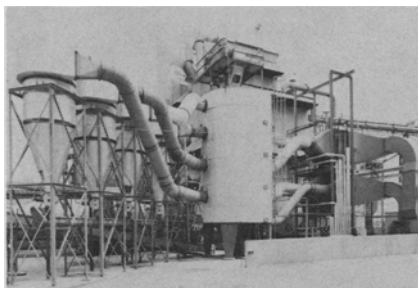


New Products

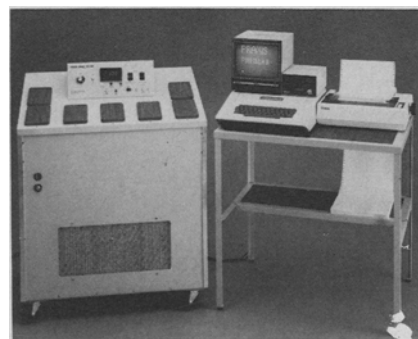


MEAL DRYER/COOLER

Crown Iron Works' Crown DC Meal Dryer/Cooler takes up 53% less floor space than conventional rotary systems and costs about 40% less, the firm says. Crown reports that the DC often requires less than half the steam energy of a conventional system because it uses almost 100% of the heat released during meal cooling to heat new meal. Features include automatic operation, maintenance-free design, low particulate emissions and high cooling efficiency. Contact: Crown Iron Works, Process Equipment Div., 1229 Tyler St. NE, Minneapolis, MN 55440.

RANCIDITY TESTER

The E 617 Rancimat from Brinkmann Instruments is designed for the accelerated testing of rancidity in edible oils or extracts from fats, nuts and similar products. The unit uses forced air and heat to hasten production of volatile acids in the sample as it becomes rancid. The measurement is made by change in conductivity. Contact: Brinkmann Instruments Inc., Cantiague Rd., Westbury, NJ 11590.



SFC ANALYZER

Praxis Corporation's SFC-Lab is a computerized system for the determination of the solid fat content of edible fats and oils. It provides for the timed thermal conditioning of fat samples at seven temperatures and the determination of the solid fat content

at five temperatures. The flexible computer program guides the operator step-by-step with video display and audible signals. As many as 20 samples may be processed at one time, with all calculations performed by the computer. Contact: The Praxis Corp., 8327 Potranco Rd., San Antonio, TX 78251.

LIGHT BOOTH

The Colorgard II Light Booth has been designed by Gardner Laboratory Division to allow visual color-matching of materials and to detect the presence of metamerism by providing a variety of controlled light sources within a neutral enclosure. Standard light sources include daylight, cool-white fluorescent, a choice of horizon or incandescent, and ultraviolet radiation. Colorgard II has applications in industries that rely on visual color-matching, grading, inspection and shade-sorting. Contact: Gardner Laboratory Div., Pacific Scientific Co., PO Box 5728, 5521 Landy Ln., Bethesda, MD 20014.



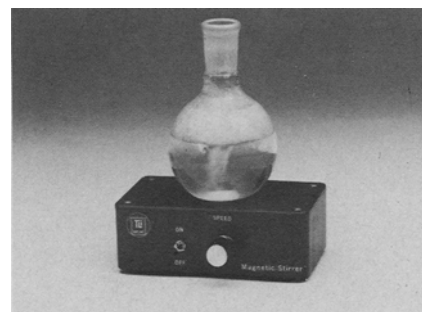
POST COLUMN REACTION SYSTEM

Krato's new URS 050 Post Column Reaction System is a self-contained instrument for post column derivatization in HPLC. Designed for procedures requiring the addition of a single reagent at room temperature, the URS 050 incorporates a flow-induced vortex mixing chamber that ensures uniform sample/reagent mixing in minimum volume. Contact: Kratos Inc., Schoeffel Instruments Div., 24 Booker St., Westwood, NJ 07675.

