

AOCS ANNUAL MEETING

350+ papers in Toronto



Approximately 1,100 persons are expected to participate in the 73rd annual meeting of the American Oil Chemists' Society to be held May 2-6, 1982, in Toronto's Sheraton Centre.

The technical program will feature more than 350 papers. Following the Monday morning plenary breakfast, there will be two 3-hour concurrent theme sessions, one consisting of four talks aimed primarily at edible oil processing and the second aimed at biochemists and lipid researchers. The processing session will deal with energy conservation, biotechnology, production and processing innovations, and future sources for edible oils. The biochemical session will deal with methodology, fatty acid isomers, membranous systems, and the biological role of fats and oils.

Those topics also will be prominent during the 54 scheduled technical sessions, including 26 symposia, ranging from analytical methodology through fats and oils processing to the role of fats and oils in body tissues. Symposia and technical sessions will begin at 2 p.m. Monday, May 3.

Approximately four dozen firms are participating in an accompanying exhibit of the latest equipment, supplies and services available to the fats and oils industry. A list of exhibitors is provided in an accompanying article in this issue of JAOCS.

Besides providing a forum for researchers to present their latest work to their peers, the meeting is an opportunity for volunteer technical and administrative committees to meet. These committees consider technical standards for the industry and determine future projects to develop new analytical methodology. Administrative committees will discuss future educational meetings, the society's finances, how to encourage more membership and similar topics.

Dr. E.G. Perkins, professor of food science at the University of Illinois, will be completing his one-year term as president of the AOCS. Dr. Karl Zilch, research director at Emery Industries in Cincinnati, Ohio, will become the new president.

Four social events are scheduled to provide technical program registrants time for informal conversation. The first social event will be a mixer on Sunday evening, May 2, at Casa Loma, a 98-room castle west of downtown Toronto. Shuttle bus service will be provided from the Sheraton Centre; transportation details will be provided to registrants at the meeting. Breakfast sessions will be held at 7:30 a.m.

Monday and Wednesday, May 3 and 5, respectively. There will be a banquet on Wednesday evening, May 5, in the Sheraton Centre.

The meeting will mark the official chartering of an AOCS Section for Proteins and Coproducts. While the four other AOCS Sections are geographically organized (Northeast, North Central, Northern California, and Southwest), the new section will be subject-oriented. Organizers intend to hold a luncheon on Wednesday, May 5. Luncheon tickets will be available for purchase in the registration area.

Most major AOCS awards will be presented during the meeting. The first Supelco-AOCS Research Award will be presented. The new award replaces the Award in Lipid Chemistry. The Supelco-AOCS Award will recognize significant contributions in fats and oils research. The \$3,000 honorarium is provided by Supelco Inc. The recipient's acceptance address is scheduled for 1 p.m. Monday, May 3, in Theatre 2 of the Sheraton Centre.

The Soap and Detergent Association Award will be presented to the author of the best technical paper to appear during 1981 in the soap and detergent section of JAOCS.

AOCS now has two award programs to recognize outstanding research by graduate students in fats and oils. The Ralph H. Potts Memorial Fellowship was established this past year by ArmaK and supported by donations from many AOCS members. The \$1,000 honorarium and scroll will be presented annually to a North American graduate student working in fatty acids and their derivatives. Ralph Potts was a pioneer researcher in industrial fatty acids developing techniques now considered standard in the industry. The AOCS Honored Student Awards will be presented to six graduate students, each of whom will present a paper during the meeting. Honored Students this year are: D.E. Agwu, University of Guelph; F.J. Bunick, University of Massachusetts; R.A. Frank, University of Tennessee; R.O. Ryan, University of Nevada-Reno; Y.S. Son, University of Maryland; and R.A. Zoeller, Texas A&M University.

Spouses' program participants will participate in the Sunday evening mixer at Casa Loma and the Wednesday evening banquet. In addition, they will take a tour of Toronto, visit a nearby shopping mall named Eaton Centre, take a visit to Niagara-on-the-Lake across Lake Ontario from Toronto, plus participate in other programs in the Sheraton Centre.

