

Smalley Check Sample Program Under Way

Order forms are currently being mailed to all 1961-1962 collaborators. Other chemists are urged to participate in this program and may obtain forms from AOCS headquarters. All copies of orders should be returned to the American Oil Chemists' Society, 35 E. Wasker Drive, Chicago 1, Illinois, along with the proper remittance.

Deadline October 1

Only one set of any series will be sent to a single laboratory. Orders should be placed promptly since none will be accepted after October 1st. The following samples are available at the prices shown.

Series	Number of Samples	Price Per Set
Cottonseed.....	10	\$18
Soybean.....	10	11
Peanut.....	7	9
Oil seed meal.....	15	17 (plus \$1.50 for 1st class mail)
Vegetable Oil.....	6	21
Drying Oil.....	6	7
Tallow and grease.....	5	13
Edible fat.....	5	7
Glycerine.....	5	7

Instructions to Be Distributed in August

Detailed instructions for collaborators will be mailed in August by the following subcommittee chairmen:

Drying Oil: L. V. Anderson, Minnesota Linseed Oil Co., Minneapolis 21, Minnesota

Glycerine: T. J. Baldwin, Procter & Gamble Co., I.T.C., Cincinnati 17, Ohio

Oil Seeds and Meal: R. T. Doughtie, Jr., U.S.D.A., Box 3469, Memphis 17, Tenn.

Edible Fat: K. H. Fink, Armour and Co., Food Research Div., Chicago 9, Illinois

Tallow and Grease: J. R. Harrison, Rath Packing Co., Waterloo, Iowa

Vegetable Oil: W. H. Koester, Procter & Gamble Co., W.H.T.C., Cincinnati 24, Ohio

William J. Miller, Chairman
Smalley Committee

New Products . . .

(Continued from page 34)

Size Analyzer; a highly flexible system for particle analysis, capable of measuring size distribution of practically every powdered material in the ceramic, abrasive, refractory, paint, flour, chemical, and pharmaceutical industries.

SWIFT & COMPANY'S CHEMICALS FOR INDUSTRY DEPARTMENT, Chicago, Ill., now offers Swift's Akwilox 133. This new brominated oil was developed for use in balancing the specific gravity of citrus flavoring oils and producing cloud in citrus-based soft drink systems.

CENTRAL SCIENTIFIC COMPANY, a division of Cenco Instruments Corp., Chicago, Ill., has offered the "Hyvac 28," a high-speed rotary type sliding vane mechanical vacuum pump.

DREW CHEMICAL CORPORATION, New York, N. Y., announced the development of a laboratory demineralizer with a unique underdrain system. The new unit delivers up to 60 gals. per hour of water for analytic testing and other laboratory and plant uses.

THE RAYDATA CORPORATION, Columbus, Ohio, announced the RayData Model 12-1 Vibration Limit Alarm. Designated Series 12 Limit Alarms, the Model 12-1 offers a translation of amplitude signals to easily seen and read panel lamp indications, as well as meter display of process displacement values.

INSTRUMENTS FOR RESEARCH AND INDUSTRY (I²R), Cheltenham, Pa., has introduced the Therm-O-Watch Laboratory Controller. This controller can be used in the laboratory with thermometers, manometers, sight glasses, etc.

Detailed literature on CLARICOL is available

CLARICOL

Now! SALAD OILS, COOKING OILS, MAYONNAISE, SALAD DRESSINGS REMAIN CRYSTAL-FREE LONGER UNDER COLDER CONDITIONS!

CLARICOL

New Improved Crystal Inhibitor

TO USE AS A WINTERIZING AID IN PRODUCING EDIBLE AND NON-EDIBLE OILS -- FOR IMPROVING THE COLD TEST IN EDIBLE AND NON-EDIBLE OIL PRODUCTS

BEACON Chemical Industries, Inc.

MANUFACTURERS OF CHEMICALS

Dramatic Test results show **CLARICOL** has amazing crystal inhibiting powers. As little as 0.03 to 0.04% **CLARICOL** added to cottonseed and soybean salad oil quadruples the AOCS Cold Test on a typical oil. Cold tests of 50 to 100 hours are common when **CLARICOL** is used.

