

## BOOK NOTICES AND REVIEWS.

*Recent Advances in Volumetric Chemical Analysis*, by H. B. KELLOG, formerly Director of Laboratories, Amp. Research Laboratories, Corona, New York. 200 pages, loose leaf form, 6<sup>3</sup>/<sub>4</sub>" x 3<sup>3</sup>/<sub>4</sub>". Lefax, Inc., Philadelphia, Pa., Publishers. Price: Black faxide ring binder, \$3.00; brown Castilian paper cover, \$2.00.

Rapid and accurate methods are usually desired by the analyst in arriving at conclusions either in commercial or experimental work. For these reasons the author has given consideration to volumetric analysis exclusively. Most reference books give more attention to gravimetric analysis and seem to neglect rapid end-point titration methods. Carefully selected methods that have proved of practical value to the analytical and research chemist have been compiled. Sufficient details are given to enable one with an elementary knowledge of analytical procedures to follow directions. Also it offers helpful suggestions in the selections of convenient and efficient methods for rapid and accurate analysis.

The author by referring to varied sources of modern literature has brought together such applications that are more readily available for use. An added help to the analyst has been given by listing the agents necessary for each individual analysis after the method of procedure. In some cases the author has offered modification where this has been found desirable. The details differ somewhat from those given by the author originally presenting the procedure. The subject index includes: Acidimetric Indicators, Adsorption, Ceric Sulfate Solutions, New Reagents, Reductors, Acetone, Aluminum, Antimony, Arsenic, Borate, Cadmium, Calcium, Carbon Monoxide, Cerium, Chloride, Chromium, Cobalt, Copper, Cyanide, Ferricyanide, Ferrocyanide, Fluoride, Formaldehyde, Halides, Hydrogen Peroxide, Hyposulfite, Iodide, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Nitrate, Nitrite, Phenol, Phosphorus, Potassium, Selenium, Silver, Sodium, Sugars, Sulfur, Tellurium, Tin, Vanadium, Zinc.

Preparation and methods of standardizing the more common solutions used in volumetric analysis are given along with the volumetric factors based on 1937 International atomic weights.—EMERSON C. BEELER.

*A College Textbook of Pharmaceutical Botany* (sixth edition), by H. W. YOUNGKEN, Ph.M., Ph.D., Sc.D., Professor of Botany and Pharmacognosy, Massachusetts College of Pharmacy; Member Committee of Revision, U. S. Pharmacopœia; Botanical Editor, U. S. Dispensatory, etc.

A thoroughly modern textbook with pharmaceutical and medical applications, especially adapted for students of Pharmacy and economic Botany and as a reference for pharmacists, chemists and students in structural and systematic Botany. There are chapters on: Scope and Importance of Botany; General Characteristics of Plants; The Living Cell; Life History of the Male Fern; Non-Proto-plasmic Cell Contents; Plant Tissues; The Root; The Bud; The Stem; The Leaf; The Inflorescence; The Flower; The Fruit; the Seed; Classification and Naming of Plants; The Thallophytes; Fungi; Lichens; Bryophytes; Pteridophytes; Spermatophytes; Monocotyledons; Dicotyledons; Ecology; Genetics and Evolution.

The book contains 507 illustrations, Frontispiece, Glossary and Bibliography. There are 792 pages, it is bound in washable fabric, and the price is \$4.75. Publishers, P. Blakiston's Son & Co., Inc., 1012 Walnut St., Philadelphia, Pa.

*Chemistry of the Proteins* (second edition), by DOROTHY JORDAN LLOYD, M.A., D.Sc., F.I.C., Director British Leather Manufacturers' Research Association; and Agnes Shore, B.Sc., A.I.C., Demonstrator, Physiology Department, London School of Medicine for Women. Introduction by Sir. F. G. Hopkins, O.M., D.Sc. (University of Cambridge).

The book contains a synthesis of knowledge on proteins covering every branch of science bearing upon the subject. Both the constitutional and physical phases of proteins are treated from the chemical standpoint. There are chapters on: Nature and Constitution of the Proteins; Different Classes of the Proteins; Methods of Protein Analysis; Individuality of Proteins; Biochemistry of Proteins and Amino Acids; Proteolytic Enzymes; Linkages in Protein Molecule; Architecture of Protein Molecule; Combination of Proteins with Acids and Alkalies; Properties of Protein Solutions; Absorption and Loss of Water by Gels and Tissues; Specific Effects of Salts on

Protein Solutions; Denaturation and Coagulation; Theory of Protein Solutions.

