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.

AIRPLANE DESIGN MANUAL - Frederick K. Teichmann-Pitman, 4th ed., 489 p., illus., \$8.50. Revised college text for engineers.

CLIMATOLOGY: Reviews of Research-E. L. Deacon and others—UNESCO (Columbia Univ. Press), 190 p., illus., \$5.25. Reports of a symposium on arid zone climatology, with special reference to microclimatology. Bibliographies.

CURRENT RESEARCH AND DEVELOPMENT IN Scientific Documentation, No. 2-Madeline M. Berry, compiler-National Science Foundation, 54 p., paper, free upon request direct to publisher, Washington 25, D. C. Lists all pertinent activities in the United States and a few foreign projects.

CURRENT TRENDS IN HETEROCYCLIC CHEM-ISTRY-Adrien Albert, G. M. Badger and C. W. Shoppee, Eds.—Academic, 170 p., figures, \$5.50. Proceedings of a symposium held at Canberra, Australia. Heterocyclic substances perform im-portant functions in the living cell, as vitamins, co-enzymes, and components of nucleic acid.

DIFFERENTIAL EQUATIONS—Forest Ray Moulton—Dover, 395 p., paper, \$2. Unabridged republication of 1930 edition.

DISTRICT OF COLUMBIA BOARD OF REGISTRA-TION FOR PROFESSIONAL ENGINEERS, 1958 Roster -Robert F. Cogswell, Dir.-Dept. of Occupations and Professions, 94 p., paper, free upon request direct to publisher, 1740 Mass. Ave., N.W., Washington 6, D. C.

Edible Wild Plants of Eastern North AMERICA-Merritt Lyndon Fernald and Alfred Charles Kinsey, rev. by Reed C. Rollins— Harper, rev. ed., 452 p., illus., \$6. Illustrated guide. Discusses edible flowering plants and ferns, excludes mushrooms.

THE EFFECT OF FERROUS SULFATE CONCEN-

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TRATION ON THE YIELD OF OXIDATION OF FER-ROUS ION BY RADIATION OF HIGH LET-Robert H. Schuler—Mellon Institute, 4 p., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa.

EXPERIMENTAL CHEMISTRY—Michell J. Sienko and Robert A. Plane—McGraw-Hill, 213 p., illus., paper, \$3.25. Laboratory manual for college students, stresses the distinction between observation and interpretation.

A FLORA OF SAN FRANCISCO, CALIFORNIA-John Thomas Howell, Peter H. Raven and Peter Rubtzoff—*Univ. of San Francisco*, 157 p., illus., paper, \$3. Reprint of the spring 1958 issue of the Wasmann Journal of Biology.

Frontiers in Cytology-Sanford L. Palay, Ed.—Yale Univ. Press, 529 p., 253 plates, \$9.75. Group of lectures given in memory of the late Dr. Henry Bunting. Bibliographies included.

GARDEN POOLS, WATER-LILIES, AND GOLDFISH —G. L. Thomas, Jr.—Van Nostrand, 222 p., illus., \$5.95. Tells all about water gardens, claimed to be the easiest gardens to maintain.

GENERAL CYTOCHEMICAL METHODS, Vol. 1-J. F. Danielli, Ed.—Academic, 471 p., illus., \$12.80. Survey of methods available in cytochemistry, a field with remarkable possibilities of understanding the chemical structure of cells.

GENETICS: A Survey of the Principles of Heredity—A. M. Winchester—Houghton, 2nd ed., 414 p., illus., \$6.25. College text brought up to date.

A Guide for Evaluating Your Science Facilities: Can They Fulfill Today's Requirements?—Paul DeH. Hurd—Scientific Apparatus Makers Assn. with School Facilities Council, 16 p., illus., paper, free upon request direct to publisher, 20 N. Wacker Drive, Chicago 6, Ill. To help you size up what you have in your own local high school.

HISTORY OF MATHEMATICS, Vol. I: General Survey of the History of Elementary Mathematics; Vol. II: Special Topics of Elementary Mathematics—David Eugene Smith—Dover, 596 and 725 p., illus., paper, 2 volume set boxed \$5, \$2.75 each volume. Unabridged republication of 1951 2nd ed. of this textbook on the history of elementary mathematics.

