

Oil Chemists to Hear 40 Papers At the 20th Annual Convention

A TOTAL of 40 papers, the largest number yet to be presented at a fall meeting, will be given at the 20th annual convention of the American Oil Chemists' Society to be held in Chicago at the Edgewater Beach hotel on October 30, 31, and November



H. C. BLACK

1, 1946, with George A. Crapple of Wilson and Company, Chicago, as general chairman. Leading off the program will be the soap and glycerine papers, followed by reports from the Fat Analysis and Glycerine Analysis committees. Papers on the industrial uses of fats and oils will be presented Thursday morning.

Social events for the meeting include a stag dinner and smoker on Wednesday and dinner and dance on Thursday, under the direction of J. L. Schille, entertainment chairman. Arrangements for the

women at the meeting are in charge of Mrs. C. C. Ziegler, who has planned a book review program on Wednesday evening and style show luncheon at Marshall Field and Company on Friday, preceded by a tour of the store.

Hotel chairman is C. E. Morris of Armour and Company, Chicago, who asks that all reservations for rooms be made direct with the Edgewater Beach hotel, mentioning the A.O.C.S. meeting. A number of Society committees will meet, in addition to the Governing Board, including Spectroscopy at 1:30 p. m. on October 28; Vitamin (which is also a subcommittee of the National Association of Margarine Manufacturers) at 1:30 on the 29th; Fat Analysis at 3 p. m. on the 29th; Glycerine Analysis for 12:30 luncheon on the 30th; Refining at 7:30 p. m. on the 29th; Constitution and by-laws at 1:30 on the 30th. Possibly the Smalley Foundation and Uniform Methods committees will also meet, according to J. J. Voltertsen, chairman. Advance registration hours will be from 2:30 to 7:30 p. m. on Tuesday.

Registration fee will be \$2; stag dinner, \$2.75; dinner and dance, \$3.50. Ladies' programs will be on a complimentary basis except to members of the Society.

OFFICERS of the Society, who will meet at 9 a. m. on October 29, are president—S. O. Sorensen, Archer-Daniels-Midland Company, Minneapolis; first vice president—R. T. Milner, Northern Regional Research Laboratory, Peoria; second vice president—H. E. Longenecker, University of Pittsburgh, Pittsburgh; third vice president—C. P. Long, Procter and Gamble Company, Ivorydale, O.; fourth vice president—L. B. Parsons, Lever Brothers Company, Cambridge, Mass.; secretary—H. L. Roschen, Swift and Company, Chicago; treasurer—J. P. Harris, Industrial Chemical Sales, division of West Virginia Pulp

and Paper Company, Chicago. Other members of the Governing Board are R. R. King, Interstate Cotton Oil Refining Company, Sherman, Tex.; K. S. Markley, Southern Regional Research Laboratory, New Orleans, who will not be able to attend because of a trip to the west coast; Lamar Kishlar, Ralston Purina Company, St. Louis; and H. S. Mitchell, Swift and Company, Chicago.

Exhibitors of the fall meeting now number 21, with the addition since last publication of the Sparkler Manufacturing Company, Mundelein, Ill., Schaar Road Company, Chicago, and Coleman Instruments inc.

Because of the large number of papers the program chairman, H. C. Black, of Swift and Company, Chicago, announces that sessions will begin promptly and speakers will be held strictly to their time allotment. Titles for the complete program are given in the following schedule:

