

Calendar

AOCS NATIONAL MEETINGS

Annual Meeting, May 3-7, 1989, Convention Center, Cincinnati, Ohio.

Annual Meeting, April 22-26, 1990, Baltimore Convention Center, Baltimore, Maryland.

AOCS WORLD CONFERENCES

World Congress on the Utilization of Vegetable Proteins in Human Foods and Animal Feedstuffs, Oct. 2-7, 1988, Singapore.

World Conference on Edible Fats and Oils Processing: Basic Principles and Modern Practices, Oct. 1-6, 1989, Maastricht, The Netherlands.

AOCS SHORT COURSES

Short Course on Soap Technology Today, April 30-May 3, 1989, Kings Island, Ohio.

Short Course on Specialty Fats: Production and Application, April 30-May 3, 1989, Kings Island, Ohio.

1988

October

Eastern Analytical Symposium, Oct. 3-7, 1988, New York Hilton Hotel, New York, New York. Contact: Stephen Scypinski, EAS publicity chairman, Berlex Laboratories Inc., 110 E. Ha-

nover Ave., Cedar Knolls, NJ 07927, telephone 201-292-8158.

Nara Workshop on Functionality of Fats and Lipids, Oct. 4-6, 1988, Nara, Kyoto, Japan. Contact: K. Sato, Faculty of Applied Biological Science, Hiroshima University, Shitami, Saijo-cho, Higashi-Hiroshima 724, Japan.

International Post-Graduate Course, NMR in Agriculture: Plants, Animals, Products, Oct. 4-15, 1988, Wageningen University, The Netherlands. Contact: Office of Post-Graduate Courses, De Leeuwenborch, Hollandseweg 1, 6706 KN Wageningen, The Netherlands.

Annual Meeting, Canadian Section of AOCS, Oct. 5-6, 1988, Central Experimental Farm, Agricultural Canada, Ottawa, Ontario, Canada. Contact: M.R. Sahasrabudhe, program chairman, CAOCS, Food Research Centre, Central Experimental Farm, Building 55, Agriculture Canada, Ottawa, Ontario K1A 0C6, Canada.

Mid-South Section of AOCS, Oct. 10, 1988, Summit Club, 5100 Poplar Ave., Memphis, Tennessee.

(Continued on page 1451)

On the Cover

The cover photograph, courtesy of BEOCO Ltd. and supplied to JAOCS by Simon-Rosedowns Ltd., shows the new manufacturing site in Liverpool, England, recently opened by BEOCO Ltd., a subsidiary of Bunge & Co. Ltd. Inside, beginning on page 1409, processing articles written by Daniel P. French of The French Oil Mill Machinery Co. and Martin A. Stainsby of Simon-Rosedowns Ltd. examine modern prepress solvent extraction and developments in screw pressing.

JAOCS

JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY (ISSN: 0003-021X), formerly *OIL & SOAP*, is published monthly by the AMERICAN OIL CHEMISTS' SOCIETY, 1608 Broadmoor Dr., Champaign, IL 61821-0489, USA. Phone (217) 359-2344. Telex: 4938651 AOCS UI. Second class postage paid at Champaign, Illinois, and additional mailing offices. POSTMASTER: Send address changes to Journal of the American Oil Chemists' Society, P.O. Box 3489, Champaign, IL 61821-0489, USA.

SUBSCRIPTIONS for U.S. are \$70 for one year and \$190 for three years. Non-U.S. subscriptions are \$85 for one year and \$235 for three years. Air mail postage is \$60 extra per year.

COPYRIGHT 1988 by the American Oil Chemists' Society. Formerly published as Chemists' Section, Cotton Oil Press, 1917 to 1924; Journal of the Oil and Fat Industries, 1924 to 1931; Oil & Soap, 1932 to 1947. The American Oil Chemists' Society assumes no responsibility for statements or opinions of contributors to its columns. The Journal is indexed in the Applied Science and Technology Index of the H.S. Wilson Company, New York.

CLAIMS for copies lost in the mails must be received within 30 days (90 days foreign) of the date of issue. Notice of change of address must be received two weeks before date of issue.

