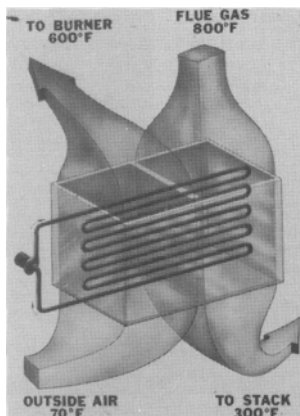
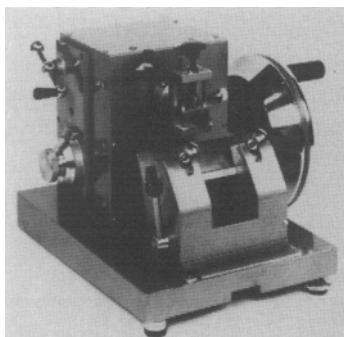


New Products



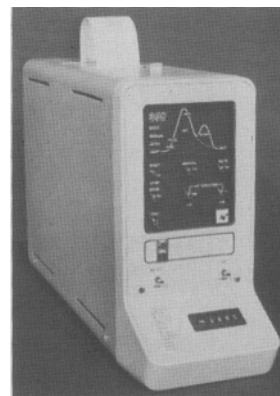
- Econo-Therm Systems has announced a preheat system which the firm says eliminates flue-gas condensation and consequent corrosion. The "Economic-Aire" system is a network of spiral-finned tubing looped through a twin-chambered box, separated by an insulated steel wall with individual tubes welded into the divider. The heat-transfer fluid is moved by a centrifugal pump. Information: Econo-Therm Systems, 11321 K-Tel Dr., Minneapolis, MN 55343 (tele: 612-938-3100).



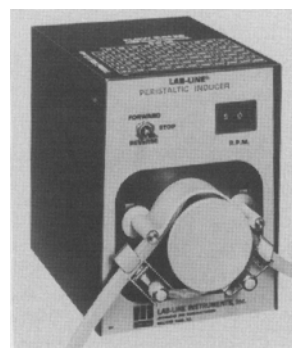
- Hacker Instruments is marketing its H/I-102 Precise Rotary Microtome. The instrument weighs 90 pounds and features a rapid advance control that remains permanently engaged and operates through a gear train free of springs. Advance is automatic to 40 microns in steps of one micron. Information: Hacker Instruments Inc., PO Box 657, Fairfield, NJ 07006.



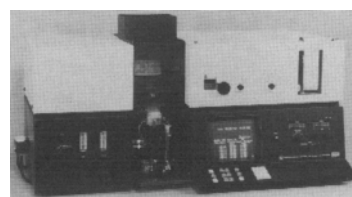
- Valco Instruments Co. has introduced its Digital Valve Sequence Programmer (DVSP), a unit designed for sample selection and injection, controlling switching valves, starting and stopping computer and data systems, and other precision timing applications in gas and liquid chromatography. The device is available with two, three, and four intervals, each interval having a pair of digital time switches, a three-position toggle switch, an LED, and an output relay. Information: Valco, PO Box 19032, Houston, TX 77024 (tele: 713-688-9345).



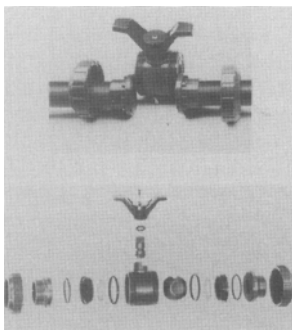
- Laboratory Data Control's Model 308 is its latest chromatography data processor. The unit features continuous display of run progress and memory storage for 80 peak areas, peak normalization, internal reference, edit of unwanted peaks, recalculation facilities, and others. Information: LDC, Box 10235, Riviera Beach, FL 33404 (tele: 305-844-5241).



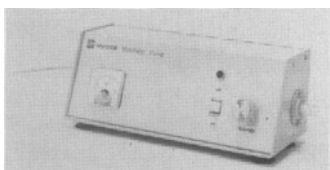
- Lab-Line Instruments has announced a new variable speed Peristaltic Inducer featuring a precision roller ball bearing motor with two digital speed controls for 1 to 100 rpm, permitting flow rates up to 1,000 ml/min. Information: Lab Line, Lab-Line Plaza, Melrose Park, IL 60160 (tele: 312-345-7400).



