Book Exhibits

AOCS 48th Annual Fall Meeting September 29-October 2, 1974 Philadelphia

American Society for Testing and Materials, 1916 Race St., Philadelphia, Pa.

Compilation of Odor and Taste Threshold Values Data- DS 48. This volume contains odor threshold data on 775 compounds and taste threshold data on 435 compounds. It is the first book of its type to be published. Information includes type, modality, media, purity, threshold values, units, molecular weight, Wiswesser Line notation, and literature source.

Bibliography on Liquid Exclusion Chromatography (Gel Permeation Chromatography) AMD 40. This book contains hundreds of references through 1972 and permits systematic access to published works.

AVI Publishing Company, 250 E. State St., P.O. Box 831, Westport, Conn.—Donald K. Tressler

Fish Oils, M.E. Stansby. This book gives comprehensive treatment of fish oils on a world-wide basis. Recent advances in research and new techniques have expanded our knowledge of fish oils greatly, particularly with respect to the chemical and nutritional properties.

Lipids and Their Oxidation, Harold W. Schultz. This review and appraisal of present knowledge of oxidative deterioration of lipids contains 21 papers presented at the second biennial Symposium on Foods arranged by Oregon State University.

Coconuts: Production, Processing, Products, J.G. Woodroof. This book is an attempt to bring together the latest scientific information on coconuts, including varieties, propagation, planting, growing, harvesting, storing, copra manufacture, copra meal in livestock feed, coconut oil recovery, use of coconut oil in toilet soap, etc.

Quality Control for the Food Industry: Fundamentals, Vol. I., A. Kramer and B.A. Twigg. This book covers a section on microbiological methods and includes an entirely new chapter on chromatographic methods. The first part of the book deals with measurements. Methods of measuring sensory attributes of quality are presented.

Quality Control for the Food Industry: Applications, Vol. II, A. Kramer and B.A. Twigg. This book is a reference handbook on analytical and other control procedures that may be used by the practicing quality control analyst or inspector; and it serves as a text for a laboratory course in quality control. It supplements Volume I.

Food Oils and Their Uses, Theodore J. Weiss. This book provides information on fat and oil products and their uses. Processing is stressed, although scientific background is not ignored. All material is presented in a manner which does not require technical training for comprehension.

Cornell University Press, 124 Roberts Place, Ithaca, N.Y.—Michael E. Hamilton

Lipid Biochemistry: An Introduction, M.I. Gurr and A.T. James. This book introduces students to the range of topics related to lipids. The book includes a specific discussion of plant and bacterial fatty acids and complex lipids, as well as proper consideration of current animal lipid biochemistry.

Robert E. Krieger Publishing Co., Inc., P.O. Box 542, Huntington, N.Y.—Robert E. Krieger

Chemical Analysis of Foods and Food Products, Morris B. Jacobs. This standard reference to analytical methods is now thoroughly revised and expanded to include new chapters on radiochemical determination, pesticide residues, and artificial sweetening agents as applied in the development and enforcement of standards of identity, purity, and value.

Surface Chemistry: Theory and Industrial Applications, Lloyd I. Osipow. This first book presents a detailed description of the properties of these agents, both in solutions and as surface films, and contains a thorough discussion of commercial applications of wetting, dispersion and flocculations, emulsions, foams, detergency, ore flotation, lubrication, and corrosion inhibition.

Merck & Co., Inc., Rahway, N.J.—John Lawson

The Merck Index: An Encyclopedia of Chemicals and Drugs, Paul G. Stecher, editor. A complete encyclopedia of virtually all generally known chemical and drug entities is provided. In addition to illustrated chemical descriptions it contains a wealth of reference information for chemists, pharmacists, physicians, biologists, chemical engineers, botanists, veterinary physicians, physicists, students, and others interested in chemical compounds for any reason.

The Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, N.Y.—Kathryn A. Muessig

Lipid Analysis, W.W. Christie. This volume surveys the

CALL FOR PAPERS

AOCS 66th Annual Spring Meeting

The Technical Program Committee has issued a call for papers to be presented at the AOCS 66th Annual Spring Meeting, April 27-30, 1975, in the Statler Hilton, Dallas, Tex. Papers on lipids, fats and oils, and all related areas are welcome.

Submit three copies of a 100-300 word abstract with title, authors, and speaker to Thomas H. Smouse, Research Scientist, Anderson Clayton Foods, 3333 N. Central Expy., Richardson, Tex. 75080.

The deadline for submitting papers is December 1, 1974. ■

current methodology for isolation, identification, and determination of lipid classes and their component parts. The author critically examines literature on lipids and brings together in a systematic manner the best of the procedures that have been developed.

Progress in the Chemistry of Fats and Other Lipids, Volume 13, R.T. Holman. This book is designed to fill a serious gap in the literature of a field in which there is rapid expansion. Each volume contains a number of critical up-to-date surveys of special branches of this subject. Of interest not only to the specialist but also to the chemist, biochemist, and medical scientist interested in lipid chemistry.

Fat-Soluble Vitamins, R.A. Morton. A detailed and comprehensive review of the many different aspects of the science and technology of fat-soluble vitamins is presented. Certain of the topics covered have never been reviewed previously in depth, but, in this book, they are surveyed systematically by specialists in the field.

