

*The United States Pharmacopeia*, Seventeenth Revision. Published by the United States Pharmacopeial Convention, Inc., 1965. Distributed by Mack Publishing Co., Easton, Pa. lxi + 1156 pp. Price \$12.50 (domestic), \$13.00 (foreign).

U.S.P. XVII contains 898 articles which are considered by the U.S.P. Subcommittee on Scope as those drugs possessing the greatest therapeutic value in current medical practice and teaching. In this just-completed 5-year revision period, rapid progress in medical research has changed the status of many drugs. This is evident in the fact that 201 items included in the previous revision were deleted and 156 new items were admitted. The selectivity of the U.S.P. reflects the increased emphasis on drug efficacy resulting from the 1962 drug amendments.

To serve in its most important capacity—as a standard of purity and strength for the drugs included—the U.S.P. has incorporated improved analytical techniques in many monographs. More precise assay methods have allowed a test for content uniformity of single dosage units to be added to official specifications for certain tablets. A new test for evaluating plastic containers for parenterals has been added, and a negative control plastic for use in this test is now a U.S.P. Reference Standard.

A separate listing of all U.S.P. drugs by category (pharmacologic action or pharmaceutical utility) serves as a useful reference and in addition points out the wide therapeutic spectrum covered by these drugs. Some of the newly admitted items are: chlorpropamide, an oral hypoglycemic; glucagon, a hyperglycemic hormone; metapyrone, a diagnostic for pituitary function; 13 biologics including BCG vaccine and live oral poliovirus vaccine; griseofulvin, an oral antifungal; and seven antibiotics.

Other features of U.S.P. XVII include a complete listing of molecular weights and formulas of all chemicals in the U.S.P. and N.F.—official items as well as compounds used or produced in the various tests; tables of revised atomic weights, thermometric equivalents, and metric and apothecary weights and measures.

A provision of the 1962 drug amendments is that each drug is to be designated by only one nonproprietary name; therefore, no synonyms appear in monographs. A new chapter on nomenclature provides a cross-listing of official titles and former synonyms or other designations.

U.S.P. XVII becomes official on September 1, 1965.

*The Acyclic Aliphatic Tertiary Amines*. By L. SPIALTER and J. A. PAPPALARDO. The Macmillan Company, 60 Fifth Avenue, New York, N. Y. 10022, 1965. xiii + 512 pp. 15 × 23 cm. Price \$18.

This volume provides a critical summary and evaluation of the general procedures, both synthetic and degradative, for the preparation of these tertiary amines. Monoamines and polyamines containing only carbon, nitrogen, and hydrogen with saturated and/or unsaturated hydrocarbon groups are considered.

Following the discussion of preparative methods is a compilation of 710 acyclic aliphatic tertiary amines obtained from the original literature as indexed through June 1961 by *Chemical Abstracts*. For each of these compounds are listed the available physical properties, the reported methods of preparation, and the physical properties of characteristic derivatives. Unfortunately, no uses or applications of the various amines are given. Indexing of the amines by their molecular formula as well as by a tabulation of the alkyl substituents on each nitrogen facilitates rapid location of a desired compound.

Compounds and data described in this volume will be of greatest value to pharmaceutical research workers in the areas of surface-active agent and antioxidant development.

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## NOTICES

*Pharmacology of Conditioning, Learning and Retention*. Edited by M. YA. MIKHEL'SON and V. G. LONGO. Vol. 1 of 2nd International Pharmacological Meeting. General Editor: H. Raskova. Pergamon Press Book. The Macmillan Company, 60 Fifth Ave., New York 11, N. Y., 1965. xi + 365 pp. 16 × 23 cm. Price \$13.

*Pharmacology of Oriental Plants*. Edited by K. K. CHEN and B. MUKERJI. Vol. 7 of 2nd International Pharmacological Meeting. General Editor: H. Raskova. Pergamon Press Book. The Macmillan Company, 60 Fifth Ave., New York 11, N. Y., 1965. viii + 106 pp. 16 × 23 cm. Price \$6.50.

*Recent Advances in the Pharmacology of Toxins*. Edited by H. W. RAUDONAT. Vol. 9 of 2nd International Pharmacological Meeting. General Editor: H. Raskova. Pergamon Press Book. The Macmillan Company, 60 Fifth Ave., New York 11, N. Y., 1965. xii + 240 pp. 16 × 23 cm. Price \$10.

*Précis de Matière Médicale*. Tome 1. By R. R. PARIS and MME. H. MOYSE. Masson et Cie. Editeurs, Libraires de l'Académie de Médecine, 120 Boulevard Saint-Germain, Paris VIe, France, 1965. xi + 416 pp. 16.5 × 21.5 cm. Cartonnettoile demi-souple 46 F.

*Actualités Pharmacologiques*. Edited by RENÉ HAZARD and JEAN CHEYMOL. Dix-Septième Série. Masson et Cie, Editeurs, 120 Boulevard Saint-Germain, Paris VIe, France, 1964. 279 pp. 16 × 24 cm. Price 68 F. Paperbound.

*Advances in Pharmacology*. Vol. 3. Edited by S. GARATTINI and P. A. SHORE. Academic Press Inc., 111 Fifth Ave., New York, N. Y. 10003, 1964. viii + 341 pp. 15.5 × 23.5 cm. Price \$12.