

# New Products



- The Komline-Sanderson Engineering Corporation has developed the ZR-11 Zeta-Reader for measurement and control of the electrical charge on a solid particle in a liquid suspension (zeta potential). This model can be used on a batch basis or directly in continuous sampling, Komline-Sanderson says. A recorder and controller for continuous semi-automatic process control are optional. Details: Eric Ianneli, Komline-Sanderson Engineering Corp., Peapack, NJ (tele: 201-234-1000).

- The Lawrence Pump and Engine Series A-2 High Temperature Canned Rotor Pumps are designed to handle toxic, volatile and carcinogenic fluids, including slurries. These pumps are reported to handle up to 1000 F fluids at rates from 3 to 1500 gallons per minute (gpm). Information: Lawrence Pump and Engine Co., Peter Clark, Sales Manager, 300 Canal St., Lawrence, MA 01842.

- The Acton II is a high density pneumatic conveying system with low energy requirements for conveying fine cohesive powders and friable materials without degradation, says the Aerodyne Development Corporation. This system is built to achieve product-to-air ratios of 80-to-1 over distances up to 800 feet at less than 50 psig. Details: Aerodyne Development Corp., 29085 Solon Rd., