

Need Drying Oil Papers for Chicago Fall Meeting

PROGRAM arrangements for the 1949 fall meeting of the American Oil Chemists' Society in Chicago are proceeding smoothly, according to the chairman, H. T. Spannuth of Wilson and Company. The sessions on processing, fatty acids, soaps and detergents are nearly completed, and commitments for



H. T. Spannuth

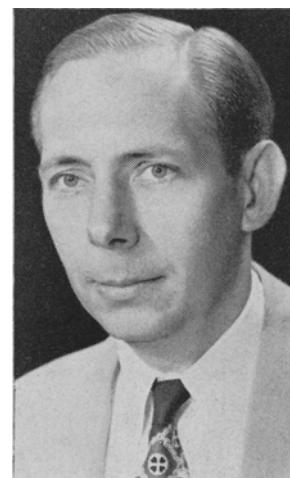
the remainder of the program are in sight save for the papers on drying oils. As to these Mr. Spannuth's assistant, H. C. Black of Swift and Company, Chicago, is issuing a plea for help. Papers may be submitted by anyone qualified, whether a member of the Society or not.

Papers already promised deal with the refining efficiency of crude oils, propane extraction of tallow, comparison of the efficiency of column types for distillation of fatty acids, possibility of obtaining oils from brewer's grain, Craig counter-current apparatus, sterols,

and reaction of linolenic acid to flavor stability of



A. A. Kiess



R. H. Rogers, Jr.

soybean oils. As a continuation of the tertiary of butyl hypochloride of soybean oil, large scale reactions will be discussed. Another subject will be the fatty acid composition of lipids in corn and grain sorghum. In the engineering group will be papers on extraction, commercial production of nitriles and amines, hydrogen production, new types of solvent extraction of cottonseed oil, and oxidation.

The fall meeting will be held at the Edgewater Beach hotel, Chicago, on October 31, November 1 and 2, with advance registration on the 30th. General chairman is C. E. Morris of Armour and Company. Hotel reservations should be made direct with the hotel, requests A. A. Kiess, chairman. Exhibits chairman is R. H. Rogers, Jr., of Swift and Company, Chicago. The smoker is scheduled for October 31 and the banquet for November 1 by J. L. Schille, entertainment chairman. Mrs. W. R. Prosch will plan entertainment for the ladies.

Because of the interest shown in the review by Bernard L. Oser on "Recent Developments in Food Analysis," which appeared in the February, 1949, issue of Analytical Chemistry, FOOD RESEARCH LABORATORIES inc., of Long Island City, N. Y., announce that reprints are now available on request.

Bamag Ltd., London, has published Bulletin 025 on "Continuous Solvent Extraction. The Bamag-Manning Multi Stage Solvent Circulation Extractor." Another current pamphlet is called "The ABC of Solvent Extraction" and serves as a primer on sources of oil and the usefulness of the solvent type of extraction.

REYNOLDS METALS COMPANY, 2500 S. Third street, Louisville, Ky., discusses the problem of preventing water marks on aluminum in issue number 10 of its report entitled Technical Advisor. The problem is approached from a number of aspects, i.e., industrial atmospheres, alloy content, stacking methods, porous coating, chemicals, etc., with an explanation of the effect each has on aluminum.

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W. E. Sewell Dies

W. E. Sewell, head of the department of animal nutrition and products service of the Buckeye Cotton Oil Company, a subsidiary of Procter and Gamble Company, died on July 21, 1949, in Ivorydale, O. Prior to coming to Buckeye on January 1, 1946, he had been a member of the faculty of the Alabama Polytechnic Institute, Auburn, since February 1926. He was a graduate of the same institution, receiving his B.S. degree in 1924. In 1925 he was given the M.S. degree from the University of Missouri. Continuing his graduate work at Iowa State College, he completed his doctorate in June 1943. During the war he was on leave from API and served for 18 months as a representative of the Farm Security Administration.

Active in organization work, Dr. Sewell had been a member of the Gossypol Committee of the American Oil Chemists' Society and of the Nutrition Council of the American Feed Manufacturers Association.

