

AOCS 42nd Annual Fall Meeting

Mini—Exhibits

ALCONOX, INC., New York, N. Y. Will display specialized detergents for critical cleaning in laboratories and processing plants. Alconox (powder) for manual cleaning of all hard surfaces is world famous. Alcojet (powder) for mechanical washers, give spotless glassware. Liqui-Nox (liquid) for manual cleaning is phosphate free. Alcotabs (tablets) convert syphon-type pipette rinsers to washer-rinsers.

ANALABS, INC., Hamden, Conn. Solid Support, Stationary Phases and accessories for gas and thin-layer chromatography. New FLO-GRAMMER as well as ANAKROM solid supports, July open "Research Notes," ANALABS "Guide to Stationary Phases" and ANALABS 1968 catalog will be on display.

APPLIED SCIENCE LABORATORIES, INC., State College, Pa. ADSORBOSIL TLC adsorbents: TLC apparatus, including TLC Sample Streaker; TLC Kits; the GAS-CHROM line of GC supports; silicone rubber septums; high purity lipids; high purity radiochemicals; standard lipid mixtures; reagents for gas chromatography; accessories for gas chromatography.

ARTISAN INDUSTRIES, INC., Waltham, Mass. Designers and builders of process equipment used for solvent, product and/or residue separation. Equipment for processing heat sensitive materials, viscous materials or separations requiring high vacuum operation. At the mini-exhibit Artisan has a supply of bulletins for distribution and contact may be made with James L. Baird or Leo J. Monty to discuss processing problems.

ASHLAND CHEMICAL CO., St. Louis, Mo. BRONOCO HEXANE synonymous with quality noted short boiling range 4 F or less, low benzene content, less than one-quarter percent. High purity normal hexane, low sulphur, low odor, excellent supply and technical service.

CHEMAPEC, INC., Hoboken, N. J. The *FUNDA Filter*, patent Dr. Hans Mueller, is fully automated, horizontal pressure leaf filter, which discharges the cake by rapid rotary motion of the filter discs. These are mounted on a central shaft through which a clear filtrate is discharged. *Vibromixer*, the non-rotary gentle, but yet effective, mixer for handling filter aids and fatty acid crystal. *Ingold pressure compensated pH electrodes* for in-line or vessel wall mounted probes. Automatic controls or manual selector switches are available.

CLEVELAND MIXER CO., Bedford Heights, Ohio. Mechanical seal, Turbine Tridium, photographs and literature.

CROLL-REYNOLDS COMPANY, INC., Westfield, N.J. The Croll-Reynolds SCRUB-VACTOR is a modification and improvement on our old Convactor design which had been developed to eliminate edible oil distillate carryover in the condensing water through the use of a captive recirculating the water system. At the present time we have a number of these units in operation and are performing quite satisfactorily giving excellent results. We will have the necessary personnel available at our exhibit to answer any questions regarding our SCRUB-VACTOR.

DE LAVAL SEPARATOR CO., Poughkeepsie, N.Y. Complete literature on our new continuous bleaching system, built around the FUNDA FILTER will be available. Also, a new line of heat transfer equipment by American Heat Reclaiming Company will be introduced as well as several technical papers covering soap stock acidulation and miscella refining.

DREW CHEMICAL CORP., Boonton, N. J. Drew Chemical is engaged in manufacturing nickel catalysts for hydrogenation of fats and oils. Have been serving the industry all over the world for nearly half a century. Technical

bulletins are available in several languages. Information can be obtained from M. Eijadi at the exhibits or writing directly to the company.

DURKEE INDUSTRIAL FOODS GROUP, SCM CORPORATION, Chicago, Ill. Featuring DURKEX High Stability Oils for frying snack foods and roasting nutmeats. Easy to handle transparent liquids, they give superior stability in the fryer and on the shelf. Brush or spray them on all kinds of snacks to add a sparkling finish and improve shelf life of foods.

