

Chicago to Hear 62 Papers in Concurrent Sessions

AS THE result of intensive effort on the part of the program committee, which is headed by H. T. Spannum of Wilson and Company, the 23rd fall meeting of the American Oil Chemists' Society will have a presentation of something like 62 technical papers. This will be the largest number ever given before a meeting of the Society, exceeding by three the 59 papers at the 1948 program in New York City. As a result, three concurrent, half-day sessions will be held. Assisting Mr. Spannum in arrangements are H. C. Black and K. F. Mattil of Swift and Company, E. W. Colt of Armour and Company, and Gervais Stockmann of Wurster and Sanger inc.



A. F. Kapecki

The fall meeting will be held in Chicago on October 31, November 1 and 2 at the Edgewater Beach hotel, with C. E. Morris of Armour and Company as general chairman. Advance registration will be possible on Sunday, the 30th, according to A. F. Kapecki, chairman. Reservations for rooms should be made direct with the hotel, specifies A. A. Kiess, chairman. The smoker, a Chicago tradition, has been scheduled for October 31 and the banquet for November 1 in the Marine dining room by J. L. Schille, entertainment chairman. Exhibits are in charge of R. H. Rogers Jr., field trips in charge of Roy Horne, and ladies' entertainment in charge of Mrs. W. R. Prosch.

The Governing Board will meet on Sunday, with V. C. Mehlenbacher, president, as chairman. Several committees will also meet, and some will present reports to the membership at a business meeting of the Society.

EMPHASIZING that the program as announced in this issue is tentative, subject to some modification before the fall meeting opens, Mr. Spannum lists the following titles:

Monday, 9-12 A. M.

DETERGENCY

- The Production and Standardization of a Detergent Soil, by Jay C. Harris and Earl L. Brown, Monsanto Chemical Company
- An Approach to a More Realistic Cotton Detergency Test, by H. L. Sanders and J. M. Lambert, General Aniline and Film Corporation
- Principles of Performance Testing of Laundry Detergents, by T. H. Vaughn and H. R. Suter, Wyandotte Chemicals Corporation
- Choice and Application of a Detergency Test Method, by W. K. Griesinger and J. A. Nevison, Atlantic Refining Company
- Essential Elements in Synthetic Detergent Evaluation, by H. J. Wollner, American Conditioning House
- A Comparison of Two Methods of Testing Detergents, by G. E. Barker and C. R. Kern, Atlas Powder Company

Monday, 2-5 P. M.

SECTION A

DETERGENCY

- Displacement Series of the Metal Chelates of the Salts of Ethylene Diamine Tetra Acetic Acid, by R. Plumb and A. Martell, Clark University, and F. C. Bersworth, Bersworth Chemical Company
- Film Drainage: a Study of Flow Properties of Films of Detergent Solutions, by G. D. Miles, J. Ross, and L. Shedlovsky, Colgate-Palmolive-Peet Company
- Synthetic Detergents in the Soap Industry, by H. C. Borghetty and C. A. Bergman, General Dyestuff Corporation
- The Relationship of Ultraviolet Induced Peroxide Formation to Rancidity Development in Soaps, by P. Bradford and J. H. Johnson, Swift and Company
- Modifications of the Volumetric Evolution Method for Carbonates, by N. M. Schuck and W. Koester, Procter and Gamble Company
- Colorimetric Method for Water Soluble Silicates in Detergents, by W. J. Miller, Procter and Gamble Company
- Mixtures of Soap and Synthetic Detergents, by Lawrence H. Flett, O. M. Morgan, and L. S. Hoyt, National Aniline Division, Allied Chemical and Dye Corporation

Monday, 2-5 P. M.

SECTION B

DRYING OILS

- The Selective Esterification of Tall Oil, by L. H. Dunlap, L. V. Hassel, and Jane L. Maxwell, Armstrong Cork Company
- The Autoxidation of Methyl Eleostearate, by R. R. Allen and F. A. Kummerow, Kansas State College
- Mechanisms Involved in the Polymerization of Conjugated and Non-Conjugated Linoleic Acid, by Szu Shiang Chang and F. A. Kummerow, Kansas State College
- Utilization of the Fruit of the Chinese Tallow Tree, by D. S. Bolley and Ralph H. McCormack, National Lead Company
- Some Factors Affecting the Set to Touch-Time of Drying Oils, by Francis Scofield, National Paint, Varnish and Lacquer Association
- Petroleum Dry Oils vs. Vegetable Oils in Printing Inks, by W. C. Walker, National Printing Ink Research Institute

Tuesday, 9-12 A. M.