ADVERTISING INSTRUCTIONS AND DEADLINES. Closing date 3rd of month preceding date of issue. Insertion orders received after closing will be accepted by the production manager at advertisers' risk. AOCS cannot guarantee positioning of proofs for ads received after closing. Cancellation date 3rd of preceding month. Send insertion orders and mechanical materials to advertising offices at 1608 Broadmoor, P.O. Box 3489, Champaign, IL 61821-0489, USA. Phone: (217) 359-8028. Telex: 4938651 AOCS UI. *Advertising Sales and Production:* Arleen Ward, Jennifer Nelson-Dowdy.

MANUSCRIPT PUBLICATION: Submit to the Journal of the American Oil Chemists' Society, P.O. Box 3489, Champaign, IL 61821-0489, USA.

AOCS OFFICERS: *President,* Timothy L. Mounts, leader, vegetable oil research,

USDA Northern Regional Research Center, Peoria, Illinois; *Vice President,* Roy A. Carr, president, POS Pilot Plant Corporation, Saskatoon, Saskatchewan, Canada; *Secretary,* M.D. Meiners, food technologist, Best Foods Division of CPC International, Union, New Jersey; *Treasurer,* R.M. Burton, president, Burton International Biomed Ltd., St. Louis, Missouri; *Executive Director,* James C. Lyon, AOCS, Champaign, Illinois.

JOURNAL STAFF: *Editor:* T.H. Applewhite; *Associate Editors:* G.C. Cavanagh, T.A. Foglia, T.J. Jacks, George Liepa, Raymond Mackay, D.B. Min, T.L. Mounts, E.G. Perkins, L.H. Princen, M.A. Reynolds, M.J. Rosen, J.F. Scamehorn, Edward A. Sedor, G.F. Spencer, W.J. Stancel, M.E. Tuvell, P.J. Wan, D.L. Wharry; *Publications Director:* George Willhite; *Manuscript Production Supervisor:* Lee Heissel; *Graphics Supervisor:* Lee Gross; *Staff Editor:* Paula Erwin; *News Editor:* Barbara Fitch Haumann; *Circulation Manager:* Sandy Burr; *Advertising Chairman:* K.T. Zilch; *Book Review Editor:* E.G. Perkins; *Index Editor:* E.G. Perkins; *Technical Correspondent:* E.G. Perkins.

Calendar

(Continued from page 1386)

Speaker will be Robert Hastert of Englehard Corp., past president of AOCS. Contact: Juan Kindelan, Hunt-Wesson Foods Inc., 1351 Williams Ave., Memphis, TN 38104.

Northeast Section of AOCS, Oct. 11, 1988, Dutch Inn, Bristol, Pennsylvania. Topic will be Supercritical Fluid Chromatography. Contact Anthony J. Montana, Central Analytical Department, M&T Chemicals Inc., Woodbridge Road and Randolph Avenue, Rahway, NJ 07065-0970.

1988 ASA Outlook Conference, Oct. 13-14, 1988, Heathrow Penta Hotel, London, England. Information: American Soybean Association, Centre International Rogier, Box 521, 1210 Brussels, Belgium.

Flavor Workshop I: Flavor Creation and Manufacture, Oct. 18-20, 1988, University of Minnesota, St. Paul, Minnesota. Contact: Department of Food Science and Nutrition, University of Minnesota, 1334 Eckles Ave., St. Paul, MN 55108.

1st National Symposium on New Crops: Research, Development and Economics, Oct. 23-26, 1988, Adam's Mark Hotel, Indianapolis, Indiana. Contact: Continuing Education Business Office, Room 110, Stewart Center, Purdue University, West Lafayette, IN 47907.

Australian Oilseed Federation Annual General Meeting, Oct. 28, 1988, Sydney, Australia. Contact: Australian Oilseed Federation, Suite 2, 6A Post Office St., Pymble, New South Wales, Australia 2073.

Vitamin E: Biochemistry and Health Implications, Oct. 31-Nov. 3, 1988, sponsored by the New York Academy of Sciences, The Sheraton Centre, New York, New York. Contact: Conference Department, New York Academy of Sciences, 2 E. 63rd St., New York, NY 10021.