EMI-ENGINEERING MANAGEMENT, INC., Des Plaines, Ill. Will exhibit photographs, flow-sheets, displays, samples and bulletins describing their products and services—such as engineering, contracting, consulting, solvent extraction, oil processing, deodorizing, hydrogenation, fatty acid, protein products.

FEDERAL PACIFIC ELECTRIC CO., Newark, N. J. ROSANO SURFACE TENSIONMETER is useful for rapid accurate measurements of the surface tension of liquids, the static interfacial tension at the interface of two liquids, and surface pressure. May also be used as a 500 mg balance.

THE FRENCH OIL MILL MACHINERY CO., Piqua, Ohio. Exhibit will consist of brochures and pamphlets of FRENCH solvent extraction systems, mechanical screw presses, continuous azeotropic extraction, flaking rolls, cracking rolls and cookers.

FRIETSCHE BROTHERS, INC., New York, N.Y. Since 1871, Fritzsche Brothers, Inc. has been creating essential oil, aromatic chemicals and fragrances to meet the growing demands of America's soap and detergent manufacturers. Combining their creative talent with the most up-to-date research facilities, Fritzsche's perfumers can custom-design a fragrance to help you gain the competitive edge in your market.

GALLARD-SCHLESINGER CHEMICAL MFG. CORP., Carle Place, L. I., N.Y. Test Paper for pH determination and for the detection of moisture, nitrates, nitrites and numerous other radicals and ions. Hydrophobic filter papers for the separation of oils and other organic materials from water. Synthetic filter "papers" for the filtration of liquids not compatible with normal filter papers.

GAS ATMOSPHERES, INC., Cleveland, Ohio manufactures steam/gas reformer type hydrogen generating systems designed for economical on-site production of high purity hydrogen gas. The hydrogen gas produced with this type of system is well suited to the hydrogenation of all types of oils. Simultaneous production of nitrogen for purging is available.

GIRDLER CATALYSTS, Louisville, Ky. Girdler Catalysts, which is a unit of Chemetron's Chemicals division presents a Mini group representative of its catalysts specially designed for hydrogen manufacture (it is G-32E, G-3, G-56, G-66B, G-65 and G-65S) and for hydrogenation (G-15, G-53, G49-B).

GLASS ENGINEERING COMPANY, INC., Houston, Tex. Liquid Chromatography Equipment featuring low and high pressure borosilicate glass columns in 12 diameters from 1 mm ID to 100 mm ID with PVC or TEFLON end plates for aqueous or organic solvent systems; Gas Tight and Liquid Microliter Syringes, proposed AOCS Liquid-Liquid Extraction Apparatus, and Liquid Reagent Dispenser, 0 to 10 ml with Teflon-Glass construction.

GREFCO, INC., Los Angeles, Calif. Table-top exhibit features a back-lighted color transparency of an artist's

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• *Mini-Exhibits*

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rendering of a diatom many times enlarged. Panels on each side and in front display Dicalite filteraid literature: General Filtration Manual B-15, Solka-Floc Bulletin SF-10 and Perlite Bulletin P-10 which cover the many various uses of Dicalite filteraids in industry.

CHR. HANSEN'S LABORATORY, INC., Milwaukee, Wis. Display of Hansen's annatto and turmeric colors and also flavors. General information booklet on annatto as well as specifications on individual colors and starter distillate (butter flavor) available.

HOFFMANN-LA ROCHE INC., Nutley, N. J. Will be displaying the advertisements on the use of carotenoids for coloring oils to be used in the food industry. Beta-carotene and apo-carotenal are widely used in the margarine, lard and dairy products and have a large potential in salad dressings. Technical bulletins are available discussing the use of carotenoids in the dairy and salad dressing industries.

INDUSTRIAL FILTER & PUMP MFG. Co., INC., Cicero, Ill. and its overseas affiliates have served the vegetable oil industry for more than 40 years. The company maintains a staff of about 35 engineers at its headquarters and specializes in the supply of pressure filtration systems of all types, powdered and granular adsorbent contacting systems, water supply and conditioning systems, control systems and pollution abatement systems.

