
Meetings



Oilseed and Edible Oil Processing

Organizers for the World Conference on Oilseeds and Edible Oil Processing have announced the plenary program for the meeting to be held Oct. 3-8, 1982, in the Congress Centre of The Hague, The Netherlands.

The program has been designed to provide a thorough study of 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.

More than half the technical program speakers are from outside North America, indicating the international scope of the meeting. Afternoon discussion groups will provide registrants with the opportunity to question plenary speakers and to comment upon plenary talks. Program chairman Norm Witte is evaluating proposals for contributed papers. Proposals for such papers must reach Witte by June 1, 1982, to be considered. His address is N.H. Witte, Central Soya Company Inc., PO Box 1400, Fort Wayne, IN 46801 USA.

The accompanying exposition by suppliers to the fats and oils industry will be open 2 to 6 p.m. on Sunday, Oct. 3, and be open from 10 a.m. to 6 p.m. on Monday, Oct. 4, Tuesday, Oct. 5 and Thursday, Oct. 7. The exhibits will not be open Wednesday, Oct. 6, as the plenary session will adjourn about lunch time for an all-conference tour to Rotterdam.

Organizers have scheduled social events to increase opportunity for informal discussion between participants. There will be a reception Sunday in the exhibit area, another reception Monday evening sponsored by local governmental authorities at a local cultural center and the Wednesday trip to Rotterdam. Participation in these events is included in the registration fee for the conference. There is an additional optional social event, a Dutch tropical evening, that will be held in nearby Leiden. The party will be similar to the Dutch evenings of previous AOCS World Conferences in Amsterdam. Tickets may be ordered on the registration form.

Six hotels have rooms at special rates for the conference, but reservations must be made by Sept. 1 to ensure rooms in these hotels at the rates quoted. Transportation will be

provided between the hotels and the Congress Centre. The registration form contains specific information on room rates.

KLM Royal Dutch Airlines is official air carrier for the conference. For North American registrants only, Travelink Tours International in Rosemont, Illinois, has reserved space on trans-Atlantic flights at the lowest available fares, up to 40% below the regular coach fare.

While technical program registrants are meeting in the Congress Centre, their spouses will be able to participate in a series of tours that will include attractions in The Hague and the surrounding countryside. The Netherlands and the United States are marking 200 years of diplomatic relations and special events are scheduled in both nations throughout the year. The oilseed and edible oil conference is one of the official events of the observance.

The meeting registration desk at the Congress Centre in The Hague will open at 1 p.m. Sunday, Oct. 3, and at 8 a.m. on each of the following days of the conference.

You may register using the form in this issue of *JAACS*. If someone already has removed that form, additional copies are available from The Secretary, AOCS/VERNOF, Raamwegg 44, The Hague, The Netherlands, or from the Executive Director, AOCS, 508 S. Sixth St., Champaign, IL 61820 USA.

Participating organizations

More than two dozen organizations involved in the edible oil industry are cooperating in planning or promoting the World Conference on Oilseed and Edible Oil Processing. Those organizations are:

American Oil Chemists' Society; VERNOF (Dutch Manufacturers of Edible Oils and Fats); Food and Agricultural Association; U.S. Department of Agriculture's Agricultural Research Service; Tropical Products Institute; Italian Oil Chemists' Society; Swedish Oilseed Growers Association; Oil Technologists Association of India; Institute of Food Research and Products Development (Kaset-

sart University, Thailand); Australian Institute of Food Science and Technology; Institut des Corps Gras; International Oil Mill Superintendents Association; American Association of Cereal Chemists; DGF (German Society for Fat Research); Agriculture Canada, Food Research Institute; NIOP (National Institute of Oilseed Products, U.S.); Groupe Consultatif International de Recherche sur le Colza (International Rapeseed Research Advisory Group); FEDIOL (EEC

Seed Crushers and Oil Processors Federation); FOSFA (Federation of Oils, Seeds & Fats Associations Ltd.); American Soybean Association; Society of Chemical Industry, Fats and Oils Group (U.K.); British Food Manufacturing Industries Research Association; Institute of Shortening and Edible Oils; Palm Oil Research Institute of Malaysia; the National Cottonseed Products Association; and the International Association of Seed Crushers.

