

AOCS Conference on

Dietary Fats and Health

HDL session announced

Five speakers have been named for a recently announced session on high density lipoprotein (HDL) during the Conference on Dietary Fats and Health to be held Dec. 6-11, 1981, in Chicago's Conrad Hilton Hotel.

The subplenary session will be held Wednesday afternoon, Dec. 9, with Dr. Gary Nelson of the National Institutes of Health's Lipid Metabolism Branch as chairman. Dr. Nelson will open the session with a brief introduction entitled "Effects of Diet on HDL."

Other speakers and topics will be:

- Dr. Richard L. Jackson, professor in the department of pharmacology and cell biophysics at the University of Cincinnati's College of Medicine on "Effects of Dietary Carbohydrates on HDL Subfractions."
- Dr. Lawrence L. Rudel, associate professor of comparative medicine at the Wake Forest University's Bowman Gray School of Medicine on "Effects of Polyunsaturated Fat on Nonhuman Primate HDL."
- Dr. Virgie Shore, senior biochemist at the Lawrence Livermore Laboratory, on the "Effects of Varying Dietary Polyunsaturated Fat on the Lipoprotein Pattern of Normal Men."
- Dr. Fred Matson, director of the lipid research clinic at the University of California-San Diego in La Jolla on

"Effects of Dietary Fatty Acids on Plasma HDL and LDL Cholesterol Levels."

Further details on the full program, registration forms and housing information is available from the American Oil Chemists' Society, 508 S. Sixth St., Champaign, IL 61820 USA.

The conference is designed to provide an objective forum 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 is sought among representatives of academia, government, health care professions and industry.

Three professional organizations—the American Medical Association, the American Dietitians Association, and the Hospital, Institution and Educational Food Service Society—have accredited the meeting for continuing education credit.

Each day of the conference will have a separate topic: Monday, Basic Overview of Fat Chemistry and Technology; Tuesday, Role of Fats in Nutrition; Wednesday, Current Views on Coronary Heart Disease; Thursday, Current Research on Lipids and Cancer; and Friday, Emerging Research on Dietary Fats and Nutrition.



Technical topics announced

An extensive, integrated technical program including several innovations for AOCS annual meetings is being prepared for the meeting to be held May 2-6, 1982, in Toronto's Sheraton Centre.

The technical program will begin Monday, May 3, with two concurrent keynote sessions. Four talks establishing the major themes of the meeting will be presented at each of these sessions. In one keynote meeting, the four theme

talks will be:

- Biochemistry of Unsaturated Fatty Acid Isomers, E.A. Emken.
- Lipid Methodology—Chromatography and Beyond, A. Kuksis.
- Membranous Systems and Their Activity, D.F.H. Wallach.

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- Preservation of Lipid Integrity, J.J. Kabara.
- In the second keynote meeting, the four theme talks will be:
- Biotechnology of Fats and Oils, speaker to be named.
 - Energy Conservation and the Fats and Oils Industry, B.F. Brooks.
 - Vegetable Oils—Production and Processing, A.R. Baldwin.
 - Edible Oils of the Future, L.H. Wiedermann.

The tentative technical program will include approximately four dozen sessions, including 24 symposia, approximately 20 regular sessions, 3 discussion sessions, plus poster sessions. Technical Program Chairman James Rattray particularly encourages authors submitting abstracts to consider using a poster presentation.

