New Products

COLORIMETER SYSTEM

The XL-845 circumferential colorimeter system, introduced by Gardner Laboratory Div., uses a fiber optic illumination technique, especially useful for the measurement of textured or granular samples. Highly directional products such as nonhomogeneous food stuffs, textiles, leathers, plastics, building products and textured paints can be measured easily and quickly, the company says. The XL-845 uses the Gardner control console, featuring an easy-to-read digital readout with instantaneous selection of four standard color scales and indices. Contact: Gardner Laboratory Div., Pacific Scientific Co., PO Box 5728, 5521 Landy Ln., Bethesda, MD 20014.

ELEMENTAL ANALYZER

Perkin-Elmer's new elemental analyzer, Model 240C, is able to analyze organic and inorganic compounds for carbon, hydrogen, nitrogen, oxygen and sulfur, as well as metals and refractory materials for carbon content. An additional capability has been added for mineral carbonate carbon. The new system is a semi-automatic analyzer, designed for computer-aided chemistry. With the addition of the new 240 Data Station and Autosampler, the system has the capability of completely automatic analysis, data reduction and permanent storage of up to 60 samples. Contact: The Perkin-Elmer Corp., Main Ave., Norwalk, CT 06856.

GAS TRAP

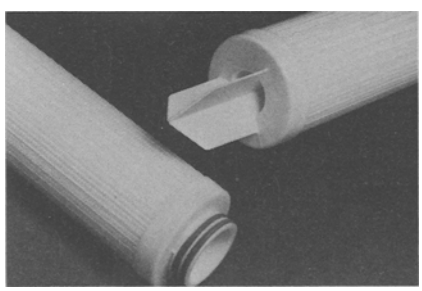
The Multi-Purge 3-Stage Gas Trap, from Applied Science Div., contains everything needed for purification of GC carrier gas in a single module design for easy wall mounting. Stage 1 consists of an indicating molecular sieve for removal of water; stage 2 is an indicating oxygen trap; stage 3 has a combination of activated carbon and a special indicating adsorbent for carbon dioxide. All stages undergo a color change when purifying capacity is exhausted. Contact: Applied Science Div., PO Box 440, State College, PA 16801.

R.I.D. PLATE FILLER

An R.I.D. (radial immunodiffusion) plate filler with a nonwetting plastic capillary and nonscarring Teflon plunger has been introduced by Tri-Continent Scientific. The plastic capillary is unbreakable, and is reusable since the Teflon plunger cleans the inside with each sample, without scarring the well. The instrument is adjustable from 2 to 10 μL (0.002 to 0.01 mL), and is well-suited to applications where breakage of fragile glass capillaries is a problem. Contact: Tri-Continent Scientific Inc., 12541 Loma Rice Dr., Grass Valley, CA 95945.

PRECISION HYGROMETER

Humi-Chek 3 is Beckman's new combination relative humidity and temperature indicator with an integral temperature sensor. The portable instrument can be held in one hand and features high-accuracy, fast response-sensing circuitry. It displays all measured valves on a calibrated thumb wheel dial and uses a push-button switch. Humi-Chek 3 is calibrated directly in percentage relative humidity and temperature. Contact: Beckman Instruments Inc., Cedar Grove Operations, 89 Commerce Rd., Cedar Grove, NJ 07009.

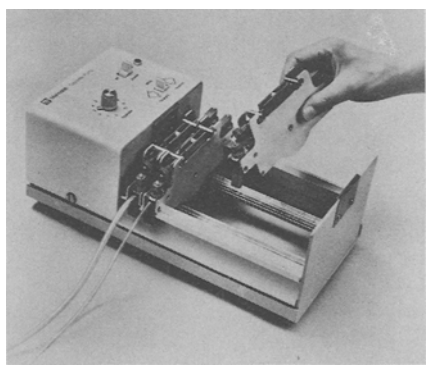


FINE CHEMICAL FILTER CARTRIDGE

The Brunswick Filterite LLP Cartridge is now available with endcap options to fit virtually all standard sanitary filter cartridge housings. It is constructed of FDA-approved, non-fiber-releasing, biologically inert polyolefin and is designed for fine chemical, high-purity water, photo resistance, food, beverage and pharmaceutical filtration applications. End fittings include double O-ring endcap, plain closed ends, bayonet closed ends and the standard double-open endcaps. Contact: Filterite, 2033 Greenspring Dr., Timonium, MD 21093.

CERTIFIED ANALYSIS TLC PLATES

Whatman Inc. has announced that selected Whatman TLC plates are now available under a new Certificate of Analysis program. Each package of the selected plate types will carry a certificate defining efficiency, resolution and overall chromatographic performance to be expected of that plate type. Whatman says that its TLC plates are now not only extremely reproducible, but closely predictable. Other parameters quantified on the certificate include physical characteristics, development data, conditions of development and densitometry conditions. Contact: Whatman Inc., 9 Bridewell Place, Clifton, NJ 07014.



