

Full Program Completed  
for Symposium on  
"QUANTITATIVE  
METHODOLOGY IN  
LIPID RESEARCH"

First AOCS Award in  
Lipid Chemistry  
To Be Presented

George Rouser, Program Chairman, has announced the completion of the program for the AOCS Symposium on "Quantitative Methodology in Lipid Research" to be held at Pennsylvania State University, University Park, Pa., Aug. 3-7, 1964.

With effort having been made to present the broad general scope of the advances in lipid chemistry, and with ample time scheduled for discussion and exchange of ideas, the Committee is expecting a record attendance.

Access to the facilities of Applied Science Laboratories will provide opportunity to examine many different types of apparatus utilized in this field, and techniques can be discussed, since most of the Symposium contributions will emphasize new findings.

The completed program follows:

### SYMPOSIUM

#### "Quantitative Methodology in Lipid Research"

Pennsylvania State University  
University Park, Pa.

Aug. 3-7, 1964

#### MONDAY MORNING

Chairman: George Rouser

Introductory comments

##### Methods of Analysis

- 9:45 Qualitative Thin-Layer Chromatography--N. Pelick  
10:25 Quantitative Thin Layer Chromatography--  
O. S. Privett  
11:05 Discussion  
11:20 Infrared Spectroscopy of Lipids -D. Chapman  
12:10 Discussion

#### MONDAY AFTERNOON

Chairman: D. Chapman

- 2:00 Special Considerations of Polymorphism in Infra-  
red Spectroscopy of Phospholipids and their Hy-  
drolysis Products-- G. Kritechevsky  
2:20 Hydrogen Bonding, Conformational Effects in Long  
Carbon Chains and Polarized Infrared in Struc-  
ture Studies--J. Showell  
2:50 Discussion  
3:05 Gas-Liquid Chromatography of Sterols--E. Horning  
3:40 Gas-Liquid Chromatography of Glycerides and Bile  
Acids--A. Kuksis  
4:15 Discussion  
4:30 Preparative Gas-Liquid Chromatography--R. Henly  
4:50 X-Ray Fluorescent Analysis of Lipids-- C. F. Allen  
5:10 Discussion

#### TUESDAY MORNING

Chairman: J. Folch

##### Tissue Lipids

- 9:10 Human Brain Lipids: Normal and Pathological--  
G. Rouser  
10:00 Lipids of Intact Peripheral Nerve and During Wal-  
lerian Degeneration--J. Berry  
10:50 Discussion  
11:05 Brain Sterols--R. Paoletti  
11:25 Comparison of Lipid Composition of Erythrocyte  
Membranes Derived from Normal Humans and  
from Patients with Various Erythrocyte Intra-  
corpusecular Defects--J. Farquhar  
12:15 Discussion

#### TUESDAY AFTERNOON

Chairman: W. Sperry

- 2:10 Skin Lipids--N. Nicolaides  
3:00 Plant Lipids--C. F. Allen  
3:50 Discussion  
4:05 Lipids of Subcellular Particles--S. Fleischer  
4:55 Discussion

#### WEDNESDAY MORNING

Chairman: E. Klenk

- 9:10 Characterization and Identification of Lipids by their  
Critical Solution Temperatures--H. Schmid  
9:30 Proof of Structure of Fatty Acids--H. Schlenk  
10:20 Discussion  
10:35 Hydroxy Fatty Acids--N. Radin  
11:25 Discussion  
11:35 Diet and Fatty Acid Composition of Lipids--  
K. K. Carroll  
12:15 Discussion

#### WEDNESDAY AFTERNOON

Open

#### THURSDAY MORNING

##### Chemical Synthesis

- 9:10 Chemical Synthesis of Glycerolphospholipids--  
E. Baer  
10:00 Chemical Synthesis of Sphingolipids--D. Shapiro  
10:50 Discussion  
11:05 Isolation of Sphingosine and Related Bases and  
their Characterization by Gas Chromatography--  
C. C. Sweeley  
11:25 Discussion

#### THURSDAY AFTERNOON

Presentation of AOCS Award in Lipid Chemistry,  
Sponsored by Applied Science Laboratories.