ABSORBANCE DETECTOR FOR HPLC

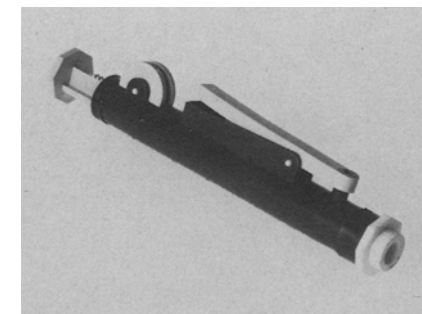
Beckman Instruments' microprocessor-controlled Model 160 Wavelength-Selectable Absorbance Detector detects and measures compounds such as

proteins, peptides, anticonvulsants, and chlorinated hydrocarbons without the expense and complexity of a variable wavelength detector. The Model 160 is designed for use with Beckman liquid chromatographs and is suited for use with microparticulate columns to provide low detection units. Features include high sensitivity, minimal refractive index sensitivity, low-wavelength capability, advanced optical and flow cell design, and microprocessor control. Contact: Beckman Instruments Inc., Scientific Instruments Div., 1716 Fourth St., Berkeley, CA 94710.



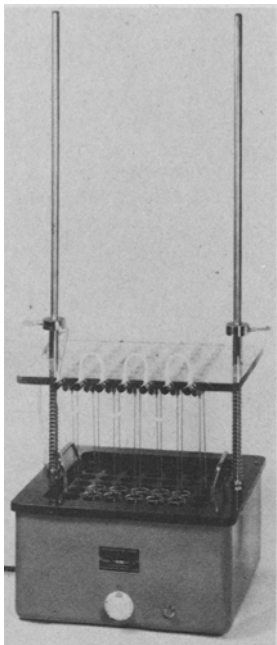
MAGNETIC STIRRER

TechniLab has introduced a portable, battery-powered magnetic stirrer suited for use in field work, areas without electricity and multi-station labs where cost is a consideration. Powered by two D-cells, the stirrer features an on/off switch and a speed control. Contact: TechniLab Instruments Inc., Pequanock, NJ 07440.



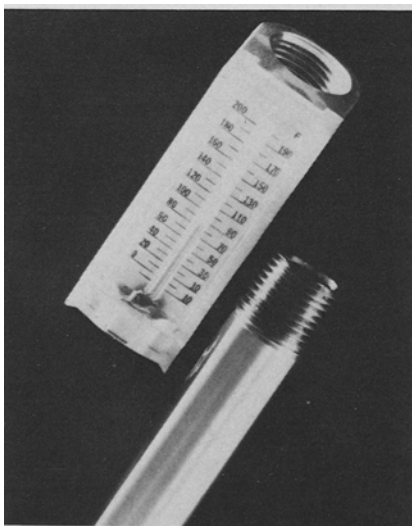
PIPETTE PUMP

Designed for use with pipettes of up to 10 ml, the Pi-Pump 2000 features drop-by-drop control, easy cleaning in case of contamination, slow or rapid filling via knurled knob, and universal chuck for ease of pipette insertion. Contact: Bel-Art Products, Pequanock, NJ 07440.



