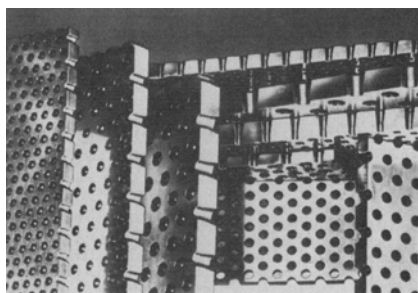

New Products



CONICALLY DRILLED PLATES

Conically drilled metal plates designed to provide increased screening, sifting, sizing and grading capacity and longer service life in chemical and food processing applications are available from National Perforating Corporation. National's conically drilled plates feature hole diameters from 1 to 5 mm (.039 to .197"), with center spacing from 1.85 to 24 mm (.073 to .945"). Patterns are staggered 60 degrees or 40 degrees and open area ranges up to 50%. As required, plates can be curved, rolled, welded and/or flanged. Contact: National Perforating Corporation, J. Lee Plant Jr., vice president, Parker Street, Clinton, MA 01510.

INDUSTRIAL SCALE

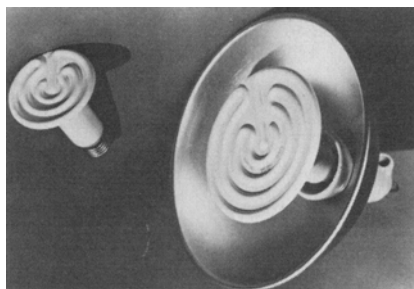
Toledo Scale has introduced its new heavy-duty industrial scale, the model 2185 Bench/Portable Scale. It has a highly sensitive NEMA 4 Toledo load cell and the design eliminates pivots, bearings and routine maintenance. Correct weight readout is displayed within 2 to 3 seconds. Available in both carbon and stainless steel, capacities are available up to 1,500 lbs. Platform size is 24" x 30". A special wheel kit for portability is available. Contact: Toledo Scale, Div. of Reliance Electric, 350 W. Wilson Bridge Rd., Worthington, OH 43085.

PROPYLENE GLYCOL ETHERS

Arco Chemical Company has introduced its Arcosolv line of propylene glycol ethers, used in producing household and industrial cleaners, cosmetics, paints and other end products. The products offered are mono-, di- or tri-propylene glycol monomethyl ether with miscibility with a wide range of organic liquids as well as water. Information: Arco Chemical Co., 1500 Market St., Philadelphia, PA 19101.

MICROFIBRILLATED CELLULOSE

ITT Rayonier has developed a new product derived from wood called microfibrillated cellulose or MFC. MFC is pure cellulose which has been processed so that the surface area of the fibers are opened tremendously without affecting chemical properties but improving physical properties. Processed MFC is odorless and tasteless. A non-caloric binding and bulk extender, it can be used to make such foods as salad dressings. It can be used as a non-oil cream base for cosmetics. Contact: ITT Rayonier Inc., 1177 Summer St., Stamford, CT 06904.

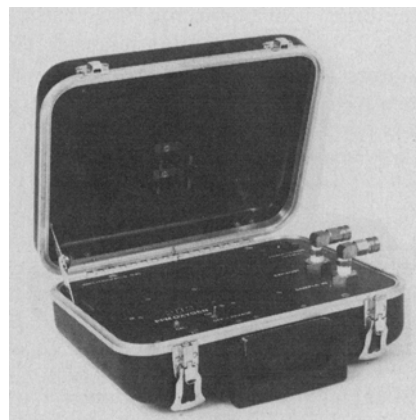


INFRARED LAMP

British-made ceramic infrared heat lamps with outputs up to 500W reportedly survive even if splashed with cold water. For protection against moisture, oxidation and pollutants, ceramic elements are manufactured by embedding a resistance heating spiral in a glazed body of refractory material. Glaze and body have a high emittance value approaching 1.96. Because cooling takes a little longer, they are unsuitable for processes requiring a rapid response. Contact: Hassett International, 152 Bulford Road, Durrington, Salisbury, Sp4 8EZ England.

LAB LABELER

Bel-Art Products new lab labeling system includes color-coded labels, tape dispenser and a special clear polyester protective tape used for labeling all labware. The protective tape has a waterproof, wear-resistant covering over the label, and the tape and acrylic adhesive are resistant to casual exposure to acids, alkalis and organic solvents and can withstand temperatures from -190 C to +120 C. Contact: Bel-Art Products, Inc., 6 Industrial Rd., Pequanock, NJ 07440.



