

Instrumentation

- Resolut. Chromatogr., Chromatogr. Commun.* 4:109 (1981).
4. Traitler, H., and M. Rossier, *Ibid.* 5:189 (1982).
 5. Geeraert, E., and P. Sandra, in *Proceedings of the 6th International Symposium on Capillary Chromatography, Riva del Garda, Italy*, edited by P. Sandra and W. Bertsch, Huethig Publishers, 1985, pp. 179-189.
 6. Jennings, W., *J&W Model II On-Column Injector Manual*.
 7. Carlo Erba Strumentazione, *High Oven Temperature Cold On-Column Injection, Mega Series Instruction Manual*, 5.24-5.26 (1985).
 8. Grob, K. Jr., and T. Laubli, *J. Chromatogr.* 357:345 (1986).
 9. Grob, K. Jr., and T. Laubli, *Ibid.* 357:357 (1986).
 10. Temonia, M., F. Munari and P. Sandra, in *Proceedings of the 8th International Symposium on Capillary Chromatography, Riva del Garda, Italy*, edited by P. Sandra, Huethig Publishers, 1987, pp. 607-622.

Publications

Book review

Nutritional Toxicology, Vol. 2, Nutrition: Basic and Applied Science, A Series of Monographs, edited by John Hathcock (Academic Press Inc., 6277 Sea Harbor Dr., Orlando, FL 32821-9989, 1987, 300 pp., \$65).

This book covers a wide variety of topics that appropriately can be discussed under the title "Nutritional Toxicology." In the initial chapters, the detoxification process is explored and related to the field of nutrition. Other subjects addressed in this book include such diverse topics as toxicological effects of ethanol, caffeine and trace elements, mutagens in cooked food, allergic reactions to foods and nutritional aspects of pesticides.

Because this is a monograph, there is some overlap in terms of the subjects discussed. Some of the introductory chapters review the same detoxification processes; however, the approaches to these topics are quite different. One author provides a very molecular approach, whereas another discusses how various nutrients (fats, carbohydrates, proteins, vitamins and minerals) influence the metabolism and detoxification of drugs, carcinogens and foreign compounds.

Toxicological aspects of alcohol and caffeine are presented in separate chapters. Alcohol is discussed in relationship to a wide variety of diseases; however, emphasis is placed on the pathogenesis of alcoholic liver disease and its interaction with drug, vitamin and mineral metabolism. Effects of ethanol on hyperlipidemia and cardiovascular disease also are discussed, and an update is provided on the relationship between serum lipopro-

teins and ethanol consumption. Research regarding caffeine and its possible relationship with fibrocystic breast disease, sleep, anxiety and hyperactivity also is presented in detail. Some misconceptions about caffeine are addressed in this section.

A chapter also is devoted to a discussion about the mutagenic activity of cooked foods. Emphasis is placed on ways in which mutagens are activated and detoxified as well as methods of measurement. Mention is made of the carcinogenic effects of mutagens in cooked foods.

Food allergies and non-immunologic food sensitivities are presented nicely, with emphasis placed on the listing of common allergenic foods as well as methods of diagnosis and treatment. "Allergy-like" intoxications also are discussed, with particular emphasis placed on the role histamines play in this process.

This monograph ends with a two-chapter review of pesticides and foods. The main types of pesticides are listed, and their chronic and delayed effects on the systems of the body are discussed. Effects of pesticides on food absorption also are mentioned. These authors address how pesticides affect the food chain and mention what they believe will happen in the future regarding such areas as nonchemical pest control and pesticide monitoring.

This book is of value to people in a variety of professions. It would have been helpful if more information had been presented in tabular form for easier reference. Molecular biologists will be more interested in those chapters that have a strictly biochemical approach to toxicology and its relationship to

food, whereas practicing nutritionists and physicians will be interested in the chapters on allergies, ethanol, caffeine and trace elements. Food scientists will gain the most from the chapters that deal with mutagens and pesticides in foods.

I believe this book can be a valuable resource to most of the readers of *JAOCS*. It provides numerous references that are not available elsewhere and deals with critical topics that are of current interest.

George Liepa
Texas Woman's University
Denton, TX

New books

Alternatives to Animal Use in Research, Testing and Education, Office of Technology Assessment, Congress of the U.S., Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1988, 456 pp., \$59.95 US and Canada, \$71.50 elsewhere.

Supercritical Fluid Extraction and Chromatography: Techniques and Applications, ACS Symposium Series 366, edited by Bonnie A. Charpentier and Michael Sevenants, American Chemical Society, 1155 Sixteenth St., NW, Washington, DC 20036, 1988, 253 pp., \$59.95 US and Canada, \$71.95 elsewhere.

Polymer Modified Textile Materials, by Jerzy Wypych, John Wiley & Sons Inc., 1 Wiley Dr., Somerset, NJ 08875-1272, 1988, 317 pp., \$79.95.

Supelco AOCs Research Award

In April 1964, the Governing Board of the American Oil Chemists' Society established an Award in Lipid Chemistry. In 1982, sponsorship of the award was assumed by Supelco Inc. of Bellefonte, Pennsylvania, and the award was renamed the Supelco AOCs Research Award.

This award has been presented to Erich Baer, 1964; Ernest Klenk, 1965; H.E. Carter, 1966; Sune Bergström, 1967; Daniel Swern, 1968; H.J. Dutton, 1969; E.P. Kennedy, 1970; E.S. Lutton, 1971; A.T. James, 1972; F.D. Gunstone, 1973; P.K. Stumpf, 1974; W.O. Lundberg, 1975; George Popjak, 1977; Ralph Holman, 1978; Stephen S. Chang, 1979; James F. Mead, 1980; Laurens van Deenen, 1981; R.M.C. Dawson, 1982; David van Dorp, 1983; Morris Kates, 1984; Bengt Samuelsson, 1985; R.R. Allen, 1986; Andrew A. Benson, 1987; and Konrad Bloch, 1988.

