

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.

ADMINISTRATION OF RESEARCH: Proceedings of the 11th National Conference—Robert W. Cairns and others—*Pa. State Univ. Press*, 163 p., paper, \$4.50. Conference discussed the problems of the individual scientist and the organization of basic research.

THE ALEUT DENTITION: A Correlative Study of Dental Characteristics in an Eskimoid People—Coenraad F. A. Moorrees—*Harvard Univ. Press*, 196 p., illus., \$4.50. For the odontologist and physical anthropologist, utilizes data gathered during a field survey in 1948.

AUTOMATIC AND SEMIAUTOMATIC PRODUCTION OF ELECTRONIC PACKAGED SUBASSEMBLIES—A. A. Lawson—Melpar for Bureau of Ships (*Office of Technical Services*), 58 p., illus., paper, \$1.50. Final report on the Navy's automated "Mini-Mech".

BAILLERE'S ATLAS OF MALE ANATOMY—Rev. by Katharine F. Armstrong, foreword by Sir Cecil Wakeley, illus. by Douglas J. Kidd—*Bailliere (Williams & Wilkins)*, 4th ed., 34 p., 7 plates, \$3.25.

BUILDING CHILDREN'S SCIENCE CONCEPTS: Experiences with Rocks, Soil, Air, and Water—Mary Sheckles—*Teachers College*, 138 p., illus., paper, \$1.50. Emphasis is on carefully planned experiences to help children develop a "feel" for the forces around them, learn to do straight thinking about them, and develop a social conscience with respect to them.

CAREERS IN INDUSTRIAL ENGINEERING: Opportunities, Preparation Required, Where Employment is Found, Scholarships and Fellowships, Advantages, Disadvantages—Juvenal L. Angel—*World Trade*, 26 p., paper, \$1.

CAREERS IN THE SOCIAL SCIENCES: Areas of

Specialization, Training, Opportunities, Where Employment is Found, Advantages, Disadvantages—Juvenal L. Angel—*World Trade*, 26 p., paper, \$1.

CENTRALIZED INFORMATION SERVICES: Opportunities and Problems—Allen Kent and James W. Perry—*Western Reserve Univ. Press (Interscience)*, 196 p., paper, \$5. Analyzes results of eight surveys investigating the advantages and feasibility of centralized and cooperative information services.

THE CEREBRAL-PALSIED CHILD: A Guide for Parents—Winthrop M. Phelps, Thomas W. Hopkins and Robert Cousins, foreword by Frances R. Horwich, introduction by Dean W. Roberts—*Simon & Schuster*, 237 p., \$3.95. Tells the medical facts you should know, and where to go for help—medical, educational, social.

DESIGN FOR MENTAL HEALTH—Margaret M. Farrar—*N.Y. State Dept. of Mental Hygiene*, 28 p., illus., paper, single copies free upon request direct to publisher, 217 Lark St., Albany, N. Y. The N. Y. Department of Mental Hygiene employs 37,000 persons, over one third of all the state's employees, and requires one third of the state's total operating budget.

EXPLORING THE UNKNOWN: Research at the University of Wisconsin—James A. Larsen, under the direction of Pres. Conrad A. Elvehjem—*Univ. of Wis. News Service*, 94 p., illus., paper, free upon request direct to publisher, Madison 6, Wis. Describes the basic research in an institution where research funds are fluid and co-operation among workers in the various specialized fields is an established tradition.

FUNDAMENTALS OF THERMODYNAMICS—Carroll M. Leonard—*Prentice-Hall*, 376 p., illus., \$8. An introductory course with special application to power plants, refrigeration, air conditioning, heat transfer and flow of fluids.

A GUIDE TO ASTRONOMY—Lloyd Mallan—*Arco*, 132 p., illus., \$2. A reporter's survey of astronomy with many photographs and explanatory diagrams.