He is survived by his wife, Catherine McSwean Sewell, a daughter Catherine aged 16, and a son William aged 11.

B. L. Caldwell Dies

Brice L. Caldwell, 59, died on June 29, 1949, in Jackson, Miss., where he served as chemist and manager of the Barrow-Agee Laboratories inc. He is survived by his wife, the former Mattie Bass, son John Caldwell, and daughter, Mrs. B. H. Nicholson, of Jackson.

National Bureau of Standards

Recent work at the National Bureau of Standards, Washington, D. C., by W. N. Harrison, J. C. Richmond, and J. R. Crandall of the Enamelled Metals Laboratory has revealed interesting effects of acid pretreatment of porcelain enamels on the acid resistance and abrasion resistance of the treated specimens.

A new method in ultra-microtomy, developed by S. B. Newman, Emil Borysko, and Max Swerdlow of the National Bureau of Standards, now provides an inexpensive, practical means of preparing very thin sections of biological tissue for study with either the light or electron microscope.

Electron microscope and X-ray diffraction studies of soap crystals, carried on at the National Bureau of Standards, Washington, D. C., have revealed characteristic features for each type of soap molecule that can be used for its identification and analysis. The electron microscope also indicates the individual soap forms that are present in a mixture, such as a commercial soap prepared from mixed fats or oils; this is not always possible with the X-ray spectrometer because of the nature of diffraction patterns obtained.

Among recent titles are the following:

Heat of Isomerization of the Two Butadienes, RPI968, 10c.

Properties of Aqueous Solutions of Perchloric Acid, RPI971, 15c.

Characterization of Some Commercial Soaps by X-ray Diffraction, RPI972, 10c.

Some Physical Chemical Properties of Aqueous Solutions of Soaps and Soapless Detergents, RPI974, 10c.

Characterization of Alkali Soaps by Electron Microscopy, RPI973, 15c.



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Name More Committees

Following the first announcement of committee personnel in the July issue and the appointments of the Governing Board in the June issue, President V. C. Mehlenbacher, Swift and Company, Chicago announces more lists, as follows:

Bleaching Methods: R. A. Marmor, chairman, Pillsbury Mills, Minneapolis

George F. Clark Jr., Bennett-Clark Company, inc., Nacogdoches, Tex.

E. B. Freyer, Spencer Kellogg and Sons inc., Buffalo, N. Y.

R. E. Knipple, Barrow-Agee Laboratories inc., Memphis, Tenn.

Duncan Macmillan, Northern Regional Research Laboratory, Peoria, Ill.

A. D. Rich, Filtrol Corporation, Los Angeles

T. C. Smith, Central Soya Company inc., Decatur, Ind.

Cellulose Yield: L. N. Rogers, chairman, Buckeye Cotton Oil Company, Memphis

E. C. Ainslie, Buckeye Cotton Oil Company, Atlanta, Ga.

C. H. Cox, Barrow-Agee Laboratories inc., Memphis

W. S. Hude, Southern Chemical Cotton Company, Chattanooga, Tenn.

E. H. Tenent, Woodson-Tenent Laboratories, Memphis

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

Fat Analysis: V. C. Mehlenbacher, chairman, Swift and Company, Chicago

B. F. Daubert, University of Pittsburgh

E. W. Blank, Colgate-Palmolive-Peet Company, Jersey City, N. J.

E. L. Boley, Armour Soap Works, Chicago

D. S. Bolley, National Lead Company, Brooklyn, N. Y.

L. R. Brown, A. E. Staley Manufacturing Company, Decatur, Ill.

C. A. Coffey, Sherwin-Williams Company, Chicago

G. A. Crapple, Wilson and Company, Chicago

George Crump, Standard Margarine Company, Indianapolis

F. R. Earle, Northern Regional Research Laboratory, Peoria

H. T. Iveson, Glidden Company, Chicago

F. G. Dollear, Southern Regional Research Laboratory, New Orleans

Jacob Fitelson, Food and Drug Administration, New York City

J. C. Konec, Archer-Daniels-Midland Company, Minneapolis

M. L. Laing, Armour and Company, Chicago

C. P. Long, Procter and Gamble Company, Ivorydale, O.

W. O. Lundberg, Hormel Institute, Austin, Minn.

J. E. Maroney, American Meat Institute Foundation, Chicago

L. B. Parsons, Lever Brothers Company, Cambridge, Mass.

H. A. Schuette, University of Wisconsin, Madison

Francis Scofield, National Paint, Varnish, Lacquer Association, Washington, D. C.