SECTION A

GENERAL

- Alcohols from Menhaden Oil by Sodium Reduction, by E. H. Pryde, Electro-Chemical Division, DuPont Company
- Simplified Methods for Determining Composition of Commercial Stearic and Palmitic Acids, by R. M. Peters and W. C. Clark, Emery Industries inc.
- Fatty Acid Distillation. Comparison of Two Column Types, by F. C. Williams, University of California, and J. O. Osburn, University of Iowa
- Modification of Vegetable Oils. IX. Purification of Technical Monoglycerides, by R. O. Feuge and A. T. Gros, Southern Regional Research Laboratory
- Molecularly Distilled Monoglycerides. I. Preparation and Properties, by N. H. Kuhrt, E. A. Welch, and F. J. Kovarik, Distillation Products inc.
- Molecularly Distilled Monoglycerides. II. Baking Experiments, by N. H. Kuhrt and E. A. Welch, Distillation Products inc.
- Added Chemicals in Foods with Special Reference to the Oil and Fat Industry, by W. B. White, U. S. Food and Drug Administration

Tuesday, 9-12 A. M.

SECTION B

GENERAL

- Preparation and Properties of Alkyl a-Acyloxyacetates and Propionates from Soaps and a-Halogeno-esters, by J. K. Weil, A. J. Stirton, and Anna A. Stawitzke, Eastern Regional Research Laboratory
- Fatty Acid Compositions of Lipids from Corn and Grain Sorghum, by A. R. Baldwin and M. S. Sniegowski, Corn Products Refining Company
- Modified Fat for Tin Plating Industry, by William Johnson, Armour Research Foundation
- Solidification Point Diagrams of Binary Mixtures of the n-Aliphatic Alcohols, Even Series C₁₀ to C₂₀, by H. A. Schuette and A. J. Schlaegar, University of Wisconsin

The Reaction of Stearic Acid with Glycerol, by Charles W. Hoerr, Swift and Company
 Physiological Studies on Gossypol and Cottonseed Pigment Glands, by Edward Eagle, Swift and Company
 Reaction of Tertiary Butyl Hypochlorite with Vegetable Oils and Their Derivatives. III. Chlorination of Soybean Oil in the Pilot Plant, by E. W. Bell and H. M. Teeter, Northern Regional Research Laboratory

Tuesday, 2-5 P. M.

ENGINEERING

Solvent Extraction II. The Soaking Theory of Extraction, by H. B. Coats and George Karnofsky, Blaw-Knox Division
 Solvent Extraction III. The Effect of Particle Size on Extraction Rate, by H. B. Coats and M. R. Wingard, Blaw-Knox Division
 Decolorization of Tallow by Liquid-Liquid Extraction with Propane, by E. B. Moore, Lever Brothers Company
 Progress Report on Hygirtol Hydrogen Plants, by R. M. Reed, Girdler Corporation
 Improvements in Hydrogenation Plant Design and Operation, by F. B. White, Foster Wheeler Corporation, and S. Faulkner, E. F. Drew and Company
 Commercial Production of Nitrogen Fat Chemicals, by Ralph H. Potts and H. P. Young, Armour and Company
 Refining of Extracted Cottonseed Oil by Solvent Extraction, by W. D. Harris, Texas A. & M.

Wednesday, 9-12 A. M.

SECTION A

FAT STABILITY

The Flavor Problem of Soybean Oil. VI. Flavor and Oxidative Stability of Furfural Fractionated Oil, by A. W. Schwab, H. A. Moser, P. A. Cooney, and C. D. Evans, Northern Regional Research Laboratory
 The Flavor Problem of Soybean Oil. VII. Effect of Trace Metals, by C. D. Evans, A. W. Schwab, H. A. Moser, and J. C. Cowan, Northern Regional Research Laboratory

Metal Deactivation in Lard, by S. G. Morris, J. S. Myers Jr., Mary L. Kip, and R. W. Riemenschneider, Eastern Regional Research Laboratory
 Potato Chip Frying with Antioxidants, by J. E. Magoffin, Tennessee Eastman Corporation
 Sesame Oil. IV. The Determination of Free and Bound Sesamol in Sesame Oil, by P. Budowski, R. T. O'Connor, and E. T. Fields, Southern Regional Research Laboratory.
 Sesame Oil. V. The Stability of Sesame Oil, by P. Budowski, F. G. T. Menezes, and F. G. Dollear, Southern Regional Research Laboratory
 Methods for Inhibiting the Development of Free Fatty Acid in Brown Rice, by E. B. Kester, Western Regional Research Laboratory

Wednesday, 9-12 A. M.