Technical plenary program

In the following listing of the plenary technical program, only confirmed plenary speakers are listed; other speakers have been chosen and invited, but written confirmation had not been received by press time (mid-March).

Sunday, October 3, 1982

Registration

Exposition opens

Reception at the Congress Centre

Monday, October 4, 1982

Registration

Opening Ceremonies

Session I-Oilseed Processing

Chairpersons: Dean Bredeson, French Oil Mill Machinery Co. Piqua, OH, USA; Roger Leysen, American Soybean Association, Brussels, Belgium; John Heilman, Continental Grain Co., New York, NY, USA.

OILSEED HANDLING AND PREPARATION. N.H. Moore, N. Hunt Moore and Associates, Memphis, TN, USA

PROCESSING OF OILSEEDS USING FLUIDIZED BED TECHNOLOGY. Gerd Florin and Helmet Bartsch, Escher Wyse, GmbH, Ravensburg, Germany

OILSEED PRETREATMENT IN CONNECTION WITH PHYSICAL REFINING, speaker to be confirmed

HEAD-END AND TAIL-END DEHULLING. W. Fetzer, Buhler Brothers Ltd., Uzwil, Switzerland

EXTRACTION OF OIL FROM FRUITS (PALM FRUIT). Speaker to be confirmed

MECHANICAL OIL EXTRACTION—U.S. Speaker to be confirmed

MECHANICAL OIL EXTRACTION—EUROPE. Speaker to be confirmed

SOLVENT EXTRACTION. Speaker to be confirmed

MEAL DESOLVENTIZING—EUROPE. Speaker to be confirmed

MEAL DESOLVENTIZING—U.S. Speaker to be confirmed

SOLVENT RECOVERY—EUROPE. Speaker to be confirmed

SOLVENT RECOVERY—U.S. Speaker to be confirmed

LIQUEFIED GASES AND SUPERCRITICAL FLUIDS IN OILSEED EXTRACTION. H.K. Mangold, Federal Center for Lipid Research, Munster, Germany

NEW SOLVENTS. E.W. Lusas, Texas A&M University, College Station, TX, USA

SAFETY—USA. Speaker to be confirmed

SAFETY (DUST EXPLOSIONS)—EUROPE. Speaker to be confirmed

A LOOK AT THE FUTURE OF OILSEED PROCESSING. J.E. Heilman, Continental Grain Co., New York, NY, USA

Exhibits

Discussion groups

Evening reception

Tuesday, October 5, 1982

Registration

Session II — Oil Processing

Chairpersons: R.J.S. Ohlson, A.B. Karlshamn Oljefabriker, Karlshamn, Sweden; Robert Hastert, Harshaw Chemical Co., Beachwood, OH, USA

DEGUMMING, DEWAXING AND REFINING. G.B. Haraldsson, Alfa Laval, Tumba, Sweden

OIL SOLID SEPARATION. E.G. Latondress, Davy McKee Corp., Chicago, IL USA

PRETREATMENT FOR PHYSICAL REFINING. J.C. Segers, UniMills B.V., The Netherlands

PHYSICAL REFINING. A. Forster, Simon Rosedowns, Hull, England

HYDROGENATION THEORY, R. Larsson, University of Lund, Lund, Sweden

ENZYMATIC INTERESTERIFICATION. A. Macrae, Unilever Research, Sharnbrook, England

DEODORIZATION. F.A. Dudrow, Rust Engineering Co., Birmingham, AL, USA

FINISHED PRODUCT FORMULATION. J. Lefevre, Lesieur Cotelle & Associates, Boulogne sur Seine, France

