

## Calendar

### AOCS NATIONAL MEETINGS

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

### 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 Prin-

ciples and Modern Practices, Fall 1989, Maastricht, The Netherlands.

### 1988

#### June

Workshop, Personal Computer Interfacing for Scientific Automation for Laboratory Personnel, June 2-4, 1988, Virginia Tech,

Blacksburg, Virginia. Contact: Linda Leffel, C.E.C., Virginia Tech., Blacksburg, VA 24061.

American Chemical Society, June 5-11, 1988, Toronto, Canada. Contact: American Chemical Society, 1155 16th St. NW, Washington, DC 20036.

14th National Nutrient Data Bank Conference, June 6-8, 1988, Framingham State College, Framingham, Massachusetts. Contact: Charlene Hamilton, Department of Home Economics, Framingham State College, 100 State St., Framingham, MA 01701.

AOCS Northeast Section Guest Night, with focus on fish oils, June 7, 1988, Friar Tuck Inn, Cedar Grove, New Jersey. Contact: Tony Montana, Henkel Process Chemicals Inc., 350 Mt. Kemble Ave. CN 1931, Morristown, NJ 07960-1931.

63rd World Congress of the International Association of Seed Crushers, June 7-10, 1988, Hyatt Regency and Hotel Van-

### On the Cover

World production of the major vegetable and marine oils has jumped from 18.4 million metric tons (MMT) in 1961 to 53.3 MMT in 1988. Although soybean oil has maintained the top slot and even gained percentage shares, peanut oil has gone from the No. 2 position to seventh place. Switching positions with peanut oil, palm oil has gone from seventh to second place. Cottonseed oil, ranking third in 1961, currently is in fifth place. Rapeseed oil, ranking eighth in 1961, has made it to the No. 3 slot. Sunflowerseed oil has kept the No. 4 slot. Coconut, meanwhile, has dropped from fifth to sixth place. Articles exploring these and other changes in the industry since the early 1960s are included in the Feature section, beginning on page 702.

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## JAOCS

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- couver, Vancouver, British Columbia, Canada. Contact: Secretariat, Suite 801, 750 Jervis St., Vancouver, B.C., Canada V6E 2A9, telephone 604-681-5226, telex 04-352848 VCR.
- 94th Annual Convention, International Oil Mill Superintendents Association, June 12-14, 1988, Hershey Hotel, Corpus Christi, Texas. Contact: I.O.M.S.A., 3414 54th St., Lubbock, TX 79413.
- Symposium, "Hormones, Thermogenesis and Obesity," June 12-16, 1988, Madison, Wisconsin, sponsored by the Biochemistry Department and Enzyme Institute of the University of Wisconsin, 1710 University Ave., Madison, WI 53705.
- Tri-States Oil Mill Superintendents Association (TSOMSA) annual convention, June 19-21, 1988, Biloxi, Mississippi. Contact: James M. Lay, Bunge Corp., PO Box 113, Cairo, IL 62914, telephone 618-734-4141.
- 12th HPLC International Symposium on Column Liquid Chromatography, June 19-24, 1988, Sheraton Washington Hotel, Washington, D.C., sponsored by the Washington Chromatography Discussion Group. Contact: Symposium Manager, Barr Enterprises, PO Box 279, Walkersville, MD 21793.
- NATO Advanced Research Workshop on Dietary Omega-3 and Omega-6 Fatty Acids: Biological Effects and Nutritional Essentiality, June 20-23, 1988, Belgrate (Lake Maggiore), Italy. Contact: D. Galli, Organizing Secretariat, N.F.I./Nutrition Foundation of Italy, Via Balzaretto 9, I-20133 Milan, Italy.
- Symposium, Quality Assurance for Laboratories, June 29, 1988, Leatherhead Food R.A., Leatherhead, Surrey, England. Contact: Gill Mathias, The Leatherhead Food R.A., Randalls Road, Leatherhead, Surrey KT22 7RY, England.
- July**
- Short Course on Soybean Extraction and Processing, July 10-15, 1988, Food Protein Research and Development Center, Texas A&M University, College Station, Texas. Contact: Les Watkins, Food Protein Research and Development Center, Texas A&M University, FM-183, College Station, TX 77843-2476, telephone 409-845-2741.
- 8th International Biotechnology Symposium, July 17-22, 1988, Palais des Congrès, Paris, France. Contact: 8th International Biotechnology Symposium, c/o S.O.C.F.I., 14, rue Mandar, 75002 Paris, France.
- Summer Program on Modeling, Simulation and Optimization of Chemical Processes, July 18-27, 1988, Massachusetts Institute of Technology, Cambridge, Massachusetts. Contact: Director of the Summer Session, MIT, Room E19-356, Cambridge, MA 02139.
- 8th International Symposium on the Biological Role of Plant Lipids, July 25-28, 1988, Budapest, Hungary. Details: Tardyné Lengyel Márta, Central Food Research Institute, Budapest, Herman Ottó ut 15, H-1022, Hungary.
- Twelfth International Sunflower Conference, sponsored by the Yugoslav Association of Producers of Plant Oils and Fats and Yugoslav government entities, July 25-29, 1988, Novi Sad, Yugoslavia. Contact: Institute of Field and Vegetable Crops, M. Gorkog 30, 21000 Novi Sad, Yugoslavia.
- International Conference, Health Effects of Fish and Fish Oils, July 30-Aug. 2, 1988, Hotel Newfoundland, St. John's, Newfoundland, Canada. Contact: R.K. Chandra, Janeway Child Health Centre, St. John's, Newfoundland, Canada A1A 1R8.
- August**
- Rheology Workshop, Aug. 8-10, 1988, Chicago, Illinois, sponsored by the American Association of Cereal Chemists (AACC). Contact: AACC Short Course Program, 3340 Pilot Knob Rd., St. Paul, MN 55121.
- 4th International Diffuse Reflectance Conference, Aug. 14-19, 1988, Wilson College, Chambersburg, Pennsylvania. Contact: Fred McClure, Department of Agricultural Engineering, North Carolina State University, Raleigh, NC 27695-7625.
- Bioavailability '88: Chemical and Biological Aspects of Nutrient Availability, Aug. 21-24, 1988, University of East Anglia, Norwich, England. Details: Bioavailability '88, AFRC Institute of Food Research, Norwich Laboratory, Colney Lane, Norwich, Norfolk NR4 7UA, U.K.
- Analysis of Oils and Fats Workshop, Aug. 22-24, 1988, University of St. Andrews, Scotland. Sponsored by IUPAC Commission VI.3 and arranged in conjunction with the Department of Chemistry at the University of St. Andrews and the Laboratory of the Government Chemist, London, England. Contact: Joyce Beare-Rogers, Bureau of Nutritional Sciences, Health Protection Branch, Department of Health & Welfare, Ottawa, Ontario, Canada K1A 0L2.
- New Zealand Institute of Chemistry and New Zealand Biochemical Society joint annual meeting, Aug. 23-26, 1988, Palmerston North, New Zealand. Contact: Conference Secretary, Grasslands Division, DSIR, Palmerston North, New Zealand.
- 102nd Annual International Meeting, Association of Official Analytical Chemists, Aug. 29-Sept. 1, 1988, The Breakers, Palm Beach, Florida. Contact: Margaret Ridgell, AOAC, 1111 N. 19th St., Suite 210, Arlington, VA 22209.
- 4th Separation Science & Biotechnology Symposium, Aug. 31-Sept. 3, 1988, Palazzo Feltrinelli, Gargnano del Garda, Italy. Contact: Pier Giorgio Righetti, Professor of Biochemistry and Symposium Chairman, Euro Business Center, PO Box 10552, 1001 EN Amsterdam, The Netherlands.
- September**
- Scientific Congress on Proteins in

