

*Advances in Drug Research*. Vol. 1. Edited by N. J. HARPER and A. B. SIMMONDS. Academic Press Inc., 111 Fifth Ave., New York, N. Y. 10003, 1964. x + 209 pp. 15.5 × 23 cm. Price \$8.

This series of "advances" has been established to present critical evaluation and comprehensive reviews of the current progress in drug research. Attention will be given to established areas of drug research and also to newer experimental areas. The four topics discussed in this first volume are penicillin, physiological transport of drugs, antitussives, and adrenergic neurone blocking agents.

The discussion of penicillin and related structures covers the development of the antibiotic from its discovery to total chemical syntheses of the newer related compounds and structure-activity relationships.

The physiological transport of drugs presents a summary of present ideas concerning mechanisms of drug absorption, distribution, and excretion. General principles and individual body tissues are discussed.

A survey of antitussives features a tabulation of methods used in assessing antitussive activity both in animals and humans, the products investigated, and the reference documentation.

Special attention is given to one aspect of adrenergic neurone blocking agents—recently developed compounds which reduce high blood pressure by specifically impairing the function of the post-ganglionic sympathetic adrenergic nerves.

*Evaluation of Drug Activities: Pharmacometrics*. Vols. 1 and 2. Edited by D. R. LAURENCE and A. L. BACHARACH. Academic Press Inc. Ltd., Berkeley Square House, Berkeley Sq., London W. 1., England, 1964. 897 pp. 15.5 × 23 cm. Price: Vol. 1, \$15 (95 s); Vol. 2, \$13 (90 s).

"Pharmacometrics" is defined by the authors as "the identification and the comparative evaluation, qualitative and quantitative, of drug activities." This work, in two volumes, presents reviews and appraisals of various pharmacological techniques utilized in the systematic search for and the evaluation of potential drugs. It is intended to serve as a guide for pharmacologists and also for others who may have had no previous experience, and to enable them to perform pharmacometric evaluations.

The first seven chapters are devoted to general principles applicable to any drug and include methods of screening compounds for activity, efficacy, and safety evaluations, drug dependence, statistical procedures, considerations of animal testing, and the clinical trial.

Each of the remaining 34 chapters discusses an individual drug group as determined by pharmacologic action or site of action. Attention is given in each group to the test animals to be used, types of preparations and administration, and responses to be elicited. Each discussion is supplemented with numerous references. An appendix provides information on the various organ bath solutions mentioned in the text.

*Problems of Psychopharmacology*. Edited by PROF. L. L. ROKHLIN. Israel Program for Scientific Translations, Jerusalem, 1964. U. S. Agent: Daniel Davey & Co., Inc., 257 Park Ave. S., New York, N.Y. vi + 329 pp. 17.5 × 24.5 cm. Price \$13.50.

This translation from the original Russian is part of a publication program of the Israel Program for Scientific Translation (IPST). The purpose of IPST is to provide English-reading scientists with translations of current works written in other languages. At present IPST is concentrating on the translation of results of Russian research in chemistry, geology, physics, mathematics, engineering, medicine, and biology. The facilities of IPST also are available to American organizations on a project basis.

"Problems of Psychopharmacology" is a collection of papers based on experiments conducted in the clinics and laboratories of the All-Union Scientific Research Institute of Psychiatry of the Ministry of Health RSFSR. Among the drugs discussed are imipramine, nialamid, meprobamate, benactyzine, trifluoperazine, perphenazine, hydroxyphenamate, and chlorpromazine. Special emphasis is placed on several uses of chlorpromazine and treatments of schizophrenia.

## NOTICES

*Science Citation Index*. [Reviewed in *J. Pharm. Sci.*, 54, 498(1965).] Correction—Price: Rate A (institutional) \$1250. Rate B (industrial) \$1950.

*Pharmacology of the Central Nervous System*. A symposium of 16 critical papers. *British Medical Bulletin*, Vol. 21, No. 1, January 1965. Edited by P. B. BRADLEY. Medical Department, The British Council, 65 Davis Street, London, W1. Price \$5.

*Precis D'Hydrologie*. Par A. MORETTE. Masson and Cie, Éditeurs, Libraires de l'Académie de Médecine, 120 Boulevard Saint-Germain, Paris VIe, France, 1964. viii + 532 pp. 16.5 × 21.5 cm. Cartonnette toile demi-souple 70 F.

*Molecular Complexes in Organic Chemistry*. By L. J. ANDREWS and R. M. KEEFER. Holden-Day, Inc., 728 Montgomery St., San Francisco, Calif., 1964. viii + 196 pp. 17.5 × 25 cm. Price \$8.75.

*Manuel D'Allergologie*. Par HENRI THIERS. Masson and Cie, Éditeurs, 120 Boulevard Saint-Germain, Paris VIe. France, 1964. 484 pp. 16.5 × 25 cm. Cartonnette toile 88 F.

*The Hormones*. Vol. V. Edited by G. PINCUS, K. V. THIMANN, and E. B. ASTWOOD. Academic Press Inc., 111 Fifth Ave., New York, N. Y., 10003, 1964. x + 966 pp. 15.5 × 23.5 cm. Price \$28.