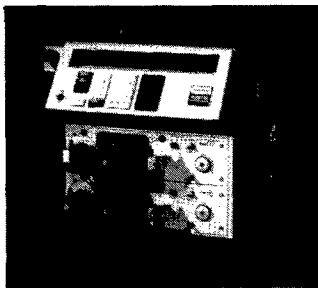


# New Products



• Perkin-Elmer's Series 3B Liquid Chromatograph is a dual pump microprocessor-controlled solvent delivery module. The unit offers computer-oriented linkage to data manipulation and reduction apparatus, thereby aiding automated methods processing. It permits continually refining of analytical conditions by providing virtually unlimited gradient capabilities, using five segments, each with a variety of concave, convex or linear solvent programs. Details: Perkin-Elmer Corp., Main Avenue, Mail Station 12, Norwalk, CT 06856.

• Whatman Inc. now offers modified Partisil Magnum 9 preparative columns for HPLC. The columns are available with any Partisil 10  $\mu\text{m}$  packing material, permitting preparative scale separations on silica gel,  $\text{C}_{18}$  reversed-phase, amino-cyano, anion exchange and cation exchange media. Details: Whatman Inc., 9 Bridewell Place, Clifton, NJ 07014.

• Lab Line Instruments Inc. has introduced its Multi-Magne-Mix laboratory stirrers for flock testing or general purpose laboratory mixing. The unit will accommodate six jars or beakers of all sizes up to one gallon. Options include dual drive to regulate stirrers in sets of three and water bath for temperature-controlled settings. Details: Lab-Line Instruments Inc., Lab-Line Plaza, Melrose Park, IL 60160.

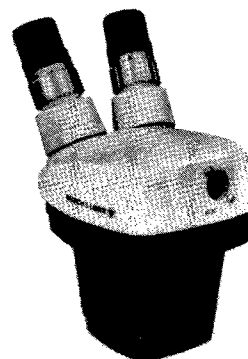


• Perkin-Elmer's Model HGA-400 Heated Graphite Furnace for atomic absorption spectroscopy is programmable through a built-in microcomputer. The working program may consist of up to eight steps. The instrument permits temperature increased from ambient to 3000 C displayed to the nearest 10 C in either ramp or step increases. Information: Perkin-Elmer Corp., Instrument Division, Main Avenue, Mail Station 12, Norwalk, CT 06856.

• Whatman also is producing precoated TLC plates for high performance thin layer chromatography which the firm says provide the speed and resolution of conventional HPTLC plates without a need for delicate and expensive apparatus. The Type LHP-K plates are used with conventional techniques and apparatus used for preadsorbent TLC

and are designed for separation of nanogram and picogram quantities. Details: Whatman Inc., 9 Bridewell Place, Clifton, NJ 07014.

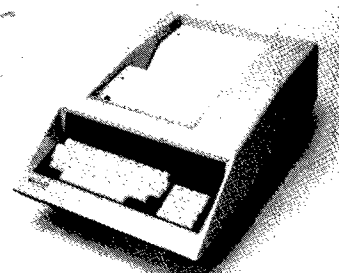
• ES Industries has developed an HPLC column using a monolayer-bonded, heavy loaded  $\text{C}_{18}$  material excellent chromatographic properties. The Chromegabond MC-18 column is the only 10K reverse phase column available, the firm says. Details: ES Industries, 8 S. Maple Ave., Marlton, NJ 08053.



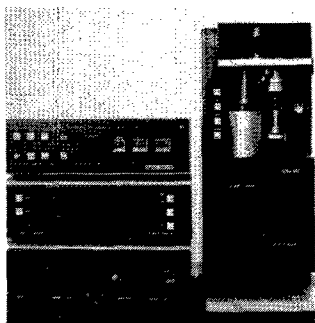
• Bausch & Lomb 4X Stereo Pod is an economy model stereo microscope for examining multilayer objects and highly reflective surfaces. The unit, with self-contained illuminator, is for uses when zoom function is not required. Details: Bausch & Lomb, PO Box 450, Rochester, NY 14602.

• Dow Chemical has produced a brochure describing the firm's Downtherm synthetic aromatic heat transfer fluids, for systems operating temperatures up to 750 F. Copies: Functional Products & Systems Dept., Dow Chemical USA, Midland, MI 48640.

• Supelco Inc. has published its 1979 Chromatography Catalog that includes a 24-page applications section containing information on gas chromatographic analysis. Information: Supelco Inc., Supelco Park, Bellefonte, PA 16823.



• Spectra-Physics has introduced its SP 4100 single-channel computing integrator designed primarily for use with gas or liquid chromatography. The device is microprocessor-controlled with full alphanumeric keyboard (LED display) and a printer/plotter. Users may modify existing data reduction methods, format reports, or develop other custom applications. Details: Spectra-Physics, 2905 Stender Way, Santa Clara, CA 95051.