The tentative listing of sessions (symposia are marked with an asterisk):

Analytical: Gas Chromatography, Resonance Spectroscopy (two sessions), Quality Control Analysis of Oils and Oilseeds

Biochemistry: Control of Polyunsaturated Fatty Acid Synthesis in Plants*, Membrane Lipids of Unicellular Organisms*, Phospholipid Exchange Systems*, Immunological Activity of Membranous Systems*, and Regulation of Lipoxygenase and Lipoperoxidases*

Chemistry: Chemistry of Unsaturated Fatty Acids and Derivatives, Chemistry of Flavor Stability*, Structure of Natural and Artificial Membranous Systems*, and Rheology of Oil-Based Products

Emulsifiers and Detergents: Application of Surfactants in the Petroleum Industry*, Biosurfactants—Sources and Commercial Importance*, Surface Chemistry, Surfactant Analyses, Surfactant Evaluation, and Energy Conservation

Environmental: Xenobiotic Occurrence in Processed Fats and Oils, and Biologic and Toxic Effects of Lipophilic Xenobiotics*

Industrial: New Processing Procedures, Refining and Degumming, Automation and the Fats and Oils Industry*, Hydrogenation, Biotechnology*, Food Fats Systems—Past, Present and Future*, Energy Conservation and Plant Operation*, and Extraction Processes

New Fats/New Applications: Fats and Oils as Petrochemical Substitutes*, Uses of Vegetable Oils and Diesel Fuels*, Non-Food Applications of (Whole) Plant Oils*, Biotechnology of Microorganisms in the Production of Fats and Oils*, and Sunflower Seed Oil (two sessions)*

Nutrition and Health: Fatty Acid Nutrition (two sessions), Nutritional Effects of Thermally Oxidized Fat, Membrane Damage and Repair*, and Tocopherols*

Proteins: Meal Proteins and Bioengineering in Protein Production (two sessions), and Proteins and Nutrition (two sessions)

Safety and Engineering: Processing Engineering and the Fats and Oils Industry*, and Effluent Control and the Fats and Oils Industry*

General sessions will also be scheduled to accommodate papers that do not fit into the above categories.

Deadline for submission of abstracts for the 1982 meeting in Toronto is Nov. 15, 1981. General chairman is Dr. James B.M. Rattray, Department of Chemistry, University of Guelph, Guelph, Ontario, N1G 2W1, Canada. Contributed papers are expected to be approximately 15 minutes, with five additional minutes for discussion.

The three discussion sessions planned will involve a question-and-answer format with panelists selected by the session organizers. Robert Hastert of Harshaw Chemical is

organizing such a session on the topic of hydrogenation. Potential attendees will have the opportunity to submit questions in advance of the meeting (the December *JAOCs* will have more details and a questionnaire form that may be used). The questions will be screened and arranged in a logical sequence, with hydrogenation specialists from throughout the United States providing answers. Additional questions will be permitted during the Toronto sessions.

Toronto abstracts deadline NOVEMBER 15

Short Course: Methods for Nutritional Assessment of Fats

An AOCS Short Course on Methods for Nutritional Assessment of Fats will be held April 30-May 1, 1982, at the University of Guelph, in Guelph, Ontario, Canada.

The short course will immediately precede AOCS' 73rd Annual Meeting which is scheduled for May 2-6, 1982, in Toronto, approximately 50 miles away.

Chairperson for the short course will be Dr. Joyce Beare-Rogers, chief of nutritional research in the Bureau of Nutritional Science in the Health Protection Branch of Canada's Health and Welfare agency. Specific program and registration details will be published in later issues of *JAOCs*. Persons who wish to receive information more quickly should send a note to AOCS Short Course on Methods for Nutritional Assessment of Fats, 508 S. Sixth St., Champaign, IL 61820 USA. Holding the short course at the University of Guelph will permit relatively inexpensive housing fees.

Vegetable protein topic for October meeting

A European Congress on Vegetable Protein for Human Food will be held Oct. 5-7, 1981, in Nantes, France, organized by the Institut National de la Recherche Agonomique in France.

The focus will be on European raw materials, including lupine, legumes, sunflower and rapeseed, with sessions on extraction, nutrition and functional properties. In addition to the formal lectures, there will be poster sessions, a round table discussion and an exposition. Official conference languages will be French and English.

The meeting will be held at the Ecole Nationale Veterinaire in Nantes. Registration forms and program information are available from Nantes Congress, Julienne Penilleau, Centre Nepture, 44000 Nantes, France.