CASSETTE PUMPING CHANNELS

Manostat has developed a new multichannel cassette peristaltic pump, which can handle new pumping needs simply through the addition of cassette units. Up to 20 pumping channels, in the form of individual cassette modules, may be added to one basic drive unit. Solid state control provides constant flow and permits variable pumping rates with no variation from forward to reverse. Contact: Manostat Corp., 519 8th Ave., New York, NY 10018.

UV DETECTOR

A new variable wavelength UV detector for HPLC is available from

Kratos. The SF 769 provides variable wavelength control from 190 to 400 nm and features easily interchangeable flow cells for use in standard HPLC, low pressure LC and the microbore column LC methods. The new model has seven choices of absorbance ranges from 0.01 to 2.0 AUFS and the company says that the double beam provides extremely stable operation, with exceptionally low noise. Contact: Kratos Inc., Schoeffel Instrument Div., 24 Booker St., Westwood, NJ 07675.

TLC DETECTOR SYSTEM

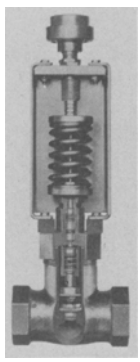
Newman-Howells Associates says that its system Iatroscan TH-10 combines both the basic principles of TLC and GC and can handle 10 samples sequentially, giving a 30-second readout scan for each sample analysis. Up to 120 routine separations to be quantitated within a normal working day are possible due to a fixed sample-carry format. Unlike GC and HPLC, component separation takes place outside the TLC/FID system which is dedicated only to component scanning. Quantification of separated lipid classes can be obtained rapidly and efficiently with a sample size as small as 2-25 μg. Complete development and separation in the case of red cell membrane lipids takes 20 minutes. The more complex mitochondrial phospholipids can be separated and quantitated within 3 hours of lipid extraction. Contact: Newman-Howells Associates Ltd., Wolvesey Palace, Winchester, Hants. S023 9NB, England.

ELECTRONIC TIMER

The National Instrument Co. has a new Model 950 battery-powered electronic timer which features three timing ranges—0 to 60 minutes calibrated in increments of 1 minute, 0 to 10 minutes in increments of 1/2 minute and 0 to 60 seconds in increments of 1/10 second. Features include a push-button, on-off switch and an LED indicator light that blinks continuously while the timer is on. A 3-inch diameter transparent rotary indicator makes it easy to set the timer to the precise time cycle desired. The Model 950 weighs 6.5 oz. and can be used on a table top or hung on a wall. Contact: National Instrument Co. Inc., 4119 Fordleigh Rd., Baltimore, MD 21215.

REFERENCE ELECTRODES

Innovative Sensors, a company which claims that the reference electrode is responsible for 90% of all sensor failures, has developed a series of porous Teflon liquid junction reference electrodes which allow reliable pH, ORP and specific ion measurements in process streams and waste effluents. The porous Teflon liquid junctions, made with precise porosities, provide a controlled and consistently predictable flow or leakage rate, are nonclogging and help to inhibit poison ion penetration of the reference half cell. Contact: Innovative Sensors Inc., 4358 E. La Palma, Anaheim, CA 92807.



TEMPERATURE SENSING CONTROL VALVE

Ogontz Controls Co. is marketing a self-contained, self-actuating ambient temperature sensing control valve which, the company says, eliminates steam waste in tracer lines of all types by automatically controlling steam flow in response to ambient temperature. The TL control valve conserves large quantities of steam energy by automatically shutting off the flow of steam in traced lines when ambient temperature rises above a preset point. Fail-safe operation of the valve is ensured by a safety spring which opens the valve in case of actuator failure. Contact: Industrial Div., Ogontz Controls Co., 141 Terwood Rd., Willow Grove, PA 19090.

TLC DEVELOPING CHAMBERS

Analtech Inc. is offering a complete new line of lighter weight, "solvent-saving" developing chambers for thin layer chromatographic separations. The company says that the flat-bottom design of these stainless steel chambers significantly reduces solvent requirements. Solvent may be added—even during analysis—by raising the plate glass viewing post. The chambers are equipped with stainless steel lids and provide a contamination-free environment for developing all standard 20 × 20 cm or 10 × 20 cm TLC plates as well as 10 × 10 cm plates. Contact: Analtech Inc., 75 Blue Hen Dr., Newark, DE 19711.

NEW PRODUCT LITERATURE

Ball products, the Oilgear Company, 2308 S. 41st St., Milwaukee, WI 53219, is offering a free catalog describing the company's complete line of liquid and gas flowmeters. . . . Carrier Air Conditioning, PO Box 4808, Syracuse, NY 13221, has a new brochure, **Process Refrigeration Education Program (PREP)**, providing a description of helical screw compressors and their application in process refrigeration systems. . . . KOR Isotopes, 56 Rogers St., Cambridge, MA 02142, has compiled a **Bibliography of Literature** relating to research involving the use of stable isotope-labeled compounds. . . . A 124-page illustrated catalog, from the Interex Corp., 3 Strathmore Rd., Natick, MA 01760, gives information on the company's latest laboratory supplies. . . . The Organic Chemicals Division of W.R. Grace and Co., Poisson Ave., Nashua, NH 03061, has published a newly revised 16-page technical brochure on **Nitrilotriacetate Detergent Builder**. . . . A new 60-page catalog of constant heat and heat control equipment and apparatus for use in industrial, governmental, educational, and biomedical laboratories is available from Thermolyne Corp., 2555 Kerper Blvd., Dubuque, IA 52001. . . . The first condensed **Catalog of Direct Reading Liquid Level Gages and Valves** from the Clark-Reliance Corp., Technical Services Dept., 15901 Industrial Pkwy., Cleveland, OH 44153, presents design, material, performance and application data. . . .

