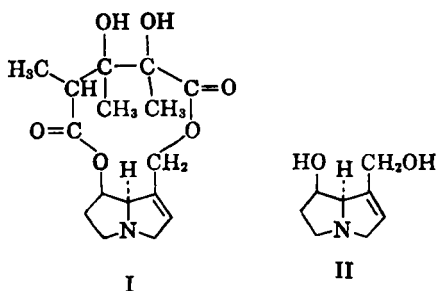


cine (II), characterized by comparing the melting points of the base and its hydrochloride with reported values (4).



(1) Culvenor, C. C. J., and Smith, L. W., *Australian J. Chem.*, **10**, 474(1957).

(2) Adams, R., Shafer, P. R., and Braun, B. D., *J. Am. Chem. Soc.*, **74**, 5612(1952).

(3) *Ibid.*, **74**, 5878(1952).

(4) For a review of "Senecio Alkaloids," see Leonard, N. J., in Manske, R. H. F., "The Alkaloids," Vol. VI, Academic Press, Inc., New York, N. Y., 1960.

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Books

REVIEWS

Organic Syntheses. Collective Vol. IV. Edited by NORMAN RABJOHN. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. xiv + 1036 pp. 15 × 23 cm. Price \$16.50.

This ten-year collective volume covers the materials in the annual volumes 30-39. This book provides the name of the laboratory where the procedure was developed as the first reference for each procedure and also includes an author index. Illustrations of several pieces of equipment or illustrated suggested modifications in equipment are provided. Errors in the original printings of some of the procedures have been corrected, calculations and references checked, and modifications or improvements incorporated. The volume retains the many distinctive features of previous collective volumes which have made them such valuable laboratory tools.

Progress in Physical Organic Chemistry. Vol. 1. Edited by S. G. COHEN, A. STREITWIESER, JR., and R. W. TAFT. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1963. ix + 411 pp. 15.5 × 23 cm. Price \$15.

Interscience Publishers present the first volume of a new series edited by Saul G. Cohen of Brandeis University, Andrew Streitwieser, Jr., of the University of California (Berkeley), and Robert W. Taft of the Pennsylvania State University covering the relatively modern field of physical organic chemistry. The series is designed to provide a forum for the exchange of views and for critical and authoritative reviews of topics reported in the contemporary outpouring of articles in the field. The authors of the individual sections have been given wide discretion so that each topic discussed should show an individualistic treatment. Treatment of subjects will be more detailed than the conventional textbook style so as to be useful to graduate and practicing organic chemists who may not have any particular expertise in physical organic chemistry.

The topics presented in this volume are ionization potentials in organic chemistry, nucleophilic aromatic substitution reactions, ionization and dissociation equilibria in solution in liquid sulfur dioxide, secondary isotope effects, and quantitative comparisons of weak organic bases.

Papers on Human Genetics. Edited by S. H. BOYER, IV. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1963. x + 305 pp. 15 × 23 cm. Price \$9.

A collection of papers originally published in technical and scientific journals providing background materials on human genetics is presented. One outstanding contribution of this work is providing an English translation of some of the reports which were originally published in German or French. Brief introductory annotations have been included. The collection is designed to illustrate the various ways in which the study of human genetics has proceeded. The examples have been chosen primarily to benefit the newcomers: the students of various rank and training who have become intrigued with human genetics and its problems and wish to have some firsthand knowledge of its origins.

Identification of Organic Compounds. By N. D. CHERONIS and J. B. ENTRIKIN. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1963. xii + 477 pp. 15.5 × 24 cm. Price \$8.95.

An abridgment and revision of "Semimicro Qualitative Organic Analysis" incorporating materials which are either essential or useful to students of elementary or intermediate organic chemistry is presented. It includes the discussions of, and procedures for, the classification of an unknown substance by its solubility behavior and its acid-base characteristics, general tests for structure and functional groups, specific tests for chemical classes, and an entirely new chapter on the use of paper chromatography and infrared spectroscopy in the identification of organic substances. The volume

also includes an item easily overlooked in a student text: procedures for laboratory accidents and first aid which is prominently placed on the inside front cover and adjoining page.

Scientific Research in British Universities and Colleges 1962-63. Dept. of Scientific and Industrial Research and The British Council, 1963. Agents for Her Majesty's Stationery Office: Sales Section, British Information Services, 845 Third Ave., New York 22, N. Y. xxv + 669 pp. 13 × 21 cm. Price \$6.50. Paperbound.

Brief notes on scientific research in progress in British universities and associated institutions describe the nature of the projects in sufficient detail to indicate the scope of the research done by the various science departments and individual teams of investigators. Entries are arranged alphabetically by university and subjects covered under a university listing are also alphabetized. A name index permits rapid reference to work of a given individual and a subject index gives a convenient means to locating projects of particular interest in any of the several institutions covered. Both indexes are quite extensive and are complete.