F. C. Woelke, G. W. Gooch Laboratories, Los Angeles

Determination of Unsaponifiable Matter: C. P. Long, chairman, J. Fitelson, M. L. Laing, L. B. Parsons, E. W. Blank, V. C. Mehlenbacher, J. E. Maroney

Determination of Thiocyanogen Value: F. R. Earle, chairman, F. G. Dollear, C. P. Long, L. B. Parsons, E. L. Boley, V. C. Mehlenbacher

Analysis of Drying Oils: J. C. Konec, chairman, D. S. Bolley, C. A. Coffey, Francis Scofield, E. L. Boley

Separation of Liquid and Solid Fatty Acids: F. G. Dollear, chairman, F. R. Earle, J. E. Maroney, G. A. Crapple, V. C. Mehlenbacher

Analysis of Lecithin: H. T. Iveson, chairman, L. R. Brown, E. W. Blank, George Crump, J. C. Konec, V. C. Mehlenbacher

Determination of Peroxides in Fats and Oils: B. F. Daubert, chairman, W. O. Lundberg, H. A. Schuette, M. L. Laing, V. C. Mehlenbacher

Study of F. A. C. Color Standards: E. W. Blank, chairman, L. B. Parsons, V. C. Mehlenbacher, F. C. Woelke, G. A. Crapple, J. E. Maroney, H. A. Schuette

Determination of the Closed Cup Flash Point: D. S. Bolley, chairman, J. C. Konec, C. P. Long, H. T. Iveson, V. C. Mehlenbacher

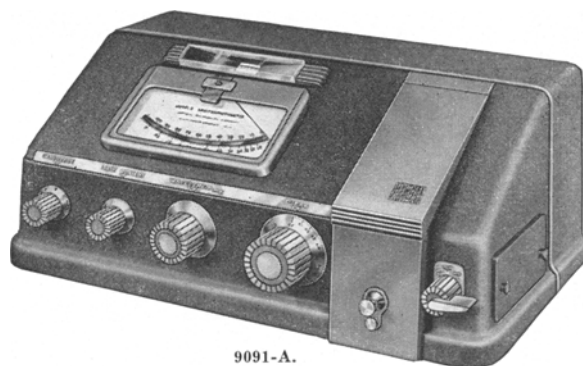
Determination of Free Fatty Acids: W. O. Lundberg, chairman, George Crump, H. A. Schuette, Jacob Fitelson, Francis Scofield

Continuous Flow Method of Sampling: L. R. Brown,

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W. C. Clark, Emery Industries inc., St. Bernard, O.

L. B. Parsons, Lever Brothers Company, Cambridge, Mass.

J. B. Segur, Miner Laboratories, Chicago

Arnold Troy, E. F. Drew and Company, Boston, Mass.

L. K. Whyte, Colgate-Palmolive-Peet Company, Kansas City, Kans.

J. T. R. Andrews, Procter and Gamble Company, Cincinnati

Gossypol: E. H. Tenent, chairman, Woodson-Tenent Laboratories, Memphis

W. T. Coleman, West Texas Cotton Oil Company, Abilene, Tex.

K. A. Kuiken, A & M College, College Station, Tex.

V. C. Mehlenbacher, Swift and Company, Chicago

T. L. Rettger, Buckeye Cotton Oil Company, Memphis

Literature Review: M. M. Piskur, chairman, Swift and Company, Chicago

E. W. Blank, Colgate-Palmolive-Peet Company, Jersey City, N. J.

L. R. Brown, A. E. Staley Manufacturing Company, Decatur, Ill.

W. H. Goss, Pillsbury Mills inc., Minneapolis

Nominating and Election: R. J. Houle, chairman, Lever Brothers Company, Hammond, Ind.