Mallinckrodt to process spent catalysts

Mallinckrodt Inc. plans to build a new facility to recover nickel from spent vegetable oil catalyst.

The firm said it hopes the new facility, to be built at its Calsicat Catalyst site in Erie, Pennsylvania, should be ready by early 1983. The process to be used is capable of economy recovery of nickel from catalyst byproducts in which nickel content is as low as 3 to 5%, according to the company. The firm plans to buy spent catalyst from vegetable oil manufacturers. □

AOCS Conference on

Dietary Fats and Health

CHICAGO
Conrad Hilton Hotel, December 6-11, 1981

1,000 participants expected

Approximately 1,000 persons are expected to participate in the Conference on Dietary Fats and Health to be held Dec. 6-11, 1981, in the Conrad Hilton Hotel in Chicago.

The meeting is being held to provide an objective forum for the review and discussion of current knowledge on the role of fats in nutrition, health and disease as well as to promote dialog and understanding among all interested persons. The conference is designed to bring together representatives of academia, government, health care professions and industry. A major goal of the conference will be to identify areas where future research, education and information are needed.

The conference is expected to be of major interest to dietitians and nutritionists, physicians specializing in cardiovascular disease and preventative medicine, food technologists, fats and oils researchers, and others who may be involved with dietary fats.

Each day will include plenary lectures, subplenary sessions, and informal discussion groups at which registrants may question speakers or comment upon the day's presentation.

The tentative program was published in the June *JAOCS*. Further information and registration/housing reservation forms are available from the American Oil Chemists' Society, 508 S. Sixth St., Champaign, Illinois 61820 USA.

Major topics for the five days of the meeting will be: Basic Overview of Fat Chemistry and Technology; Role of Fats in Nutrition; Current Views on Lipids in Coronary Heart Disease; Current Research on Lipids in Cancer; and Emerging Research on Dietary Fats and Nutrition.

A 29-member international committee has developed the program under the guidance of cochairmen Drs. E.G. Perkins, Department of Food Science, and Willard Visek, Schools of Basic Medical Science and Clinical Medicine, both of the University of Illinois in Urbana-Champaign.

Plenary lectures will be published after the conference as a monograph, which will be distributed to all registrants. □

73rd Annual AOCS Meeting and Exposition
TorontoCanada

Sheraton Centre May 2-6, 1982

Toronto's visitor attractions

Toronto offers a wide range of attractions to visitors, from those who enjoy dining out, shopping and theater to those who prefer historical sights and sounds.

The AOCS' 73rd Annual Meeting will be held in Toronto's Sheraton Centre during May 2-6, 1982. The Sheraton Centre is in downtown Toronto, with numerous restaurants close by, and a shopping district at the front door.

Numerous theaters are also within walking distance. Toronto productions usually range from classical drama to improvisational comedy. Some combine dining and theater.

There are several historical sights in metropolitan Toronto. Historic Fort York consists of eight original buildings of stone, log and brick depicting military life in the 1800s. There are soldiers in 1812 uniforms performing military drills; pioneer cooking demonstrations are held in one of the kitchens. Fort York is approximately a mile from the Sheraton Centre along the Toronto waterfront.

The shoreline also is the location of several recreational complexes, including Harbourfront, The Toronto Island (Centre Island) and Ontario Place. All have a diverse mixture of recreational and dining facilities, including activities especially for children.

The most prominent peak on the Toronto skyline is the CN Tower which is 533.33 meters (1,815 feet, 5 inches) high, with an observation deck at 1,136 feet up, and a revolving restaurant at 1,150 feet. The Tower is approximately eight blocks from the Sheraton Centre.

A tourist information center is located across the street from the Sheraton Centre for visitors' use.

Besides the attractions of Toronto, the meeting planners have scheduled the traditional social events for the AOCS meeting, including a mixer on the evening of May 2 and a dinner the evening of May 5.

Technical program information will be available in February 1982. Meeting registration and housing reservation forms will be available slightly sooner and should be published in the January *JAOCS*. Abstracts should be received by November 15, 1982 (see Call for Papers).

Call for papers

The technical program committee for the 73rd Annual Meeting of the American Oil Chemists' Society to be held May 2-6, 1982, in Toronto, is accepting abstracts for papers to be presented during that meeting. Persons wishing to present papers should submit three copies of a 100- to 300-word abstract with title, speaker and coauthors clearly indicated. Contributed papers are expected to be approximately 15 minutes, with five additional minutes for ques-