INSTRUMENTATION LABORATORY, INC., Watertown, Mass. The Model 153 Atomic Absorption Spectrophotometer is a new generation instrument. For the first time safety, versatility and high precision are housed together in a single integral unit. Inherent accuracy, with a remarkable

ease of operation characterize the instrument. Send for Data Sheet 153 for complete information.

KALAMAZOO SPICE EXTRACTION COMPANY, Cincinnati, Ohio. This exhibit will be devoted entirely to VEGETONE—the all vegetable color for margarine, shortening and many other food items. Brochures will be available in the exhibit explaining VEGETONE and all of its current uses by the Food Industry.

LONDON COMPANY, Cleveland, Ohio. London Company presenting Electro Chemical Instruments manufactured by our principal Radiometer A/S Copenhagen, Denmark. The two instruments being featured will be the Portable pH Meter Model PHM-29, which includes interchangeable power supply for battery or line operation and a conductivity meter.

LOWRY-COCROFT ABSTRACTS, Evanston, Ill. Food Processing Abstracts summarizes all current American, European and other literature in 15 areas of food processing research. Published on edge-notched cards for easy retrieval of information, the abstracts are expertly prepared, promptly delivered, and are an unsurpassed means of keeping up with developments in your own and related field.

N. HUNT MOORE & ASSOCIATES, Memphis, Tenn. Will display literature on the Bauermeister Flaking Mills, now widely used for the flaking of soybeans, cottonseed and sunflower seed; also samples of soyflour, cottonseed flour, ground with the Bauermeister Turbo Mills.

SAGE INSTRUMENTS, INC., White Plains, N. Y. Will exhibit and demonstrate several new instruments from its line of infusion pumps, including the Model 220 Unlimited Volume Syringe Pump which pumps from a reservoir. Also shown will be an Automatic Injector and the Series 255 Variable Speed Syringe Pump. Complete catalog data available at exhibit.

ARMSTRONG SCRAPED SHELL CRYSTALLIZERS

Fluids: Fatty Acids, Vegetable Oil Winterization, Fish Oils, Dewaxing Lube Oils, Tall Oil, Many Organic Intermediates

We Offer: Direct Refrigerant Experience
Process Know-How
Pilot Rental Units
Variety of Equipment Designs

APPLICATIONS

Secondary Recovery after Vacuum Crystallizers
Low Temperature Crystallizing
Crystallizing Organics or Viscous Fluids
Cooling Fluids up to 80,000 cp.
Material with High Boiling Point Rise

Contact:

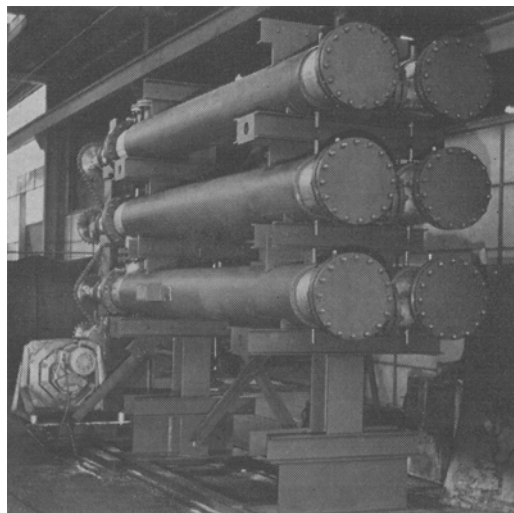
in USA

Richard M. Armstrong Co.
Box 566-J
West Chester, Pa. 19380

in Europe

Chemtec N. V.
Postbus 52-J
Soestdijk, Holland

Chemtec N. V.
Box 3A
Beith, Scotland



Shop View, 6 shells 12" i.d., 10' long, SS 304 material of construction. Used to crystallize fatty acids in new North American installation.