Committee schedule

Day and Committee	Time		
SUNDAY			
Governing Board	8 a.m.—noon		
All technical committee chairpersons	1—2 p.m.		
Examination Board	2—5 p.m.		
NMR	2—4 p.m.		
Education	3—5 p.m.		
Hydrogenated Oil	3—4 p.m.		
Technical Safety and Engineering	4—6 p.m.		
Aflatoxin	5—6 p.m.		
International Relations	5—6 p.m.		
Monograph	5—6 p.m.		
MONDAY			
Bleaching Methods	11 a.m.—noon		
1983 AOCS Annual Meeting Committee	11 a.m.—noon		
1984 AOCS Annual Meeting Committee	1—2 p.m.		
Environmental	3—4 p.m.		
Lipids Advisory Board	3—5 p.m.		
Advertising	4—5 p.m.		
Bond Award	4—5 p.m.		
Commercial Fats and Oils Analysis	4—5 p.m.		
Dibasic Acids	4—5 p.m.		
Flavor Nomenclature	4—6 p.m.		
Atomic Absorption Spectroscopy	5—6 p.m.		
Cellulose Yield	5—6 p.m.		
Energy Conservation	5—6 p.m.		
Local Sections	5—6 p.m.		
Nutrition	5—6 p.m.		
TUESDAY			
Publications	8—10 a.m.		
1982 World Conference on Oilseeds and Edible Oil Processing	10—11 a.m.		
1984 World Conference on Processing of Palm, Palm Kernel and Coconut Oils	11 a.m.—1 p.m.		
Soaps and Detergents Steering Committee	Noon—2 p.m.		
Fiber Determination	1—2 p.m.		
Membership Development	2—3 p.m.		
Seed and Meal Analysis	2—4 p.m.		
AOCS Foundation	3—4 p.m.		
Honored Student Award	4—5 p.m.		
National Program Planning	4—6 p.m.		
Smalley	4—6 p.m.		
Vegetable Oil Distillate Analysis	4—5 p.m.		
Chromatography	5—6 p.m.		
Polyethylene in Fats	5—6 p.m.		
1985 World Conference	5—6 p.m.		
WEDNESDAY			
Meeting Logistics	10—11 a.m.		
1983 World Conference on Oleochemicals	11 a.m.—noon		
Membership Admissions	2—3 p.m.		
Uniform Methods	3—5 p.m.		
Commercial Fatty Acids	4—5 p.m.		
Finance	4—5 p.m.		
Mycotoxin	4—6 p.m.		
Protein and Coproducts	4—6 p.m.		
Fats and Oils Byproducts Analysis	5—6 p.m.		
Public Relations	5—6 p.m.		
THURSDAY			
Governing Board	9 a.m.—2 p.m.		

Exhibitors

ARTISAN INDUSTRIES INC. (Booth 27). Process engineering and fabrication of equipment for fractionation, stripping, solvent recovery, liquid-liquid extraction, continuous filtering, washing and/or thickening also, vacuum ejectors, pumps and condensers will be featured. Address: 73 Pond Street, Waltham, MA 02254.

BERICO INDUSTRIES INC. (Booth 1). Berico will be exhibiting Berico Soybean/Sunflower Process Driers featuring cleaned recycle air system, insulation, tapered column design with Turn-Flo column mixing action for production capacity to 320 tons per hour and with low noise levels in 24-hour duty cycle. Cleanliness, safety, and long life are important design features. Address: PO Box 12285, Overland Park, KS 66212.

BRINKMANN INSTRUMENTS (Booth 30). The Metrohm Rancimat, a rancidity analyzer, will be exhibited. Address: Cantiague Road, Westbury, NY 11590.

THE CAMBRIAN ENGINEERING GROUP LIMITED (Booth 33). A model of the Campro deodorizer will be exhibited. The display will highlight the services Cambrian

offers to the oils industry, from bench-top R&D to the design and construction of complete acid and oil processing plants. Personnel will be available to discuss new techniques in oil processing. Address: 2465 Cawthra Road, Unit 112, Mississauga, Ontario L5A 3P2, Canada.

CANOLA COUNCIL OF CANADA (Booth 59). The council's display is intended to be a dramatic, thematic presentation emphasizing the versatility and quality of Canada's most widely used salad and cooking oil. Address: 301-433 Main St., Winnipeg, Manitoba R3B 1B3, Canada.

CHEMAPEC INC. (Booth 44). The Funda Filter is a totally closed, horizontal pressure leaf filter with centrifugal cake discharge. It is particularly suited to those applications where the cake must be extracted and dried efficiently. It is used for both catalyst recovery and bleaching earth removal. Address: 230 Crossways Park Drive, Woodbury, NY 11797.

CROWN IRON WORKS COMPANY (Booth 48). Crown Iron Works Company designs and manufactures solvent extraction equipment. Photos, brochures and technical literature will be on display. Address: 1229 Tyler St., N.E., PO Box 1364, Minneapolis, MN 55440.

CVC PRODUCTS INC. (Booth 26). CVC Products will display the Lab-3 Still, a newly designed centrifugal molecular distillation system for distilling small samples. Photographs and diagrams of the larger Pilot-15, Marco-36 and Magna-60 models High Vacuum Stills will be exhibited. Applications information on the distillation system and literature describing CVC mass spectrometers, gas analyzers, vacuum components and fluids and greases also will be available. Representatives from CVC will be available to provide further information. Address: 525 Lee Road, PO Box 1886, Rochester, NY 14603.

DE SMET U.S.A. CORP. (Booths 15 & 16). De Smet will exhibit models and animated displays describing extraction and finished oil production process. Staff members will be available for technical and commercial discussions. Address: 2625 Cumberland Parkway, Suite 200, Atlanta, GA 30339.

DICKEY-john CORPORATION (Booth 55). DICKEY-john will exhibit its latest near infrared analysis instrument for the process laboratory—The Instalab 800. This new instrument features greater versatility and more usable memory than any previous model. Also shown will be the UL-listed, equipment temperature monitor and the full line of process automation systems. Address: PO Box 10, Auburn, IL 62615.