Even more dramatic than the extension of the AOCS Cold Test is the fact that **CLARICOL's** inhibiting power limits eventual crystals to imperceptible size—no heavy floc.

Adding as little as 0.02 to 0.04% **CLARICOL** to refined cottonseed and soybean oil prior to winterizing, speeds up crystal precipitation and overall production. Oils containing **CLARICOL** are more easily and rapidly filtered. The yield of winterized oil is increased and the Cold Test of the resulting oil is markedly improved.

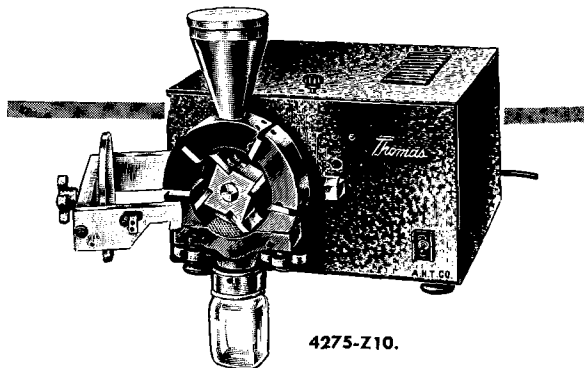
Very economical, **CLARICOL** is semi-fluid and easy to handle.

A food additive (21 CFR, Subpart D, Section 121.1016) 33 RICHDALE AVENUE, CAMBRIDGE 40, MASS.

New... Model ED-5

Wiley LABORATORY MILL

Developed to meet the demand for a size
between Intermediate and Model 3



- 5-inch chamber diameter
- 3-speed enclosed drive
- simplified sieve construction

For laboratory or semi-pilot plant milling of a large variety of materials. A modification of the original Standard Model 3 Wiley Mill developed in response to requests for a mill offering the advantages of the basic Wiley Mill shearing principle but of smaller chamber capacity, i.e., approximately half that of the Standard Model. Modifications include a simplified sieve construction and other features for safe, convenient bench operation.

Retains the shearing action of the Standard Model which minimizes changes in the sample such as temperature rise, loss of moisture, or liquefaction.

Grinding Chamber. Cast iron and steel, 5 inches i.d. x 2 inches deep. Four rotating knives are precisely adjusted for shearing clearance with four adjustable knives in the frame. Fan action increases throughput and quick clearing.

Knives. Tool steel, hardened and tempered. Stainless steel knives are available.

Drive Unit. Provides unloaded rotor speeds of approximately 500, 800 or 1200 r.p.m. Steel cabinet encloses $\frac{1}{3}$ h.p. motor, pulleys and bearing assembly.

Door. Clamping screw seals heavy steel plate door against the face of the mill. When released, door pivots for full diameter access to the chamber. *Safety electrical interlock disconnects motor when door is open.*

Sieves. Curved, round hole screens of stainless steel, inexpensive and easily interchangeable.

Receivers. Threaded collar on chute takes Mason jar. Collar is removable for attachment of a bag or smaller neck vessel.

4275-Z10. Laboratory Mill, Wiley Model ED-5, as described, with $\frac{1}{2}$, 1 and 2 mm sieves, threeshim plates, three Allen keys, open-end wrench for knife adjustment, and three 1-pint Mason type jars. With 3-wire cord, 3-prong plug and adapter. Shipping weight 185 lbs. For 115 volts, 60 cycles, a.c. 690.00

For description of other models of the Wiley Mill,
see pp. 346-350 of our catalog



ARTHUR H. THOMAS CO.

Scientific Apparatus

VINE STREET AT 3RD

PHILADELPHIA 5, PA., U. S. A.

• Industry Items

HOOKER CHEMICAL CORPORATION announced that it is building a facility for the manufacture of activated carbon in Lecheria, Mexico. The new facility will utilize a process developed by Clydesdale Chemical Company of Glasgow, Scotland.