#### FRIDAY MORNING

##### Biological Membranes

- 9:10 Role of Lipids in Mitochondrial Functions--  
S. Fleischer  
9:55 The Structure of Myelin--F. A. Vandenheuvel  
10:40 Discussion  

##### Special Functions

10:55 Human Platelet Lipids and their Relationship to  
Blood Coagulation--A. Marcus  
11:40 Discussion

(Continued on page 54)

## Symposium Program

(Continued from page 12)

### FRIDAY AFTERNOON

- 2:00 Chemical and Biological Properties of the Prostaglandins—S. Bergström  
2:45 Discussion  
3:00 Isolation and Characterization of Insect Attractant Lipids—M. Jacobson  
3:45 Discussion  
4:00 Closing Remarks  
Special Poetic Contribution to Lipid Research—H. Sinclair

### Registration Forms to Be Mailed

Total cost of attending the Symposium is \$125 per person, including room and meals, payable in advance.

Members will soon receive their application forms in the mail, and it is hoped that registration can be completed before arrival. Advance registration may be made with the American Oil Chemists' Society, 35 E. Wacker Dr., Chicago, Ill. 60601.

### First Annual Award in Lipid Chemistry To Be Presented at Symposium

It was with great pride that the AOCS announced the establishment of the "American Oil Chemists' Society Award in Lipid Chemistry" in the May Journal (pages 17).

Sponsored by Applied Science Laboratories, and carrying a yearly honorarium of \$2,500, the award was created to recognize and encourage outstanding achievement in this field. The decision of the Award Committee will be announced during the Symposium Program on Aug. 6. (See program schedule.)

### Travel Information

Nicholas Peliek, Local Program Chairman, assures us that

there is adequate transportation by rail, bus and air to University Park, Pa.

A travel brochure will be issued automatically to all who preregister and to any other interested parties upon request. Send inquiries to Nicholas Peliek, Applied Science Laboratories, P. O. Box 140, State College, Pa. 16801.

## Glycerine Production Up

According to the U. S. Dept. of Commerce, production of crude glycerine (including synthetic) for the month of March was 29.1 million lb, up 1.8 million lb from February, and up 6.1 million lb from March last year.

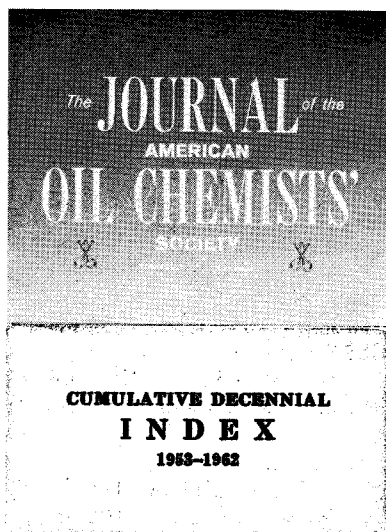
At the end of March producers' stocks of crude and refined glycerine totalled 46.9 million lb, up 3.0 million lb from the end of February, but down 3.5 million lb from March 1963.

The refined glycerine stocks figure for February was revised downwards from 27.5 million lb to 25.4 million lb. The crude stocks figure remains unchanged at 18.5 million lb. The crude and refined stocks total for the end of February now stands at 43.9 million lb. The adjustment in stocks raised the February domestic disappearance figure from 17.9 million lb to 20.0 million lb.

Glycerine 100% basis	MARCH (Million Lb) Preliminary			
	Factory production		Producers' stocks	
	Mar. 1964	% Change from Feb. 1964	End of Mar. 1964	% Change from Feb. 1964
Crude.....	29.1*	+6.6	19.3	+4.3
Refined, all grades.....	28.5	+8.4	27.6	+8.7
			46.9	+6.8

\* Includes synthetic glycerine.

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