EFFECT OF PACKAGING ON PRODUCT QUALITY. D.A. Leo, Anderson Clayton Foods, Richardson, TX, USA

LINKS BETWEEN PROCESSING. J. Lau, Franz Kirchfield GmbH, Dusseldorf, West Germany

Exhibits

Discussion groups

Wednesday, October 6, 1982

Registration

Session III — Byproducts

Chairpersons: T.L. Mounts, USDA Northern Regional Research Center, Peoria, IL, USA; Roger LeBlanc, C.E.T. UNIPOL, Duclair, France.

LECITHIN PRODUCTION AND UTILIZATION. B.F. Szuhaaj, Central Soya Co. Inc., Fort Wayne, IN, USA

ALTERNATIVES IN SOAPSTOCK USE. J.B. Woerfel, consultant, Clarksdale, MS, USA

OIL RECOVERY FROM SPENT BLEACHING EARTH. T.L. Ong, CIVO Institutes TNO, Zeist, The Netherlands

QUALITY OF BYPRODUCTS OBTAINED FROM PALM OIL PHYSICAL AND CHEMICAL REFINING. Wong Mong Hong, Lam Soon Oil and Soap Mfg. Sdn. Bhd., Petaling Jaya, Malaysia

Session IV — Trading and Quality

Chairpersons: Edward J. Campbell, Archer Daniels Midland Co., Decatur, IL, USA; Marshall Pike, Harrisons & Crosfield Ltd., Cam-

berley, Surrey, England

OILSEED QUALITY REQUIREMENTS FOR PROCESSING. J.L.R. Pritchard, J. Bibby Edible Oils Ltd., Liverpool, England
DETECTION OF ADULTERATION. J.B. Rossell, Leatherhead Food Research Association, Leatherhead, England
QUALITY REQUIREMENTS AND ECONOMIC VALUES IN TRADING OF OILS. D.A. Shave, Unilever Ltd., London, England
NEW ANALYTICAL METHODOLOGY. R.T. Sleeter, Archer Daniels Midland Co., Decatur, IL, USA

All-conference afternoon tour

Thursday, October 7, 1982

Registration

Session V – Individual Oils

Chairpersons: Roy A. Carr, Canbra Foods Ltd., Lethbridge, Canada; John Cherry, USDA Southern Regional Research Center, New Orleans, LA, USA; Kurt G. Berger, Palm Oil Research Institute of Malaysia, Kuala Lumpur, Malaysia

SOYBEAN OIL. D.R. Erickson, American Soybean Association, St. Louis, MO, USA

PEANUT OIL. J.L. Ayers, Gold Kist Inc., Atlanta, GA, USA

COTTONSEED OIL. J.P. Cherry, USDA Southern Regional Research Center, New Orleans, LA, USA

SUNFLOWER OIL. Speaker to be confirmed

NEW TECHNOLOGICAL ASPECTS OF A NEW SUNFLOWER OIL FACTORY IN NORTH DAKOTA. S. Muller, director, National Sun Industries, Tel Aviv, Israel

PROCESSING OF MAIZE. Z. Leibovitz, HLS Ltd., Tel Aviv, Israel

PALM OIL. M. McLellan, Palm Oil Research Institute of Malaysia, Kuala Lumpur, Malaysia

PALM KERNEL OIL AND COCONUT OIL. F.V.K. Young, consultant, Liverpool, England

CANOLA OIL. T.K. Mag, Canada Packers Inc., Toronto, Canada

RAPESEED OIL. R.S. Ohlson, A.B. Karlshamns Oljefabriker, Karlshamn, Sweden

MARINE OILS. S.M. Barlow, International Association of Fish Meal Manufacturers, Potters Bar, England

MISCELLANEOUS EXOTIC OILS. Enzo Fedeli, Experimental Station for Fats and Oils, Milan, Italy