DURIRON COMPANY INC. (Booth 20). Filtration Systems Division of the Duriron Company Inc. will feature filtration equipment for the vegetable oil industry. Address: 425 N. Findlay St., Dayton, OH 45404.

EASTMAN CHEMICAL PRODUCTS (Booth 18). Information on Tenox Antioxidants will be available. Address: 1133 Avenue of the Americas, New York, NY 10036.

EMI CORPORATION (Booths 7 & 8). Slides and literature describing EMI soybean extraction and refining systems, award-winning edible protein processing systems, plant pictures and process flow sheets for solvent extraction of oilseeds, fats and oils refining, fatty acid production processes and complete plants as offered by EMI will be featured. EMI catalogs will be available. Address: 3166 Des Plaines Avenue, Des Plaines, IL 60018.

ENVIREX INC. (Booth 22). Envirex Inc. will exhibit Rex wastewater treatment and water conditioning equipment used by the edible oil industry. Products to be shown include noncorrodible Rex nonmetallic chains, Rex dissolved air flotation thickeners and separators, and Rex boiler feed-water equipment. Address: 1901 S. Prairie Ave., Waukesha, WI 53186.

FERRELL-ROSS (Booth 17). Address: 6501 S. Interpace Drive, Oklahoma City, OK 73126.

FILTROL CORPORATION (Booth 35). The exhibit will feature Filtrol bleaching earths for edible and inedible fats and oils. Address: 5959 W. Century Blvd., Suite 1415, Los Angeles, CA 90045.

FIRING INDUSTRIES LTD. (Booths 41, 42 & 43). In cooperation with Centrico Inc. and Prater Industrial Products, Inc., whom they represent in Canada, Firing will exhibit the Westfalia oil refining centrifuge and the Prater rotary airlock feeder, dual screen meal grinder, flaker mill

and meal screen. Address: 60 Picton St., PO Box 230, Niagara-on-the-Lake, Ontario L0S 1J0, Canada.

THE FOXBORO COMPANY (Booths 64, 65, 66, 67, 68 & 69). The Foxboro exhibit will highlight advanced control systems employing microprocessor technology being used by the vegetable oil extraction and refining industries to increase productivity and reduce costs. Analytical measurements of unsaturation will also be shown. Address: Dept. 120E Mansfield, 38 Neponset Avenue, Foxboro, MA 02035.

THE FRENCH OIL MILL MACHINERY CO. (Booth 4). Model machinery will be on display showing the complete range of equipment and services offered. Representatives will be available at all times to discuss your individual requirements in the field of oilseed processing. Address: 1035 W. Greene St., Piqua, OH 45356.

GB FERMENTATION INDUSTRIES, INC. (Booth 13). GBFI will be exhibiting a line of Maxatase enzymes for use in powder and liquid laundry detergents and whose function is to break down various proteins to form water-soluble products. Other enzymes which will be exhibited have applications in the food industry in the areas of starch processing, baking, flavor enhancement and others. Address: One N. Broadway, Des Plaines, IL 60016.

GROEN DIV./DOVER CORP. (Booth 28). Literature and photographs describing Groen's new chilling and plasticizing systems for lard, shortening and margarine will be displayed. Groen's approach eliminates motorized worker units and also introduces a more efficient refrigeration system. Results: lower capital investment, plus operating energy costs reduced by as much as 80% over conventional processing methods. Address: 1900 Pratt Blvd., Elk Grove Village, IL 60007.

IBM INSTRUMENTS INC. (Booth 54). The PC20 series instruments offered by IBM Instruments Inc. are microprocessor-controlled pulsed NMR analyzers that can be used for relaxation time studies of materials either during or at the end-point of manufacture. Typical applications are moisture, oil, protein and fat content, liquid versus solid; bound water versus free water. Address: PO Box 332—Orchard Park, Danbury, CT 06810.

IDREX INC. (Booths 36 & 37). Idrex Inc. completely automated pressure filters for crude, bleaching and hydrogenation, will be featured. Key hardware elements will be displayed showing the simple mechanics of Idrex filtration equipment. The developer of the Idrex equipment line, Kostas (Gus) Arvanitakis, will be available to answer questions for specific applications. Address: 1018 Lambrecht Drive, PO Box 367, Frankfort, IL 60423.

INDUSTRIAL FILTER & PUMP MFG. CO. (Booths 5 & 6). The firm will display illustrations of its entire equipment line featuring the Type 122 horizontal pressure leaf filters. Type 112, 152, 114D, 116, 118 and 123 filters and systems will be included with oil skimmers and ion exchange. Pollution abatement equipment also will be exhibited. Address: 5900 Ogden Avenue, Cicero, IL 60650.

KRUPP INDUSTRI-UND STAHLBAU (Booths 23 & 24). Address: Franz-Schubert-Strasse 1-3, 4100 Duisburg 14, West Germany.