PORTABLE DIGITAL TRACE OXYGEN ANALYZER

Neutronics portable trace oxygen analyzer, the model 910-TR-PM, can perform digital analysis of oxygen in the 0-2000 ppm range in the field. Lightweight, it can certify inert gas purity, spot check flammable liquid and gaseous monomer feedstocks and monitor processes requiring inert atmospheres. Contact: Neutronics Inc., 450 Drew Court, King of Prussia, PA 19406.

UV AND VISIBLE SPECTROPHOTOMETRY

LKB has introduced a new single beam UV and visible spectrophotometer with microprocessor-based optical system. Within 90 seconds from switch-on, the wavelength accuracy of LKB's UltroSpec will have been automatically verified and, if necessary, recalibrated. Contact: LKB Instruments Inc., 9319 Gaither Rd., Gaithersburg, MD 20877.

LC COLUMN SELECTOR

Rheodyne's new tandem actuator with two valves enables five LC columns to be connected and disconnected from a chromatograph. The model 7066 consists of two rotary valves geared together on a tandem pneumatic actuator. One valve connects the sample injector outlet to the inlet end of one of five columns or a bypass line, while the other valve simultaneously connects the outlet end of the selected column or the bypass line to the detector. The valve enables the user to exchange columns rapidly. When a column is switched off-line, it is immediately and automatically sealed at both ends. Switching to the bypass line before se-

New Products

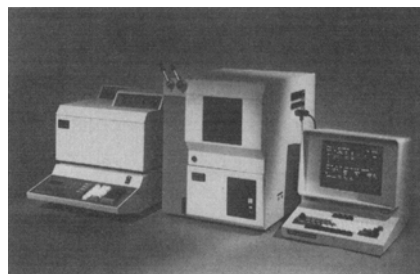
lecting a new column or changing the solvent ensures that no column is ever exposed to a solvent intended for another. Contact: Rheodyne Inc., PO Box 996, Cotati, CA 94928.

MICRO CHROMEGA COLUMNS

ES Industries has added Microbore HPLC columns to its Chromega (TM) line of preparative and analytical HPLC columns and accessories. Micro Chromega columns are available in a range of sizes up to 1 meter in length and packed with a variety of Chromega HPLC packings. They are designed to provide high sensitivity while reducing the amount of sample required and mobile phase consumed. Contact: ES Industries, 8 S. Maple Ave., Marlton, NJ 08053.

CAPILLARY BUTT CONNECTOR

Supelco's new capillary butt connector is designed to permit column installation in a mass spectrometer without loss of vacuum from having to route columns into the source. The butt connector consists of a double-ended ferrule and a stainless steel compression housing with a threaded cap. A gas-tight seal is provided within the ferrule. Contact: Supelco Inc., Supelco Park, Bellefonte, PA 16823.



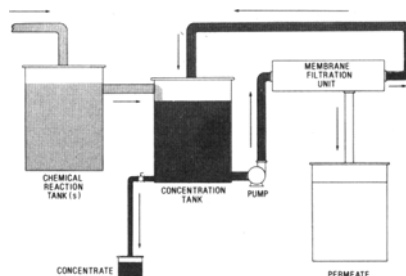
LIQUID CHROMATOGRAPHY

Featuring a quaternary solvent delivery system, Perkin-Elmer's new Series 4 liquid chromatography permits the analyst to choose up to four solvents for simultaneous use. A newly developed pump using a proprietary positive volume proportioning system with pulse compensation provides mixing and flow of the solvent blend. It is designed to do high speed/high resolution HPLC, conventional HPLC, gel permeation or size exclusion chromatography and ion chromatography. Contact: The Perkin-Elmer Corporation, Main Avenue, Mail Station 12, Norwalk, CT 06856.



DU-8B UV/VISIBLE COMPUTING SPECTROPHOTOMETER

Beckman Instruments, Inc. has updated its DU-8 spectrophotometer by adding stray light correction and spectral storage capabilities to its research-grade, single beam spectrophotometer. Called the DU-8B, it is useful in biomedical and industrial research and biotechnology and combines high-accuracy data and final answer calculations. Contact: Beckman Instruments, Inc., Scientific Instruments Div., Box C-19600, Campus Drive at Jamboree Blvd., Irvine, CA 92713.