Exhibits

Discussion groups

Optional evening social event

Friday, October 8, 1982

Session VI – Energy

Chairpersons: C.L. Kingsbaker, consultant, Atlanta, GA; Wolfgang Stein, Krupp Industrie und Stahlbau, Hamburg, Germany

ENERGY CONSERVATION IN SOLVENT EXTRACTION – U.S. S. Dada, Continental Grain Co., New York, NY, USA

ENERGY CONSERVATION IN EXTRACTION OPERATIONS – EUROPE. H. Schumacher, consultant, Hamburg, Germany

ENERGY CONSERVATION IN EDIBLE OIL PROCESSING – U.S. A.M. Gavin, EMI Corporation, Des Plaines, IL, USA

ENERGY ASPECTS OF VARIOUS CRUDE OIL PROCESSES AND EFFECTS ON EDIBLE OIL ECONOMICS. G. Juristowszky, Agro Industrija, Yugoslavia

Session VII – Automation

Chairpersons: Calvin Zehnder, Chemetron Corporation, Louisville, KY, USA; S. DeBruin, Unilever Research, Vlaardingen, The Netherlands

AUTOMATION IN EXTRACTION PLANTS. K. Jokinen, The Raisio Factories, Raisio, Finland

AUTOMATION IN VEGETABLE OIL REFINERIES. E. Nobrega, The Foxboro Co., Foxboro, MA, USA

CHALLENGES IN AUTOMATION. Speaker to be confirmed

Session VIII – Long Term Directions

Chairpersons: A.R. Baldwin, Cargill Inc., Minneapolis, MN, USA; K.F. Gander, Unilever Forschungsgesellschaft mbH, Hamburg, Germany

CHANGES IN COMMERCIAL FAT AND OIL PRODUCTS BY

THE YEAR 2000. L. H. Wiedermann, American Soybean Association, Hong Kong

CHANGES IN PROCESSING METHODS, EQUIPMENT AND PROCEDURES. T.L. Mounts, USDA Northern Regional Research Center, Peoria, IL, USA

NEW OIL CROPS. A.T. James, Unilever Research, Sharnbrook, England

FATS AND OILS VIS-A-VIS PETROLEUM PRODUCTS. C. Boelhouwer, University of Amsterdam, Amsterdam, The Netherlands

Discussion groups

HOTEL ACCOMMODATIONS

Rooms have been reserved at a number of hotels in the Hague which are no more than a short bus ride away from the Congress Centre. Reservations may be made at the special group rates by use of the conference registration form. A list of hotels by general location and tariffs follows:

NEAR THE CONGRESS CENTRE:

Hotel Bel Air, Johan de Wittlaan 30, 2517 JR The Hague
Tel. 070 - 57 20 11, telex 31444

Single: Hfl 110,-

Double: HFL 150,-

Promenade Hotel, Van Stolkweg 1, 2585 JL The Hague
Tel. 070 - 57 41 21, telex 31162

Single: Hfl 160,-

Double: Hfl 175,-

Breakfast: Hfl 15,-

SCH EVENINGEN (ON THE COAST):

Kurhaus Hotel, Gevers Deynootplein 30, 2586 CK The Hague

Tel. 070 - 52 00 52, telex 33295

Single: Hfl 115,-

Double: Hfl 170,-

Europa Hotel, Zwolsestraat 2, 2587 VJ The Hague

Tel. 070 - 51 26 51, telex 33138

Single: Hfl 85,-

Double: Hfl 140,-

CENTER OF THE CITY:

Hotel Babylon (next to railroad station), Koningin Juliana-plein 35, 2595 AA The Hague

Tel. 070 - 81 49 01, telex 34001

Single: Hfl 150,-

Double: Hfl 175,-

Hotel des Indes, Lange Voorhout 54 - 56, 2514 EG The Hague

Tel. 070 - 46 95 53, telex 31196

Single: Hfl 121,-

Double: Hfl 182,-

Most hotels have suites available. Tariffs include breakfast (except at Promenade Hotel), service and tax. A deposit of Hfl 200,- is required with your reservation. The committee will confirm hotel reservations and will provide a voucher in the amount of the deposit. Transportation will be provided between the hotels and the Congress Centre and to social events when necessary.

