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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.

ARISTOTLE—A. E. Taylor—Dover, Rev. ed., 118 p., paper \$1.00, cloth \$2.75. The life of a great Greek philosopher and scientist.

As You SEE IT: Twenty-four pictures to Stimulate Group Discussion of Social and Moral Problems, With Suggestions for Their Use — Catherine E. Steltz — Teachers College, Columbia University, Manual 26 p., paper, pictures and manual \$2.95. Pictures are posed to suggest situations involving problems of marriage and family life, parent-child relations, in-laws, drinking, gambling, racial relations, law and order, etc.

AUTOMATA STUDIES-C. E. Shannon and J. McCarthy, Eds .- Princeton University Press, Annals of Mathematics Studies Number 34, 285 p. illus., paper, \$4.00. A collection of papers dealing with various aspects of automata theory. The problem of whether it is possible to build a machine that will duplicate or surpass the functioning of the human brain is discussed. (See page 277.)

Conserving American Resources-Ruben L. Parson—Prentice-Hall, 550 p., illus., \$8.65. A lighter, livelier treatment of a serious subject intended to interest more Americans in the story of our natural resources and the ways by which they can be conserved.

THE DESCENT OF PIERRE SAINT-MARTIN -Norbert Casteret, translated by John Warrington -Philosophical Library, 160 p., illus., \$4.75. The story of the exploration of a great cavern in the Pyrenees. In its depths, the author found what is believed to be the oldest statue in the world, a bear made of clay.

DINOSAURS, PREDATOR AND PREY: The Gorgosaurus and Lambeosaurus Exhibit in Chicago Natural History Museum — Rainer Zangerl — Chicago Natural History Museum, 13 p., illus., paper, 25 cents. Describing what this museum exhibit tells us about perhaps the most spectacular of creatures, which lived some 75,000,000 years before the coming of man.

EFFECTS OF CHLORINATION AND MICROORGAN-ISMS AND CONSTITUENTS OF ASPHALT:-Frederick C. Sanderson and others-Highway Research Board, Bulletin 118, 48 p., illus., paper, 90 cents. Of particular interest to highway engineers.

FACTORS INFLUENCING TRAVEL PATTERNS William J. Mortimer and others-Highway Research Board, Bulletin 119, 94 p., illus., paper, \$1.80. Included is a discussion of how to develop a yardstick for measuring how many people want to go where.

FAMOUS PROBLEMS OF ELEMENTARY GEOME-TRY-F. Klein, Raymond Clare Archibald, Ed., translated by Wooster Woodruff Beman and David Eugene Smith—Dover, 92 p., illus., paper \$1.00, cloth \$1.50. A new, corrected edition of a work first published 35 years ago. It discusses three famous problems, doubling the volume of a cube, trisecting an angle and squar-

GENERAL FEATURES OF ALGAL GROWTH IN SEWAGE OXIDATION PONDS-George F. Papenfuss and Mary B. Allen—California State Water Pollution Control Board, Publication No. 13, 48 p., illus., paper, 75 cents. Conclusion is that microscopic examination of a water sample can provide a useful tool for the operator of oxidation ponds. If the sample contains principally

chlorella, the ponds are working at or over their capacity. If it contains a mixed flora, the plant could handle a heavier load.

Heating, Ventilating, Air Conditioning Guide 1956—American Society of Heating and Air-Conditioning Engineers, 34th ed., 1176 p. plus catalog data section, illus., \$12.00 plus postage. A reference work for the engineer.

How to Select and Use Your Tape Recorder - David Mark - Rider, 140 p., illus., paper, \$2.95. As more people own recorders, more and more everyday uses are developing for them both in the home and in business. Here is advice on how to pick one adapted to your

IN THE DOCTOR'S OFFICE: The Art of the Medical Assistant—Esther Jane Parsons—Lippincott, 2d ed., 326 p., illus., \$3.95. A hand-book for the doctor's nurse, secretary or receptionist. It covers a wide variety of duties from first aid for the emergency that arrives while the doctor is out to preparation of his manuscripts for the publisher.

INDUSTRIAL RESEARCH LABORATORIES OF THE UNITED STATES-James F. Mauk with the assistance of Harold Peacock and Melvin S. Ruffner under the direction of Charles I. Campbell-National Academy of Sciences - National Research Council, 10th ed., 560 p., \$10.00. The number of laboratories in this directory has increased in the 35 years since it was first published from 290 to 4,834.