MACDONALD PROCESS EQUIPMENT CO. (Booth 29). Address: 133 The West Mall, Unit #2, Etobicoke, Ontario M9C 162, Canada.

MCCLOSKEY SCIENTIFIC INDUSTRIES INC. (Booth 2). On display will be the Edible Oil Colorimeter which measures red and yellow values, chlorophyll content and additions of β -carotene in oils. An "in-line" process control version of the Edible Oil Colorimeter will also be displayed. Address: PO Box 69, Newfoundland, NJ 07435-0069.

NATIONAL SUNFLOWER ASSOCIATION (Booth 32). A complete sunflower manual designed for scientists will be distributed. It includes an historical overview, current U.S. and world production, marketing and use of sunflower. The chemical and physical properties of sun oil, as well as its nutritional contributions, are discussed. Address: 1501 N. 12th, Bismarck, ND 58505.

NEUMUNZ INC. (Booth 12). A display manual including photographs of vegetable oil processing equipment featuring continuous bleaching, hydrogenation and deodorizing will be featured. Also, a model of a continuous Meccaniche Moderne sulfonation plant for the manufacture of detergents will be exhibited. Address: 117 Fort Lee Road, Leonia, NJ 07652.

NEWMAN-HOWELLS ASSOCIATES LTD. (Booth 60). The firm will exhibit its MKIII series IATROSCAN TLC/FID Analyzer for fast quantitation of organic substances in the edible and industrial oil industries, cosmetics, detergents, medical/nutrition fields of investigation where samples are not GC volatile, do not absorb UV/Visible light, are nonfluorescing and difficult to derive. Address: Wolvesey Palace, Winchester, Hampshire SO23 9NB, England.

NOVO LABORATORIES INC. (Booth 45). Novo Laboratories Inc., a subsidiary of Novo Industri A/S (Denmark) is a world leader in industrial enzymology. Novo supplies a complete line of enzymes which includes proteinases to improve the performance of dry and liquid detergents as well as laundry aids. Other uses of Novo's enzymes include textile, pharmaceutical, leather, animal and vegetable protein modification, starch conversion to HFCS, brewing aids, fruit juice and wine processing, and dairy and fuel ethanol applications. Novo is also affiliated with Van Waters and Rodgers Ltd. Address: 59 Danbury Road, Wilton, CT 06897.

NU-CHEK-PREP INC. (Booth 40). The firm will offer information on fatty acids and ester homologs, triglycerides, diglycerides, monoglycerides, acid chlorides, fatty nitriles, fatty alcohols, fatty acetates, cholesteryl esters, hydrocarbons, mesylates, soaps, fatty acid anhydrides, wax esters and standard reference mixtures (GLC and TLC). Address: PO Box 172, Elysian, MN 56028.

OXFORD ANALYTICAL INSTRUMENTS LTD. (Booth 53). Oxford Analytical will display two instruments, the Newport Analyzer Mark IIIA, for rapid, accurate and simple measurement of oil and fat content in a wide range of foodstuffs including oil seeds and animal feeds, and the Oxford P-100 Protein Analyzer, designed for rapid, simple measurement of total protein content in food. Both instruments have the advantage of speed and simplicity compared to conventional analytical techniques. Address: Sandy Lane West, Littlemore, Oxford OX4 5JX, England.

PALM OIL RESEARCH INSTITUTE OF MALAYSIA (Booth 56). Wall charts illustrating palm oil characteristics, utilization, process flow diagrams, graphs and pictures will be displayed. A slide presentation will relate the activities of the Palm Oil Research Institute, development of the Malaysian palm oil industry and other technical and statistical information such as palm oil applications. Technical leaflets will be available and samples of palm oil products will be exhibited. Address: 18th Floor, Angkasaraya, Jalan Ampang, Kuala Lumpur, Malaysia.

PHOTOVAC INC. (Booths 9 & 10). Address: Unit #2134, 134 Doncaster Avenue, Thornhill, Ontario L3T 1L3, Canada.

POS PILOT PLANT CORPORATION (Booth 21). POS provides pilot-scale processing equipment, on a fee-for-use basis, for food and feed development. POS laboratories are operated by an experienced scientific staff trained in cereal grain research, protein and lipid chemistry and food processing. Information on these aspects will be available. Address: University of Saskatchewan Campus, Saskatoon, Sask. S7N 2R4, Canada.

THE PRAXIS CORPORATION (Booth 25). The Praxis SFC Lab will be exhibited. It is a computerized system for automated determination of solid fat content of edible fats and oils. The flexible computer program guides the operator step-by-step with video display and audible signals. Print-outs give date and time, sample ID, and SFC at five temperatures. The lab processes 20 samples at once. Address: 8327 Potranco Rd., San Antonio, TX 78251.

ROSKAMP MFG. INC. (Booth 31). Roskamp Mfg. will feature the 10 x 42 Cracking Mill and the 28 x 52 Flaking Mill. The firm invites registrants to stop by to discuss cracking and flaking needs. Address: 616 Grand Blvd., Cedar Falls, IA 50613.