The book contains 101 illustrations; 532 pages, is bound in washable fabric, and the price is \$5.50. Published by P. Blakiston's Son & Co., Inc., 1012 Walnut St., Philadelphia, Pa.

*The Biological Standardization of the Vitamins*, by KATHERINE H. COWARD. 227 pages. Published by William Wood & Co., Baltimore, Md. Price, \$4.50.

*Physiological and Clinical Chemistry*, by WM. A. PEARSON and JOS. S. HEPBURN. Second Edition. 467 pages. Published by Lea and Febiger, Philadelphia, Pa. Price, \$5.50.

*Materia Medica, Drug Administration and Prescription Writing*, by OSCAR W. BETHEA. Fifth Edition. 577 pages. Published by F. A. Davis Co., Philadelphia, Pa. Price, \$5.00.

*How Ancient Healing Governs Modern Therapeutics*, by KLEANTHES A. LIGEROS, III. 523 pages. Published by G. P. Putnam's Sons. Price, \$10.00.

*Accepted Dental Remedies*, by S. M. GORDON, American Dental Association Council on Dental Therapeutics. 268 pages. Published by American Dental Association, Chicago, Ill. Price, \$1.00.

*The Art of Dispensing*, Eleventh Edition. 552 pages. Published by Chemist and Druggist, 28 Essex St., London W. C. 2, England.

*Laboratory Manual for Bacteriology and Immunology*, by H. D. MOOR, F. C. LAWLER and I. L. WALLACE. Third Edition. 100 pages, loose-leaf, board covers. Published by the University of Oklahoma School of Medicine, Bacteriology Department. Price, \$3.50.

*Gould's Medical Dictionary*. Fourth Edition. 273 illustrations, 48 of which are portraits. Fabrikoid cover. 1538 pages. Price, \$7.00; with thumb index, \$7.50. Published by P. Blakiston's Son & Co., Inc., Philadelphia, Pa.

*New and Non-Official Remedies*. Descriptions of Articles Accepted by the Council on Pharmacy and Chemistry of the A. M. A. 592 pages. Published by the American Medical Association, Chicago. Price, \$1.50.

*Manual of Cosmetics*, by CHARLES LAZAR. 318 pages. Published by The Sherwood Press, Cleveland, O. Price, \$5.00.

*Recent Advances in Volumetric Chemical Analysis*, by H. B. KELLOG. 200 pages, loose-leaf form. Price, complete, in Black Faxide Ring Binder, \$3.00; in Brown Castilian Paper Cover, \$2.00. Published by Lefax, Inc., 9th & Sansom Sts., Philadelphia, Pa.

*The Rockefeller Foundation*, a review for 1937, by Raymond B. Fosdick.

*Parenteral Therapy*, by DUTTON and LAKE. 90 practical illustrations. Price, \$7.50. Published by Charles C. Thomas, Springfield, Illinois; Baltimore, Maryland.

*Die Rauschund Genussgifte*, by PROF. DR. MED. ERICH HESSE, Pub. by Ferdinand Enke, Stuttgart.

*Records of the Malaria Survey of India*, published for the Indian Research Fund Association, by Thacker's Press & Directories, Ltd., Calcutta, India. Editors: G. COVELL and M. K. AFRIDI.

*Qualitative Analysis for Students of Pharmacy and Medicine*, by CHARLES B. JORDAN and HENRY GEORGE DEKAY. Second Edition. Published by McGraw-Hill Book Co., Inc., New York and London. Price, \$2.50.

*Man in a Chemical World*, by A. CRESSY MORRISON. Pub. by Charles Scribner's Sons, New York and London.

*Chemisch-Pharmazeutisches Bio- und Bibliographikon*, by DR. FRITZ FERCHL, Mittenwald. Pub. by Arthur Nemayer, Mittenwald, Germany.

*The Story of Vitamin B<sub>1</sub>*, compiled by C. R. ADDINALL, Library Service Bureau, Merck & Co., Inc., Rahway, N. J.

*Introductory General Chemistry*, by STUART R. BRINKLEY. 731 pages. Published by Macmillan Co., New York City. Price, \$3.50.

*Pharmaceutical Therapeutics*, by ELDIN V. LYNN. Second Edition. 430 pages. Published by McGraw-Hill Book Co., New York City. Price, \$4.00.

*A Diabetic Manual*, by ELLIOTT P. JOSLIN. Sixth Edition. 219 pages. Published by Lea & Febiger, Philadelphia, Pa. Price, \$2.00.