

# DIMENSION IN RESEARCH

## OUTSTANDING TECHNICAL PROGRAM OFFERED AT NEW ORLEANS

ON MONDAY morning, April 20, at the Roosevelt Hotel, New Orleans, La., the American Oil Chemists' Society will formally open its comprehensive Technical Program, featuring fifteen Technical Sessions which include four Symposia. Sessions will be devoted to Biochemistry, Reactions and Derivatives, Composition and Analytical Methodology, Production Processes, Soaps and Detergents, Surface Active Agents, Technical Safety, and general papers on Fat and Oil Research. The four Symposia are Biodegradable Detergents, organized by M. E. Ginn and Eric Jungermann of Armour & Company; Thermal Oxidation and Polymerization, organized by M. R. Sahasrabudhe of the Canadian Department of National Health and Welfare; Tall Oil, organized by J. P. Krumbein of Heyden Newport Chemical Corporation; and Analysis of Unusual and Minor Constituents, organized by the Technical Program Committee and General Chairman.

The complete Technical Program is listed below, followed by abstracts of the papers numbered to correspond to the program, which will be presented at the 55th Annual Meeting of the Society. Programs also will be available in New Orleans. This Technical Program is the result of the generous help and splendid cooperation of numerous organizers and participants.

### MONDAY MORNING, APRIL 20, 1964

#### SESSION A—UNIVERSITY ROOM

##### SYMPOSIUM: ANALYSIS OF UNUSUAL AND MINOR CONSTITUENTS

Chairman: R. T. O'Connor, USDA, Southern Regional Research Laboratory.

1. **Effect of Some Unusual Acids on Selected Seed Oil Analyses** ..... 10:30  
*I. A. Wolff, USDA, Northern Regional Research Laboratory.*
2. **A Review of Antioxidant Analyses in Food Products** ..... 11:10  
*B. N. Stuckey\* and C. E. Osborne, Eastman Chemical Products, Inc.*
3. **Quantitative Determination of Phospholipids and Polar Lipids in the Presence of Large Amounts of Neutral Lipids** ..... 11:50  
*George Rouser, Dorothy Heller and Thomas Bernat, City of Hope Medical Center.*

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#### SESSION B—GOLD ROOM

##### SYMPOSIUM: BIODEGRADABLE DETERGENTS

Chairman: Eric Jungermann, Armour & Company.

4. **The Detergents and Water Quality Standards** .... 10:30  
*L. W. Weinberger and T. J. Powers, USPHS, Department of Health, Education, and Welfare.*
5. **Detergent Developments to Protect Water Quality** 11:00  
*C. G. Bueltman and E. S. Pattison, Soap and Detergent Association.*

\* Speakers are shown in italics.

6. **Measurement of Biodegradability** ..... 11:30  
*P. J. Weaver and F. J. Coughlin, The Procter & Gamble Company.*
7. **Fish Bioassays of Straight Chain ABS Surfactants and Intermediate Degradation Products** ..... 12:00  
*E. D. Swisher, J. T. O'Rourke and H. D. Tomlinson, Monsanto Chemical Company.*

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#### SESSION C—WILDCATTER ROOM

##### GENERAL

Chairman: Audrey T. Gros, USDA, Southern Regional Research Laboratory.

8. **Chemical Requirements of the Meat Inspection Division, Agricultural Research Service, U. S. Department of Agriculture, as They Apply to the Fat and Oil Industry** ..... 10:30  
*O. L. Bennett, USDA, Meat Inspection Division.*
9. **Automated Manometric Apparatus** ..... 10:50  
*E. D. Bitner and H. J. Dutton, USDA, Northern Regional Research Laboratory.*
10. **Quantitative Measure of the Selectivity of Hydrogenation of Triglycerides** ..... 11:10  
*L. F. Albright, Purdue University.*
11. **Effect of Re-used Nickel Catalyst on the Hydrogenation of Cottonseed Oil** ..... 11:30  
*L. F. Albright, Purdue University; M. M. Win, University of Kansas; and J. M. Woods, Purdue University.*
12. **A Comparison of Alcohols as Participating Solvents During Ozonization** ..... 11:50  
*D. J. Moore, E. H. Pryde and J. C. Cowan, USDA, Northern Regional Research Laboratory.*
13. **Polymorphic Behavior of Oleodistearins and Their Mixtures** ..... 12:10  
*N. V. Lovegren, R. O. Feuge and Werner Landmann, USDA, Southern Regional Research Laboratory.*

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#### SESSION D—REX ROOM

##### BIOCHEMISTRY

Chairman: J. G. Hamilton, Tulane University.

14. **Specific Orientation in Fat Molecules** ..... 10:30  
*R. J. VanderWal and H. J. Ast, Armour & Company; and E. G. Perkins and G. K. Chacko, University of Illinois.*
15. **The Phospholipids of Autologous Normal Human Erythrocytes and Leukocytes** ..... 10:50  
*K. Arai, R. M. Fritz, W. C. Levin and S. R. Brown, University of Texas.*
16. **Chromatographically Homogeneous Lecithin from Egg Phospholipids** ..... 11:10  
*W. S. Singleton, M. S. Gray, M. L. Brown and J. L. White, USDA, Southern Regional Research Laboratory.*
17. **Chromatographically Homogeneous Egg Lecithin as Stabilizer of Emulsions for Intravenous Nutrition** ..... 11:30  
*H. J. Zeringue, M. L. Brown and W. S. Singleton, USDA, Southern Regional Research Laboratory.*