HAMMOND'S GUIDE TO THE EXPLORATION OF SPACE—Walter Mesaros, illus.—*Hammond*,

chart 29 x 42 inches, illus., paper, \$1. Depicts solar system, gravity, paths of satellites, etc., with explanatory text.

HEAT EXCHANGERS: Applications to Gas Turbines—W. Hrynyszak—*Academic*, 343 p., illus., \$10. Deals not only with the factors affecting the performance of the heat engine, but also with their effect on the design and cost of other engine components.

HUMAN COMMUNICATION AND GENERAL SEMANTICS—Joseph Mickel—*New Voices*, 102 p., paper, \$2. Includes glossary and bibliography.

THE KINETICS OF VINYL POLYMERIZATION BY RADICAL MECHANISMS—C. H. Bamford and others—*Academic*, 318 p., \$8.80. For chemists interested in the mechanism of free radical reactions and those engaged in the industrial application of vinyl polymerization.

MISSILE ENGINEERING HANDBOOK—C. W. Beserer—*Van Nostrand*, 600 p., illus., \$14.50. Equations, formulas, graphs and tables important in weapons system analysis. Complete glossary of guided missile and space flight terms.

NATIONAL SCIENCE FOUNDATION: Review of the First Eleven Months of the International Geophysical Year—Hearings, Alan T. Waterman and others—*Committee on Appropriations*, 192 p., illus., paper, free upon request direct to publisher, U. S. Congress, Washington 25, D. C. Reports on meteorological and geophysical research, and the satellite program.

THE NEW INTERNATIONAL YEAR BOOK: A Compendium of the World's Progress for the Year 1957—Susan V. Brady, Ed. Dir.—*Funk*, 576 p., illus., \$10.

NUCLEAR MOMENTS:—H. Kopfermann, translated from the German 2nd ed. by E. E. Schneider—*Academic*, 505 p., illus., \$13. Text includes references on recent work up to August 1956. Author and subject index, element index and detailed explanation of symbols.

101 WILDFLOWERS OF SHENANDOAH NATIONAL PARK—Grant and Wenonah Sharpe—*Univ. of Wash. Press*, 40 p., drawings by the authors, paper, \$1. Flowers arranged according to color index, will assist in quickly finding name of flower found.

REACTORS OF THE WORLD—Nuclear Engineering—*Simmons-Boardman*, 12 cut-away drawings and data, paper, \$2.50. Depicts reactors from Canada, Great Britain, Russia and the United States.

REINFORCED PLASTICS DIVISION: 13th Annual Technical and Management Conference—Johan Bjorksten and others—*Soc. of Plastics Industry*, preprint, 627 p., illus., paper, \$7. Includes papers on high temperature performance and new materials. Question-and-answer book follows automatically as soon as printed.

THE SLIDE RULE AND HOW TO USE IT: A Text-Work Book—Hobart H. Sommers, Harry Drell and T. W. Wallenschlaeger—*Follett*, 3rd ed., 208 p., illus., \$1.50. Teaching aid for the training of technical workers and junior engineers.

SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH: Progress Report XI, June 1958—C. P. Rhoads, director—*Sloan-Kettering Inst.*, 28 p., illus., paper, free upon request direct to publisher, 410 E. 68th Street, New York 21, N.Y.

THIS IS ASTRONOMY—Lloyd Motz—*Archer House (Herman & Stephens)*, 250 p., illus., \$3.95. Introduction to modern astronomy for students and amateurs, incorporating the latest discoveries and theories of present-day astro-physics.

VEHICLE PERFORMANCE: As Affected by Pavement Edge Lines and Traffic Signals—Brian J. Lewis and I. L. Thomas, Jr.—*Highway Res. Bd.*, Bull. 178, 20 p., illus., paper, 60¢.

Science News Letter, August 2, 1958

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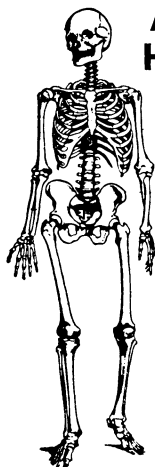
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