INTRODUCTION TO THE THEORY OF GROUPS OF FINITE ORDER—Robert D. Carmichael—Dover, 447 p., paper \$2.00, cloth \$3.95. Introducing the student to concepts illustrating large domains of mathematics. An unabridged, student

AN INVESTIGATION OF THE EFFICACY OF SUB-MARINE OUTFALL DISPOSAL OF SEWAGE AND SLUDGE — Erman A. Pearson and associates -California State Water Pollution Control Board, Publication No. 14, 154 p., illus., paper, \$2.00. This method of disposal is practiced in some form at almost every coastal city in the United States.

Jules Verne: His Life-Catherine O. Peare —Holt, 123 p., illus., \$2.25. A book for children telling of the life of a pioneer science fiction writer.

New Worlds of Modern Science: A Treasury — Leonard Engle, Ed., with introduction by James R. Killian, Jr.—Dell, 383 p., illus., paper, 35 cents. Not an attempt, the editor explains, to pick the "best" writings on science but to select articles and papers, by outstanding writers, telling as simply as possible what modern science is doing. It includes also a little dip into what the future may hold.

THE PRACTICE OF PSYCHIATRY IN GENERAL HOSPITALS — A. E. Bennett, Eugene A. Hargrove and Bernice Engle and others—University of California Press, 178 p., illus., \$4.00. Gradually, psychiatric wards are becoming an integral part of the modern general hospital. This book includes discussion of problems of planning and administration of psychiatric wards and day hospitals.

PROCEEDINGS OF THE WORLD SYMPOSIUM ON APPLIED SOLAR ENERGY, PHOENIX, ARIZONA, November 1-5, 1955—Lewis W. Douglas, General Chairman Stanford Research Institute (As-

sociation for Applied Solar Energy) 304 p., illus., \$5.00. Containing highlights of symposium sessions and text of 30 papers by authorities on solar energy.

RESULTS OF THE ARCHBOLD EXPEDITIONS. No. 72 MICROHYLID FROGS FROM NEW GUINEA WITH DESCRIPTONS OF NEW SPECIES - Richard G. Zweifel-American Museum of Natural History, Novitates number 1766, 49 p., illus., paper, 25 cents. The four expeditions brought back from New Guinea and neighboring islands a remarkable wealth of reptiles and amphibians, including nine new species.

THE ROCHESTER REGIONAL HOSPITAL COUNCIL -Leonard S. Rosenfeld and Henry B. Makover - Commonwealth Fund (Harvard University Press), 204 p., illus., \$3.50. Report of an experiment in organizing medical care and hospital facilities on a regional basis.

THE SEA AND ITS RIVERS-Alida Malkus-Doubleday, 221 p., illus., \$2.75. Fascinating stories about the Gulf Stream and other currents, the ocean's waves and tides, the varied life and the mineral wealth in the sea.

SIGMUND FREUD: Four Centenary Addresses-Ernest Jones—Basic Books, 150 p., \$3.75. Commemorating the hundredth anniversary of Freud's birth, this work presents an analysis of the nature of genius.

THE SUN AT WORK: Newsletter of the Association for Applied Solar Energy, Vol. 1, No. 1 —Guy Benveniste, Ed.—Association for Applied Solar Energy, 8 p., illus., paper, quarterly, \$2.50 per year. Intended to establish and maintain contact among those concerned with solar energy research. The principal article in this first issue is an account of the international meeting at Tucson, Ariz.

THE THIRTEEN BOOKS OF EUCLID'S ELEMENTS: Translated from the Text of Heiberg-Introduction and commentary by Sir Thomas L. Heath-Dover, 2d ed., in three volumes of 432 p., 436 p., and 546 p., illus., paper, \$1.95 per volume, \$5.85 for 3-vol. set. Republication of a classic in an inexpensive edition for students.

A Wonderful World for Children—Peter Cardozo and Lilli Taylor, Eds.—Bantam, 244 p., illus., paper, 35 cents. Describing all the interesting things you can get for the asking or a small sum. Included in the list, are various materials available from Science Service.

Science News Letter, May 5, 1956

GOLF: Your LEFT SHOULDER makes the amazing difference!

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