CHEMICALS DIVISION OF OLIN MATHIESON CHEMICAL CORPORATION, Joliet, Ill., has been officially named the Blockson Works. The dedication honored Louis, William, and Edward Block, who in 1925 founded the Blockson Chemical Company.

W. R. GRACE & Co., announced plans for the construction of a major nitrogen fertilizer production plant at Wilmington, N. C. This new facility, to be known as the Carolina Nitrogen Corporation, will be jointly owned by Grace and a group of Carolina fertilizer producers.

PHILLIPS PETROLEUM Co., Bartlesville, Okla., has formed a new company, Societa Italo-Americana Petrochimica Indrocarburi. This company (SIAPI) will market many of the special products of Phillips including normal hexane, normal pentane, cyclohexane, and odorless paint thinners.

HOFFMANN-LAROCHE, INC., recently announced the purchase of the Ray Ewing Co., of Pasadena, Calif. A producer of vitamin supplements for the poultry and animal fields, this company will operate as a marketing division for Hoffmann-LaRoche.

CHAS. PFIZER & Co., INC., New York, recently purchased, by common stock, the C. K. Williams & Co., of East St. Louis, Ill. This firm, which will operate as a Pfizer subsidiary, has been active in technical achievements in the dry colors and extended pigment field, with products that are new to the parent company.

THE EDIBLE OIL PRODUCTS DIVISION OF THE GLIDDEN Co., FOODS GROUP, Cleveland, O., introduced a new line of safflower oil shortenings to meet the specific baking requirements for both commercial and institutional use.

THE HAWKEYE CHEMICAL COMPANY has awarded a contract for construction of a multi-million dollar nitrogen



W. F. Price, President, Hawkeye Chemical Company, signs contract for the construction of giant ammonia complex. M. Ellsworth, Executive Vice President of the Fluor Corporation (seated), and A. E. MacGee, Hawkeye VP look on. Dr. MacGee is the current AOCS President.

products plant at Clinton, Iowa, to the Fluor Corporation of Los Angeles. The plant, with a 400-ton daily ammonia capacity is expected to go into service in approximately one year.

Lipid Distribution Program Sponsored by National Institutes of Health

Mixtures Available to Qualified Investigators

Through a cooperative project of the Division of Research Grants and the National Heart Institute, National Institutes of Health, ampoules containing 200 mg of mixtures of pure fatty acid methyl esters are available for distribution to qualified investigators in whose research programs such materials are needed. These samples should be useful in the calibration and standardization of analytical techniques requiring only small amounts of lipids, and additional literature will be made available to assist research workers who wish to apply them to gas liquid chromatography.

Certain individual fatty acid methyl esters may also be obtained under this program. Available in 99 per cent purity are methyl docosa-13-enoate, eicosa-11-enoate, octa-12-enoate, and octa-11-enoate; samples of 95% or greater purity will include eicosa-5,8,11,15,17-pentaenoate, docosa-4,7,10,13,16,19-hexaenoate, tetracosia-15-enoate (nervonate), and octadeca-6-enoate (petroselenate).

Broad Distribution Desired

Investigators desiring these samples should submit requests in duplicate for each set required, describing briefly the research purpose for which they are to be used. The committee advising on this distribution program will attempt to fill all deserving requests, but with the aim also of assuring broad distribution to areas where needed. Letters should be addressed to Dr. William H. Goldwater, Division of Research Grants, National Institutes of Health, Bethesda 14, Maryland.

• Obituaries

A. L. Sawyer (1937) of Falls Church, Va., fell as a result of a stroke and was fatally injured in May, 1962. Mr. Sawyer represented AOCS in the Office of Critical Tables, Academy of Sciences.

T. C. LAW, 1880-1962

T. C. Law (1909), Charter and Honorary Member, also President of the American Oil Chemists' Society in 1916-17, died on May 4, 1962, after suffering a heart attack on April 3rd.

Mr. Law was founder of the Law and Company, Consulting and Analytical Chemists, Atlanta, Ga. He specialized in chemical development of the vegetable oil industry, with special emphasis on chemical control of manufacturing, basic research, and perfection of analytical methods of evaluating products.