L.A. SALOMON & BRO. INC. (Booth 3). Activated carbon, activated clay and bentonite will be featured. Literature regarding use of these products will be available. The exhibit will include demonstration of use of bentonite compounds in wastewater treatment and as a liner for ponds and lagoons and tank farms. Address: PO Box 828, Port Washington, NY 11050.

TECHNICON INDUSTRIAL SYSTEMS (Booths 57 & 58). Address: 511 Benedict Avenue, Tarrytown, NY 10591.

THE TINTOMETER COMPANY (Booths 46 & 47). Color grading and measuring instruments for edible oils, fats and tallows including the Lovibond AOCS color scale, Automatic Tintometer and FAC scale will be exhibited. Address: 206 Packets Court, Williamsburg, VA 23185.

TRAMCO METAL PRODUCTS INC. (Booth 19). Literature describing Tramco's full line of chain conveyors will be available. The Model "RS" also will be on display. Address: 1011 E. 19th Street, Wichita, KS 67214.

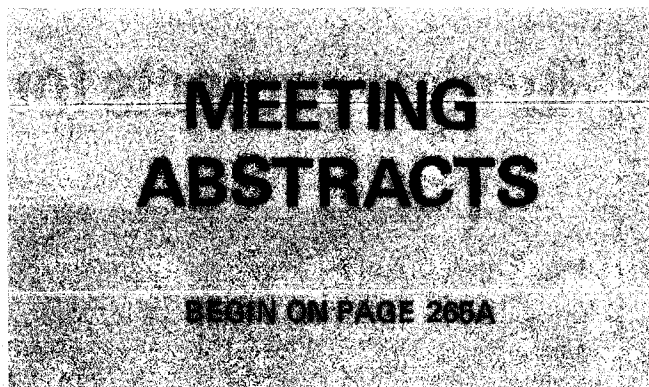
UNICHEMA INTERNATIONAL (Booth 14). A range of high quality Pricat nickel catalysts for the hydrogenation of edible oils and fats and for fatty acids will be featured. Features of the Pricat range include consistent high activity, resistance to poisoning, a high degree of selectivity and ex-

cellent filtration characteristics. Address: 9 Steintor, 4240 Emmerich, West Germany.

UOP PROCESS DIVISION (Booth 34). UOP Process Division will display the Sustane line of food-grade antioxidants, including BHA, BHT, TBHQ and Propyl Gallate. Product brochures and other literature will be available and sample requests will be accepted. Address: 20 UOP Plaza, Des Plaines, IL 60016.

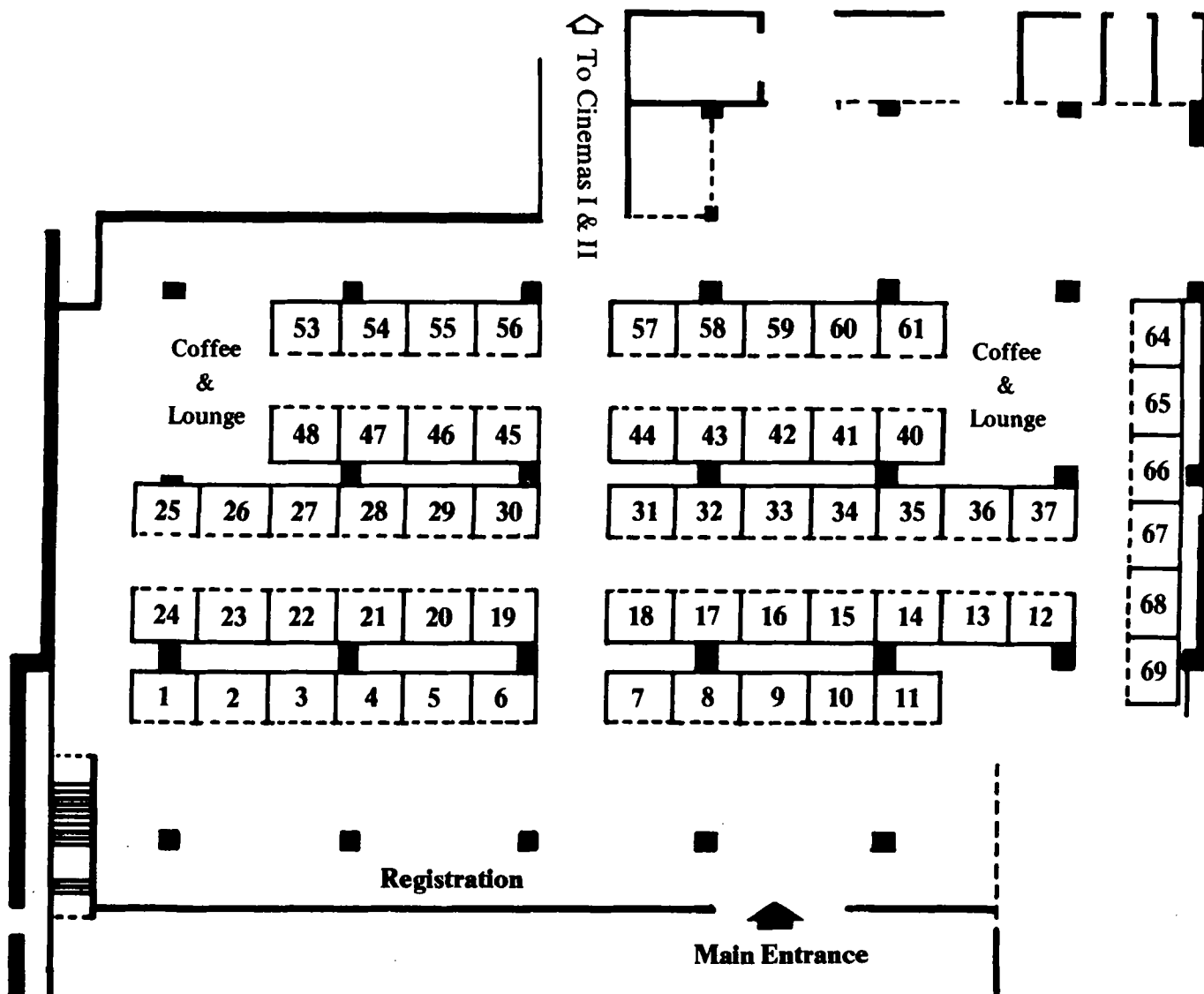
WURSTER & SANGER (Booth 11). Technical literature, plant photographs and process flow sheets reflecting the complete capabilities of Wurster & Sanger Inc. as process engineers for the fats and oils industry will be exhibited. Wurster & Sanger Inc. custom builds plants for oilseeds, glyceride fats and oils, fatty acids, glycerine and their by-products. Catalogs will be available. Address: 222 W. Adams St., Chicago, IL 60606.