SECTION B

ANALYTICAL

Factors Involved in the Spectrophotometric Analysis of Fats, by G. C. Potter and Fred A. Kummerow, Kansas State College
 Comparison of Infrared Spectrophotometric and Lead Salt-Alcohol Methods for the Determination of Trans-Isooleic Acids, by D. Swern, H. B. Knight, Eastern Regional Research Laboratory, and O. D. Shreve and M. R. Heether, E. I. duPont de Nemours Company
 Applications of Infrared Spectroscopy to Fat and Oil Chemistry, by E. F. Binkerd and H. J. Harwood, Armour and Company
 Countercurrent Distribution Studies on Fat Soluble Plant Pigments, by C. R. Lancaster and H. J. Dutton, Northern Regional Research Laboratory
 Investigation of Methods for Determining the Refining Efficiency of Crude Oils, by L. L. Linteris and E. Handschumaker, Lever Brothers Company
 Adsorption Analysis of Lipids. IV. Fractionation of Cholesterol and Ergosterol, by F. K. Kawahara and H. J. Dutton, Northern Regional Research Laboratory
 An Improved Rapid Method for Determining Iodine Numbers, by G. H. Benham and L. Klee, Illinois Institute of Technology
 The Determination of the True Iodine Numbers of Oils Containing Conjugated Double Bond Systems, by L. Klee and G. H. Benham, Illinois Institute of Technology

Wednesday, 2-5 P. M.

GENERAL

Some Factors Affecting the Stability of Skin Tissue Fat, by W. Wingard and F. A. Kummerow, Kansas State College
 Composition of Corn Phosphatides, by C. R. Scholfield and H. J. Dutton, Northern Regional Research Laboratory
 The Inositol Lipids of Soybean, by W. P. Celmer and H. E. Carter, University of Illinois
 Comparative Studies of the Thermal and Photochemical Oxidation of Unsaturated Fatty Acid Esters, by M. J. Hendrickson and W. O. Lundberg, Hormel Institute, University of Minnesota
 Extraction and Evaluation of Oil from Dried Brewers' Grains, by J. F. Brasch, P. Gibbs, and J. A. Siefker, Anheuser-Busch inc.
 Solvent Refining of Fatty Oils. II. By M. Mattikow, Refining Uninc.
 Two Useful Accessories to the Beckman Spectrophotometer Model DU, by T. H. McGuine and W. E. Moss, Wilson and Company inc.



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Call to 23rd Fall Meeting

Members of the American Oil Chemists' Society are hereby notified of a special business session to be held during the 23rd fall meeting, October 31, November 1 and 2, 1949, at the Edgewater Beach hotel, Chicago, Ill. Among the items of business will be committee reports and recommendations.

H. L. ROSCHEN, *Secretary.*

To make sure that your Methods are up-to-date, order your 1947 and 1948 Revisions (\$1 each).

Committee Appointments. III.

A third instalment of committee appointments, following those run in the July and August issues of the Journal, is hereby announced by V. C. Mehlenbacher, president, along with two changes, as follows:

Advertising: N. A. Ruston, chairman, Emery Industries inc., Cincinnati, O.

H. C. Bennett, Los Angeles Soap Company, Los Angeles
 Carl G. Brenner, Buckeye Cotton Oil Company, Atlanta, Ga.
 E. H. Chapin, Foster Wheeler Corporation, New York City
 E. R. Cousins, Sterling Packing and Gasket Company, New Orleans, La.

W. A. Jordan, General Mills inc., Minneapolis, Minn.
 Harold S. Julsrud, Procter and Johnson, Chicago, Ill.
 W. Doss Lumpkin, Filtrol Corporation, Okmulgee, Okla.

H. H. Mueller, Lever Brothers Company, Cambridge, Mass.
 Henry Odeen, Henry Odeen Company, Memphis, Tenn.
 R. H. Potts, Armour and Company, Chicago, Ill.

P. E. Ronzone, C. F. Simonin's Sons inc., Philadelphia, Pa.
 Procter Thomson, Procter and Gamble Company, Cincinnati, O.

John B. Williams, Colgate-Palmolive-Peet Company, Kansas City, Kan.

P. A. Williams, South Texas Cotton Oil Company, Houston, Tex.

Education: J. P. Harris, chairman, Industrial Chemical Sales Division, West Virginia Pulp and Paper Company, Chicago, Ill.

A. R. Baldwin, Corn Products Refining Company, Argo, Ill.
 W. H. Goss, Pillsbury Mills inc., Minneapolis, Minn.

H. R. Kraybill, American Meat Institute Foundation, Chicago, Ill.

K. F. Mattil, Swift and Company, Chicago, Ill.

Seed and Meal Analysis: T. H. Hopper, chairman, Southern Regional Research Laboratory, New Orleans, La.