OSHTA

Our engineers have the experience of over 90 process installations for the vegetable oil industry throughout the world. OSHTA, Incorporated offers a complete service and can properly assume the responsibility for your next project. Our experience is at your disposal. We welcome your inquiries and would be pleased to offer our recommendations to help develop your next project.

L. A. SALOMON & BRO., INC., Port Washington, N. Y. Market NORIT activated carbons in powdered, granular, and pelletized form, as well as TONSIL activated clays. Literature describing these adsorbents and their uses is displayed. Extensive experience and facilities are available to assist you in solving your purification problems. Attending this meeting are August Rossetto and Henry Salomon.

SHARPLES DIVISION, PENNSALT CHEMICALS CORP., Philadelphia, Pa. The new Sharples DD-5000 Centrifuge is the largest liquid-liquid separator of its type. It is designed for continuous operation, and features an exceptionally large bowl diameter to provide maximum separating ability. Adaptable to a wide variety of application, the DD-5000 is especially useful for vegetable oil refining where extremely high capacities and high purities are essential. Bulletin 1283.

HAYES G. SHIMP, INC., Albertson, L. I., N.Y. Exhibiting latest model of Lovibond FAC Color Test Kit. Literature available describing Special AOCS model tintometer for Method Cc 13-b as well as the FAC and Gardner Color Test Kits.

STANDARD CHEMICAL PRODUCTS, INC., Hoboken, N.J. Manufacturer of anionics, nonionics and amphoteries, including lauryl and lauryl ether sulfates, other alkyl sulfates and sulfonates, sulfo-succinates, mono- and diesters, alkanolamides, polyglycol ethers, PE-emulsions, fatty acid esters, antistats etc., for the cosmetic, detergent, textile and other industries; adhesives for home and industrial use.

SUPELCO, INC., Bellefonte, Pa. Supelco, Inc. will be featuring the Vandenhuevel/Valentini Thin-Layer Chromatography Sample Applicator and the Supelco microozonizer in addition to a complete line of high purity lipids, chemicals and accessories for gas chromatography.

SUTTON, STEELE & STEELE, INC., Dallas, Tex. Will distribute general and specific literature concerning equipment manufactured by Sutton, Steele and Steele and its subsidiaries.

TECHNICON CORPORATION, Ardsley, N. Y. Technicon's AutoAnalyzer system for the simultaneous determination of cholesterol and triglycerides from a single extract, features on-stream saponification and produces 80 results per hour. The flexibility of continuous-flow AutoAnalyzer systems permits rapid changeover for performing free fatty acid and phospholipid determinations. Systems are also available for automated nutritive studies of plant tissue and soil.

UNITED STATES FILTER CORP., Whittier, Calif. Literature and installation photographs of self-cleaning pressure leaf filters designed specifically for the filtration applications of the fats and oils industry. Of particular interest will be the exclusive United States Filter Corporation developments that provide for fully automatic, cleaned enclosed operation with the option of either wet or dry cake discharge.

WEST VIRGINIA PULP AND PAPER COMPANY, CHEMICAL DIVISION, New York, N.Y. Westvaco's new Nuchar Granular Active Carbon "Supersponge—so porous it's 50% air, so hard it bounces without crumbling," is described in literature at Westvaco's exhibit. Product data bulletins showing specifications for powdered and granular grades, and a brochure describing Nuchar powdered carbon for purification/reclamation applications, will also be offered.

FOSTER WHEELER CORPORATION, Livingston, N. J. Provides engineering, procurement and construction services in the U.S.A. and overseas, aided by subsidiaries in Australia, Brazil, France, Great Britain, Italy, Japan and Spain. This widespread availability of American know-how and standards, coupled with extensive experience in oils, fatty acids, fatty derivatives and many other chemical and petrochemicals, allows Foster Wheeler to build plants worldwide, accepting local currency or dollars in reimbursement.