ZONE DEVICES COMPANY (Booth 61). This company will be showing a number of products primarily involved



with the sampling of bulk liquids. The best known is the Stainless Steel Liquid Zone Sampler which is approved by AOCS, under Method C1-47 for sampling of oils and fats. The new Stainless Steel Sample Mixing Pail will be displayed along with the zone thermometer, a new concept in taking temperatures. Address: PO Box 714, Mill Valley, CA 94942.

Exhibits plan



Book exhibit

AMERICAN OIL CHEMISTS' SOCIETY, 508 S. Sixth St., Champaign, IL 61820.

Emken, Edward A. and Herbert J. Dutton, eds. *Geometrical and Positional Fatty Acid Isomers*. 1979. 344 pp. AOCS members, \$17. Non-members, \$25.

Erickson, E.R., E.H. Pryde, O.L. Brekke, T.L. Mounts and R.A. Falb, eds. *Handbook of Soy Oil Processing and Utilization*. 1980. 598 pp. \$7.

Kabara, J.J., ed. *The Pharmacological Effect of Lipids*. 1978. 216 pp. AOCS members, \$17. Non-members \$24.

Kunau, W.H. and R.T. Holman, eds. *Polyunsaturated Fatty Acids*. 1977. 258 pp. AOCS members, \$25. Non-members \$35.

Perkins, E.G., ed. *Analysis of Lipids and Lipoproteins*. 1975. 299 pp. AOCS members, \$10. Non-members \$15.

Pryde, Everett H., ed. *Fatty Acids*. 1979. 644 pp. AOCS members, \$25. Non-members, \$35.

Pryde, E.H., L.H. Princen and K.D. Mukherjee, eds. *New Sources of Fats and Oils*. 1981. 340 pp. AOCS members, \$25. Non-members \$35.

Wood, Randall, ed. *Tumor Lipids*. 1973. 324 pp. AOCS members, \$7. Non-members \$12.

ANNUAL REVIEWS, INC., 4139 El Camino Way, Palo Alto, CA 94306.

Annual Review of Biochemistry, Vol. 50

Annual Review of Nutrition, Vol. 1

Annual Review of Physical Chemistry, Vol. 32

ASSOCIATION OF OFFICIAL ANALYTICAL CHEMISTS, 1111 N. 19th St., Dept. 45, Arlington, VA 22209.

Horwitz, William, ed. *Official Methods of Analysis of the AOAC—13th Edition*, 1980, 1038 pp., 55 illus., index, \$75 plus \$3 for book post and handling within U.S., \$75 plus \$6 outside U.S., includes 4 yearly updates.

AVI PUBLISHING CO., INC., P.O. Box 831, Westport, CT 06881.

Heath, Henry B., *Flavor Technology: Profiles, Products, Applications*, 1978, 542 pp., U.S., \$45.00; other countries, \$49.50.

A unique book designed to assist the food technologist apply the use of flavors. Provides an ordered sequence of aromatic profiles of the main flavoring materials, the nature and preparation of flavoring materials and products, and a review of technology and use of flavors in the industry.

Heath, Henry B., *Source Book of Flavors*, 1981, 863 pp., U.S., \$85.00; other countries, \$93.50.

