

# AOCS Conference on

# Dietary Fats and Health

Major session topics and tentative titles for plenary papers have been announced by the organizers of the AOCS Conference on Dietary Fats and Health to be held Dec. 6-11, 1981, at the Conrad Hilton Hotel in Chicago.

The conference is being organized to provide an objective forum and to review current knowledge relative to the role of fats in nutrition, health and disease as well as to promote dialog and understanding among all interested persons. A useful exchange of information among representatives of academia, government, health care and industry is sought. The conference also will seek to identify areas where future research, information and educational programs are needed.

Conference chairmen are Drs. Willard Visek, School of Basic Medical Science and E.G. Perkins, Department of Food Science, both of the University of Illinois.

Session topics, chairpersons and tentative plenary talks are:

Basic Overview of Fat Chemistry and Technology, H.J. Dutton, The Hormel Institute, Austin, MN, and Ragnar Ohlson, AB Karlshamns Oljefabriker, Karlshamn, Sweden.

Sources, Chemistry and Processing of Fats and Oils

Consumption and Composition of Fats

Structure and Physical Properties of Fats

Hydrogenation of Fats

Lipid Stability and Deterioration

Gas Chromatography

Thin Layer Chromatography

Crystallography of Fats

GS-MS of Lipids

HPLC of Lipids

Chemical Methods

Nuclear Magnetic Resonance

Roles of Fats in Nutrition, Joyce Beare-Rogers, Department of Health and Welfare, Canada, Ottawa, Ontario, Canada, and J.J. Gottenbos, Unilever Research, Vlaardingen, The Netherlands.

Nutritional and Physiological Roles of Fats

Essential Fatty Acid Deficiencies in Man

Prostaglandins

Cholesterol Metabolism

Lipids in Pre- and Post-Natal Development

Two subplenary sessions

Current Views on Lipids in Coronary Heart Disease, David Kritchevsky, The Wistar Institute, Philadelphia, PA.

Epidemiology of Coronary Heart Disease

Diet, Fats and Coronary Heart Disease

Lipoproteins, Structure and Function

Hyperlipidemia, Genetics and Environmental Factors in Coronary Heart Disease

Lipids and Coronary Heart Disease

Analysis of Lipoproteins

Current Research on Lipids and Cancer, K.K. Carroll, University of Western Ontario, London, Ontario, Canada, and Willard J. Visek, University of Illinois, Urbana, Illinois.

Epidemiological Evidence Associating Lipids with Cancer Causations

The Relation of Lipids to Cancer

Experimental Research on Lipid Protein Interaction in Hormone Dependent Cancer

Experimental Research on Lipids and Intestinal Cancer Antioxidants and Cancer

Two subplenary sessions

Emerging Research on Dietary Fat and Disease

Aging

Cystic Fibrosis

Diabetes

Multiple Sclerosis

Recommendations for Future Research Education and Information Programs

Concluding Lecture: Interaction of Lipids with Nutrition, Cancer and Coronary Heart Disease.

Full program details, including names of plenary and subplenary speakers, are expected to be available during May. The two subplenary sessions on the Role of Fats in Nutrition will deal with isomeric fats and with vitamins. The subplenary sessions on Current Research on Lipids and Cancer will cover a variety of topics, including mammary cancer, mutagenesis and lipoproteins.

Plenary sessions will be held each morning, in some cases extending into the afternoon. Subplenaries will be held during afternoons; discussion groups will meet during late afternoon. Session chairpersons and the conference chairmen will prepare a report on recommendations for future research, educational and information programs, which will be presented during the concluding plenary session on Friday, Dec. 11, 1981.

Among the participating organizations are the American Medical Association, the American Health Foundation, the National Dairy Council and the National Heart, Lung and Blood Institute. □

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## Sunflower Forum

Don Lilleboe, Secretary of the Sunflower Association of America and editor of *The Sunflower*, welcomed close to 1,000 people to the association's 4th Sunflower Forum in Fargo, ND, on Jan. 26. Speakers at the one-day meeting shared a concern for the place of sunflower oil in the U.S. edible oil market and attempted to explore means of

increasing public acceptance of what they believe to be a top quality oil.

Ralph Hayenga, senior vice-president of Honeymead and one of the original incorporators of the Sunflower Association, commented that "if patience is a virtue, we in the sunflower industry have been very, very virtuous." In the past two years, he reported, U.S. consumption of sunflower oil (only 200 million pounds) was less than 10% of the total U.S. production, most of which is exported to Europe. Hayenga stressed the need for a competitive campaign to educate the consumer and to steal part of the domestic corn and soybean oil market for sunflowers.