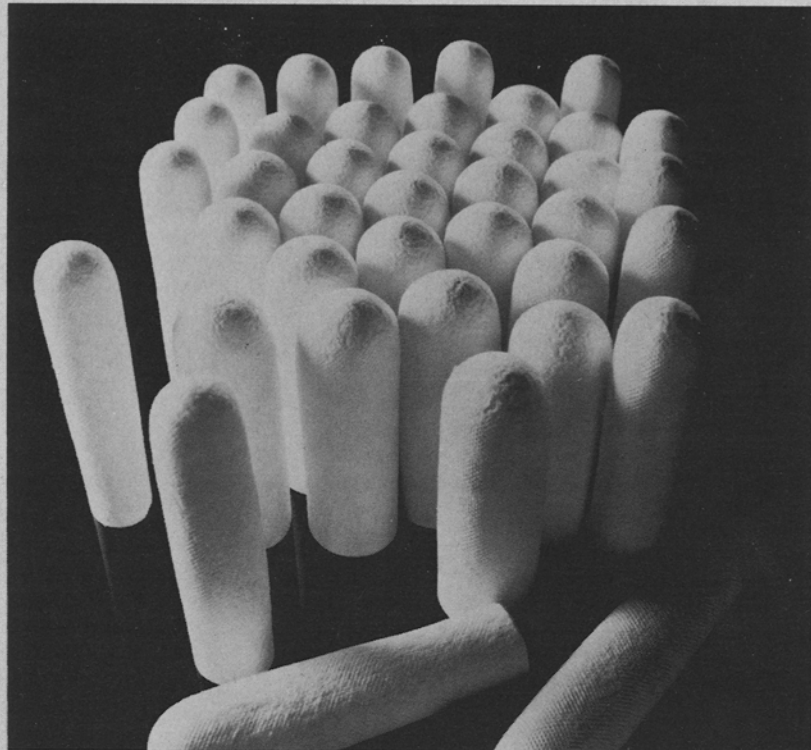
ANALYTICAL EVAPORATOR

A compact analytical evaporator that drives solvent rapidly and simultaneously from a large batch of test samples has been designed by Organomation Associates to facilitate high-volume residue analysis. The Multivap Model 113, according to Organomation, drives solvent from a batch of up to 49 individual samples in 69 minutes. The unit uses 0.56 cfm and 10-20 psig of nitrogen or dry air as the evaporating agent and maintains water bath temperature below the solvent boiling point to prevent sample loss by bumping. Model 113 accommodates seven banks of seven tubes each in a stainless steel rack that lifts out of the unit for easy loading and unloading. Contact: Organomation Associates Inc., 10-G Bear Foot Rd., Northborough, MA 01532.



TEMPERATURE MONITOR

Rood Tool Company's new in-line temperature monitor connects into standard piping measuring 3/8 inch or more in diameter and acts as a heat



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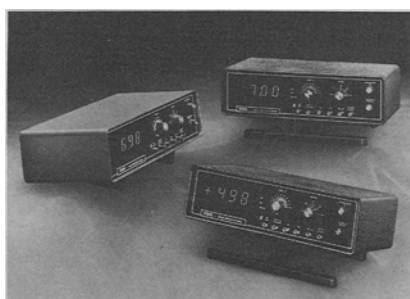
PAPER DIVISION

Whatman

sink to stabilize temperature gradients. The standard models, constructed of a special aluminum for durability, are calibrated in degrees F from -10 to 200 and are accurate to $\pm 5\%$, according to its manufacturers. Other temperature scales and ranges are available. Contact: Rood Tool Co., 343 Fillmore St., St. Paul, MN 55112.

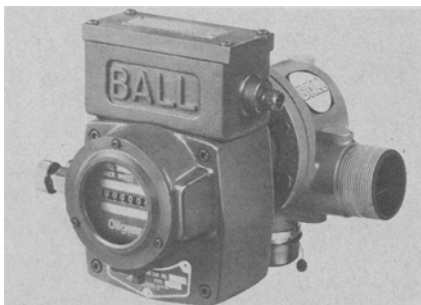
EJECTOR PUMP

Jet-Vac Rulon-lined ejector pumps combine the chemical resistance of Teflon with the erosion resistance of fiberglass reinforcement to permit pumping of corrosive fluids at temperatures up to 400 F and at steam pressures up to 235 psig. The Rulon liner is armored with cast iron and steel to insure structural integrity. Ejectors are available in five suction/discharge sizes from 1-1/2 to 6 inches. Contact: Jet-Vac Corp., 73 Pond St., Waltham, MA 02154.



DIGITAL pH/ION METERS

A series of three digital pH/ion meters designed for precise measurement of pH and millivolt data has been introduced by Pope Scientific. Model 1502, which the firm says is the first meter to offer dual electrode capability, has two high-impedance inputs and can accommodate two electrodes simultaneously for easy measurement of both pH and millivolt data, from either a single source or two solutions. All three models—1500, 1501 and 1502—feature push-button control for switching from pH to ion readouts. Contact: Pope Scientific Inc., PO Box 495, N90 W14337 Commerce Dr., Menomonee Falls, WI 53051.



FLOWMETERS

A new line of all-purpose liquid and

gas flowmeters from Ball Products Group is designed to measure all but the most viscous liquids. The meters feature a choice of externally mounted mechanical, electrical, or electronic readouts. Normal accuracy of the liquid meters is $\pm 0.5\%$ of reading over the linear range. Gas meters exhibit normal accuracy of $\pm 0.1\%$ over linear range. Contact: Ball Products, The Oilgear Co., 2308 S. 51st St., Milwaukee, WI 53219.

