., \$12. Containing a chapter on the Effects of Meteorites Upon the Earth (Including Its Inhabitants, Atmosphere and Satellites).

AIRPLANE DESIGN MANUAL—Frederick K. Teichmann—*Pitman*, 4th ed., 489 p., illus., \$8.50. Growing out of notes for airplane design courses at New York University.

COLLEGE MATHEMATICS—Kaj L. Nielsen—*Barnes & Noble*, College Outline Series, 302 p., paper, \$1.95. To aid the student in obtaining a birdseye view of college mathematics or to give him a rapid review. Keyed for use with standard textbooks.

COLOR TV: Principles and Practices—*General Electric*, 134 p., illus., paper, \$5. Text for a course on color television and a technical manual for dealers.

COMMON WILD ANIMALS AND THEIR YOUNG—Rita Vandivert—*Dell*, 128 p., illus., with photographs by William Vandivert and drawings by Carl Burger, paper, 50¢. A charming book.

COMPARISON OF THE LARGE-SCALE STRUCTURE OF THE GALACTIC SYSTEM WITH THAT OF OTHER STELLAR SYSTEMS—N. G. Roman, Ed.—*Cambridge Univ. Press*, 73 p., illus., \$3. Discussions at a symposium dealing with the spiral structure of galaxies, with the radio "coronas" found around the galactic system and around

some of the nearer galaxies and the distribution of supergiant stars.

A COMPREHENSIVE DICTIONARY OF PSYCHOLOGICAL AND PSYCHOANALYTICAL TERMS: A Guide to Usage—Horace B. English and Ava Champney English—*Longmans*, 594 p., illus., \$10.75. For students and others who need to know the precise meaning of terms in present use.

CONDUCTANCE CURVE DESIGN MANUAL—Keats A. Pullen, Jr.—*Rider*, 114 p., curves, paper, \$4.25. For engineers and designers.

THE DYNAMICS OF PLANNED CHANGE: A Comparative Study of Principles and Techniques—Ronald Lippitt, Jeanne Watson and Bruce Westley—*Harcourt*, 312 p., \$6. Putting a Sputnik into orbit overhead or a decision of the Supreme Court may catapult us into a far-reaching social change. This work discusses what psychologists have found out about our ability to change with the changing world.

EMPEROR PENGUINS—Jean Ruyolier, translated by Peter Wiles—*Speller*, 131 p., illus., \$3.75. The author was medical officer of a French party that wintered at a remote coastal area of Adeline Land to study the Emperor Penguins.

EMPLOYMENT OUTLOOK IN THE BIOLOGICAL SCIENCES—*Govt. Printing Office*, U. S. Dept. of Labor Bulletin No. 1215-5, 9 p., illus., paper, 15¢. Reprint of a chapter in the 1957 edition of the Occupational Outlook Handbook.

EMPLOYMENT OUTLOOK IN THE PHYSICAL AND EARTH SCIENCES—*Govt. Printing Office*, U. S. Dept. of Labor Bulletin No. 1215-4, 20 p., illus., paper, 20¢. A reprint of a chapter in the 1957 edition of the Occupational Outlook Handbook.

FREE TIME: Challenge to Later Maturity—Wilma Donahue, Woodrow W. Hunter, Dorothy H. Coons and Helen K. Maurice, Eds.—*Univ. of Mich. Press*, 172 p., \$4.50. Pointing to the need to discover the value of leisure and the use of non-working time for creativity.

FROM APE TO ANGEL: An Informal History of Social Anthropology—H. R. Hays—*Knopf*, 455 p., illus. with photographs and drawings by Sue Allen, \$7.50. A novelist describes the fascinating variety of customs in many parts of the world and introduces the scientists who have gathered the data.

GENERAL ZOOLOGY—Gairdner B. Moment—*Houghton*, 632 p., illus., \$7.50. A most attractive textbook.

GENETICS AND THE RACES OF MAN—William C. Boyd—*Boston Univ. Press*, 20 p., paper, 50¢. A lecture given at Boston University in December, 1957.



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HISTORY OF DENTAL LABORATORIES: And Their Contributions to Dentistry—Robert J. Rothstein—*Lippincott*, 277 p., illus., \$7.50. There is hardly a person in the civilized areas of the world who does not require dental prosthetics at some time and so the work of the dental laboratory is important if not glamorous.

INTRODUCTION TO ATOMIC AND NUCLEAR PHYSICS—Rogers D. Rusk—*Appleton*, 482 p., illus., \$7.50. For the first year course in general physics and requiring not more than average mathematical training.

LIFE HISTORIES OF NORTH AMERICAN BLACKBIRDS, ORIOLES, TANAGERS, AND ALLIES—Arthur Cleveland Bent—*Govt. Printing Office*, Smithsonian, U. S. National Museum Bulletin 211, 549 p., illus., paper, \$2.25.

THE LOVE-LIFE OF ANIMALS—Wolfgang von Buddenbrock, translated from the German by J. M. Chaplin—*Crowell*, 207 p., illus., \$4.50. Description of the principles of courtship and mating in insects, birds and vertebrates with a chapter on the care of the young.

MENTAL GROWTH AND PERSONALITY DEVELOPMENT: A LONGITUDINAL STUDY—Lester W. Sontag, Charles T. Baker and Virginia L. Nelson—*Child Development Publications*, 143 p., graphs, \$3. Reporting a study intended to search out the factors in early childhood that lead to intellectual growth during the school years.

NONMETALLIC FERROMAGNETIC MATERIALS AND DEVICES—John M. Blank and others—*Wright Air Development Center (Office of Technical Services)*, 134 p., illus., paper, \$3.75. Reporting work done by the Electronics Laboratory of General Electric.