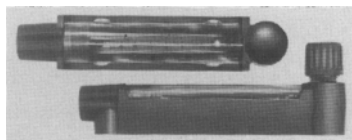
- Instrumentation Laboratory Inc. has unveiled its IL551 Video I Atomic Absorption Spectrophotometer, a micro-computer-equipped instrument that presents analytical information on a 23 x 17 cm cathode-ray tube display. The data handling system is controlled with 12 pushbuttons and is designed to be usable by para-professionals after minimum training. Information: Instrumentation Laboratory Inc., Analytical Instrument Div., Jonspin Rd., Wilmington, MA 01887 (tele: 617-658-5125).



- R&G Sloan Manufacturing Co. is marketing its GSR True Union Ball Valve designed so that it can be removed laterally from the line by loosening two union nuts, permitting quick replacement of O-rings and ball seats. Information: R&G Sloan, 7606 N. Clybourn Ave., Sun Valley, CA 91352 (tele: 213-767-4726).



- Monostat says its new Ministaltic Pump with Hypalon pumping unit permits exceptionally uniform pump rates. The pumping unit oscillates at 3,600 cycles/min, opening and closing the check valve and compressing the actuating bellows. Constant speed and flow rate is controlled by regulating the extent of oscillation, permitting a completely pulse free flow of liquid, the firm says. Information: Monostat Corp., 519 Eighth Ave., New York, NY 10018 (tele: 212-594-6262).



- The Wallace & Tiernan Div., Pennwalt Corp., has released its new glass-tube purge meter with Kynar vinylidene fluoride resin frame. The meter handles processor temperatures to 200 F and pressures to 150 psi. Information: Wallace & Tiernan, Pennwalt Corp., 25 Main St., Belleville, NJ 07109.

- Ortec Inc. has introduced its EEDS-II (Economy Energy-Dispersive Spectroscopy) X-ray analysis system featuring a flicker-free 11½-in. color TV display of spectra as either dots or bars. The display can color code up to 14 areas of interest on the spectrum and contains sample ID, memory, horizontal and vertical scale, counts per second, percent deadtime, and others. Information: Ortec Inc., 203 Midland Rd., Oak Ridge, TN 37830 (tele: 615-482-4411).

- Durkee Industrial Foods Group/SCM Corp. is marketing its Beta Plus liquid shortening with SSL, for use in bakery products. Durkee says the product makes bread production easier, reduces shortening levels needed up to 25%.

Information: Durkee Industrial Foods Group, 900 Union Commerce Building, Cleveland, OH 44115 (tele: 216-771-5121).

- Laboratory Data Control is marketing a metering pump with an explosion-proof GE motor that meets Class I, group D specifications for operation in hazardous environments. Precise quantities can be delivered at pressures from 0 to 5,000 psi, the firm says, with simplex and duplex models available. Information: LDC, BOX 10235, Riviera Beach, FL 33404 (tele: 305-844-5241).

- Markson Science Inc. is marketing its Model 4403 ElectroMark Digital Analyzer at \$798. The solid-state unit provides quick, accurate measurements of pH, conductivity, millivolts, and specific ion, the firm says. Information: Markson Science, Box 767, Del Mar, CA 92014 (tele: 714-755-6655).

- Ionics, Inc., has developed a completely automatic, analyzer-controlled, sample sequencing device. The device, Model 04-SS, is being marketed as an accessory to the company's LAB/1200 series of TOC, TOD, and TC analyzers. It is designed to reduce operator time requirements. Information: Ionics, Inc., Instrument Div., 65 Grove St., Watertown, MA 02172.

- Foxboro/Wilks, Inc., has developed a carbon bed adsorption monitoring system based on its Miran-II Infrared Analyzer. The system can be used to measure either a specific organic solvent or to make a total hydrocarbon measurement and to monitor air at the inlet and outlet of the adsorption beds. Information: Foxboro/Wilks, Inc., PO Box 449, South Norwalk, CT 06856 (tele: 203-853-1616).

