

Publications

Book reviews

Practice of Thin Layer Chromatography, 2nd Edition, by Joseph C. Touchstone and Murrell F. Dobbins (John Wiley & Sons Inc., 605 Third Ave., New York, NY 10158, 1983, 405 pp., \$40).

The second edition differs from the first by the addition of two chapters (25 pages) on reversed-phase TLC and high performance TLC. Except for a few references to Touchstone's own work, the literature citations are the same as in the 1978 edition. Based on a page-by-page comparison, figures and text are largely a verbatim reproduction of the first edition. Tables of commercially available products have been updated. This book is intended as a primer or cookbook for the rank amateur. The authors have done an excellent job of tailoring the contents for the intended audience. This is an ideal book for anyone looking for recipes (i.e., 207 spray reagents) rather than theory.

Lipid Peroxides in Biology and Medicine, edited by Kunio Yagi (Academic Press Inc., 111 Fifth Ave., New York, NY 10003, 1982, 364 pp., \$29.50).

This volume is based on the conference on Lipid Peroxides in Biology and Medicine held in November 1980 in Nagoya, Japan. Lipid peroxidation became respectable about 10-12 years ago with the acceptance of enzymatically generated and catabolized free radicals and the discovery of an enzymatic process for removal of lipid peroxides. With respectability came a massive increase in the outpouring of papers on this topic. The chapter breakdown is one each from Sweden, Germany and Canada, eleven from the U.S.A.

and nine from Japan. A subscriber to Pryor's series "Free Radicals in Biology" will find a certain amount of familiar information. Of more interest to this reviewer was the high content of clinically oriented chapters largely by Japanese authors. Indeed the editor's chapter is titled "Assay for serum lipid peroxide level and its clinical significance." Several chapters consider broad topics such as lipid peroxides and liver diseases, vascular diseases, thrombosis formation and aging while several more consider relatively narrow topics such as adriamycin cardiotoxicity and a photosensitization syndrome related to phophorbidea. Other related chapters are peroxide-mediated metabolic activation of carcinogens (O'Brian) and lipid peroxidation and oxidative damage to DNA (Ames, Hollstein and Cathcart). Slowly but surely, we are finding the reality of lipid peroxidation and its possible clinical significance being investigated and discussed at a reasonable scientific level. The only problem with this book is the temptation to throw it out of the window as one author after another equates TBA-reactive materials with lipid peroxides. I hope that this pet peeve of mine is not equally aggravating to too many potential readers.

On balance, this is an excellent book offered at a very reasonable price. Symposia volumes of this type have a rather short useful life. By providing access to so much Japanese work in one volume, this book may have a somewhat longer life span. The book can be recommended to lipid chemists and biochemists interested in lipid peroxidation.

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New publications

Proceedings of the 1983 meeting of the International Association of Seed Crushers (held Feb. 23-25, 1983, in Manila, The Philippines), IASC, 8 Salisbury Sq., London EC4P 4AN, United Kingdom, 128 pp., £ 22.

1983 Soya Bluebook, American Soybean Association, General Sales, PO Box 27300, St. Louis, MO 63141, 1983, 220 pp., \$25 first copy, \$15 each additional copy ordered at the same time.

The Maillard Reaction in Foods and Nutrition, edited by George R. Waller and Milton S. Feather, American Chemical Society, Distribution Office, Dept. 271, 1155 16th St., NW, Washington, DC 20036, 1983, 585 pp., U.S. and Canada \$59.95, elsewhere \$71.95.

Mechanisms of Inorganic and Organometallic Reactions, Vol. 1, edited by M.V. Twigg, Plenum Publishing Corp., 233 Spring St., New York, NY 10013, 1983, 373 pp., U.S. and Canada \$49.50, elsewhere 20% higher.

Seed Proteins, edited by J. Daussant, J. Mossé and J. Vaughan, Academic Press Inc. (London) Ltd., 24-28

Publications

Oval Rd., London NW1 7DX, England, 1983, 335 pp., U.S. \$50, £ 28.

From Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016:

Liposomes, edited by Marc J. Ostro, 1983, 397 pp., U.S. and Canada \$58.75, elsewhere 20% more.

Liquid Chromatography Detectors (Chromatographic Science Series, Vol. 23), edited by Thomas M. Vickrey, 1983, 434 pp., U.S. and Canada \$57.50, elsewhere \$69.

Foam Flotation: Theory and Applications (Chemical Industries, Vol. 11), by Ann N. Clarke and David J. Wilson, 1983, 418 pp., \$65.

From Elsevier Science Publishers Co. Inc., PO Box 1663, Grand Central Station, New York, NY 10173 or PO Box 330, 1000 AH, Amsterdam, The Netherlands:

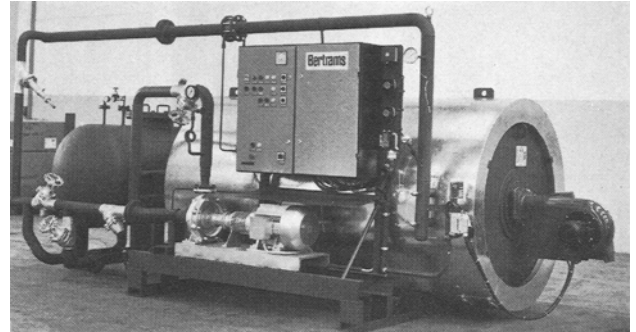
Developments in Food Sciences, Vol. 4: Trichotheceae —Chemical, Biological and Toxicological Aspects, edited by Yoshio Veno, 1983, 313 pp., U.S. and Canada \$85, elsewhere Dfl. 200.

Chromatography: Fundamentals and Applications of Chromatographic and Electrophoretic Methods, Part A —Fundamentals and Techniques, edited by E. Heftmann, 1983, 388 pp., U.S. and Canada \$83, elsewhere Dfl. 195.

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