November

National Renderers Association annual convention, Nov. 1-5, 1988, Marriott's Desert Springs Resort and Spa, Palm Desert, California. Contact: National Ren-

derers Association, 2250 E. Devon, Des Plaines, IL 60018.

International Symposium on Clinical, Biochemical and Molecular Aspects of Fatty Acid Oxidation, Nov. 6-9, 1988, Penn Tower Hotel, Philadelphia, Pennsylvania. Contact: Paul M. Coates, Division of Genetics, The Children's Hospital of Philadelphia, 34th St. and Civic Center Blvd., Philadelphia, PA 19104.

First National Cholesterol Conference, "Cholesterol: A Risk Factor Whose Time has Come," Nov. 9-11, 1988, Hyatt Regency Crystal City, Arlington, Virginia. Contact: The National Cholesterol Conference, 4733 Bethesda Ave., Suite 530, Bethesda, MD 20814.

2nd International Seminar on Extraction and Refining of Oils, Nov. 27-30, 1988, Guadalajara, Mexico, sponsored by the Instituto Mexicano de Aceites, Grasas y Proteinas A.C. Contact: Instituto Mexicano de aceites, Grasas y Proteinas A.C., Praga No. 36, 1er piso, Mexico City 06600, Mexico.

Short Course, Field and Laboratory Sampling of Food, Drugs and Agricultural Commodities, Nov. 30-Dec. 1, 1988, Arlington, Virginia, sponsored by the Association of Official Analytical Chemists (AOAC). Contact: AOAC, 1111 N. 19th St., Suite 210, Arlington, VA 22209.

Lipids 1992, Nov. 30-Dec. 2, 1988, Rome, Italy. Contact: Societa Italiana per lo Studio delle Sostanze Grasse, Via Giuseppe Colombo 79, 20133 Milan, Italy.

December

China Food Fair, Dec. 16-28, 1988, Beijing International Exhibition Center, Beijing, China. Contact: The China Kan Hau Oversea Food Development Corp. Ltd., 2 Tou Tiao, Nan Li Shi Lu, Beijing, China, telex 22831-22834.

1989

January

Mid-South Section of AOCS, Jan. 9, 1989, Summit Club, 5100 Poplar Ave., Memphis, Tennessee. Contact: Juan Kindelan, Hunt-

sustane®

food-grade antioxidants

Sustane® BHA, BHT, TBHQ, PG and a variety of liquid blends

Applications:

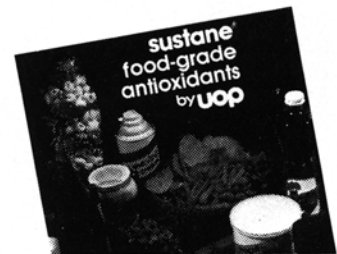
Vegetable Oils • Animal Fats • Flavors • Spices • Fragrances • Confections • Nuts • Fresh Sausage • Chewing Gum • Food Packaging Materials • Animal Feeds • Cereals • Dehydrated Potatoes • Yeast • Beverages • Desserts • Cosmetics

Products for the food industries by UOP

Allied Signal Technologies

UOP

Send this coupon to us today to receive this free 12 page color brochure. Biological and Food Products UOP, Inc. 25 E. Algonquin Rd. Box 5017 Des Plaines, IL 60017-5017 Phone: 312/391-3093 Toll Free/ 1-800-348-0832



Name: _____
Title: _____
Company: _____
Address: _____
Telephone: _____

Have Sales Rep Call

Calendar

Wesson Foods Inc., 1351 Williams Ave., Memphis, TN 38104.
Second International Safflower Conference, Jan. 9-13, 1989, Hyderabad, India. Contact: Project Director (Oilseeds), Directorate of Oilseeds Research, Rajendranagar, Hyderabad 50030 A.P., India.

February

Fats for the Future II, international conference on oils, fats and waxes, Feb. 12-16, 1989, Auckland, New Zealand. Contact: Jennifer Gray, Conference Secretary, 1989 Oils and Fats Conference, c/o Chemistry Department, University of Auckland, Private Bag, Auckland, New Zealand.

Australian Oilseed Federation Forum, Feb. 20-22, 1989, Canberra, Australia. Contact: Australian Oilseed Federation, Suite 2, 6A Post Office St., Pymble, New South Wales, Australia 2073.