Wednesday Morning

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| CALL TO ORDER | 9:00 a.m. |
| President S. O. Sorensen | |
| WELCOME AND ANNOUNCEMENTS | 9:10 a.m. |
| G. A. CRAPPLE, chairman, Chicago Committee | |
| SOAP AND GLYCERINE SESSION | |
| L. B. Parsons, presiding | |
| 1. New Techniques in Glycerine Distillation | 9:15 a.m. |
| W. A. Peterson, Colgate-Palmolive-Peet Company, Jersey City, N. J. | |
| 2. Analysis of Mixtures of Glycerol, Propylene Glycol and Trimethylene Glycol | 9:40 a.m. |
| W. D. Pohle and V. C. Mehlenbacher, Research Laboratories, Swift and Company | |
| 3. An Investigation of the Crystalline Phases in the Systems Sodium Myristate and Water | 10:05 a.m. |
| M. J. Buerger, L. B. Smith, and F. V. Ryer, Crystallographic Laboratory, M.I.T. and Research Division, Lever Brothers, Cambridge, Mass. | |
| 4. A Qualitative Method for Detecting Surface Active Agents | 10:30 a.m. |
| L. F. Hoyt, National Aniline Division, Allied Chemical and Dye Corporation, Buffalo, N. Y. | |
| 5. The Use of Fatty Acids and Their Soaps in the Manufacture of Butadiene Synthetic Rubber | 10:55 a.m. |
| W. L. Semon, B. F. Goodrich Company, Akron, Ohio | |
| 6. Rapid and Improved Methods of Soap Analysis | 11:20 a.m. |
| W. Howard Hunt and M. H. Neustadt, U. S. Dept. of Agriculture, Washington, D. C. | |
| Recess | 12:00 m. |

Wednesday Afternoon

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| GENERAL FAT AND OIL SESSION | |
| B. W. Beadle, presiding | |
| 7. Refractor Indices of the Methyl Propyl and Isopropyl Esters of the C ₆ to C ₁₈ Saturated Fatty Acids for Various Temperatures Between 20° and 45° Centigrade | 2:00 p.m. |
| George W. Hunter, Paul M. Althouse, and Howard O. Triebold, Department of Agricultural and Biological Chemistry, The Pennsylvania State College | |
| 8. A Modification of the Periodic Acid Method for Estimating Monoglycerides | 2:25 p.m. |
| E. Handschumaker and L. Linteris, Lever Brothers Company, Cambridge, Mass. | |
| 9. A Spectrochemical Method for the Determination of Traces of Various Elements in Oils, Fats, and Related Substances | 2:50 p.m. |
| Robert T. O'Connor, Dorothy C. Heinzelman, and Merrill E. Jefferson, Southern Regional Research Laboratories, New Orleans | |

- 10. The Photometric Determination of the Color of Certain Glyceride Oils 3:15 p.m.
L. K. Whyte, Colgate-Palmolive-Peet Company, Kansas City, Kansas
- 11. The Spectrophotometric Determination of the Alpha and Beta Isomers of Eleostearic Acid in Tung Oil 3:40 p.m.
Robert T. O'Connor and Dorothy Heinzelman, Southern Regional Research Laboratory, and R. S. McKinney and F. C. Pack, Tung Oil Laboratory, Gainesville, Florida, and Bogalusa, La.
- 12. The Non-Uniformity of β -Linoleic Acid 4:05 p.m.
F. A. Kummerow and Eileen L. Green, Department of Chemistry, Kansas State College, Manhattan, Kansas
- 13. High Molecular Weight Amine-Metallic Complexes 4:30 p.m.
A. W. Ralston, Armour and Company, Chicago
- Recess 5:00 p.m.

Thursday Morning

INDUSTRIAL USES OF FATS AND OILS

- E. W. Colt, presiding
- 14. Fats and Fatty Acids for Lubricating Grease Manufacture 9:00 a.m.
C. W. Georgi, Enterprise Oil Company and National Lubricating Grease Institute, Buffalo, N. Y.
- 15. Sulfonated Oils 9:25 a.m.
P. Soderdahl, Hart and Harrington, Inc., Chicago
- 16. The Use of Fats and Oils in the Leather Industry 9:50 a.m.
Edwin R. Theis, The Institute of Research, Lehigh University, Bethlehem, Pa.
- 17. Synthetic Detergent Derived from Fats and Oils 10:15 a.m.
Robert R. Ackley, Onyx Oil and Chemical Company, Jersey City, N. J.
- 18. Testing of Drying Oils: Preliminary Evaluation for Use in Protective Coatings 10:40 a.m.
Don S. Bolley and E. C. Gallagher, National Lead Company, Brooklyn, N. Y.
- 19. Polymerization of Unsaturated Fatty Acids 11:05 a.m.
Charles G. Goebel, Emery Industries, Cincinnati, Ohio

