

# AOCS CONFERENCE

## Analysis of Lipids and Lipoproteins

June 17–23, 1973

Ramada Inn

Champaign, Illinois

*The 1973 AOCS Summer Conference on Analysis of Lipids and Lipoproteins, is designed to cover broadly the areas of lipid isolation, separation and characterization. Virtually all classes of lipids will be taken into account in the discussion.*

*The last time a conference of this nature was held was in late 1964 at Pennsylvania State University. Since that conference, many new developments and advances in lipid methodology have occurred. These will be discussed by the participants in Champaign.*

*The section on separation and characterization will appeal to all types of lipid chemists, while the section dealing with lipoproteins will be of special interest to chemists with a clinical orientation, as will the discussion on the use of TLC and automated analysis in the clinical laboratory. The presentation concerning L/S ratio techniques will be of certain interest to the clinical lipid biochemist.*

*Papers will be presented by individuals who are actively engaged in laboratories and who are currently practicing the techniques they will be discussing. Emphasis will be placed on the practical aspects of the techniques to be presented.*

*Program Chairman: E.G. Perkins, Professor of Food Chemistry, Burnsides Research Lab., Dept. of Food Science, University of Illinois, Urbana.*

### Technical Program

#### Monday

1. Isolation of Lipids from Tissues  
G. Nelson, Senior Staff Scientist, Biomedical Div., Lawrence Livermore Lab., University of California, Livermore.
2. GLC of Lipid Derivatives  
N. Pelick, Chairman of the Board, Supelco, Inc., Bellefonte, Pa.
3. GLC of Neutral Lipids  
A. Kuksis, Associate Professor, Banting and Best Dept. of Medical Research, University of Toronto, Toronto, Canada
4. Qualitative and Quantitative Aspects of Neutral Lipid TLC  
F. Snyder, Head of Biological Chemistry, Oak Ridge Associated Universities, Oak Ridge, Tenn.
5. Fractionation of Phospholipids  
G. Nelson

6. Separation of Complex Lipids: Gangliosides, Galactosides, Sphingolipids, etc.  
L.A. Witting, Associate Professor, Dept. of Food Science and Nutrition, Texas Woman's University, Denton
7. Structure Determination of Lipids Using Chemical Means  
B.L. Walker, Associate Professor, Dept. of Nutrition, University of Guelph, Guelph, Ontario, Canada

#### Tuesday

8. Analytical Liquid Chromatography of Lipids  
O. Privett, Professor, The Hormel Institute, Austin, Minn.
9. New Techniques in Lipid Analysis: Isomeric Fatty Acids  
H.J. Dutton, Head, Chemical and Physical Properties Investigations, Oilseed Crops Lab., Northern Regional Research Lab., USDA, Peoria, Ill.
10. NMR of Lipids: Use of Chemical Shift Reagents  
P.E. Pfeffer, Research Chemist, Eastern Marketing and Nutrition Research Div., USDA, Philadelphia, Pa.
11. Mass Spectrometry of Lipids (General)  
W.K. Rohwedder, Principal Chemist, Oilseeds Crops Lab., Northern Regional Research Lab., USDA, Peoria, Ill.
12. GC-MS: Pyrolysis of Lipids  
E.G. Perkins, Professor, Dept. of Food Science, University of Illinois, Urbana
13. Nutritional Aspects of Lipid Research  
B.L. Walker
14. Centrifugal Methods for the Separation and Analysis of Lipoproteins  
F.T. Lindgren, Research Biophysicist, Donner Lab., University of California, Berkeley

#### Wednesday

15. Fluorescence Methods for Study of Lipids and Lipoproteins  
K.A. Narayan, Research Nutritionist, Food Lab., U.S. Army Natick Labs., Natick, Mass.
16. Interaction of Low Density Lipoproteins with Poly-anions  
T. Nishida, Professor, Dept. of Food Science, University of Illinois, Urbana
17. Newer Techniques for the Study of Lipoproteins  
A. Scanu, Professor of Medicine and Biochemistry, Pritzker School of Medicine, University of Chicago, Chicago, Ill.
18. Automated Methods of Lipid Analysis  
D. Kemper, Director of Biochemistry, Gilford Instrument Co., Oberlin, Ohio
19. Use of TLC in Lipid Clinical Laboratory  
P. Tocci, Director of Biochemical Genetics, Assistant Professor of Pediatrics and Biochemistry, University of Miami Medical School, Miami, Fla.
20. Lecithin-Sphingomyelin Ratio Technique in Assessment of Amniotic Fluids  
L. Gluck, Professor of Pediatrics and Obstetrics, School of Medicine, University of California, San Diego, La Jolla

**GENERAL INFORMATION**

- Registration:* AOCs Members—\$110 Nonmembers—\$140  
 Registration Opens 4:00 P.M. Sunday, June 17 at the Ramada Inn Convention Center.
- Housing:* Rooms for the conference have been blocked at the Ramada Inn. Rates are \$13.65 single and \$18.90 double. Indicate on the registration form the type of accommodation required. Confirmation will be returned directly by the hotel.  
 Limited rooms are available on a first come, first served basis at Snyder Hall, across from the Intramural Physical Education Building on the UI Campus, three blocks from the Ramada Inn. Rates are \$5.50 single and \$4.25 double; towels are *not* available, and baths are communal.
- Recreation:* Registrants may obtain free 4 day passes to the UI Intramural Physical Education Building, a beautiful new structure with facilities for swimming, basketball, handball, squash, and many other activities. For those who wish to take time for golf, several courses, including the 36 hole University Course, are nearby.
- Travel:* Champaign-Urbana is served by direct flights from Chicago, St. Louis, New York, Washington, D.C., via Ozark Airlines. The city is located at the junction of Interstates 74 and 57.
- Deadlines:* Registration must be received by May 17, 1973, to ensure housing at the Ramada Inn and to aid in final planning for the conference. Registrations received after that date will be assigned housing at the Ramada Inn as long as rooms are available, and thereafter at nearby facilities.
- Additional Registration Forms:* Write Executive Director, AOCs, 508 South Sixth St., Champaign, Ill. 61820, or call (217) 359-2344.

**REGISTRATION FORM: AOCs CONFERENCE ON ADVANCES IN ANALYSIS OF LIPIDS AND LIPOPROTEINS**

Return completed form to: AOCs Lipid Conference, 508 S. Sixth St., Champaign, Ill. 61820

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

<input type="checkbox"/> AOCs Member (\$110)	<input type="checkbox"/> Nonmember (\$140)	<input type="checkbox"/> Students (\$15)
<input type="checkbox"/> Payment enclosed	<input type="checkbox"/> Bill me at the above address	<input type="checkbox"/> Will pay on arrival

Accommodations needed:

<input type="checkbox"/> Ramada Inn	_____ Single, @ \$ _____	_____ Double, @ \$ _____
<input type="checkbox"/> Snyder Hall	_____ Single, @ \$ _____	_____ Double, @ \$ _____

I will make my own housing arrangements.