E. C. Ainslie, Buckeye Cotton Oil Company, Atlanta, Ga.
 L. R. Brown, A. E. Staley Manufacturing Company, Decatur, Ill.

C. H. Cox, Barrow-Agee Laboratories inc., Memphis, Tenn.
 F. R. Earle, Northern Regional Research Laboratory, Peoria, Ill.

E. B. Freyer, Spencer Kellogg and Sons inc., Buffalo, N. Y.
 J. C. Konen, Archer-Daniels-Midland Company, Minneapolis, Minn.

T. C. Law, Law and Company, Atlanta, Ga.
 R. S. McKinney, U. S. Tung Oil Laboratory, Bogalusa, La.

V. C. Mehlenbacher, Swift and Company, Chicago, Ill.
 T. C. Potts, Ralston Purina Company, St. Louis, Mo.

T. L. Rettger, Buckeye Cotton Oil Company, Memphis, Tenn.
 T. C. Smith, Central Soya Company inc., Decatur, Ind.

Screen Testing for Soyflour: L. R. Brown, chairman,
 R. E. Anderson, M. W. Dippold, F. R. Earle, E. B. Freyer

Sampling Soyflour: M. W. Dippold, chairman, Leonard Gerhart, T. C. Smith, L. R. Brown

Analysis of Tung Fruit and Meal: R. S. McKinney, chairman, G. W. Agee, Charles Campbell, G. C. Henry, G. F. Bailey, and P. L. Phillips

Analysis of Copra and Copra Meal: J. C. Konen, chairman, W. J. Goodrum, C. A. Lathrap, D. F. Maskey, W. F. Beedle

Soap Analysis (joint with A.S.T.M.): E. W. Blank, chairman, Colgate-Palmolive-Peet Company, Jersey City, N. J.

W. D. Barry, Good Housekeeping Bureau, New York City
 C. H. Bayley, National Research Council of Canada, Ottawa
 H. C. Bennett, Los Angeles Soap Company, Los Angeles
 Rubin Bernstein, Industrial Test Laboratory, Philadelphia, Pa.

J. N. Borglin, Hercules Powder Company, Wilmington, Del.
 H. W. Dippel, Stillwell and Gladding, New York City
 M. L. Fierke, Sears, Roebuck and Company, Chicago, Ill.

H. Fleisher, Bureau of Ships, U. S. Navy, Washington, D. C.
 C. P. Long, Procter and Gamble Company, Ivorydale, O.
 L. B. Parsons, Lever Brothers Company, Cambridge, Mass.

Edward Randa, Armour Soap Works, Chicago, Ill.
 B. N. Rockwood, Swift and Company, Chicago, Ill.

J. E. Simpson, Orr-Sembower inc., Reading, Pa.
 F. W. Smither, 5402 Connecticut avenue N. W., Washington, D. C.

F. D. Snell, Foster D. Snell inc., New York City

Vitamin Analysis: N. D. Embree, Distillation Products inc., Rochester, N. Y.

H. N. Brocklesby, Terminal Island, Calif.
 H. J. Deuel Jr., University of Southern California, Los Angeles, Calif.

E. Handschumaker, Lever Brothers Company, Cambridge, Mass.

R. W. Harrison, Lyle Branchflower Company, Seattle, Wash.
 B. L. Oser, Food Research Laboratories inc., Long Island City, N. Y.

J. A. Reynolds, Nopco Chemical Company, Richmond, Calif.
 E. E. Rice, Swift and Company, Chicago, Ill.

Alan C. Richardson, California Packing Corporation, Emeryville, Calif.

T. D. Sanford, F. E. Booth Company, San Francisco, Calif.
 H. C. Schaefer, Ralston Purina Company, St. Louis, Mo.

Special Committee on Location of 1951 Spring Meeting: T. H. Hopper, chairman, Southern Regional Research Laboratory, New Orleans, La.

J. R. Mays Jr., Barrow-Agee Laboratories inc., Memphis, Tenn.

R. C. Pope, Pope Testing Laboratories, Dallas, Tex.
 Porter A. Williams, South Texas Cotton Oil Company, Houston, Tex.

CORRECTIONS

The name of J. B. Brown, Ohio State University, Columbus, O., should be substituted for that of L. R. Brown in the list of Literature Review Committee appointments, shown on page 23, August issue.

H. L. Craig of Procter and Gamble, Ivorydale, O., has been appointed to succeed the late E. W. Sewell on the Gossypol Committee.