Handbook of Laboratory Distillation. By ERICH KRELL. Elsevier Publishing Company, Inc., 52 Vanderbilt Ave., New York 17, N. Y., 1963. x + 561 pp. 15 × 23 cm. Price \$18.

A comprehensive account of laboratory distillation from the earliest known applications of this fundamental separation method to the more recent development and trends is presented in this one volume work. Units of measurement are defined, concepts clarified, physical theory of separation and the properties of mixtures receive ample treatment; a detailed consideration of the general and selective processes utilized in modern distillation laboratories. Chapters are also devoted to constructional materials and apparatus, automatic devices—measuring and control equipment, and arrangement of a distillation laboratory and the starting up of distillation. Appendixes provide the Cox chart families and their focal points data for text mixtures, and examples on the calculation of distillation conditions. A pocket-part series of nomograms provide concentration calculations, ideal equilibrium curves, minimum plate number for ideal mixtures, barometer and thermometer corrections, among others. In a word it is truly comprehensive.

NOTICES

Clinical Toxicology of Commercial Products. By M. N. GLEASON, R. E. GOSSELIN, and H. C. HODGE. The Williams & Wilkins Company, Baltimore 2, Md., 1963. XV + 1219 pp. 18 × 26 cm. Price \$22.

Sera. By D. PETROVIC. NOLIT Publishing House, Terazije 27/II, Belgrade, Yugoslavia, 1962. Available from the Office of Technical Services, U. S. Dept. of Commerce, Washington 25, D. C. 201 pp. 16.5 × 23.5 cm. Paperbound. Price \$2.

Actualities Pharmacologiques. By RENE HAZARD and JEAN CHEYMOL. Masson & C^{ie}, Editeurs,

Libraires de L'Academie de Medecine, 120, Boulevard Saint-Germain, Paris VI^e, 1963. 313 pp. 15.5 × 24 cm. Paperbound. Price 65F.

Travaux des Laboratoires de Matiere Medicale et de Pharmacie Galenique de La Faculte de Pharmacie de Paris. By M. M. JANOT and R. PARIS. Vigot Freres, Editeurs, 23, Place de L'Ecole-de-Medecine, 1962. 15 × 23.5 cm. Paperbound.

Beziehungen zwischen den physikalisch-chemischen Eigenschaften und der Wirkung von Lokalanesthetica. By JAKOB BUCHI and XAVIER PERLIA. Editio Cantor Aulendorf. Wurtz, W. Germany, 1962. 284 pp. 14.5 × 21 cm.

Chemotaxonomie der Pflanzen, I. By R. HEGNAUER. Birkhauser Verlag, Basel 10, Switzerland, 1962. 517 pp. 17 × 24 cm.

Cahiers de Synthèse Organique. Vol. X. By J. MATHIEU, A. ALLAIS, and J. VALLS. Masson et C^{ie}, Editeurs, Libraires de l'Academie de Medecine, 120, Boulevard Saint-Germain, Paris VI^e, 1962. 560 pp. 15.5 × 22.5 cm. Price 180 F.

Dunnschicht-Chromatographie. Ein Laboratoriumshandbuch. By EGON STAHL. Springer-Verlag, Berlin, 1962. xv + 534 pp. 16 × 23.5 cm. Price DM 56.

Funktionelle und Morphologische Organisation der Zelle. Wissenschaftliche Konferenz der Gesellschaft Deutscher Naturforscher und Arzte in Rottach-Egern 1962. Springer-Verlag, 1 Berlin 31 (Wilmersdorf) Heidelberger Platz 3 (Berlin-West), Germany, 1963. 253 pp. 15 × 23 cm. Paperbound. Price DM 36.

Inyectables Y Su Control. By CARLOS MARTIN P. y WIRTH LINDEMANN. Compania Editorial Continental, S. A., Calzada de Talpan No. 4620, Mexico 22, D. F., 1962. 613 pp. 15.5 × 23 cm.

Antibiotiques. By G. Hagemann. (Die Rohstoffe des Pflanzenreichs. By J. Von Wiesner. 2. Lieferung). Verlag Von J. Cramer, Weinheim/Bergstr., Germany, 1963. 272 pp. 16 × 24 cm. Paperbound.

Tritium Markierung. By MARTIN WENZEL and P. EBERHARD SCHULZE. Walter de Gruyter & Co., Berlin W 30, 1962. xi + 176 pp. 13.5 × 19 cm.

Handbuch der Experimentellen Pharmakologie. Ions Alcalino-Terreux. Tome 1. Edited by ZENON-MARCEL BACQ. Springer-Verlag, 1 Berlin 31 (Wilmersdorf) Heidelberger Platz 3, Berlin-West, 1963. xvii + 574 pp. 16.5 × 25 cm. Price DM 148.