CLEANING AGENT/DECONTAMINANT

Contrad is a surface-acting cleaning agent designed for use on analytical glassware, tissue-culture plates, and other objects for which total cleanliness is critical to performance. Powdered Dri-Contrad is a nonfoaming surfactant that is safe to use in modern glassware-washing machines. The liquid foam, Contrad 70, when used for soaking, removes all unwanted surface materials, including silicone, greases and oils, dehydrated protein, and carbonized materials, the firm says. Contrad's applications as a decontaminant range from simple RIA materials to nuclear reactor parts and fuel rods. Contact: Curtin Matheson Scientific Inc., PO Box 1546, Houston, TX 77001.

SURFACTANT BLEND

Agent 804 is a surfactant blend from Stepan Chemical that can be formulated as a shampoo, liquid hand "soap," or bubble bath. According to Stepan, Agent 804's major surfactant, sodium α -olefin sulfonate, offers cost savings over lauryl sulfate systems. Contact: Stepan Chemical Co., Surfactant Dept., Edens and Winnetka, Northfield, IL 60093.

NEW PRODUCT LITERATURE

Branson Sonic Power Company, Eagle Rd., Danbury, CT 06810, offers a six-page booklet entitled **Branson Sonifier Cell Disruptor** which describes how its cell disruptors work, their applications, special features, and accessories. . . . **The Creative Source** is a 10-page brochure designed as a guide for the chemical industry on custom synthesis and batch production of specialty chemicals, available from Eastman Kodak Co., Laboratory and Specialty Chemicals, 343 State St., Rochester, NY 14650. . . . A 28-page catalog from Wahl Instruments Inc., 5750 Hannum Ave., Culver City, CA 90230, illustrates portable temperature measurement instruments used for quality assurance, plant maintenance, engineering tests and energy conservation. . . . The 1,592-page 1982/83 edition of Arthur W. Thomas' **Catalog of Scientific Apparatus and Reagents** is now avail-

able from Arthur W. Thomas Co., Vine St. at Third, Box 779, Philadelphia, PA 19105. . . . **A Guide to Selecting Stainless Steels for Pumps, Valves, and Fittings** can be obtained from Carpenter Steel Div., Carpenter Technology Corp., Reading, PA 19603. . . . Technical Fabricators Inc., 205 Dunn Ave., Piscataway, NJ 08854, offers a technical bulletin describing its two new, high-flow-rate filter cartridges. . . . Now available is the **1982 Catalog of Research Chemicals and Materials**, a 920-page listing of chemicals, precious metals, and high purity elements, published by Alfa Products, Thiokol/Ventron Div., 152 Andover St., Danvers, MA 01923. . . . The summer 1981 issue of **Applied Science Chromatographer**, featuring articles on a variety of chromatographic equipment, can be ordered from Applied Science Division, PO Box 440, State College, PA 16801. . . . **Bulletin 17-707**, from PQ Corp., PO Box 840, Valley Forge, PA 19482, highlights the characteristics and properties of the Britesil hydrous sodium silicate powders specially developed for synthetic detergents. . . . Panel-mounted accessories for process indication are described in **Brochure 4832-B**, available from Beckman Instruments, Technical Information Section, Process Controls Dept., 2500 Harbor Blvd., Fullerton, CA 92634. . . . **Bulletin AB-33** from Fisher Scientific, 711 Forbes Ave., Pittsburgh, PA 15219, describes a potentiometric titration system used in conjunction with a selective-ion electrode method for determining nickel content. . . . A simplified guidebook, **What You Should Know about Industrial Microwave Processing**, is available free from Svenson & Associates, 45 Webb Rd., Watsonville, CA 95076. . . . Teflon capliners and other laboratory aids are described and priced in a brochure from Scientific Specialties Inc., PO Box 352, Randallstown, MD 21133. . . . **How to Specify and Evaluate Energy-Efficient Motors** is a 24-page technical publication that provides comprehensive motor selection advice for industrial users, available from General Electric Co., 705 Corporations Park, Scotia, NY 12302. . . . **Ozone: The Process Water Sterilant** is an 18-page brochure offered by PCI Ozone Corp., One Fairfield Crescent, West Caldwell, NJ 07006. . . . A new **Short Form Catalog** describing a complete line of compact and full-sized chart recorders is available from Linear Instruments, 17282 Eastman Ave., Irvine, CA 92714. . . . **Heat Processing Controls**, a brochure describing products available to the heat processing industries, may be requested from Barber-Colman Co., Industrial Instruments Div., 1700 Rock St., Rockford, IL 61101. □