

ress in major areas of chemistry under consideration. The individual reviewers have again been asked to comment on highlights in their subject, a highly commendable and worthwhile objective; many of the salient and significant research contributions in the individual chapters are listed in the introduction to the volume.

The current book contains surveys of the following subjects (reporters' names in parentheses): Three- and Four-membered Ring Systems (R.C. Storr); Five-membered Ring Systems (G.V. Boyd); Six-membered Homocyclic Compounds (A.W. Somerville); Six-membered Heterocyclic Systems (R.K. Smalley); Seven-membered Ring Systems (G.R. Proctor); Medium-sized Rings and Macrocycles (O. Meth-Cohn); Electrophilic Substitution (D.J. Chadwick); Nucleophilic Substitution Reactions (G.M. Brooke); Aromatic Substitution by Free Radicals, Carbenes, and Nitrenes (R.S. Atkinson); and Porphyrins and Related Compounds (A.H. Jackson). The coverage in all of these areas is excellent.

Although references to aliphatic and lipid chemistry are relatively sparse, there is so much good chemistry reviewed that the book is recommended highly for all organizations conducting modern organic chemical reactions. The volume is replete with equations, reaction mechanisms, and a huge list of references. As usual, the price will discourage individual purchases, but all technical libraries should acquire a copy.

DANIEL SWERN  
Professor of Chemistry  
Temple University  
Philadelphia, PA 19122

## New Publications Received

*Trace Organic Analysis: A New Frontier in Analytical Chemistry*, U.S. Department of Commerce/National Bureau of Standards, Edited by H.S. Hertz and S.N. Chesler, 817 p., 1979. *Mass Spectrometry in Biochemistry and Medicine*, Vol. 2, Edited by A. Frigerio, (Plenum Publishing Inc., 492 p., 1979, \$45). *Carotenoids-5*, (IUPAC Symposium), Edited by T.W. Goodwin, (Pergamon Press, 886 p., 1979, \$36). *Chemistry Reviews*, Vol. 1, Soviet Scientific Reviews, Section B, Edited by M.E. Vol'pin, (Harwood Academic Publishers, 277 p., 1979, \$46). *Metal Vapour Synthesis in Organometallic Chemistry*, Edited by J.R. Blackborow and D. Young, (Springer-Verlag New York, 202 p., 1979, \$53.90). *Flow-Induced Crystallization in Polymer Systems*, Edited by R.L. Miller, Midland Molecular Monographs, Vol. 6, (Gordon and Breach Science Publishers, Inc., 370 p., 1979, \$42.50). *Organics Analysis Using Gas Chromatography Mass Spectrometry*, Techniques and Procedures Manual, by W.L. Budde and J.W. Eichelberger, (Ann Arbor Science Publishers, Inc. 235 p., 1979). *Report of the High Density Lipoprotein Methodology Workshop*, Edited by Kenneth Lippel, (U.S. Department of Health, Education and Welfare, [NIH 79-1661], 399 p., 1979). *Radiation Protection*, by Commission of the European Communities, (Harwood Academic Publishers, 854 p., 1979, \$68.50). *Ion Chromatographic Analysis of Environmental Pollutants*, Vol. 2, Edited by J.D. Mulik and E. Sawicki, (Ann Arbor Science Publishers, Inc., 435 p., 1979). □

# Lipids

## JANUARY 1980

Specificity of Rice Germ Lipoyxygenase  
Interaction of Porcine Pancreatic Colipase with Triton X-100  
Lipofuscin in Vitamin E Deficiency and the Role of Retinol  
Phosphoinositides in Subfractions of Myelin  
Partial Synthesis of [1-<sup>14</sup>C] Phytanic Acid  
24(E)-Ethylidene Sterols in Higher Plants  
Phosphatidic Acid Phosphohydrolase of Mammary Tissue  
Origin of Carotene in Bovine Milk Fat Globules  
Mononuclear Cell Cholesteryl Ester Hydrolase Activity  
Lipoxygenase-Linoleate Decomposition Products  
Nystatin and Amphotericin B Resistant Tobacco Callus  
Reduction of EFA Deficiency by Feeding a Low Iron Fat Free Diet  
Separation of Phospholipids in Thin Layer Chromatography  
Desaturation of Isomeric *cis* 18:1 Acids  
<sup>1</sup>H-NMR Identification of Chondrillasterol in Higher Plants  
220 MHz <sup>1</sup>H NMR of C-24 Epimeric Scallop Sterols

## FEBRUARY 1980

Intestinal Metabolism of Differently Saturated Plasma FFA  
Phospholipid and Fatty Acid Turnover in Coho Salmon  
Interaction of HDL<sub>2</sub> with Saturated Phosphatidylcholines  
HPLC of Oxidized and Unoxidized Molecular Species of Soy PC  
Liver and Serum Lipids and Lipoproteins of Rats Fed 5% L-Lys  
Inhibition of Desaturases by *trans* Acids  
Hepatic Lipogenesis in Nephrotic Rat  
On the Role of 24-Hydroxylation in Cholic Acid Formation  
10 $\alpha$ -Cucurbita-5,24-dien-3 $\beta$ -ol from Gourd Seed Oil  
The Quantitative Estimation of Cholesterol  $\alpha$ -oxide in Eggs  
Neutral Lipids in the Tissues of the Oyster  
Cholesterol Absorption  
Analysis of Alpha Tocopherol in Red Blood Cells by GLC