A. R. Baldwin, Corn Products Refining Company, Argo, Ill.

N. F. Kruse, Central Soya Company inc., Decatur, Ind.

C. P. Long, Procter and Gamble Company, Ivorydale, O.

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Oil Seeds: R. T. Doughtie Jr., G. Conner Henry, E. R. Hahn

Crude Vegetable Oils: A. S. Richardson, chairman, F. R. Earle, F. G. Dollear, A. A. Kiess

Tallow and Grease: W. C. Ault, chairman, D. J. Petraitis, S. A. Siegel, J. L. Trauth

Spectroscopy: R. C. Stillman, chairman, Procter and Gamble, Cincinnati

B. W. Beadle, G. W. Gooch Laboratories, Los Angeles

B. A. Brice, Eastern Regional Research Laboratory, Philadelphia

A. L. Lingard, Swift and Company, Chicago

R. T. Milner, Northern Regional Research Laboratory, Peoria, Ill.

R. T. O'Connor, Southern Regional Research Laboratory, New Orleans

Uniform Methods: J. T. R. Andrews, chairman, Procter and Gamble, Cincinnati

M. M. Durkee, A. E. Staley Manufacturing Company, Decatur, Ill.

J. J. Ganuchau, Southern Cotton Oil Company, Gretna, La.

T. H. Hopper, Southern Regional Research Laboratory, New Orleans

R. R. King, Mrs. Tucker's Foods inc., Sherman, Tex.

T. C. Law, Law and Company, Atlanta, Ga.

L. B. Parsons, Lever Brothers Company, Cambridge, Mass.

Affiliations with other societies will be continued, as follows:

American Association for the Advancement of Science, Washington

Representative: K. S. Markley, Southern Regional Research Laboratory, New Orleans

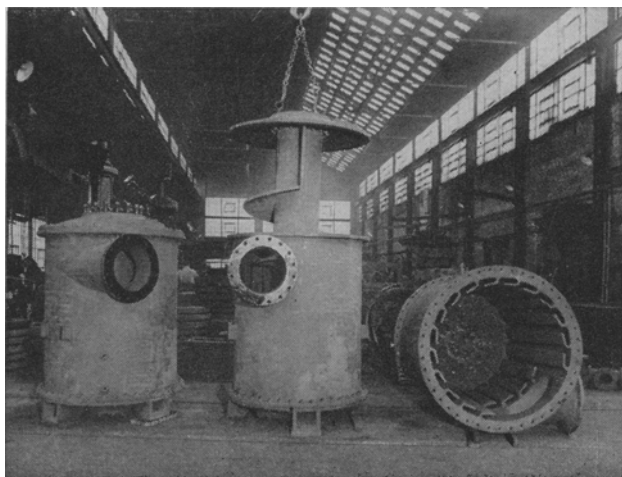
Inter-Society Color Council, Washington

Representatives: G. W. Agee, Barrow-Agee Laboratories inc., Memphis; E. B. Freyer, Spencer Kellogg and Sons inc., Buffalo, N. Y.; Procter Thomson, Procter and Gamble, Cincinnati

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National Paint, Varnish, and Lacquer Association (Scientific Section), Washington

Representatives on the Technical Cooperative Committee: S. O. Sorensen, Archer-Daniels-Midland Company, Minneapolis; D. S. Bolley, National Lead Company, Brooklyn, N. Y.

These and other committee appointments, also the list of Referee chemists, will be published in the forthcoming membership directory.