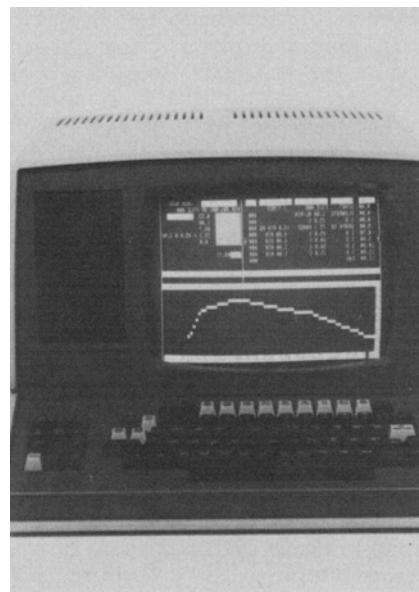
ULTRAFILTRATION SYSTEM

A low pressure, membrane ultrafiltration system custom engineered to separate and concentrate solids from liquids in industrial processing, waste treatment and materials recovery applications is available from Memtek Corporation. The system features a chemically and physically stable, tubular synthetic membrane which separates solids from most fluids regardless of pH or abrasive qualities. The modular Memtek Ultrafiltration System operates at fluxes of 200 to 400 gallons per square foot of membrane per day, and is configured according to customer requirements. Contact: Memtek Corporation, Roy C. Bousman, 42 Cummings Park, Woburn, MA 01801.

FLOWMETERS

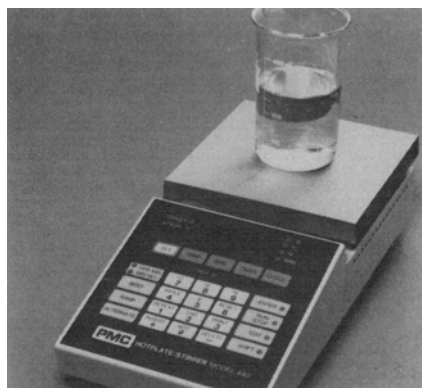
Manostat Corp. announces its new Riteflow flowmeters available in five

sizes and in three styles: plain ends, joints and clear plastic guards with stainless steel threaded ends. All flow tubes are made from heavy-walled, shock-resistant borosilicate glass with permanently fused ceramic scales. Internal rib guides assure accurate reading. Two complete kits with compartmentalized carry/storage cases also are offered. The Aluminum Riteflow Kit has a flow range of 0.03 to 1,787 ml/min water and 2.6 ml/min to 60,780 ml/min air. The Teflon Riteflow Kit has a flow range of 0.03 to 726 ml/min water and 2.6 to 23,270 ml/min air. Both kits include a stand for tube mountings and clamps for rod mounting and a complete cleaning kit to assure accurate flow readings. Contact: Manostat Corp., 519 Eighth Ave., New York, NY 10018.



MICROCOMPUTER HPLC PROGRAMMER

A new microcomputer-based gradient controller for HPLC has been introduced by Axxiom Chromatography and Cole Scientific. Features of the dual Z-80 based Model 711 include HPLC system control, built-in 5¼" floppy disk drive for unlimited file storage and capabilities to be used as a microcomputer. Model 711 controls up to three pumps, and can be used to upgrade HPLC systems from Altex, Beckman, Waters, LCD and Kontron. Contact: Cole Scientific, 23966 Craftsman Road, Calabasas, CA 91302.



DATAPLATE HOTPLATE-STIRRER

Markson Science Inc. introduces its Dataplate Hotplate-Stirrer, a microprocessor-based unit. The Dataplate allows the design, storage and instant recall of up to nine programs with as many as 100 steps each for stir speed, heat, time and alarms, using a touch panel. The Dataplate operates up to 400 C, 750 F or 673 K at stirring speeds from 100 to 1750 rpm. When hazardous substances are involved, the control and hotplate/stirrer units can be separated for remote operation. Contact: Markson Science, Inc., PO Box 767, Del Mar, CA 92014.

NEW PRODUCT LITERATURE

Centrifugal Sifters from KEK, a brochure describing and illustrating the technology of centrifugal sifting, is available from KEK Inc., 130 Wharton Rd., Bristol, PA 19007... A new color catalog covering Sartorius top-loading and analytical balances has been released by Brinkmann Instruments, Cantiague Rd., Westbury, NY 11590... The 1982 edition of **Wilks Infrared Spectroscopy Accessories Catalog** is free from Analabs, A Unit of Foxboro Analytical, 80 Republic Dr., North Haven, CT 06473... A new brochure from Kratos Analytical Instruments, 24 Booker St., Westwood, NJ 07675, describes the company's new Spectroflow 769 Variable Wavelength Detector for HPLC... The winter 1982 issue of **Prismatics**, a quarterly newsletter published by Applied Color Systems Inc., PO Box 5800, Princeton, NY 08540, contains information of interest to ink manufacturers and printers... P.J. Cobert Associates Inc., PO Box 12711, St. Louis, MO 63141, has just released

