

NEW BOOKS

J. F. GERECHT, BOOK REVIEW EDITOR

Using the Chemical Literature: A Practical Guide, Henry M. Woodburn, (Marcel Dekker, Inc., New York, NY, 1974, 302 pp., \$14.50 [paperback]).

A prudent person will search the chemical literature before embarking upon a research project, but the enormous body of literature in chemistry makes this task somewhat discouraging and frustrating. The present book covers use of materials which are somewhat less obvious to the user, and hence may not be routinely consulted. The use of this guide should make the task of literature searching materially easier. The book is divided into 18 chapters. Chapter 1 is an introduction and is followed by a discussion of library classification systems. Subsequent chapters cover United States Government publications, monographs, review serials, and other reference books, nomenclature-structure correlations, various collections of physical data, spectra collections, Beilstein's Handbuch, the literature of experimental organic chemistry, Gmelin's Handbuch, various abstracting services, scope and use of indexes to chemical abstracts, retrospective searches, alerting services, microform publication, translations, patent literature, and computer readable material. References are provided at the end of each chapter for those wishing to delve further into pertinent literature. This book should serve as a reference guide for anyone who desires an organized access to the literature of chemistry.

E.G. PERKINS, PhD
Department of Food Science
University of Illinois
Urbana, Illinois 61801

Separation and Purification Methods, Vol. 3, Edited by Edmond S. Perry, Carol J. van Oss, and Eli Gruska, (Marcel Dekker, Inc., New York, NY, 1975, 463 pp, \$29.50).

This is Volume 3 of a continuing series bringing to the attention of the technical community the most recent advancement in methods of purification and separations. The present volume includes new methodology as well as discussions of the latest details for difficult separations by conventional methods. The present volume discusses ligand specific chromatography, open pore polyurethane adsorption, membrane separations, plasma chromatography, microcapsule dialysis, fusion reaction gas chromatography, counter current chromatography, high pressure ion exchange chromatography, ion exclusion-ion exchange chromatography, and porous layer open tubular gas chromatography.

Materials discussed for the separations include complex biologicals, gases, ions, inorganic mixtures, and simple organic materials such as closely related hydrocarbons. In some cases a short description of the mathematical basis for the separations is given. Each chapter is written by a specialist in the field covering the literature through the first part of 1974.

Each chapter is written clearly and the subject index, though abbreviated, contains a listing of the particular compounds or mixtures discussed in the text. The book is printed from photo offset printing plates made directly from the authors' manuscript, yielding a crisply printed page, easy to read.

The book should be of interest to engineers, researchers, and students working in the field and desirous of obtaining

the latest information on new methods of purification and separation that might be applied to their particular problems. The series also will keep others generally informed about advances in the field and serve as a valuable reference source.

BERNARD S. WILDI
Dept. of Life Sciences
Monsanto Company
St. Louis, Missouri 63166

Handbook of Moisture Determination and Control, Principles, Techniques, Applications, Volume 3, A. Pande, (Marcel Dekker Inc., New York, NY, 1975, 873 p. \$33.50).

This complete handbook consists of four volumes, Vols. 1 and 2 being devoted to a description of fundamental techniques, and Volumes 3 and 4 to applications of the basic methods to various industrial products.

Volume 3, the subject of this review, describes techniques of measuring moisture in a variety of industrial products including textiles, wood, paper, agricultural products, foods, soils, concrete and silicates. The various approaches described include gravimetric, azeotropic, chemical, electrical, spectroscopic and nuclear. Discussions of the comparative merit and short-comings of the various techniques plus descriptions of the fine points involved in application of the techniques are included.

The book is divided into four chapters, each of which is devoted to the various classes of materials. Many novel procedures are detailed and extensive literature references are included at the end of each chapter. Photographs of equipment and circuit diagrams of some of the electrical approaches will be found useful. The printing is clear, and the subject matter is presented in a logical and understandable manner.

This volume can be recommended as a useful reference for any laboratory responsible for moisture control of the classes of materials described.

ROBERT M. KELLEY
Colgate-Palmolive Co.
Piscataway, NJ 08854

R.L. Klein Retires

Robert L. Klein has retired as Southern Regional Vice President, Durkee Industrial Foods Group/SCM Corporation, Louisville, Kentucky, according to A.J. Lathe, Group Vice President.

A native of Moberly, Missouri, he was graduated from St. Benedict's College in Kansas where he majored in economics. He was associated with the industrial foods industry for more than 40 years, with his early affiliations being Capital City Products Co. and Swift & Co.

Mr. Klein joined Durkee in 1960 in Chicago and served as Midwest Sales Manager, Midwest Regional Manager, and later General Manager, and Operations Manager prior to becoming Southern Regional Manager in 1969. He was named Southern Regional Vice President in 1970.

Active in the industrial foods industry, he is a member of AOCS and the Society of Bakery Engineers. ■