

Tentative Program Announced for Short Course at Lehigh

A TENTATIVE program is announced for the sixth short course to be sponsored by the American Oil Chemists' Society, with Daniel Swern of the Eastern Regional Research Laboratory, Philadelphia, Pa., as chairman. The subject will be "Inedible Fats and Fatty Acids," and the more important topics will be covered. Lehigh University, Bethlehem, Pa., will house the course, which is scheduled for some time in August 1954. Lehigh University, Bethlehem, Pa., will house the course, which is scheduled for August 15-20, with classes starting on the 16th.

Like its predecessors, the short course will run from Monday morning through Friday noon. Sessions will be held in the morning and evening, with the afternoons left open for relaxation and discussion. Arrangements are being made for Sunday evening arrival. Students will be housed and fed on the campus. Advance registration should be made through the Society headquarters at 35 E. Wacker drive, Chicago 1, Ill. The registration fee and charge for room and board will be announced later.

The character of the course is described by Dr. Swern thus: "After a general introduction covering economic and technological trends, the recovery and handling of inedible fats and fatty acids will be treated. This will be followed by discussions of chemical reactions of inedible glycerides, technology and applications of inedible glycerides, production of fatty acids and derivatives, and applications of fatty acids and derivatives. Each subject will be presented by a recognized authority in the field, and time will be allotted for group discussion."

The tentative outline is given below:

MONDAY

Morning

General

- Technological Trends
- Economic Trends

Evening

Raw Materials for, and Recovery of Inedible Fats and Fatty Acids

- Vegetable Oils (soybean, linseed, castor, coconut, tung, etc.)
- Animal Fats (tallow, grease, lard oil, etc.)
- Marine Oils, Production and General Chemistry

TUESDAY

Morning

- Tall Oil
- Handling Fats and Fatty Acids
- Composition of Materials and Analytical Methods

Evening

Chemical Reactions of Inedible Glycerides

- Autoxidation
- Polymerization, Copolymerization, and Isomerization

WEDNESDAY

Morning

Technology and Applications of Inedible Glycerides

- Drying and Semi-Drying Oils
- Non-Drying Oils
- Animal Feeds

Evening

Production of Fatty Acids

- Hydrolysis Methods
- Separation (distillation, solvent crystallization, pressing)

THURSDAY

Morning

Chemical Reactions of Fatty Acids and Derivatives

- Esterification and Interesterification
- Nitrogen Derivatives
- Fatty Alcohols

Evening

Dibasic Acids

Applications of Fatty Acids and Derivatives

- Plasticizers
- Surface-Active Agents
- Textile Assistants

FRIDAY

Morning

- Metallic Soaps
- Lubricating Greases
- Alkyd, Polyester, and Other Resins
- Rubber

Chairman of the Education Committee, in charge of short courses for the Society, is G. A. Crapple of Wilson and Company, Chicago. The 1954 subcommittee comprises Dr. Swern, chairman, W. C. Ault, E. Scott Pattison, P. E. Ronzone, N. A. Ruston, J. T. Scanlan, Francis Seofield, L. L. Sutker, and A. C. Zettlemoyer. Inquiries about the 1954 course may be sent to Dr. Swern or to the Society office in Chicago.

Opens Laboratory in India

THE Central Laboratories for Scientific and Industrial Research were opened in a ceremony by Shri Jawaharlal Nehru, Prime Minister of India, at Hyderabad-Dn., India, January 2, 1954. The purpose of the Central Laboratories is to further the work of the national laboratories on a regional level. Its function will be to encourage the development of the Hyderabad state by organized scientific and industrial research through the exploration of the possibilities of industrial utilization of the indigenous raw materials of that state. It will also devise methods for the expansion of existing industries and formulate plans for the starting of new industries by carrying out experimental work on a pilot plant scale in the laboratories.

The Central Laboratories will also advise the various government departments and industries in matters of scientific interest and will provide a center for the supply of scientific and technical personnel, trained in the latest methods of industrial processes and applied scientific research.

Howard Bauman has joined the research and development department of PILLSBURY MILLS INC., Minneapolis, Minn., as head of its microbiological section.



Jose Romero of the Estacion Experimental Agricola, Tingo Maria, Peru, is shown regulating the meal desolventizer in the filtration-extraction pilot plant of the Southern Regional Research Laboratory, New Orleans, La. Romero is in the U. S. on a Point IV fellowship under the Institute of Inter-American Affairs. He recently came to the Southern Laboratory to study the engineering aspects of oilseed processing.

Meetings

The 19th annual Chemurgic Conference will be held at the Hotel Peabody, Memphis, Tenn., April 5-7, 1954. The topic of the conference will be "The Challenge of Surpluses." Highlighting the sessions will be a series of symposia aimed at various aspects of the surplus problem.

The University of Michigan will sponsor a symposium on instrumentation, May 24-27, 1954, at Ann Arbor, Mich. It will be of special interest to manufacturers and industrial hygienists, physicists, chemists, safety engineers, meteorologists, noise investigators, engineers, and others in related fields.

The third annual Cottonseed Processing Clinic, sponsored jointly by the Valley Oilseed Processors Association and the U.S.D.A. Southern Regional Research Laboratory, will be held at the laboratory in New Orleans, La., February 15-16, 1954.

The American Management Association's 23rd National Packaging Exposition will be held April 5-8, 1954, at Convention hall, Atlantic City, N. J.

The American Society for Testing Materials will hold the St. Louis district meeting in that city on February 12, 1954. The Southwest district meeting will be held February 15 at Dallas, Tex.; the Southern California district joint meeting with the American Institute of Chemical Engineers at Los Angeles, February 23; the Northern California district meeting at San Francisco, February 25; and the New England district meeting at Storrs, Conn., April 22.