BUSINESS SESSION

- President S. O. Sorensen, presiding
- Report of the Fat Analysis Committee 11:30 a.m.
V. C. Mehlenbacher, Swift and Company, Chicago
- Report of the Glycerine Analysis Committee 11:40 a.m.
J. T. Andrews, Procter and Gamble, Ivorydale, Ohio
- Recess 12:00 m.

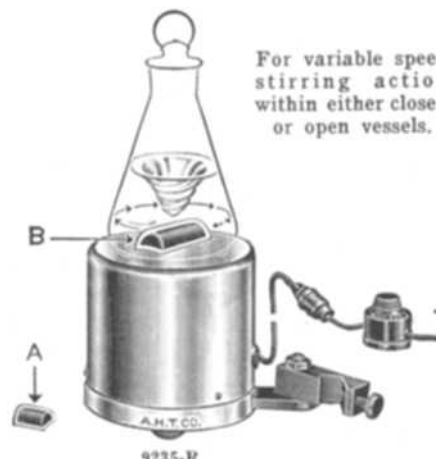
Thursday Afternoon

GENERAL FAT AND OIL SESSION (continued)

- K. F. Mattil, presiding
- 20. The Effects of Fat Upon the Rates of Digestion in the Human Stomach of Meals of High Protein Content 2:00 p.m.
John A. Killian and Mary G. Knapp, Killian Research Laboratories, New York City
- 21. Interrelationships of Dietary Fat and Tocopherols 2:25 p.m.
K. E. Mason and L. J. Filer, Jr., Department of Anatomy, University of Rochester School of Medicine, Rochester, N. Y.
- 22. The Effect of Fat Level on Growth and Physical Performance 2:50 p.m.
H. J. Deuel, Jr., Department of Biochemistry and Nutrition, University of Southern California School of Medicine, Los Angeles

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- Moisture and air should be excluded, as in titrations involving the use of Karl Fischer reagent;
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- Change in turbulence is required without disturbance of heavier phase above stirred portion;
- Small containers are used, as in microchemical procedures.

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| 23. Studies on Solvent Fractions from Fish Liver Oils | 3:15 p.m. |
| Loran A. Buxton, National Oil Products Company, Harrison, N. J. | |
| 24. The Free Fatty Acids of Human Hair Oil | 3:40 p.m. |
| A. W. Weitkamp, Standard Oil Company, Whiting, Indiana, and Adelaide Smiljanic and Stephen Rothman, Dermatology Department, School of Medicine, University of Chicago | |
| 25. Fixed Oils of Mexico. I. Oil of Chia-Salvia Hispanica | 4:05 p.m. |
| Frederico Palma and Manuel Donde, Institute de Quimica, Mexico, and W. R. Lloyd, Armour Research Foundation, Chicago | |
| 26. Developments in the Refining of Oils with Sodium Carbonate | 4:25 p.m. |
| Morris Mattikow Refining uninc., New York City | |
| Report of the Uniform Methods and Planning Committee | |
| | 4:50 p.m. |
| J. J. Vollertsen, Armour and Company, Chicago | |
| Recess | 5:00 p.m. |

Friday Morning

GENERAL FAT AND OIL SESSION (continued)
H. C. Black, presiding

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| 27. Vapor Phase Dehydrochlorination of Chlorinated Fatty Substances. I. Investigation of Removal of Hydrogen Chloride from Dichlorinated Palmitic Acid | 9:00 a.m. |
| G. R. Van Atta, D. F. Houston, and W. C. Dietrich, Western Regional Research Laboratory, Albany, Calif. | |
| 28. Vapor Phase Dehydrochlorination of Chlorinated Fatty Substances. II. Catalytic Process Applied to Various Fatty Materials | 9:25 a.m. |