- Food and Nutrition, Sept. 8-9, 1988, Vienna, Austria. Contact: Secretariat of the Scientific Congress on Proteins in Food and Nutrition, c/o Vienna Medical Academy, Alsterstrasse 4, A-1090 Vienna, Austria.
- Annual meeting, German Society for Fat Science (DGF), Sept. 11-15, 1988, Trier University, Trier, West Germany. Contact: Deutsche Gesellschaft für Fettwissenschaft e.V., Soester Strasse 13, D-4400 Münster, West Germany.
- Industrial Bioprocessing Short Course, Sept. 11-15, 1988, Estes Park, Colorado. Contact: Gwynne Hallock, Colorado State University, Office of Conference Services, Rockwell Hall, Fort Collins, CO 80523.
- 2nd International Symposium on Lipid Metabolism in the Normoxic and Ischemic Heart, Sept. 12-13, 1988, University of Limburg, Maastricht, The Netherlands. Contact: G.J. Van der Vusse, Department of Physiology, University of Limburg, PO Box 616, 6200 MD Maastricht, The Netherlands.
- Sensory Evaluation of Food Short Course, Sept. 14-16, 1988, St. Paul, Minnesota, sponsored by the American Association of Cereal Chemists (AACC). Contact: AACC Short Course Program, 3340 Pilot Knob Rd., St. Paul, MN 55121.
- 29th International Conference on the Biochemistry of Lipids, Sept. 19-22, 1988, Tokyo, Japan. Details: 29th ICBL, c/o Prof. Y. Seyama, Department of Physiological Chemistry and Nutrition, Faculty of Medicine, University of Tokyo, Bunkyo-ku, Tokyo 113, Japan.
- International Symposium on Application of Biotechnology for Small Industries' Development in Developing Countries, Sept. 21-24, 1988, Tawana Ramada Hotel, Bangkok, Thailand. Contact: Thailand Management Development and Productivity Centre, Department of Industrial Promotion, Ministry of Industry, Rama 6 Rd., Bangkok 10400, Thailand.
- Cosmetic Science '88—Achievements and Aims, 15th International Congress of the International Federation of Societies of Cosmetic Chemists, Sept. 26-29, 1988, Grosvenor House, Park Lane, London, England. Contact: Society of Cosmetic Scientists, Delaport House, 57 Guildford St., Luton, Beds LU1 2NL, England.
- Seminar, Strategies for Making India Self-reliant in Vegetable Oils, Sept. 26-29, 1988, Hyderabad, India. Contact: M.V.R. Prasad, Directorate of Oilseeds Research, Rajendranagar, Hyderabad 50030 A.P., India.
- ISF-JOCS World Congress 1988, Sept. 26-30, 1988, Tokyo, Japan. Contact: ISF-JOCS World Congress 1988, Secretariat, The Japan Oil Chemists' Society, 7th floor, Yushi Kogyo Kaikan, 13-11 Nihonbashi 3-chome Chuoku, Tokyo 103, Japan.
- 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. Hanover 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.
- 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 Renderers 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.
- 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.
- 1989**
- January**
- 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.