New Members

James Russell Baxley, chemist, Sessions Company inc., Enterprise, Ala.
 Carl Bouhorst, instructor of chemistry, University of Portland, Portland, Ore.
 Carl Frederick Brown, research chemist, The Best Foods inc., Bayonne, N. J.
 Pierre Budowski, chemist, Ministry of Agriculture, Department of Quimica, El Valle, Caracas, Venezuela
 William Daniel Cannan, production chemist, Distillation Products inc., Rochester, N. Y.
 Laurence I. Clack, laboratory head, Procter and Gamble Company of Canada Ltd., Hamilton, Ontario, Canada
 Lowell O. Cummings, chemist, Pittsburgh Plate Glass Company, Milwaukee, Wis.
 Gail L. Erickson, owner and chief chemist, Southeastern Analytical Laboratories, Albany, Ga.

C. E. Glasser, president, General Reduction Company, Chicago, Ill.
 Jerrold O. Hinshaw, chief chemist, Purex Corporation Ltd., South Gate, Calif.
 Kenneth K. Keneaster, chief chemist, Converted Rice inc., Houston, Tex.
 Charles D. Lowry Jr., chemist, Universal Oil Products Company, Chicago, Ill.
 James H. E. Stephenson, eastern sales manager, Givaudan-Delawanna inc., New York City
 Harold Wittecoff, research chemist, General Mills inc., Minneapolis, Minn.
 Keith Foulkes, chemist, The Patent Borax Company Ltd., Tip-ton, Staffordshire, England
 Martin L. Hartwig, chemist, Battle Laboratory, Montgomery, Ala.
 Le Roy W. Horne, chief, technical section, Kraft Foods Company, Glenview, Ill.
 Donald Quentin Kern, director, process engineering division, Patterson Foundry and Machine Company, New York City.
 Biffle Owen, chemist, Woodson-Tenent Laboratories, Memphis, Tenn.
 Arthur N. Prater, director of research, Gentry inc., Los Angeles, Calif.
 Ruth Eleanor Rumery, graduate student, University of Rochester, Rochester, N. Y.
 J. K. Sikes, chemist-in-charge, Western Cottonoil Company, Abilene, Tex.
 William Henry Simmons, assistant chief chemist, Woodson-Tenent Laboratories, Memphis, Tenn.
 R. Gordon Sinclair, professor of biochemistry, Queen's University, Kingston, Ontario, Canada.
 Edgar Harris Tenent Jr., chemist, Woodson-Tenent Laboratories, Memphis, Tenn.
 Franz Wittka, consulting chemist, Lungo Lago, Italy.

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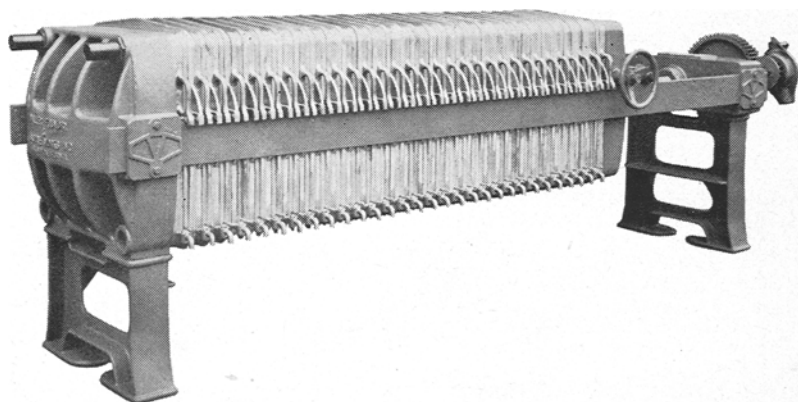
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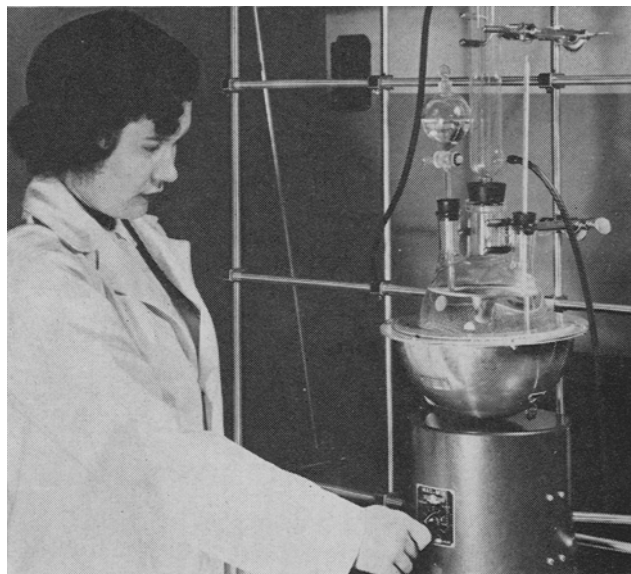
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People and Products