The award consists of \$4,000 plus a travel and expense allowance accompanied by a plaque. The 25th award will be presented during the AOCs annual meeting in Cincinnati, Ohio, May 3-7, 1989.

Canvassing Committee Appointees

Policies and procedures governing the selection of award winners have been set by the AOCs Governing Board. An Award Nomination Canvassing Committee is appointed, whose function is to solicit nominations for the award. Selection of the winner is made by the Award Committee, whose membership remains anonymous.

Rules

A nominee must have been responsible for outstanding original research on fats, oils, lipid chemistry or biochemistry, and must have published the results in technical papers of high quality. Preference shall be given to individuals who are actively associated with research, and who have made discoveries that have influenced their fields of endeavor. The award shall be made without regard for national origin, race, color, creed or sex.

Nominations should consist of a letter of nomination, supporting letters from at least three other scientists and biographical information concerning the nominee. The biographical information must include a summary of the nominee's research accomplishments, a list of publications, degrees held with the names of the granting institutions, and positions held during the nominee's professional career.

Letters of nomination and supporting documents must be submitted in octuplicate before Nov. 1, 1988, to Harry Snyder, University of Arkansas, Department of Food Science, Route 11, Fayetteville, AR 72703.

Call for nominations:

A. Richard Baldwin Distinguished Service Award

This award recognizes long-term, distinguished service to the American Oil Chemists' Society in positions of significant responsibility. The award was first presented in 1981 to Dr. A. Richard Baldwin to recognize his leadership as President, as a member of the Governing Board, as the Director of Publications and as editor of the *Journal of the American Oil Chemists' Society* for more than 30 years. The Awards Administration may propose nominees to the Governing Board, which must approve presentation of the award.

For more information, contact Joyce Beare-Rogers, Bureau of Nutritional Science, Health Protection Branch, Department of Health & Welfare, Ottawa, Ontario, Canada K1A 0L2. Deadline for nominations is Nov. 1, 1988.

Award of Merit

The AOCs Award of Merit is presented annually to the person or persons selected for productive service to AOCs. Leadership in technical, administrative or special committees and activities, outstanding service that has advanced the Society's prestige, standing or interests, and service not otherwise specifically recog-

Potts Award

The Potts Memorial Fellowship is presented annually to a graduate student working in the chemistry of fats and oils and their derivatives. The type of research that qualifies for the award involves fatty acids and their derivatives, such as long chain alcohols, amines and other nitrogen compounds.

The award, presented at the AOCS annual meeting, consists of a \$1,000 honorarium and a plaque. The award is sponsored by Akzo Chemie America to recognize the late Ralph H. Potts, a pioneer in industrial research and technology of fatty acids.

For further information on nomination procedure, contact Lincoln Metcalfe, Director of Research, Akzo Chemie America, 8401 W. 47th St., McCook, IL 60525. Completed nominations should be submitted before Oct. 3, 1988, to AOCS Headquarters, PO Box 3489, Champaign, IL 61821-0489, USA.

Bailey Award

The North Central Section of AOCS is requesting written nominations from AOCS members for the 1989 Alton E. Bailey Award. The award recognizes research and/or service in the field of oils, fats and waxes.

Past Bailey Award recipients include V.C. Mehlenbacher, 1959; R.H. Potts, 1960; J.C. Cowan, 1961; A.R. Baldwin, 1963; T.P. Hilditch, 1965; D. Swern, 1966; W.O. Lundberg, 1967; H.J. Dutton, 1968; H.S. Olcott, 1969; H.E. Carter, 1970; J.F. Mead, 1971; R.T. Holman, 1972; C.M. Gooding, 1973; S.S. Chang, 1974; W.M. Cochran, 1975; Raymond Reiser, 1976; L.A. Goldblatt, 1977; O.S. Privett, 1978; R.O. Feuge, 1979; Frank Norris, 1980; Hans Kaunitz, 1981; Thomas Applewhite, 1982; R.R. Allen, 1983; Cecil Smith, 1984; E.N. Frankel, 1985; E.G. Perkins, 1986; Warner M. Linfield, 1987; and Timothy L. Mounts, 1988.

Please send nominations to
Govind Mirmira
Kraft Inc., Research and Development
801 Waukegan Rd.
Glenview, IL 60025

The deadline for nominations is Nov. 1, 1988. Notification of the selection will appear in *JAOCS*. Presentation of the 1989 Bailey Award is scheduled for February 1989.

nized are considered. The award is presented at the AOCS annual meeting.

Nominations should be submitted before Oct. 31, 1988, to R.G. Krishnamurthy, Kraft Inc., Research & Development, 801 Waukegan Rd., Glenview, IL 60025.

Honored Students

Nominations are being sought for the 1989 Honored Student Awards. Graduate students at any North American institution of higher learning, in any area of science dealing with fats and lipids, who are doing research toward an advanced degree and who are interested in the areas of science and technology fostered by AOCS are eligible.

To receive the award, a candidate must remain a registered graduate student and must not have received a graduate degree or begun career employment prior to the 1989 AOCS meeting. Selection of awardees is based on educational qualifications and performance.

The awards provide funds equal to travel costs, complimentary registration and hotel accommodation, plus an additional stipend to permit attendance at the AOCS annual meeting to be held in Cincinnati, Ohio, May 3-7, 1989.

Nomination forms may be obtained from AOCS Headquarters, PO Box 3489, Champaign, IL 61821-0489. Completed nominations should be returned before Oct. 3, 1988, to Robert Burton, Burton International Biomed, Box 13135, St. Louis, MO 63119.