- Stanton Recroft of England has introduced its TG/STA 780 simultaneous thermogravimetric differential thermal analyzer that uses an electronic microbalance. Associated units include a programmer to control the heating rate and a solid state d.c. amplifier for coupling to a potentiometric record. Details: Stanton Recroft (division of Oertling Ltd.), Copper Mill Lane, London SW17 0BN England.

- CVC's Centrifugal Molecular Still distills monoglycerides in a greater than 92% concentration. The still operates at between 1 and 700 microns pressure allowing distillation to proceed at the lowest possible temperatures. Capacity ranges from 2 pounds per hour to 2,000 pounds per hour. Details: CVC Products Inc., 525 Lee Rd., PO Box 1886, Rochester, NY 14603.

- Diamond Shamrock says its new products, Rejuvenate and Rejuvenate Plus, can help reclaim out-of-service industries garments. Rejuvenate is an oxygenated bleach-detergent, while Rejuvenate Plus is a proprietary solvent. The substances are for use in industrial dry cleaning market and only on garments that tolerate aqueous systems. Details: Diamond Shamrock Textile Care Dept., 1100 Superior Ave., Cleveland, OH 44114.

- Ben-Art Products is producing a polypropylene-based writing paper, Plaspyrus, that is inert to water and chemical spills. The paper is available in blank sheets with or without binder holes and in small or large notebooks, or with a green grid. Information: Bel-Art Products, Pequannock, NJ 07440.



- Beckman's Microlab 620 MX computing infrared spectrophotometer provides qualitative and quantitative analysis at reduced costs, the firm says. The instrument provides analytical capability of a microcomputer, floppy disk data storage center with program and interconnected software systems. Spectra are provided on a strip chart recorder while an integral printer provides program parameters and lists peaks. Details: Beckman Instruments Inc., Scientific Instruments Division, PO Box C-19600, Campus Drive at Jamboree Boulevard, Irvine, CA 92713.

- Integrated Software Systems Corp. is offering two new versions of its computer graphics software that include option of contouring and business graphics. The contour option permits 3-D perspective viewing of surfaces. The business option permits data display in a wide range of charts and annotations. Details: Integrated Software Systems Corp., 4186 Sorrento Valley Blvd., San Diego, CA 92121.

- Beckman Instruments describes its new Microtox system as the first commercially available instrument for measuring acute water toxicity, using luminescent bacteria to determine water toxicity in an assay that is simple, reliable and reproducible. The special strain of luminescent bacteria used emits light as a normal metabolic product; the instrument detects the change if light emission is altered. Details: Beckman Instruments Inc., 2500 Harbor Blvd. Box 3100, Fullerton, CA 92634.

- Bascom-Turner Instruments has added a Model 8120 to its Series 8000 high speed data recorders. The new model is an eight-channel, high-speed, microprocessor-based recorder for simultaneous multi-channel data acquisition, storage and processing. Data can be displayed in x-y plot, strip chart or digital format. Details: Bascom-Turner Instruments, 111 Chapel St., Newton, MA 02158.

- Sulzer's new mixing units aid removal of undesirable by-products from organic products by reducing the need for intensive contact in removal processes. The static mixing units produce dispersions with uniform drop sizes, simplifying subsequent separation. Details: Sulzer, Aktiengesellschaft, CH-8401, Winterthur, Switzerland.

- Container Corporation of America's new semirectangular Delex/5 plastic five-gallon containers require less than a cubic foot of space, permitting storage of more product in a given space than with conventional round containers. Containers are made of high molecular weight, high density virgin polyethylene, and are authorized for hazardous material shipments in all modes of transportation. Information: Container Corporation of America, One First National Plaza, Chicago, IL 60603.

- Bachmann's Heater Malfunction Alarm continuously monitors electrical heating elements in any system containing one or more parallel circuits—single or three phase. The device has an internal checking system as well as a manual test. Details: Bachmann Industries Inc., 3820 Catalina St., PO Box 618, Los Alamitos, CA 90720.

- Liquid Level Lectronics is offering an electric interface level alarm that can sound alarms, operate control equipment, or perform some other desired electrical control function. The L471-03 operates when the upper fluid has a specific gravity of less than .870 and the lower fluid specific gravity exceeds .970. Details: Liquid Level Lectronics Inc., PO Drawer 788, Porter, TX 77365.

- Luwa Corporation's new Blendrex motionless mixer is designed to mix low as well as high viscosity products while maintaining minimum pressure drop requirements. The mixer has alternating right- and left-hand elements linked by a specifically designed dispersing lug that eliminates center channeling. Details: Luwa Corp., PO Box 16348, Charlotte, NC 28216. ●