Chairman of the new board of BAMAG LTD., London, England, is the Rt. Hon. Lord Brocket. Other new members are Eoin C. Mekie, Alfred W. Newbery, and M. Steinschlaeger. Continuing members are B. Bregman and T. E. J. Hillman.

❖

"Science is and must remain a strong unifying force among peoples," said FOSTER DEE SNELL, chemical consultant of New York City, in accepting the gold medal of the Society of Chemical Industry at its meeting in Manchester, England, on July 13, 1949. This was the second time in its 53-year history that this medal had been awarded to an American. His address dealt with detergents and detergency.

❖

Manufacturers of synthetic glycerine and of synthetic detergents may now become members of the ASSOCIATION OF AMERICAN SOAP AND GLYCERINE PRODUCERS inc., according to a recent action of the board of directors in New York City.

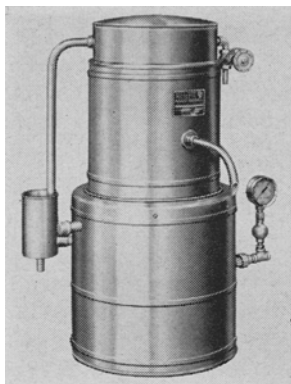
❖

A new roller-type hydraulic machine known as a Stacomizer has been installed at Armour Research Foundation of ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, for experimentation in the processing of agricultural and forest products. It permits the continuous application of high pressures without destructive heat.

Edward F. Degering, professor of chemistry and director of industrial research projects at Purdue University, has been named assistant chairman of chemistry and chemical engineering research at Armour. Theodore J. Neubert of Rochester, N. Y., has been named assistant professor of chemistry.

❖

Earl D. Stewart, director of research since November 1943, has been made chief chemist by SCHWARZ LABORATORIES inc., New York City. He was formerly Pacific Coast editor of Food Industries.



A new Streamliner model laboratory water still is announced by Precision Scientific Company, 3737 W. Cortland street, Chicago 47.

New Books

RECENT ADVANCES IN ANALYTICAL CHEMISTRY (Frontiers in Chemistry, Vol. VII), R. E. Burk and Oliver Grummitt (editors), (Interscience Publishers inc., New York, 1949, p. XII plus 209, Index. Price \$4.50). Frontiers in Chemistry is the published record of the annual lecture series at Western Reserve University, the purpose of which, according to the editors, is to enable chemists to more ably keep abreast with the increasing flow of new chemical information. The current volume of the series is devoted to recent advances in the field of analytical chemistry. The book is divided into seven sections, each concerned with a new development in analytical chemistry and each prepared by a recognized authority in the field described. Voltammetry (Polarography) and Amperometric Titrations are described by I. M. Kolthoff, Inorganic Analysis with Organic Reagents by John H. Yoe, Colorimetric and Gravimetric Reagents by John H. Yoe, Application of Infrared Spectroscopy in Analysis by Otto Beeck, Electron Microscopy and Microanalysis by James Hillier, Fractionation, Analysis and Purification of Hydrocarbons by Frederick D. Rossini, and Application of the Mass Spectrometer by J. A. Hipple.

In each section the author has carefully reviewed the subject in such a manner that one unfamiliar with the field can easily follow the discussion. Highly theoretical considerations are few and considerable emphasis is placed on practical applications of the various techniques which are described. Oil chemists will be especially interested in the sections on Infrared Spectroscopy by Dr. Beeck and the chapter written by Dr. Rossini on the purification of hydrocarbons, which is equally applicable to natural oil products such as fatty acids.