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| G. R. Van Atta, D. F. Houston, and W. C. Dietrich, Western Regional Research Laboratory, Albany, Calif. | |
| 29. Preparation of Hydroxy Acids by Sulfation of Oleic and Linoleic Acids | 9:40 a.m. |
| Edward T. Roe, Benjamin B. Schaeffer, Joseph A. Dixon, and Waldo C. Ault, Eastern Regional Research Laboratory, Philadelphia, Pa. | |
| 30. Bromination of Linoleic Acid Derivatives With N-Bromosuccinimide | 10:15 a.m. |
| Howard M. Teeter, Northern Regional Research Laboratory, Peoria, Ill. | |
| 31. Chlorophyll Removal During Earch Bleaching of Soybean Oil | 10:40 a.m. |
| W. C. Pritchett and Dorothy M. Carroll, Lever Brothers Company, Cambridge, Mass. | |
| 32. Separation and Purification of the Components of Cottonseed. I. Development of a Mixed Solvent Flotation Process | 11:05 a.m. |
| H. L. Vix, J. J. Spadaro, E. F. Pollard, and E. A. Gastrock, Southern Regional Research Laboratory, New Orleans. | |
| 33. Interfacial Tension of Oil-Water Systems Containing Technical Mono- and Diglycerides | 11:30 a.m. |
| Reuben O. Feuge, Southern Regional Research Laboratory, New Orleans. | |
| Recess | 12:00 m. |

Friday Afternoon

GENERAL FAT AND OIL SESSION (continued)
A. R. Baldwin, presiding

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| 34. Studies on the Thermal Treatment of Vegetable Oils | 2:00 p.m. |
| O. S. Privett, W. D. McFarlane, and J. H. Gass, Department of Chemistry, Macdonald College (McGill University), Ste. Anne De Bellevue, Quebec, Canada | |
| 35. Changes in Two Fats With Prolonged Storage and the Palatability of Doughnuts Cooked in These Fats | 2:25 p.m. |
| Andrea Overman, Belle Lowe, and W. J. Shannon, Department of Foods and Nutrition, Iowa State College, Ames | |
| 36. The Mechanism of the Antioxygenic Synergism of Quinones and Quinols With Phosphoric Acid and Other Acids in Fat Systems | 2:50 p.m. |
| Vincent P. Calkins, Chemistry Department, State University of Iowa, Iowa City. | |
| 37. Kinetics of the Oxidation of Several Antioxidants in Oxidizing Fats | 3:15 p.m. |
| W. O. Lundberg, W. B. Dockstader, and H. O. Halvorson, The Hormel Institute, University of Minnesota, Austin, Minn. | |
| 38. Oxidation of Linoleic Acid at Various Temperatures | 3:40 p.m. |
| W. O. Lundberg and J. R. Chipault, The Hormel Institute, University of Minnesota, Austin, Minn. | |
| 39. Antioxidant Action of the Higher Fatty Alcohol Esters of Gallic Acid | 4:05 p.m. |
| Steward G. Morris, Lillian A. Kraekel, Ruth B. Bernstein, Joseph A. Myers, and Roy W. Riemenschneider, Eastern Regional Research Laboratory, Philadelphia, Pa. | |
| 40. The Flavor Problem in Soybean Oil. II. Organoleptic Evaluation | 4:30 p.m. |
| H. A. Moser, C. M. Jaeger, J. C. Cowan, and H. J. Dutton, Northern Regional Research Laboratory, Peoria, Ill. | |
| Adjournment | 5:00 p.m. |

The Aminco-Dunmore electric hygrometer for high-precision humidity measurement and control is announced by the AMERICAN INSTRUMENT COMPANY, Silver Spring, Md.

LAWRENCE W. CARTER, formerly of the National Lead company, Brooklyn, N. Y., was recently appointed director of research for Ogilvie Sisters Laboratories inc., New York and Canada.



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