The A.S.T.M. annual meeting will be held in the Sherman and Morrison hotels, Chicago, Ill., June 13-18, 1954.

The Electrochemical Society Inc. will meet at the LaSalle hotel, Chicago, Ill., May 2-6, 1954. Sessions on electric insulation, electronics, electro-organic chemistry, industrial electrolytic, and theoretical electrochemistry will be held.

The first International Instrument Congress and Exposition will be held in Philadelphia, Pa., September 13-25, 1954. Laboratory apparatus and equipment as well as measuring and control instruments will be available for inspection and discussion.

Detergents Top 1953 Soap Sales

Synthetic detergents for the first time topped soaps in annual sales in 1953, Foster D. Snell, president of Foster D. Snell Inc., New York City, reports in a recent issue of Chemical and Engineering News. He states that with sales booming 24% above the previous record, set in 1952, the synthetics, or "syndets," now account for 53% of the United States market for all detergents, including soap.

Sales brought the total market to 3,578,000,000 pounds in 1953, 5% more than the previous year, despite an 11% decrease in soap sales, according to Snell. The production of liquid synthetic detergents, only 2% of the synthetic production in 1952, is reported to have increased to 4 or 5% in 1953.

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New Literature

V. D. Anderson Company, Dept. H, 1935 W. 96th street, Cleveland 2, O., has published a four-page catalog, Bulletin 1154, which tells operators about steam-using units and how to bring them up to maximum capacity eight times faster. It discusses the new Super-Silvertop Heat-Kwik steam traps manufactured by the company and states that the use of these traps makes possible more production from steam units, lower steam consumption, longer trap life, and a reduction in the trap capacity factor.

The Arizona Chemical Company, 30 Rockefeller Plaza, New York City 20, has available a booklet entitled "Acintol Tall Oil Products," giving background information on its tall oil products.

A system which accurately measures viscosity under industrial conditions is covered in a new technical report, TI 27-A-16b, published by the Foxboro Company, Foxboro, Mass. This publication is helpful in understanding and applying the rotational viscometer in the control of product quality.

The M. W. Kellogg Company, Pullman Inc. subsidiary, Jersey City, N. J., has issued a quick 16-page reference "Buyers' Guide" which gives information on the sources of "Kel-F" polymer materials, finished products, plus application services offered by more than 75 U. S. and Canadian companies. It is available from Technical Service, Chemical Manufacturing Division, P. O. Box 469, of this company.

U. S. Industrial Chemicals Company, 120 Broadway, New York City 5, has released a 30-page booklet "Sodium Dispersions." It describes their properties, preparation, and industrial application and is offered as the first step in acquainting those interested with all the information which has been assembled thus far on the subject.

A 64-page reference book, "Research and Control Instruments, X-Ray, and Analytical Equipment," is available from the Research and Control Instruments Division, North American Philips Company Inc., 750 South Fulton avenue, Mount Vernon, N. Y. In addition to X-ray diffraction, spectrometry, and spectrography, the volume covers tubes, rectifiers, and cameras. There is also data on the Geiger-counter X-ray diffractometer, the 90-degree diffractometer, and the high and low angle gonimometer.

New uses of trimethylolethane (TME), a solid trihydric alcohol, as a raw material in the manufacture of alkyds, high-grade drying oils, plasticizers, surface active materials, and fine chemicals are described in a new technical bulletin just published by Heyden Chemical Corporation, 342 Madison avenue, New York City 17.

A 14-page brochure on ARITEMP resins is available from Aries Laboratories Inc., 270 Park avenue, New York City 17. Information on the technique of "potting" electronic components is also given.

Technical Bulletin 904A "ADM Sperm Oil Products" has been issued by Archer-Daniels-Midland Company, 2191 West 110th street, Cleveland, O. The bulletin covers characteristics, chemical and physical properties, and composition of 12 oils and waxes as well as solubility data.

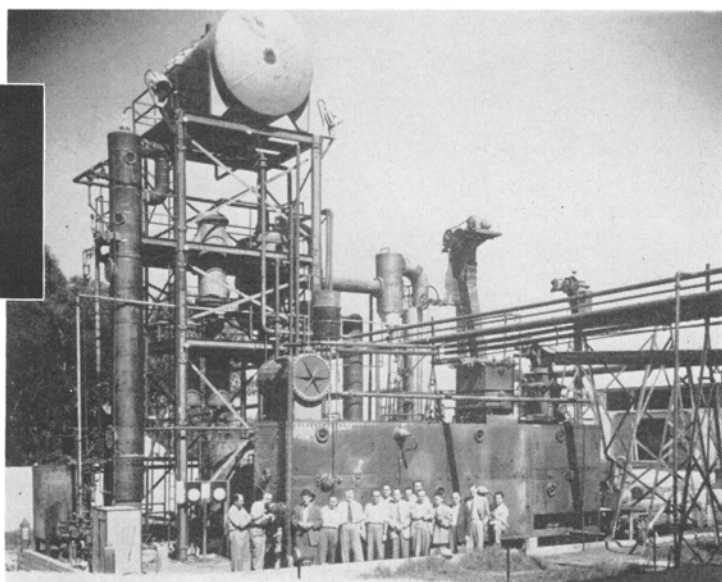
Niagara Filters Division, American Machine and Metals Inc., East Moline, Ill., has released a 20-page catalog on the complete line of Niagara filters which makes it quicker and easier to determine the application of and specifications for pressure-leaf type filters. It is fully illustrated with photographs, diagrams, and charts on the design and operation of pressure-leaf filters and includes complete information on the type "H" horizontal filter recently introduced by the company. Photos illustrate actual field installations of the equipment.

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