International Symposium on Instrumental Thin Layer Chromatography/Planar Chromatography, Feb. 21-24, 1989, Grand Hotel, Brighton, United Kingdom. Contact: Executive Secretary, The Chromatographic Society, Trent Polytechnic, Burton Street, Nottingham NG1 4BU, United Kingdom.

March

World Soybean Research Conference IV, March 5-9, 1989, Buenos Aires, Argentina. Contact: Asociación Argentina de la Soja, Avenida Corrientes 127, 3er piso, 1043 Buenos Aires, Argentina.

April

5th Crucifer Genetics Workshop, April 7-9, 1989, University of California, Davis, California. Contact: Carlos Quiros, Vegetable Crops, University of California, Davis, CA 95616.

5th International Colloquium on Lecithin: Phospholipids—Biochemical, Pharmaceutical and Analytical Considerations, April 10-12, 1989, Cannes, France. Contact: 5th ICL Secretariat, PO Box 280 246, D-2000 Hamburg 28, West Germany.

June

First Congress Eurolipid, June 7-9, 1989, Angers, France. Information: French Association for the Study of Fats (AFCEG), 10A rue de la Paix, 75002 Paris, France.

September

International Symposium on Gas Separation Technology, Sept. 10-15, 1989, Antwerp, Belgium. Contact: R. Dewolfs, University of Antwerp, Department of Chemistry, Universiteitsplein 1, B-2610 Antwerp-Wilrijk, Belgium.

New Aspects on the Benefits, Hazards and Uses of Dietary Lipids, Sept. 18-20, 1989, Hotel Novotel, Göteborg, Sweden. Contact: Secretariat, International Union of Food Science and Technology Symposium on Dietary Lipids, c/o SIK, PO Box 5401, S-402 29 Göteborg, Sweden.

64th World Congress, International Association of Seed Crushers, Sept. 25-29, 1989, Buenos Aires, Argentina. Contact: IASC 64th World Congress, Interbuero Travel S.A., Paraguay 647, 4th piso, 1057 Buenos Aires, Argentina.

October

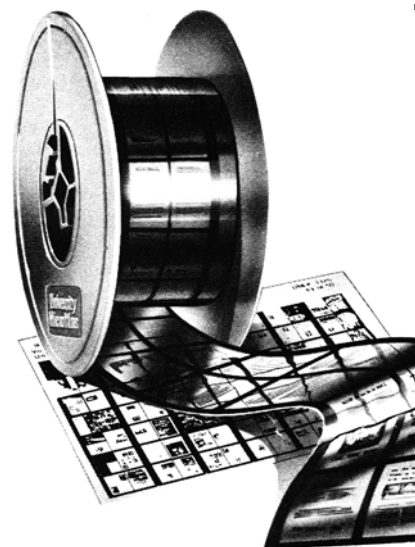
Third International Conference on Leaf Protein Research, Oct. 1-7, 1989, Pisa, Italy. Contact: Leafpro-89 Secretariat, c/o Instituto Industrie Agrarie Università, Via S., Michele 4, 56100 Pisa, Italy.

Australian Oilseed Federation Annual General Meeting, Oct. 27, 1989, Sydney, Australia. Contact: Australian Oilseed Federation, Suite 2, 6A Post Office St., Pymble, New South Wales, Australia 2073.

November

1989 Inter-Society Color Council Williamsburg Conference, Nov. 28-Dec. 1, 1989, colonial Williamsburg, Virginia. Contact: Roy Berns, Rochester Institute of Technology, PO Box 9887, Rochester, NY 14623-0887.

**This
publication
is available
in microform.**



University Microfilms International reproduces this publication in microform: microfiche and 16mm or 35mm film. For information about this publication or any of the more than 13,000 titles we offer, complete and mail the coupon to: University Microfilms International, 300 N. Zeeb Road, Ann Arbor, MI 48106. Call us toll-free for an immediate response: 800-521-3044. Or call collect in Michigan, Alaska and Hawaii: 313-761-4700.

Please send information about these titles:

 Name _____
 Company/Institution _____

 Address _____
 City _____
 State _____ Zip _____
 Phone (____) _____

**University
Microfilms
International**