- Wahl has introduced its "Temp-Spots Reversible Digital Temperature Decals." When overheated the self-contained, self-adhesive labels change from a blank reading to a preset calibrated digital readout; when heat level returns to normal, the decal again turns blank. Information: Temp-Alert Div., William Wahl Corp., 12908 Panama St., Los Angeles, CA 90066.

- McNab Inc. is offering its new process-chemical pH system called the Aqua-Purometer II pH/L-1P. The device is designed to consistently analyze and display solution pH and provide control and alarm action when preset limits are reached. The unit is suitable for in-line process control and batch operations, the firm says. Information: McNab, Inc., 20 N. MacQuesten Parkway, Mt. Vernon, NY 10550.

- Len. E. Ivarson Inc. has acquired manufacturing rights to the Sta-Rite pump from Universal Stainless. Manufacturing, sales, and service will be handled from Ivarson's Milwaukee plant. The sanitary pump has been renamed the Ivarson Sta-Flo pump. Information: Len E. Ivarson Inc., 3100 W. Green Tree Rd., Milwaukee, WI 53223.

New brochures: Perkin-Elmer Corp., Instrument Div., Main Ave. Mail Station 12, Norwalk, CT: Fluorescence Detectors for Liquid Chromatography (L-481); Amylase-Lipase Analyzer (B-25B, T-326); MPF-44A and MPF-43A High Performance Fluorescence Spectrophotometers (L-167A)... Spectra-Physics, 2905 Stender Way, Santa Clara, CA: SP4000 An Innovative Multichannel Data System

for Chromatography . . . Hach Chemical Co., PO Box 907, Ames, IA; Environmental Laboratories (DR-EL/1, DR-EL/1a) . . . Chemical Services Div., United States Testing Co., Inc., Hoboken, NJ; "Metals Chemistry," lab techniques for qualitative and quantitative determination of metals content and purity . . . Edward High Vacuum, Inc., 3279 Grand Island Blvd., Grand Island, NY 14072: 8-page catalog of valves/baffles/diffusion pumps . . . PVO International, Chemical Specialties Div., 416 Division St., Boonton, NJ 07005: Food Emulsifiers and Specialty Products brochure . . . De Laval Separator Co., 350 Dutchess Turnpike, Poughkeepsie, NY 12602: Electronic Efficiency System (SEES) to control vegetable oil refining losses . . . ArmaK Industrial Chemicals Div., PO Box 1805, Chicago, IL 60690: Bulletin 77-11, ArmaK Chemicals for Cosmetics and Pharmaceuticals . . . Diamond Shamrock's Functional Polymers Div., 800 Chestnut St., Redwood City, CA 94064: Duolite A-101D leaflet on anion exchange resin used for water demineralization . . . Ecolaire Condenser, Inc., PO Box 2327, Lehigh Valley, PA 18001: Stream Surface Condenser Calculations . . . Pope Scientific Inc., PO Box 495, Menomonee Falls, WI 53051: pH Electrodes catalog . . . Union Carbide, Corp., Coatings Materials, Dept. JLS, 270 Park Ave., New York, NY 10017: Vinyl Coatings for Corrosion Control . . . Penntube Plastics Co., Clifton Heights, PA: Folder No. 500 on tubing and other lab products. Supelco Inc. has published a 16-page catalog on the firm's packed glass columns and stock packings for use with chromatographs; order brochure on "New Concept in Glass Columns for GC" from Supelco Inc., Supelco Park, Bellefonte, PA 16823, or Rte. de Celigny 3, 1299 Crans, Suisse.

● **President's Club & Honor Roll**
(Continued from page 168A)

William D. Rightler, marketing coordinator, ICI Americas Inc., Concord Pike & New Murphy Rd., Wilmington, DE 19897.

Rudolph R. Romano, sales manager, edible and chemical products, Lever Brothers Co., Industrial Div., 390 Park Ave., Box 258/11J New York, NY 10022.

Maung M. Sein, general manager, Alfa-Laval Far East Sdn. Bhd., Unit 1, Block 2. 75, Ayer Rajah, Industrial Estate, Singapore 5.