Complete coverage of the use of flavors, their manufacture and international legislation. Coverage includes natural flavoring materials, including essential oils and oleoresins. Over 3,000 references, highly detailed table of contents and an exhaustive index.

Inglett, G.I., *Seed Proteins*, 1972, 320 pp., U.S., \$32.00; other countries, \$35.00.

The properties and products of grains and seeds, including soybeans, corn, rice, cottonseeds and peanuts. Minifie, B.W., *Chocolate, Cocoa & Confectionery*, 2nd ed., 1980, 745 pp., U.S., \$52.00; other countries, \$57.00.

New edition contains updated coverage of materials, processes and scientific data involved in the chocolate and confectionery industry, and is a valuable source of

information for those in the industry and in allied fields. Coverage includes cocoa butter and replacement fats and spoilage problems.

North, H.B., *Commercial Food Patents, U.S., 1980, 1981*, 257 pp., U.S., \$30.00; other countries, \$33.00.

Contains subject-classified fully indexed abstracts of food patents of commercial importance issued in the U.S. in 1980. Designed to assist researchers and product development in keeping up to date with the most recent patents in their fields. Listings include fats and oils, cereal grains and flours, baking and bakery products. Smith, A.K. and S.J. Circle, *Soybeans: Chemistry & Technology*, Vol. 1, revised ed., 1978, 466 pp., U.S., \$37.50; other countries, \$41.00.

Comprehensive survey of research and development on soybean protein fractions with emphasis on chemistry and food uses.

Woodroof, J.G., *Coconuts: Production, Processing, Products*, 1979, 410 pp., U.S. \$32.00; other countries, \$35.00.

Latest and most complete description of the coconut industry includes vital information for those who grow, store, process or use coconuts. Coverage includes coconut oil production and uses, coconut products and processing.

Webb, B.H., A.H. Johnson and J.A. Alford, *Fundamentals of Dairy Chemistry*, 2nd ed., 1974, 923 pp., U.S., \$55.00; other countries, \$60.50.

The basic chemistry of milk and dairy products emphasized with related aspects of microbiology and technology. A reference and textbook with unique detailed descriptions of the individual milk components.

MARCEL DEKKER INC., 270 Madison Avenue, New York, 10016.

Becher, Paul and Marvin N. Yudenfreund, eds. *Emulsions, Latices, and Dispersions*. 1978. 329 pp. \$40. 15% discount to meeting registrants, \$34.

Cutler, W.G. and R.C. Davis, eds. *Detergency: Theory and Test Methods, Part III*. 1981. 331 pp. \$47.50. 15% discount to meeting registrants, \$40.38.

Friberg, Stig E. and Paul Becher, eds. *Journal of Dispersion Science and Technology*. \$53.50. \$26.75 discounted rate for individual professionals and students.

Glohuber, Christian, ed. *Anionic Surfactants: Biochemistry, Toxicology, Dermatology*. 1980. 456 pp. \$69.50. 15% discount to meeting registrants, \$59.08.

Lucassen-Reynders, E.H., ed. *Anionic Surfactants: Physical Chemistry of Surfactant Action*. 1981. 412 pp. \$55. 15% discount to meeting registrants, \$46.75.

Sato, Tatsuo and Richard Ruch, eds. *Stabilization of Colloidal Dispersions by Polymer Adsorption*. 1980. 155 pp. \$29. 15% discount to meeting registrants, \$24.65.

Schick, Martin J., ed. *Nonionic Surfactants*. 1966. 1085 pp. \$191.50. 15% discount to meeting registrants, \$162.77.

MC PUBLISHING CO., McCutcheon's Division, 175 Rock Road, Glen rock, NJ 07452.

Detergents & Emulsifiers, North American Edition. 1981 edition: in U.S., \$30; outside U.S., \$33. 1982 edition: in U.S., \$35; outside U.S., \$40.

Surfactant materials are described by trade name, identity, manufacturer, concentration, type, HLB Index and application. A Food Emulsifiers section is included. For purchasers and users of surfactant materials. North

American edition lists manufacturers from the U.S. and Canada.

Detergents & Emulsifiers, International Edition, 1981 edition: in U.S., \$25; outside U.S., \$30. 1982 edition: in U.S., \$30; outside U.S., \$35.

Surfactant materials are described by trade name, identity, manufacturer, concentration, type, HLB Index and application. A Food Emulsifiers section is included. For purchasers and users of surfactant materials. International edition lists manufacturers from countries other than U.S. and Canada.

Functional Materials, 1981 edition: in U.S., \$25; outside U.S., \$30. 1982 edition: in U.S., \$30; outside U.S., \$35.

Materials often used in conjunction with surfactants in formulating finished products are described by function, trade name, manufacturer, identity, physical characteristics and product application. Functions include: defoamers, enzymes, lubricants, thickeners, waxes and others. *Functional Materials* lists manufacturers from the U.S. and Canada and other countries.

PLENUM PUBLISHING CORPORATION, 233 Spring Street, New York, NY 10013.

Degiorgio et al. *Light Scattering in Liquids & Macromolecular Solutions*. 1980. \$35.