74th Annual Meeting American Oil Chemists' Society

May 8-12, 1983

Marriott Hotel, Chicago, Illinois

Technical topics announced

Approximately three dozen topics are being considered for symposia and technical sessions during the AOCS' 74th Annual Meeting to be held May 8-12, 1983, at the Marriott Hotel in Chicago.

Persons interested in speaking should follow the instructions in the Call for Papers that follows this article. Final determination of technical session topics will be made later this year.

The Nov. 1, 1982, deadline for submitting abstracts is earlier than for past AOCS meetings, but under new procedures established by the Governing Board, all submitted abstracts must be reviewed by a subcommittee of the National Program Planning Committee.

Topics being considered:

Exercise and Lipids
Plant Lipids
Detergents
Antioxidants
Flavor Stability
Enzymatic Reaction in Flavor Determination
Pharmacological Role of Lipids
Argentation Applications in Fats and Oils
Developments in Mass Spectrometry
Operating Expertise in Oil Processing

Hydrogenation
Industrial Crops and Biomass
Oilseed Proteins
Heated Fats
Commodity Oil Markets
Fatty Acid Metabolism
Oilseed Extraction
Autoxidation
Industrial Fatty Acids (Ralph Potts Memorial Symposium)
Petrochemical Alternatives from Fats
Tall Oil
Packaging
Performance Testing in Detergent Industry
Animal Fats
Membrane Lipids
Essentiality of Linolenic Acid
Surfactants
Chemical Synthesis
Analytical Aids to Processing
Lipids Methodology
Applications of Supercritical Fluids
Phospholipids
Nutrition
Prostaglandins

CALL FOR PAPERS

74th Annual Meeting
May 8-12, 1983
Marriott Hotel, Chicago, Illinois

The technical program committee for the 74th annual meeting of the American Oil Chemists' Society is accepting abstracts for papers to be presented during that meeting. Persons wishing to present papers should submit three copies of a 100- to 300-word abstract with title, speaker and coauthors clearly indicated. Contributed papers are expected to require approximately 20 minutes, including any time the author wishes to use for questions from the audience. Please indicate if you wish to make your presentation in a lecture-and-slide format or during a poster session. Persons whose abstracts are accepted will be notified

during early 1983 by the program committee. Mail abstracts to:

T.L. Mounts, 1983 Technical Program
Chairman
Oilseed Crops Laboratory
Northern Regional Research Center, ARS,
USDA
1815 N. University St.
Peoria, IL 61604 USA

Abstracts must reach the chairman by Nov. 1, 1982, to ensure consideration for the program.

Sunflower market appraised

Cautiously optimistic about what lies ahead for sunflower crushers, Cargill Sunflower Merchandising Manager Herbert L. Steed says he sees "at least a better year ahead . . . but probably not a great year."

Speaking in March before the 31st Oilseed Processing Clinic in New Orleans, Steed said that U.S. sunflower crushing facilities, which shut down in early 1982 because of negative crushing margins, should reopen this fall after the 1982 harvest.

"Our basic problem is a shortage of seed," Steed reports. "To a great extent, strong export demand for seed from the countries that will pay a premium pushes the price of sunflower oil to a price that the American consumer refuses to pay," Steed explains. The high price of sun oil relative to competing oils reduces demand for sun oil, which in turn "squeezes" the margin for the U.S. processor, making it unprofitable to crush the seed.

Steed expects this situation to improve, though, because producers are beginning to realize that current sun seed prices offer a better return than alternative crops. A larger crop should mean that sunflower seed will be more price-competitive with other oilseeds, and hence more profitable for the processor to crush and more acceptable to cost-conscious consumers.

