

Books of the Week

TO SERVE YOU: To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C. Ask for free publication direct from issuing organizations.

ANALYTIC GROUP PSYCHOTHERAPY WITH CHILDREN, ADOLESCENTS, AND ADULTS—S. R. Slavson—*Columbia University Press*, 275 p., \$3.50. An outline of the functions of the group therapist.

THE ANATOMY OF MATHEMATICS—R. B. Kershner and L. R. Wilcox—*Ronald*, 416 p., illus., \$6.00. An advanced mathematical text introducing ideas and methods pervading modern mathematical research.

COUNSELING ADOLESCENTS—Shirley A. Hamrin and Blanche B. Paulson—*Science Research Associates*, 371 p., \$3.50. A handbook presenting techniques for counseling teen-agers.

CROSS COUNTRY: Geography for Children—Paul R. Hanna and Clyde F. Kohn—*Scott, Foresman*, 160 p., illus., \$2.20. A grade-school text for third or fourth graders.

ENCYCLOPAEDIA BRITANNICA WORLD ATLAS "TRADE EDITION": With Physical, Political and Global Maps, Geographical Comparisons, A Glossary of Geographical Terms, Political Divisions and Capitals and a Gazetteer Index—*Hammond*, 123 p., illus., \$15.00.

THE ETHICAL BASIS OF MEDICAL PRACTICE—Willard L. Sperry—*Hoebner*, 185 p., \$2.50. A theologian discusses the many problems of medical ethics.

FINANCING THE FARM BUSINESS—I. W. Duggan and Ralph U. Battles—*Wiley*, 354 p., illus., \$4.00. Covers most of the important financial problems which confront young farmers.

THE FOUNDATIONS OF ARITHMETIC: A Logico-Mathematical Enquiry into the Concept of Number—G. Frege—*Philosophical Library*, 119 p., \$4.75. German text included. Translated into English by J. L. Austin.

GENERAL BIOLOGY: For Colleges—Gairdner B. Moment—*Appleton-Century-Crofts*, 2nd ed., 680 p., illus., \$5.00. An introductory text.

GENERAL CHEMISTRY—H. I. Schlesinger—*Longmans, Green*, 4th ed., 811 p., illus., \$5.50. A college text brought up-to-date.

GENERAL CHEMISTRY—John Arrend Timm—*McGraw-Hill*, 2nd ed., 764 p., \$4.50. A revised edition of an introductory college text.

GEOLOGY OF THE MACDOEL QUADRANGLE—Howell Williams—*State of California, Division of Mines*, Bull. 151, 78 p., illus., \$1.75. A geological study beginning with rocks from the paleozoic age to the pleistocene epoch. Illustrative maps are included.

GEOLOGY OF THE QUIEN SABE QUADRANGLE CALIFORNIA—Carlton James Leith—*State of California, Division of Mines*, Bull. 147, 60 p., illus., \$1.75. A study of the rocks from the Jurassic to the Pleistocene. There are six illustrative maps included.

GERMAN SCIENCE READER: An Analytical Approach to Translation Problems—George Wm. Radimersky—*Ronald*, 245 p., \$3.00. For the student of scientific German.

HAMMOND'S COMPLETE WORLD ATLAS—*Hammond*, 376 p., illus., \$5.00. All recent geographical changes are included.

HEATING-VENTILATING-AIR CONDITIONING GUIDE 1950: Vol. 28—W. N. Witheridge, Chairman—*American Society of Heating and Ventilating Engineers*, 1422 p., illus., \$7.50. A standard reference book.

HOME ELECTRICAL REPAIRS—Alfred P. Morgan—*Crown*, 210 p., illus., \$3.00. A practical guide on how to fix electrical equipment disorders in the home.

HOPI KACHINA DOLLS: With a Key to Their Identification—Harold S. Colton—*University of New Mexico*, 144 p., illus., \$7.50. A description of what a kachina doll is, how it is made, and the principal features, such as masks and costumes; there are 250 types identified and each is illustrated with a simplified drawing.

THE HUMAN HEART—N. S. Haseltine—National Heart Institute, 22 p., illus., paper, free upon request to publisher, Heart Information Center, Bethesda 14, Md. A series of articles reprinted from the Washington Post on the heart and heart ailments. Also describes the campaign against heart diseases.

MAN'S PHYSICAL UNIVERSE: A Survey of Physical Science for Colleges—Arthur Talbot Bawden—*Macmillan*, 3rd ed., 822 p., illus., \$4.75. An introductory text for survey courses in physical science.

MARRIAGE AND FAMILY RELATIONSHIPS—Robert Geib Foster—*Macmillan*, rev. ed., 316 p., \$2.75. Problems of courtship and marriage are discussed.

PHYSICS: A Textbook for Colleges—Oscar M. Stewart and Newell S. Gingrich—*Ginn*, 5th ed., 726 p., illus., \$5.00. A revised introductory text.

SEX QUESTIONS AND ANSWERS: A Guide to Happy Marriage—Fred Brown and Rudolf T. Kempton—*Whittlesey*, 264 p., \$2.95. Based on questions of men and women in the U. S. Army. Written in simple terminology.

THE SAFETY AND SPECIAL RADIO SERVICES—Federal Communications Commission—*Gov't Printing Office*, 37 p., paper, 15 cents. A pamphlet on the nonbroadcast radio services devoted to such fields as aviation, public safety, science and medicine.

SHELL COLLECTOR'S HANDBOOK—A. Hyatt Verriell—*Putnam*, 228 p., illus., \$4.00. A guide for amateur shell collectors.

SIMPLIFIED CHEMISTRY EXPERIMENTS—Aimand Joseph Courchaine—*Putnam*, 234 p., illus., paper, \$2.80. An introductory lab manual to be used with any standard text covering the fundamentals of inorganic, organic and physiological chemistry.

SOCIAL PSYCHOLOGY: An Integrative Interpretation—S. Stansfeld Sargent—*Ronald*, 519 p., \$4.50. An introductory text designed to acquaint students with basic facts, principles and applications in the field.

STREAMBANK EROSION CONTROL ON THE WINOOSKI RIVER, VERMONT—Frank C. Edminster, Walter S. Atkinson and Arthur C. McIntyre—*Gov't Printing Office*, U. S. Dept. of Ag. Circ. No. 837, 54 p., illus., paper, 20 cents.

The case history of streambank erosion control and flood-plain protection on the Winooski River, Vermont.

Science News Letter, June 3, 1950

AERONAUTICS

Tiny Magnetic Compass Ready for Emergency Use

► A NEW, tiny emergency compass for airplanes has been installed on British Naval planes.

This new magnetic compass was developed by the Admiralty Compass Observatory and is for use if the remote indicating compass fails. Tests already made show it to be stable in flight.

The compass weighs slightly over three ounces and it is enclosed in a small cube. Built-in horizontal and vertical correctors are provided. The bowl is constructed of a transparent plastic material. The damping liquid is a silicone fluid of high chemical inertness. Metal bellows fitted in the bowl allow for expansion and contraction over a wide temperature range.

Science News Letter, June 3, 1950

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