Wayne J. Stancel, research chemist, Richardson Co., 2701 W. Lake St., Melrose Park, IL 60160.

Robert D. Stubblefield, research chemist, Northern Regional Research Center, USDA, 1815 N. University St., Peoria, IL 61604.

Nico A.M. Van Kats, technical superintendent, Chemical Developments of Canada Ltd., PO Box 307, Orillia, Ontario, Canada L3V 6J6.

Usui Yutaka, chief chemist, The Nisshin Oil Mills, Ltd., Research Laboratory, 3, 1-chome, Chiwaka-cho, Kanagawa-ku, Tokohama, Japan 221. ●

● **Corporate Members**
(Continued from page 170A)

Division of Textron Incorporated, Research Center Library, Buffalo, New York.

Theobald Industries, Harrison, New Jersey; Harry Theobald, rep.

Tintometer U.S.A., Bloomington, New Jersey; Bruce P. McCloskey, rep.

Union Camp Corporation, Wayne, New Jersey; Louis G. Zachary, rep.

Valley Products Company, Memphis, Tennessee; James A. Breazeale, rep.

G.A. Wintzer and Son Company, Wapakoneta, Ohio; F.S. Wintzer, rep.

Wurster & Sanger, Division of Jacobs Engineering Company, Chicago, Illinois. ●

from Washington



The Food and Drug Administration has announced plans to require warnings after April 6, 1978, on certain permanent hair dyes stating that their usage may entail a risk of cancer. The dyes involved are coal tar hair dyes containing 4-methoxy-m-phenylenediamine (2,4-diaminoanisole) or 4-methoxy-m-phenylenediamine sulfate (2,4-diaminoanisole sulfate). FDA says test by the National Cancer Institute indicate a risk of cancer sufficient to require warnings—either by labeling in retail packages or by posters in beautician shops where the dyes are used. These permanent dyes are usually used in shades of black, brown, and ash tone blonds, not in reddish or golden blonds, nor in semi-permanent tints or rinses. The FDA notice said other aromatic amines are being tested by the NCI, and the FDA will study those results for possible similar action. Details: *Federal Register*, Jan. 6, 1978, pp. 1101-1106.

The FDA has approved use of polysorbate 60, polysorbate 65, polysorbate 80, and sorbitan monostearate as emulsifiers in whipped edible oil topping, rather than exclusively in whipped vegetable oil toppings as the rule previously provided. Details: *Federal Register* of Jan. 20, 1978, p. 2871.

The De Laval Separator Co. has filed a petition with the FDA asking that food additive regulations be amended to permit use of sodium lauryl sulfate as a wetting agent in the partition of high and low melting fractions of crude vegetable oils and animal fats. Details: *Federal Register* of Jan. 17, 1978, p. 2445.

The FDA has decided to withdraw proposed regulations that would have permitted ice cream to be manufactured with "safe and suitable" dairy ingredients, rather than following the traditional strict recipe. The proposal had touched off a furor from many who opposed, for various reasons, the use of caseinates. The FDA does intend to hold hearings this spring on food labeling in general.

A revised edition of "Dietary Goals," prepared for the now-defunct Select Committee on Nutrition and Education (McGovern Committee), was off the press in January. Advance reports in the Jan. 16 *Food Chemical News* said the new version would emphasize reducing cholesterol intake but would not be as critical of egg consumption as the first edition. Eggs will be cited as a valuable protein source, the magazine said. The revision also will be less hostile toward meat consumption but will emphasize reducing animal fat in the diet as one way to reduce saturated fat intake. ●

ARS goes to SEA

The USDA has merged the former Agricultural Research Service, parent agency for the regional research centers in Philadelphia, Peoria, New Orleans, and elsewhere, into the newly created Science and Education Administration.

Merged with ARS in the new unit area are the former Cooperative State Research Service, Extension Service, and National Agricultural Library. The change is not expected to have a major effect on day-to-day operations at the Regional Research Centers, but was part of an effort to reduce the total number of agencies within USDA. The SEA was designed to provide a "Single focus to the fragmented research and education activities of USDA," according to Agriculture Secretary Bob Bergland. ●