New Members

Richard H. Blyth, president, Southland Cotton Oil Company, Paris, Tex.

Jesse Hassell Bryson, president, Dothan Oil Mill Company, Dothan, Ala.

James Claude Burt, senior chemist, Barrow-Agee Laboratories, Jackson, Miss.

Andres L. Estrada, analytical chemist, Pattison's Southwest Laboratories, Harlingen, Tex.

John Hall Stotts, assistant foreman of control laboratory, Procter and Gamble Company, Ivorydale, O.

Harold Jay Ingham, chemist, Pope Testing Laboratories, Dallas, Tex.

John Addy Kinnaech, chemist, Barrow-Agee Laboratories inc., Memphis, Tenn.

Paul Edward Kissel, chemist, Barrow-Agee Laboratories, Dallas, Tex.

Casper Alexander Kuhlke, manager, Battle Laboratory, Montgomery, Ala.

Edward John Mallen, chemist, Pacific Soap Company, San Diego, Calif.

Mississippi Cottonseed Products Company, H. E. Covington, representative, Jackson, Miss.

Theodore Marshall Northington, chemist, G. Bernd Company, Macon, Ga.

Osecola Products Company, Osecola, Ark.
 Pembroke T. Pinckney, manager, Lake County Oil Mill, Tip-tonville, Tenn.

Salvator Pinckney, president, Industria Olearia, Florida, Italy
 George F. Rugar, assistant manager, technical service division, Diamond Alkali Company, Painesville, O.

A. O. Seehafer, director of research, Seedburo Equipment Company, Chicago, Ill.

Trenton Cotton Oil Company, R. H. Patterson, representative, Trenton, Tenn.

THE WESTERN CHEMICAL COMPANY, St. Joseph, Mo., established in 1920, has just moved into a new building at 417 South Fourth street, according to E. F. Garvey, manager. It manufactures a complete line of floor maintenance materials and sanitation products. Chief chemist is E. L. Nash, who has been a member of the Society since 1923.



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New Books

QUANTITATIVE ORGANIC ANALYSIS VIA FUNCTIONAL GROUPS by Sidney Siggia (John Wiley and Sons inc., 152 pages, 1949, \$3). The book contains a table of contents referring to the chapters which deal with 20 functional groups. Another chapter deals with water in organic compounds and still others with quantitative separations, instrumental analysis, and miscellaneous procedures. A well-planned index completes the book.

Standard or improved methods of analysis on the semi-micro or micro scale are collected for the first time. Although some of the procedures may be found essentially unchanged in such treatises as "Micro-methods of Quantitative Organic Analysis" by Niederl and Niederl or "Semimicro Quantitative Organic Analysis" by Clark, the scope of Siggia's book is much larger. In some cases more than one procedure is presented, and generally simple methods based upon acid-base, oxidation-reduction, or gasometric determinations are selected. The reviewer is impressed with the wise selection of methods from the newer literature without sacrificing the better part of the old.

This book will be indispensable to the organic research man. Although references are few in number, they are adequate as leads to the abundant literature. It will serve admirably as the laboratory manual of a course designed to teach both quantitative analysis and some organic chemistry.

ROBERT H. BAKER,
Northwestern University.



THE FISH LIVER OIL INDUSTRY, by Charles Butler (Fishery Leaflet 233, Fish and Wildlife Service, 104 pp., 1948). This booklet treats the subject thoroughly, covering historical background, classes of livers based on oil content and vitamin A potency, processing methods, factors affecting quality of oils, factors to consider in a contemplated business venture, specifications and prices of vitamin oils, vitamin D from fish oils and its measurement, future supplies of vitamin A, and foreign developments.

The 39 illustrations show varieties of fish and fish livers, processing equipment, grading, and work and equipment on the fishing boats. Tables give domestic yearly production of fish liver oils, 1934-45; importance of principal species of fish for liver oils in 1943; vitamin A content of different fish oils; vitamin D content of fish oils; and importation of fish livers and liver oils into the U. S., 1934-45.

The book will interest fishermen, manufacturers, and their scientific staffs. It presents information on fishing and scientific and technical material. The oil chemist will appreciate its bringing together in one publication information on sources of fish oil, processing, and the economic status of the industry.

RUTH E. JARAND,
Swift and Company.

Two recent college graduates have been awarded graduate fellowships at Illinois Institute of Technology, offered jointly by the Chicago Paint, Varnish, and Lacquer Association and the Chicago Paint and Varnish Production Club: William G. Morrison, Lawrenceburg, Tenn., and George T. Mattson, Minneapolis, Minn.