NUCLEAR RADIATION DETECTION—William J. Price—*McGraw-Hill*, 382 p., illus., \$9. Gathering together the basic information on all important nuclear-radiation detectors in use today.

ONE LANGUAGE FOR THE WORLD—Mario Pei *Devin-Adair*, 294 p., \$5. An illuminating review of the 3,000 natural languages in use and the 600 international languages proposed, with the suggestion that the nations of the world agree by fiat on an international language. (SCIENCE SERVICE in demonstrating through use for abstracts in medical journals and conferences the usefulness of Interlingua as an auxiliary language has taken the attitude that such language should win its way through use rather than by legal adoption.)

ORTHOPSYCHIATRY AND THE SCHOOL—Morris Krugman, Ed.—*Am. Orthopsychiatric Assn.*, 265 p., \$4. To help the educator build mental health in children.

THE PARENTS' GUIDE TO EVERYDAY PROBLEMS OF BOYS AND GIRLS: Helping Your Child from Five to Twelve—Sidonie Matsner Gruenberg—*Random House*, 363 p., graphs, \$4.95. Practical counsel for parents.

PHOTOSENSITORS: A Treatise on Photo-Electric Devices and Their Application to Industry—W. Summer—*Macmillan*, 675 p., illus., \$21. There is hardly any other device so universally applicable as the photosensitizer. Intended as an inventory of present practice.

PHYSICS AND MATHEMATICS IN ELECTRICAL COMMUNICATION—James Owen Perrine—*Rider*,

GEOLOGY HAMMERS

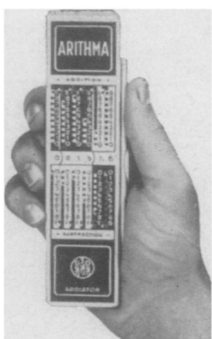
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261 p., illus., \$7.50. In this text, the author states, there are more words, drawings, curves and tables per idea than ordinarily found in technical treatises. This, he believes, facilitates learning.

PRINCIPLES OF PHYSICAL CHEMISTRY—Samuel H. Maron and Carl F. Prutton—*Macmillan*, 3d ed., 789 p., illus., \$8.50. Text for a full year course for students of chemistry and chemical engineering.

PRINCIPLES OF RESEARCH IN BIOLOGY AND MEDICINE—Dwight J. Ingle—*Lippincott*, 123 p., illus., \$4.75. With the "aid of Lewis Carroll and the immortal Alice," the author has emphasized the foibles of the scientist and the difficulties to be recognized in the laboratory and the restrictions to be placed upon ideas.

THE PRINCIPLES OF SEMANTICS—Stephen Ullman—*Philosophical Lib.*, 2d ed., 346 p., \$10. On the theory of meaning in language.

RUSSIAN-ENGLISH GLOSSARY OF AERONAUTICAL AND MISCELLANEOUS TECHNICAL TERMS—*Office of Technical Services*, paper, \$7.

SCIENCE IN DAILY LIFE—Francis D. Curtis and George Greisen Mallinson—*Ginn*, new ed., 580 p., illus., \$4.48. A high-school text on general science intended to train the pupils to think.

SOCIAL CLASS AND MENTAL ILLNESS: A Community Study—August B. Hollingshead and Fredrick C. Redlich—*Wiley*, 442 p., graphs, \$7.50. Report of a research program that revealed that in a community each social class exhibits definite types of mental illness and that each class reacts to mental illness in its members in different ways.

SPACEPOWER: What it Means to You—Donald Cox and Michael Stoiko—*Winston*, 262 p., illus., \$4.50. Dealing mostly with the social and political aspects of space control.

SUGAR: From Scarcity to Surplus—Hubert Edson, foreword by Pieter Honig, arranged by Alfred E. Lewis—*Chemical Pub. Co.*, 224 p., illus., \$5. Describing technical changes that have taken place in the sugar industry in the past 70 years.

TEACHING SCIENCE TO THE ORDINARY PUPIL—K. Laybourn and C. H. Bailey—*Philosophical Lib.*, 415 p., illus., \$10. Although much emphasis has been placed recently on assuring brilliant students a chance to learn science if they are interested, the great majority of students who are just "ordinary" should not be neglected.

USA NATIONAL COMMITTEE OF THE INTERNATIONAL SCIENTIFIC RADIO UNION REPORT TO THE NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL—*Nat. Acad. of Sciences—Nat. Res. Council*, 195 p., paper, \$2.50.

VIRGINIA MINERALS AND ROCKS—R. V. Dietrich—*Virginia Polytechnic Inst.*, 2d ed., Bulletin Engineering Experiment Series No. 122, 57 p., illus., paper, \$1. For the hobbyist rock collector.

YOUR ALLERGY AND YOU: A Handbook of Do's and Don'ts for the Allergy Sufferer—Kay Kempton Haydock, introduction by Horace S. Baldwin—*Holt*, 242 p., \$2.95. Answers given by authorities to questions raised by the author as a patient.

Science News Letter, May 10, 1958

Complete archives of *bird songs* are to be kept by the Hungarian Institute of Ornithology as an extension of its large collection of bird specimens.

Seven tons of rare *fish* were taken from the Gulf of Thailand in the first intensive survey of these waters in more than 100 years.

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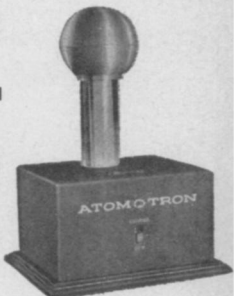
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