a 96-page catalog featuring their line of gas and liquid chromatography systems, accessories and supplies... A free copy of the **MCB Reagents Drying Agent Wall Chart** may be requested from the Marketing Dept., EM Science, Industrial Products, 480 Democrat Rd., Gibbstown, NJ 08027... **Spex Speaker** details applications of fluorescence spectroscopy in chemistry and biochemistry, and is free from Spex Industries Inc., PO Box 798, Metuchen, NJ 08840... Edlon's line of TFE pipe accessories for the chemical processing industry are portrayed in a brochure available from Frank May, Edlon Products, Kennecott Corp., 6 Pheasant Run, Newton, PA 18940... **The Science and Technology of Appearance Measurement**, which introduces basic concepts of appearance measurement science and technology, may be ordered from Hunter Associates Laboratory Inc., 11495 Sunset Hills Rd., Reston, VA 22090... Resistoflex Corp., Woodland Rd., Roseland, NJ 07068, has released a 36-page manual on its products for lined piping systems titled **Design and Layout Manual for Corrosion Resistant Plastic Lined Piping Systems**... Perkin-Elmer Corp., Main Ave., Mail Station 12, Norwalk, CT 06856, offers an illustrated, 20-page brochure, **The Graphite Furnace Atomic Absorption Technique**, describing its graphite furnaces and accessories for atomic absorption and sample analyses... **Bulletin 390 A** from Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219, highlights the K-F Titrimeter System... The capabilities of a 500-gallon reactor and a 30" x 50'-column batch still, part of a computer-controlled pilot plant, are described in a brochure from Sun Tech Inc., a subsidiary of Sun Co. Inc., 100 Matsonford Rd., Radnor, PA 19087... Geo. Pfau's Sons Company, Inc., P.O. Box 7, Jeffersonville, IN, offers a brochure on the production, characteristics and uses of industrial animal oils... **Publication 863 ETA**, describing the full line of Whatman cellulose, glass microfiber and silica extraction thimbles is offered by Whatman Paper Division, 9 Bridewell Place, Clifton, NJ 07014... Borer Chemie's latest brochure on its comprehensive range of 15 different detergents and cleansing agents for the laboratory and plant is

available from Atomergic Chemetals Corp., 100 Fairchild Ave., Plainview, NY 11803... Spex Industries Inc., 3880 Park Ave., Metuchen, NJ 08840, has published a new handbook-catalog of homogenous and heterogenous catalysts, complete with extensive application references and classifications... Labconco Corporation, 8811 Prospect, Kansas City, MO 64132, is offering a brochure on the new Labconco Laboratory SteamWasher... A 20-page bulletin describing CVC Products' complete line of high vacuum accessories can be obtained from Product Marketing, CVC Products Inc., 525 Lee Rd., P.O. Box 1886, Rochester, NY... A new Series B-285 heavy-duty butterfly valve pressure rated to 285 PSI is covered in a brochure published by the Center Line Unit of Mark Controls Corp., 1007 E. Admiral Blvd., P.O. Box 3477, Tulsa, OK 74101... A 32-page handbook, **Moyno RKL Pinch Type Control Valve Sizing Handbook**, is designed to eliminate sizing calculation guesswork with a lab-tested, field-proven "2-formula" sizing method. It is available from Robbins & Myers Inc., P.O. Box 276, Lumberton, NJ 08048... Available from AFL Industries, 3661 W. Blue Heron Blvd., Riviera Beach, FL 33404, is a new problem solver chart for industrial wastewaters. The problem solver offers step by step engineering solutions to industrial wastewater problems... A 48-page catalog, **Chemical Testing Solutions**, lists hundreds of stock items, from pH reference buffers, standard acid indicators and atomic absorption standards. It is published by the Ricca Chemical Company, P.O. Box 13090, Arlington, TX 76013... The new ARCOTROL treatment program for corrosion control in condensate return lines specifically formulated to solve corrosion in power utility, manufacturing chemical, metals, paper and food processing plants, is described in a brochure available from Arco Performance Chemicals, Inc., 1500 Market Street, Philadelphia, PA 19101... Unichema International has published two new comprehensive product summaries, one for industrial chemicals, the other for fatty acids and glycerines. Copies are available from: Publicity Department (426), Unichema International, PO Box 2, 2800 AA Gouda, The Netherlands.