

- (4) Mayneord, W. V., quoted by E. C. Dodds in *Lancet*, 226 (1934), 987-992.
- (5) Heiger, I., *Biochem. J.*, 24 (1930), 505-511.
- (6) Clar, E., *Ber.*, 62 (1929), 350-359.
- (7) Chalmers, J. G., *Biochem. J.*, 28 (1934), 1214-1218.
- (8) Burrows, H., Heiger, I., and Kennaway, E. L., *Am. J. Cancer*, 16 (1932), 57-67.
- (9) Barry, G., Cook, J. W., Haslewood, G. A. D., Hewett, C. L., Heiger, I., and Kennaway, E. L., *Proc. Roy. Soc. (London) B*, 117 (1935), 318-351.
- (10) Cook, J. W., and Kennaway, E. L., *Am. J. Cancer*, 33 (1938), 50-97.
- (11) Fieser, L. F., *Ibid.*, 34 (1938), 37-124.
- (12) Owen, S. E., *Quart. Rev. Biol.*, 12 (1937), 340-347.
- (13) Dodds, E. C., *Lancet*, 226 (1934), 931-934 and 987-992.
- (14) Shear, M. J., *Am. J. Cancer*, 26 (1936), 322-332.
- (15) Owen, S. E., unpublished data.
- (16) Sollman, T., "A Manual of Pharmacology," 3rd Edition, page 640, Saunders and Co.
- (17) Lorenz, E., and Shear, M. J., *Am. J. Cancer.*, 26 (1936), 333-343.

## Book Reviews

*Laboratory Exercises in the Chemistry of Medicinal Products*, by WALTER H. HARTUNG, Ph.D., Professor of Pharmaceutical Chemistry, University of Maryland, W. TAYLOR SUMERFORD, Ph.D., Professor of Pharmaceutical Chemistry, University of Georgia, and MELVIN F. W. DUNKER, Ph.D., Fellow in Chemistry, Northwestern University. 152 pages, mimeographed by the University of Georgia Press. Price, \$2.75.

This laboratory manual is intended for advanced undergraduate and beginning graduate students in pharmaceutical chemistry. The discussion, questions and experiments are designed to develop in the students a capacity to appreciate and understand better the principles on which medicinal and pharmaceutical chemistry are based. Wherever practicable, the experiments are carried out on the semi-micro scale. The work is grouped in sixteen chapters headed as follows: Hydrocarbons, Halogenated Hydrocarbons, The Hydroxyl Group, Hydroxyl and Halogen Derivatives, Ethers, The Carboxyl Group, The Carbonyl Group, Nitrogen Compounds, Sulfur Compounds, Organometallic Compounds, Spot Tests, Library Problem, The Chromatograph, Dyes, Enzymes, Glycosides, Saponins, Tannins, Resins and Dialysis.—A. G. D.

*Modern Drugs in General Practice*, by ETHEL BROWNING. vii + 236 pages. 5<sup>3</sup>/<sub>8</sub> x 8<sup>1</sup>/<sub>2</sub>. 1940. Baltimore: Williams & Wilkins Co. \$3.00.

This book is intended to bring the general practitioner up to date with regard to the advances in medical sciences made in recent years. It aims to accomplish this purpose by discussing from a therapeutic viewpoint a selected group of drugs which, in the opinion of the author, are the most valuable. The sulfonamide group, gold salts, cardiac drugs, adrenergic and cholinergic drugs, hypnotics and diuretics are among the more important classes of drugs discussed. While the book is intended primarily for the practicing physician, it contains much information on the newer remedies which the pharmacists will find helpful.—A. G. D.

*The Manuscript—A Guide for Its Preparation with Instructions for Handling Proof*, by SAMUEL E. NORRIS, Compiler. 3rd Edition. xvi + 75 pages. 1941. New York: John Wiley & Sons, Inc. \$1.00.

This small volume is intended primarily for authors who are writing for Wiley & Sons, but it contains much information of value to any author. Part I describes preparation and illustration of the manuscript, including copy for the offset process. Part II discusses the handling of galley and page proofs and plate proofs. The book makes no pretense of being a style manual, but it contains practical suggestions on capitalization, punctuation, abbreviations, compounding of words, citation of references and preparation of indexes. It also contains a section on "Poor Usage That Is Common" in which the correct uses of a number of words and phrases are illustrated. The book is believed to be worthy of a place in the libraries of all authors and editors.—A. G. D.

*Food Analysis*, by A. G. WOODMAN, xii + 607 pages. McGraw-Hill Book Co., Inc., 330 West 42nd St., New York, N. Y., and London, England, 1941. Price, \$4.00.

This new edition is an improvement over previous editions in appearance due to the use of a better grade of paper and to wider margins on the page. The book would seem to have use as a brief manual for beginners in food chemistry. The more complex chemical procedures used by food analysts are mentioned by reference only. References to the literature are given at the ends of the chapters as in previous editions. Under food colors, there has been added a discussion of the new permitted dyes, including certain oil-soluble colors. The space given in previous editions to chemical preservatives has been reduced. There has also been added a discussion of the spectrophotometer in its relations to food analysis.—A. G. D.