He was the author of many articles and served on several Society Committees including F.A.C., Color, Seed Analysis, Peanut Analysis, Referee Board, Journal, Refining, Uniform Methods, and Smalley committees.

The deepest sympathies of the AOCS membership are extended to the Law family.

New Literature

(Continued from page 8)

of products, and lists the average composition of each product. (Dept. S, Carew Tower, Cincinnati 2, Ohio.)

THE GAS-CHROM NEWSLETTER, June issue, described the method of production of uniformly tagged (C¹⁴) fatty acid methyl esters and lists those which are now in stock. The Newsletter also discusses a number of new materials for gas chromatography including stationary phases and solid supports. (Applied Science Laboratories, Inc., State College, Pa.)

KESSLER CHEMICAL CO. INC. describes emulsifiers, wetting agents, defoamers, lubricants, solvents, and synthetic waxes in an 18 page booklet entitled "Esters for the Food Industry." No. F-1997. (State Road and Cottmon Ave., Philadelphia 35, Pa.)

PACKARD INSTRUMENT CO., INC. has recently released Bulletin 1019, which announced an increase in tritium counting efficiency for its Tri-Carb Liquid Scintillation Spectrometers. (La Grange, Ill.)

COMPU DYNE CORP. published a bulletin summarizing the three, automatic, high accuracy, batch and continuous weighing systems: electric, flexure, and pneumatic. This bulletin also includes the capacitance type Prob-A-Larm level indicators and the chilled mirror Dewpoint Indicator and Recorder. (400 S. Warminster Rd., Hatboro, Pa.)

T. L. Rettger, Executive Secretary, Retired

T. L. Rettger, emeritus member since 1960, retired on April 30, 1962 as Executive Secretary of the American Oil Chemists' Society and Managing Editor of the Journal.

Ted, as he was known by his many friends, succeeded Mrs. Lucy R. Hawkins who retired in May, 1961 following many years of service to the Society.

Ted joined the Society in 1921 and had been active on many committees including the Seed Analysis Committee, 1924, of which he was chairman; Soybean Analysis; Moisture, Lint Analysis on Cottonseed; Meal Color; Seed and Meal Analysis, 1954-58; Smalley, 1946-58; Gossypol Analysis, 1947-58; Journal, 1948-49; Nominating and Election, 1950; Bleaching Methods, 1950; chairman of the Foreign Matter in Linters, 1953-56; and Cellulose Yields, 1956-58.

He was employed by the Buckeye Cotton Oil Company, subsidiary of Procter & Gamble Company, as Division Chemist located in Memphis, Tennessee for 35 years

until his retirement in 1959. Following the retirement of E. C. Ainslie in the middle 1950's, he became Chief Chemist of Buckeye's oil mill division.

Ted had, for many years, planned to take an extended trip abroad, and following his retirement he embarked from New Orleans on a leisurely trip around the world which lasted about six months. He visited Italy, Greece, Egypt, India, Pakistan, Ceylon, Singapore, Hong Kong, and Japan before returning to the United States. He spent considerable time in each of these countries, and visited with a number of the Society's foreign members. In India he had an opportunity to inspect mills operating on cottonseed and other oilseeds.

Ted is an accomplished writer, and during his trip he wrote a number of articles which were published in the travel section of the Memphis Commercial Appeal. These articles vividly described points of interest and his varied experiences. His descriptions were such that the reader could perfectly picture the various scenes and localities. At some future date, Ted plans to write his travels in book form.

As Executive Secretary of the Society, Ted reorganized many facets of the AOCS Headquarters operation in Chicago. Following his retirement, he left for California to visit with his only daughter and to travel further over the western portion of the country, after which he will return to Memphis where he will make his home. His residence in Memphis is unique. He did the designing and most of the construction in his spare time over a period of several years. It is located on a beautiful wooded knoll in suburban Raleigh, Tennessee.

The Society Headquarters Staff and the Society Members wish Ted health and happiness in his retirement.



T. L. Rettger