Matijevic. *Surface and Colloid Science, Volume 12*. 1982. \$55.

Middleditch. *Practical Mass Spectrometry*. 1979. \$29.50.

Weete. *Lipid Biochemistry of Fungi and Other Organisms*. 1980. \$45.

Chemical and Petroleum Engineering. Published monthly. \$495 per year.

Chemistry & Technology of Fuels and Oils. Published monthly. \$495 per year.

Journal of Solution Chemistry. Published monthly, \$225 per year.

Call for papers

The 9th Meeting of the Federation of Analytical Chemistry and the Spectroscopy Societies (FACSS) will be held September 19-24, 1982, at the Franklin Plaza Hotel in Philadelphia, PA. Original unpublished papers will be accepted for presentation on all facets of analytical chemistry, applied spectroscopy, chromatographic methods and allied techniques of instrumental analysis.

Authors who wish to present papers at the 1982 FACSS meeting should submit the title of their presentation, their current address and telephone number by April 14, 1982, to: FACSS IX Program Chairman, Andrew T. Zander, Spectrametrics Inc., 204 Andover St., Andover, MA 01810.

Short course planned

The 50th Oil Mill Operator's Short Course will be held April 19-20, 1982, in Rudder Tower, Texas A&M University, College Station, TX. The 1½-day course for oil mill operating personnel is sponsored by the Texas Cottonseed Crusher's Association, the International Oil Mill Superintendents' Association, and the Food Protein R&D Center of Texas A&M.

Topics to be covered include "Energy Efficiency in Extraction," "The Art of Dehulling Soybeans," "Burning Sunflower Hulls for Boiler Fuel," "Extrusion Preparation for Solvent Extraction," and "Controlling Dust in Oil Mills."

For registration information, contact: Dr. Larry Johnson, FM 183, Food Protein R&D Center, Texas A&M University, College Station, TX 77843, (713) 845-2741.

Handbook of Soy Oil Processing and Utilization

AOCS Monograph 8

Edited by

David R. Erickson, Everett H. Pryde,
Ordean L. Brekke, Timothy L. Mounts
and Richard A. Falb

Published jointly with the
American Soybean Association

598 p. Hardbound—\$7

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Oilseed and Edible Oil Processing

Registration begins

Registration has begun for the World Conference on Oilseed and Edible Oil Processing to be held Oct. 3-8, 1982, in the Congress Centre, The Hague, The Netherlands.

The conference is designed to provide a thorough technical program on how to process oilseeds and edible oils into finished products, covering state-of-the-art technology with emphasis on anticipated developments through the end of the century. There will be a comprehensive review of unit processes with specific attention to energy conservation, economic use of byproducts and potential for automation.

The plenary program topics have been selected and organizers hope to confirm all speakers in time to publish the full program in the May *JAOCS*. Early registration is offered to those persons who wish to be sure of getting their choice of hotels. The reduced rates offered by the six participating hotels is guaranteed for persons who register before August.

Basically, the conference is divided into six subject areas. On Monday, speakers will discuss handling and processing of oil-bearing materials. On Tuesday, speakers will discuss processing of oil and formulation of end products. On Wednesday, speakers will discuss byproducts as well as quality standards and international trade. On Thursday there will be a series of talks on specific oilseeds and oils emphasizing the unique characteristics of each that need to be considered in processing. On Friday, the conference speakers will look toward the future with sessions on energy use, automation and long-term directions. In addition to the plenary sessions, there will be discussion groups each day at which registrants may comment upon what they have heard and may question plenary speakers. An accompanying exposition is expected to provide registrants a chance to view the latest

equipment and services that suppliers to the industry can provide.

There will be several conference social events to provide opportunity for informal conversation and consultation. On Sunday, Oct. 3, there will be a reception in the exposition area from 4 p.m. to 6 p.m. A locally sponsored reception will be held Monday evening. On Wednesday afternoon there will be an all-conference excursion. Technical program registrants will receive tickets to all these events. There will be an optional social event, a Tropical Dutch Evening to be held in nearby Leiden. There is an additional cost for tickets to this event as explained on the registration form in this issue of *JAOCS*.

A spouses' program is being arranged by local organizers which will include trips within The Hague as well as the surrounding area. Spouses' program registrants will participate in the Wednesday afternoon excursion and may order tickets for the optional Tropical Dutch Evening.

The conference registration desk in the Congress Centre will open at 2 p.m. on Sunday, Oct. 3, 1982. Persons who have pre-registered will be able to pick up their name badge—required for admission to all sessions—and other conference materials starting at that time. Registration forms will be available for persons who have not pre-registered. Those who register after Sept. 1 will pay a higher fee than those who pre-register.

A packet of information about the conference, including registration forms, is available from the AOCS, 508 S. Sixth St., Champaign, IL 61820 or from The Secretary, AOCS/VERNOF, Raamweg 44, The Hague, The Netherlands. All completed registration forms with fees and deposits should be mailed to AOCS/VERNOF, Raamweg 44, The Hague, The Netherlands.