Inspection for Disarmament - Seymour Melman, Ed.—Columbia Univ. Press, 291 p., illus., \$6. Study defines the necessary conditions for a workable inspection system needed to ensure compliance with a disarmament agreement. Bibliographies.

Introduction to Nuclear Engineering-Richard Stephenson-McGraw-Hill, 2nd ed., 491 p., illus., \$9.50. Revision includes material made available by the broad declassification program of

MARBLE-Oliver Bowles-Bureau of Mines. Information Circular 7829, 31 p., illus., paper, single copies free upon request direct to publisher, 4800 Forbes St., Pittsburgh 13, Pa.

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MATHEMATICAL TABLES OF ELEMENTARY AND Some Higher Mathematical Functions— Herbert Bristol Dwight—Dover, 2nd ed., 220 p., paper, \$1.75. Revised 1941 edition.

MICROWAVE TRANSMISSION DESIGN DATA-Theodore Moreno—Dover, new ed., 248 p., illus., paper, \$1.50. First published by Sperry Gyroscope Company in 1948.

MINERALS YEARBOOK 1955, Vol. I: Metals and Minerals (Except Fuels)—Bureau of Mines, Div. of Minerals staff—Govt. Printing Office, 1357 p., \$4.25. Record of performance of the Nation's mineral industries during the year, with enough background information to interpret the year's developments.

Morphogenesis: The Analysis of Molluscan Development-Chr. P. Raven-Pergamon, 311 p., illus., \$10. Survey of the present state of knowledge on development in the molluscs, both descriptive and experimental.

OTHER WORLDS IN SPACE—Terry Maloney-Sterling, 128 p., illus. by the author, \$2.95. Explains the fundamentals of modern astronomy with special emphasis on the planets. For the science-minded student. Glossary.

PROBLEMS OF ECONOMICS, Vol. I, No. 1-Myron E. Sharpe, Ed.—International Arts and Science Press, 79 p., paper, \$3, annual subscription (12 issues) \$35. English translation of the U.S.S.R. Monthly Journal Voprosy Ekonomiki.

THE RESEARCH ATTACK AGAINST CEREBRAL Palsy — foreword by Pearce Bailey — National Institute of Neurological Diseases and Blindness, 20 p., illus., paper, single copies free upon request direct to publisher, National Institutes of Health, Bethesda 14, Md.

A REVIEW OF THE MIDDLE AND UPPER EOCENE PRIMATES OF NORTH AMERICA—C. Lewis Gazin —Smithsonian, 127 p., illus., paper, \$1.75. Examines the abundant and diverse fossil remains of this early period.

Science and Business - Vanneyar Bush -Merck & Co., 12 p., paper, free upon request direct to publisher, Rahway, N. J. On the role of research in industry today.

THE SCIENCE OF HIGH EXPLOSIVES-Melvin A. Cook—Reinhold, 440 p., illus., \$22.50. Monograph describing detonation processes and related phenomena with theoretical interpretations.

A SELECTED BIBLIOGRAPHY OF RESEARCH AND Development and Its Impact on the Economy -Office of Special Studies-National Science Foundation, 21 p., paper, free upon request direct to publisher, Washington 25, D. C.

Signs, Symptoms and Treatment of Certain Acute Intoxications-William B. Deichmann and Horace W. Gerarde—Thomas, C. C., 2nd ed., 154 p., \$3.75. Condensed synopsis on poisons, many new insecticides and industrial poisons added.

SPACE FLIGHT: Satellites, Spaceships, Space Stations, and Space Travel Explained—Carsbie C. Adams and others, foreword by Wernher von Braun—McGraw-Hill, 373 p., illus., \$6.50. For the general reader a thorough review of the history and the astronomical and engineering fundamentals of astronautics, with a broad outlook into the future. Each chapter followed by ample bibliography.

Tape Editing and Splicing: For the Professional and Amateur Tape Recordist—N. M. Haynes—Robins Industries Corp., 24 p., illus., paper, 25¢. How to get more use from your tape recorder.

A Wonderful World for Children-Peter Cardozo—Bantam Books, 2nd ed., 246 p., illus., paper, 35¢. For parents, children and teachers, lists thousands of free booklets and things to entertain and instruct children.

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