His confidence in the value of sunflowers as a U.S. crop was shared by Joe Smith, president of Agricom International. Smith, however, believes that the key to a secure future for sunflower oil lies in the development of wider markets and of better means for transporting the oil to existing markets. He also pointed out that other oilseed crops—particularly soybeans—are reaping the benefits of many years of research and that the production of sunflower seed which could yield another 100 pounds of oil per ton would improve the chances for the sunflower market.

Sales of non-oil sunflowers—largely confectionary—are growing at about 10% per year, according to Ralph Taylor, president of Dahlgren and Co. and the first president of the Sunflower Association, who estimated that 40%, the smaller seed, is sold as wild bird food and 60% to supermarkets. Taylor predicted a steady growth in this industry which, he said, "hasn't yet scratched the European market."

Judi Adams, who spoke on behalf of the North Dakota Sunflower Council, described plans to increase the "institutional" market for sun oil—an area in which the industry needs to make progress, she said. The Council has been offering samples to major food companies with some successful results, and emphasizing the high linoleic acid content of sunflower oil in their advertising campaign.

Although domestic consumption of sun oil doubled in 1979, it still is only 1% of the total U.S. oil and fat market. □

## 1982 Prostaglandin meeting announced

A preliminary announcement has been made that the Fifth International Conference on Prostaglandins will be held May 18-21, 1982, in the Palazzo dei Congressi in Florence, Italy. Abstracts should be submitted by December 1981. Abstract forms and the preliminary program are available through the Fondazione Giovanni Lorenzini, Via Monte Napoleone, 23; 20121-Milan, Italy. □

## Colloid Conference in July

Eight plenary lecturers have been announced for IUPAC's Fourth International Conference on Surface and Colloid

Science to be held July 5-10, 1981, in Jerusalem, Israel.

The plenary lecturers will include B.V. Deriaguin of the Academy of Sciences of the USSR; D.H. Everett of the University of Bristol, U.K.; S.P. Hersh, North Carolina State University, U.S.; M. Kerker, Clarkson College, U.S.; H. Kuhn, Max Planck Institute, Germany; J. Lyklema, Wageningen Agricultural University, The Netherlands; M.W. Roberts, University of Cardiff, U.K.; and D.M. Small, Boston University Medical Center, U.S.

The meeting is sponsored by IUPAC and the Israel Chemical Society whose Colloid and Surface Chemistry section has organized the meeting.

Registration forms and housing reservation materials are available from the Secretariat, Fourth International Conference on Surface and Colloid Science, c/o Conventions (Kopel Tours) Ltd., PO Box 3054, Tel Aviv 61030, Israel. Correspondence, abstracts and requests for scientific information should be sent by airmail to Dr. N. Garti, Casali Institute of Applied Chemistry, School of Applied Science and Technology, The Hebrew University of Jerusalem, Jerusalem 91904, Israel. □

## Mycotoxin meeting in Egypt

An International Symposium on Mycotoxins will be held Sept. 6-8, 1981, at the National Research Centre in Cairo, Egypt, under sponsorship of that center and the U.S. Food and Drug Administration.

Subjects will include general principles of food safety, aflatoxin natural occurrence, other mycotoxins, regulatory control, and prevention and decontamination.

Formal presentations will be made by invited speakers. Poster sessions will be scheduled based on submitted abstracts, which must be received by June 30, 1981.

General information is available from Drs. A.E. Poland (HFF-452) or D.L. Park (HFY-31), FDA, 5600 Fishers Lane, Rockville, MD 20857. Abstract forms, registration forms and housing reservation material is available from Dr. Khayria Naguib, National Research Centre, Dokki-Cairo, Egypt. □

## 1981 Gordon Research Conference

A brochure outlining the Gordon Research Conferences to be held during 1981 is available from Gordon Research Conferences, Pastore Chemical Laboratory, University of Rhode Island, Kingston, RI 02881. The series of one-week conferences begins June 8 and continues through August at 11 locations.

Among the 100+ topics this year are lipid metabolism, June 15-19 at Kimball Union Academy in Meriden, NH; arteriosclerosis, June 22-26, also at Kimball; glycoprotein and glycolipids, Aug. 3-7, also at Kimball; food and nutrition, July 27-31, at Colby-Sawyer College in New London, NH. □