The book will be most useful to progressive chemists who are interested in the application of new and better methods and instruments to their work.

E. F. BINKERD.
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CORRECTION

The sentence which appears in a review of Biochemical Preparations, Vol. I, page 27, July 1949 issue, as follows: "Certainly not by their general appearance" should be corrected to read: "Certainly not by their general importance," according to the reviewer: G. H. Benham.

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Other Societies

Meetings scheduled in 1950 by the AMERICAN SOCIETY OF MECHANICAL ENGINEERS are as follows: spring, Hotel Statler, Washington, week of April 10; semi-annual, Hotel Statler, St. Louis, June 19-23; fall, open; annual Hotel Statler, New York City, Nov. 26 to December 1.



James G. Morrow of the Steel Company of Canada Ltd., Hamilton, Ont., has been elected president for 1949-50 by the AMERICAN SOCIETY FOR TESTING MATERIALS. At the June meeting in Atlantic City more than 185 papers and reports were presented, and registration totalled 1,857, not including ladies.

The ASTM will hold its first Pacific area national meeting in San Francisco, October 10-14, 1949, with headquarters at the Fairmont hotel. There will be 15 sessions with 70 technical papers.



Allyl starch, a new resin created from a product of agriculture, is described in the summer issue of Progress Thru Research, published by GENERAL MILLS inc., Minneapolis.

To Meet at Barcelona

The 22nd International Congress of the Chemical Industry, organized by the Society of Chemical Industry with the cooperation of the Spanish Chemical Industries, will be held in Barcelona on October 23-30, 1949. Presiding will be Antonio Llopis, president of the Official Chamber of the Industry. There will be 25 sections. Further information may be obtained from the Societe de Chimie Industrielle, 28 Rue Saint Dominique, Paris VII.

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New Quarters for Law

The establishment of the Law-Barrow-Agee Laboratories inc. at 136-140 Forrest avenue, Atlanta, Ga., and the removal of Law and Company to the same address are announced by Thomas C. Law, founder of the latter laboratories in 1903 and president of the American Oil Chemists' Society in 1916.

The first firm is an engineering department, owned by Mr. Law and two other past presidents of the Society, both of Memphis: E. R. Barrow, 1912, and G. W. Agee, 1914. It will specialize in materials testing engineering, foundation investigations, and soil testing. A staff of 45 engineers, chemists, and technicians is employed by the two companies.

The R. S. Manufacturing division of the REFINERY SUPPLY COMPANY, Tulsa, Okla., has been incorporated as the Refinery Manufacturing Company, as of July 1, 1949. W. E. Schlueter is president of the new company as well as the Refinery Supply Company.



Purified vegetable sterols in tonnage quantities are now available for the first time from DISTILLATION PRODUCTS inc., Rochester, N. Y. Refined from soybean oil, they are expected to stimulate research into commercial processes which would utilize the reported ability of sterols to stabilize oil-in-water and water-in-oil emulsions and to serve as raw material for the synthesis of surface-active agents, pharmaceuticals, and other chemical products.



A simplified vertical tubular heater, designed to hold initial and maintenance costs to a minimum, is the subject of a new brochure by FOSTER WHEELER CORPORATION, New York City. This simplified design features the use of bare tubes and the absence of any metal parts exposed to furnace gases. The heaters are suitable for every process duty, and designs are available for heat absorption capacities as low as 1,000,000 btu's per hr.



EARL BOOTH WORKING, formerly professor of chemistry at Kansas State College, has joined the research staff of Truesdail Laboratories, Los Angeles, consulting chemists, bacteriologists, and engineers. During the war he was research associate with J. W. McBain at Stanford University.

Correction

In an item appearing in the June 1949 issue of the Journal the name of Oscar A. Stocker was misspelled. He had just been named general manager of the Rufert Chemical Company, Seymour, Conn.

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