

Books of the Week

AN ALBUM OF CELESTIAL PHOTOGRAPHS—*A. L. Bedell*, 50 p., illus., paper, \$1. Photographs taken by the world's largest telescopes of the sun, solar corona and prominences, the moon, planets, and nebulae.

THE BUSINESS LAW OF AVIATION—Gerald O. Dykstra and Lillian G. Dykstra—*McGraw-Hill*, 532 p., \$5. A combined text and case book in aviation law, presenting a convenient compilation of the leading court decisions which have involved some aspects of aviation, and calling attention to the federal and state statutes which govern this field of business.

A CHRONOLOGICAL HISTORY OF ELECTRICAL DEVELOPMENT—*National Electrical Manufacturers Assn.*, 106 p., \$2. The story, by dates, of electricity and the vast assortment of devices and equipment created by the electrical manufacturing industry to utilize it.

COMISION IMPULSORA Y COORDINADORA DE LA INVESTIGACION CIENTIFICA: Anuario 1944—*Comision Impulsora y Coordinadora de la Investigacion Cientifica*, 405 p., tables and illus., paper, free.

THE COOPERATIVE WAY: A Method of World Reconstruction—James Peter Warbasse—*Barnes & Noble*, 184 p., illus., \$2. An examination of the possibilities for

enduring peace and mutual aid, and of the consumer cooperative as a means of realizing this end.

COUNSELING TECHNIQUES IN ADULT EDUCATION—Paul E. Klein and Ruth E. Moffitt—*McGraw-Hill*, 185 p., \$2. A guide and source book for teachers, administrators, and counselors in adult-education programs. The major emphasis is on the school situation, but the suggestions presented will be useful to anyone counseling adults—Y.M.C.A. and Y.W.C.A. workers, church and social agency staffs, counselors of veterans, and the like.

CREATIVE CRAFTS IN WOOD—Michael C. Dank—*Manual Arts Press*, 200 p., illus., \$3. Details on primary skills and techniques, described and illustrated one by one and applied to problems in coping saw work, wood chipping, and wood stippling.

DESCRIPTIONS OF AND KEY TO AMERICAN POTATO VARIETIES—C. F. Clark and P. M. Lombard—*Government Printing Office*, 50 p., tables and illus., paper, 10 cents.

ENGINEERS' COUNCIL FOR PROFESSIONAL DEVELOPMENT: Thirteenth Annual Report for Year Ending Sept. 30, 1945—*Engineers' Council for Professional Development*, 56 p., tables, paper, 25 cents.

GERMAN FOR THE SCIENTIST—Peter F. Wiener—*Chemical Publishing Co.*, 238 p., \$3.50. A condensation of German grammar and reading material from modern German literature in chemistry and physics. Translations of the passages are also given.

INTRODUCTION TO EMULSIONS—George M. Suthem—*Chemical Publishing Co.*, 280 p., tables and diags., \$4.75. The principles, properties, methods of preparation and practical applications of emulsions. Includes a bibliography and an alphabetical list of emulsifying agents.

MANAGEMENT CAN BE HUMAN—Harvey Stowers—*McGraw-Hill*, 131 p., \$1.50. Practical advice for establishing better relationships between supervision and employees, and using actual case histories to illustrate each point.

MEN, MIRRORS, AND STARS—G. Edward Pendray—*Harper*, 335 p., illus., \$3, revised ed. An informative, popular book on the development of the telescope and on the parallel development of the science of astronomy.

AN OUTLINE GUIDE TO THE ART OF THE SOUTH PACIFIC—Paul S. Wingert—*Columbia Univ. Press*, 84 p., illus., \$2. For each major area and island group are given historical and geographical data, a description of the natives, and the distinctive elements of the culture; these are followed by a comprehensive listing of the art forms, for which physical facts, meaning, and function are included.

PENNSYLVANIA GEOLOGY OF A PART OF THE SOUTHERN APPALACHIAN COAL FIELD—Harold R. Wanless—*Geological Society of America*, 162 p., tables, illus., and maps, \$3.25. The Geological Society of America, Memoir 13.

PRINCIPLES OF PHYSICS: II, Electricity and Magnetism—Francis Weston Sears—*Addison-Wesley*, 400 p., tables and illus., \$5. The second volume of a series of texts written for the two-year course in general physics at Massachusetts Institute of Technology. A knowledge of mechanics, heat, sound, analytic geometry and some calculus is presupposed.

PROBLEMS OF MEN—John Dewey—*Philosophical Library*, 424 p., \$5. Essays on the general subjects of "Democracy and Education", "Human Nature and Scholarship", "Value and Thought", and on the philosophical systems of the thinkers Marsh, James, and Whitehead.

PROGRESS AND PROBLEMS IN EDUCATION FOR LIBRARIANSHIP—Joseph L. Wheeler—*Carnegie Corp. of New York*, 107 p., paper, free. A memorandum on matters affecting present-day training for librarianship, with especial reference to library schools, their faculties, graduates, students, curricula, relations to higher education and to the profession of librarian.

SOLO OR SYMPHONY? Shall the Demobilized Doctor Enter Medical Group Practice?—*Medical Group Practice Council*, 44 p., paper, 25 cents. An analysis of the nature of medical group practice, and of its advantages to patient and physician.

SOME NOTES ON THE ARCHAEOLOGY OF THE DEPARTMENT OF PUNO, PERU—Marion H. Tschopik—*Peabody Museum of American Archaeology*, 72 p., tables and illus., paper, \$1.65. Research project No. 7 of the Institute of Andean Research under the sponsorship of the Co-ordinator of Inter-American Affairs.

A TEXTBOOK OF BIOCHEMISTRY—Philip H. Mitchell—*McGraw-Hill*, 640 p., tables and illus., \$5. A textbook designed for a first course in biochemistry, presenting a modernized treatment of the essentials of biochemistry, centered upon metabolism and human nutrition. The newer work based on use of isotopes as tracers, of surviving tissue slices and other modern methods is given attention.

WHAT ARE WE DOING WITH JAPAN?—Anne and William Johnstone—*Institute of Pacific Relations*, 64 p., illus., paper, 25 cents. The factual record of American policy in Japan since V-J Day, with an analysis of the objective factors inherent in the Japanese national picture.

Science News Letter, June 1, 1946

A new process for cracking *gasoline* to produce superior aviation fuel, known as polytreating, uses solid phosphoric acid as a catalyst; the process removes undesirable components known as olefins, or converts them to useful hydrocarbons.

Turkey eggs, which will become more common now that a laying strain of turkeys has been developed, can not be distinguished from chicken eggs in flavor and texture, but are half again as large.



Photo Courtesy Koppers Co., Inc., American Hammered Piston Ring Div.

Spectrograms "Write" Their Analyses With A Knorr-Albers Microphotometer

Spectrographic analysis is speeded by a Knorr-Albers Microphotometer, particularly when:

1. Spectrograms contain lines of unknown metals.
2. Comparatively large number of lines is present in spectrogram.
3. Record of lines is wanted.

For details see illustrated Catalog E-90 (1).



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