But the condition of the industry will worsen before it improves, Steed predicts. Larry Kleingartner, executive director of the National Sunflower Association, has reported that Argentina sun oil has been selling for considerably less than the United States', detracting from the demand for U.S. sun oil. Steed foresees this situation growing more intense as cheap supplies of sun oil out of Argentina move to the export market this spring and summer. "We're facing a very grim economic situation," laments Steed.

Penn State to host triennial meeting

The Triennial Meeting of the American Institute of Nutrition, the American Society for Clinical Nutrition, and the Canadian Society for Nutritional Sciences will be held July 22-24, 1982, at Pennsylvania State University.

Among the symposia planned is a session on Lipoproteins and Atherosclerosis, scheduled for the afternoon of July 22. For more information, contact the American Institute of Nutrition, 9650 Rockville Pike, Bethesda, MD 20014, (301) 530-7050.

Analytical short course planned

An AOCs Short Course on Analysis of Lipids and Lipoproteins is scheduled to be held Nov. 7-10, 1982, at the Chateau Louise in Dundee, Illinois. Dundee is a suburb of Chicago.

Subjects will include separation of lipids from animal and plant tissue, derivatives for chromatography and mass spectrometry; separation of neutral lipids; separation of phospholipids; separation of complex lipids; prostaglandins; structure determination; analytical techniques; measurement and use of volatile compounds in assessing fat and oil

quality; lipoproteins; analytical and structural methodology as well as others.

The course is a follow-up to AOCs' 1970s short courses on lipid and lipoprotein analysis.

Registration forms and other information about the conference will be available from the American Oil Chemists' Society, 508 S. Sixth St., Champaign, IL 61820.

Symposium on lipids in cancer

"Lipids in Cancer" is the topic of a symposium to be held in association with the 12th International Congress of Biochemistry in Australia this summer.

The program will consist of an overview of the subject area, four discussion sessions, and a debate:

Overview: Cancer — the questions that must be answered: Session 1, That carcinogenesis requires a specific lipid environment; Session 2, That lipid metabolism regulates cell division; Session 3, That cellular membranes do as their lipids tell them; Session 4, That fat in the food dictates life in the tumor; and Debate, That cancer is a membrane disease.

The symposium will be held aboard the train Indian-Pacific Express, leaving Sydney on August 12 and arriving in Perth for the opening of the Congress on August 15.

Further information about the symposium is available from J.R. Sabine, Waite Agricultural Research Institute, University of Adelaide, Glen Osmond S.A. 5064, Australia.

Oilseed processing clinic held

The 31st Oilseed Processing Clinic drew 150 participants to New Orleans March 15-16, 1982. The meeting, sponsored by the Mississippi Valley Oilseed Processors Association and the USDA Southern Regional Research Center, featured 13 presentations and a poster session on various topics, including processing technology, government regulation, export markets and economics.

Five AOCs members were among the speakers. Robert J. Hron presented an "Overview of Alternate Renewable Resource Solvents for Vegetable Oil Extraction," and Edmund Lusas discussed "Producing Edible Oil and Protein from Oilseeds by Aqueous Processing." Former AOCs President George C. Cavanagh detailed "Some Applications of Near Infrared Reflectance Spectroscopy in the Oilseed Industry." Edith J. Conkerton focused on "Bioregulators and Their Effect on Seed Properties" in the poster session. "Research Developments in Applications of Supercritical Fluids" were reported by Timothy L. Mounts, who also presented a poster paper on supercritical CO₂ extraction of oil-bearing materials.

ISF meeting canceled

The scheduled meeting of the International Society for Fat Research for 1982 in Gdansk, Poland, has been canceled because of economic difficulties. Organizers in Poland had obtained approval of a conference budget from the Polish Academy of Sciences, but funds to accomplish objectives were not available. ISF officials are considering alternatives.