

REVIEWS

The Encyclopedia of Chemistry. 2nd ed. Edited by G. L. CLARK and G. G. HAWLEY. Reinhold Publishing Corp., 430 Park Ave., New York, N. Y. 10022, 1966. xxi + 1144 pp. 18 × 26 cm. Price \$25.

The newly revised and updated version of this one-volume encyclopedia contains more than 800 articles, by approximately 600 authors covering the various aspects of chemistry. Special emphasis is given to current concepts such as chemical bonding, molecular orbitals, and coordination theory, in addition to new developments in instrumental analysis. To keep the book a reasonable size, biographies of the early prominent chemists, which appeared in the first edition, were deleted. Descriptions of organizations and societies and topics outdated or considered unessential in today's chemistry were also excluded. The length of the articles and the information included varies due to the varied authorship. For example, two pages are devoted to the physiology of digestion while one-half page covers diffusion and one-half page covers heterocyclic compounds with only one cross-reference included. Articles are in the book in alphabetical sequence with cross-references placed at the end of the article. A 30-page index is included as an aid in finding topics contained within an article. Some slight variations in alphabetizing exist also. For example, "Formulas, Chemical" is included in F's while "Chemical Nomenclature" is in the C's. In the latter case, nomenclature is not indexed. These, however, are probably minor faults. In general the writing is straightforward and the information is presented in an organized and concise fashion.

Staff review

Drugs in Current Use 1967. Edited by WALTER MODELL. Springer Publishing Co., Inc., N. 200 Park Ave. South, New York, N. Y. 10003, 1967. vii + 152 pp. 14 × 21 cm. Price \$2.75. Paperbound.

Drugs of current clinical use or interest are presented with a concise summary of the information needed for their safe use and handling. Items are in alphabetical order. Trademark names are included and cross-referenced, but manufacturers are not identified. Except for a few items, such as the oral contraceptives, no combination products are listed. Information given for each drug varies from a short use and dose statement to a capsule summary which covers actions, uses, absorption, cautions, antidote, stability, dose, and preparations available. To keep the handbook size, many items are not included—immunologic agents, radiopaques, solvents, etc. In general, however, it appears that most of the drugs encountered day-to-day in the community pharmacy are covered.

Staff review

Thesis Manual for Students in the Pharmaceutical Sciences. By THEODORA ANDREWS. Copies may be obtained from the Edward C. Elliott Hall of Music Box Office, Purdue University, Lafayette, Ind. 47907. 35 pp. 21 × 27.5 cm. Price \$1.50. Paperbound.

Written by a pharmacy librarian, this 35-page booklet presents information basic to the writing of a research paper. The manual presents some ideas on how to search the pharmaceutical literature, and library, indexing, and abstracting services are listed and explained. Brief editorial comments point out the pertinent features and limitations of these various services and publications. Especially detailed information about the use of *Chemical Abstracts* is given. Recording and organizing data from literature sources is discussed with a sample method given. Suggestions on form and style of footnotes, references, abbreviations, etc. are also included with examples of each. Much of the information may seem to be almost too basic for those who are familiar with literature searches. However, for one who lacks this experience, it appears to present much useful information.

Staff review

Encyclopedia of Industrial Chemical Analysis. Vols. 2 and 3. *General Techniques F-O* and *P-Z*. Edited by FOSTER DEE SNELL and CLIFFORD L. HILTON. Interscience Publishers, a division of John Wiley & Sons, Inc., 605 Third Ave., New York, N. Y. 10016, 1966. xi + 769 pp. 18.5 × 26 cm. Price \$35 subscription, \$45 single copy.

With the publication of these volumes, the first part of the "Encyclopedia" is now complete.

An example of the type of coverage given to a particular topic is the 40-page chapter on paper chromatography. A brief history of paper chromatography is given followed by a discussion of theory. Types of paper and factors involved in selecting the paper are considered as well as the various methods of development. Selection of the solvent system, sample preparation, application of the sample, detection, identification, sources of loss and error, experimental details, and applications are also covered. There are numerous cross-references within the chapter, so it appears the editors have avoided the duplication which often occurs in multi-authored books. Selected topics covered in these two volumes are: particle size and surface area, phase equilibria and its analytical applications, recorders, standard-setting organizations, x-ray methods of analysis, flammability determinations, magnetic susceptibility, nephelometry, and turbidimetry. The index to all three volumes is included in volume 3.

A review of volume 1 appeared in *J. Pharm. Sci.*, 55, 993 (1966).

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