Biochemical Pharmacology, Rudolph A. Peters, Chairman Editorial Board. This journal provides a forum for the publication of all phases of pure and applied cellular and molecular pharmacology. It includes organochemical, physiochemical, biochemical and cytological studies, as well as short communications, preliminary communications, book reviews, announcements and notices.

Biochemical Systematics, E. Schoffeniels and T. Swain, editors. This journal is devoted to the publication of original articles and occasional invited reviews on the application of biochemistry and chemistry to systematic problems in biology. All classes of organisms susceptible to chemical or biochemical study will be covered, and any type of chemical or biochemical information may be used in demonstrating their phyletic or other interrelationships.

Biorheology: The Official Journal of the International Society of Biorheology, A.L. Copley and G.W. Scott Blair, editors. Biorheology comprises the study of deformation and flow of biological systems or of materials directly derived from living organisms. Provisions are made for publishing articles on descriptions of apparatus and techniques for biorheological studies. Works published in English, French, German, and Russian concerned with processes in the living organism and with materials originating from the organisms.

Journal of Steroid Biochemistry, J.R. Pasqualini and R. Scholler, editors. This journal meets the growing interest in steroid biochemistry by providing an international forum for workers concerned with any aspect of the subject: structure and physicochemical properties, the methodology of their detection and measurement, biosynthesis and catabolism, mechanism of action of steroid hormones at cellular and molecular level, their interaction with other classes of compounds, effect of steroids, microbiological transformation, and comparative endocrinology of steroids.

Life Sciences, B.B. Brodie, Chairman, Editorial Board. This journal provides a medium for the prompt publication of new and significant information in biology. *Life Sciences* publishes full-lenth papers in English on the results of original research in all branches of the biological sciences for a broad scientific audience. It represents a growing awareness of the value of an integrative approach in the solution of major problems in the life sciences.

Plenum Publishing Corp., 227 W. 17th St., New York, N.Y.—Eleonore Jentsch

Fungal Lipid Biochemistry, J.D. Weete. This volume examines comprehensively the distribution and biochemistry of lipids in fungi. Reviewing the literature to date, the author explores total lipid abundance in fungal cells and cell fractions and the distribution and metabolism of the major lipid classes as they occur in fungi. In addition there are two contributions by leading specialists on the physiology and ultrastructure of fungal spore formation and germination with particular emphasis on lipids.

Methods in Membrane Biology, Vol. I, E.D. Korn, editor. Volume I discusses the preparation and use of liposome membrane models and describes experimental methods for equilibrium studies with monolayers. Renowned experts explore the reconstitution of mitochondrial membranes and derive a method for the reassembly of all membranes. Included is a report of circular dichroism and absorption studies on biomembranes.

Methods in Membrane Biology, Vol. II, E.D. Korn editor. The second volume discusses the application of nuclear magnetic relaxation measurements to membrane biology and explores the relationship of these measurements to the organization of membrane lipids. Noted scientists examine the isolation and characterization of membrane glycoproteins and glycolipids and provide a succinct account of procedures for the preparation and isolation of "right-side-out" and "inside-out" sealed membrane vesicles. Additionally, this, work reports on a sophisticated experimental and mathematical analysis of the kinetics of membrane transport.

The Prostaglandins, Vol. I, P.W. Ramwell, editor. Reflecting the rapid progress in prostaglandin research, world-renowned medical scientists, including Nobel Laureate U.S. von Euler, critically examine recent developments of a wide variety of topics currently generating biomedical interest. The first systematic and interdisciplinary work in this crucial area, Volume I in this major, new treatise focuses on the role of this biogenic agent in regulating and modulating physiological functions.

The Bile Acids: Chemistry, Vol. I, P.P. Nair and D. Kritchevsy, editors. This volume is devoted exclusively to the chemistry of bile acids. It contains chapters by internationally recognized experts on the methodology for their isolation and determination, their mass spectrometry, and their physical chemistry.

The Bile Acids: Physiology and Metabolism, Vol. II, P.P. Nair and D. Kritchevsky, editors. Focusing on significant research on the bile acids and their salts in the last decade, an international team of experts treats the physiological and metabolic aspects of these substances in this volume. In particular, these vital areas are emphasized: the implications of recent studies in the mechanisms of bile acid biogenesis and in the transport of bile salts through the enterohepatic circulation, the response of bile salt metabolism to hormonal and pharmacological stimulation, and the metabolism of bile salts in relation to health and disease.

Practical Liquid Chromatography, S.G. Perry, R. Amos, and P.I. Brewer. Offering a step-by-step guide to practical aspects involved in producing effective separations of lipophilic substances in organic media, this volume provides a thorough background on thin layer techniques and emphasizes new column technology.

Raven Press, 15 W. 84th St., New York, N.Y.

Dietary Lipids and Postnatal Development, C. Galli, G. Jacini, and A. Pecile. This book provides a multidisciplinary account of the problems related to nutritional requirements and the biological roles of dietary lipids during early stages of postnatal development in mammals and, especially, in man. The relevance of lipids and lipid-soluble vitamins to growth emerges from studies carried out with several experimental models and from clinical observations. ■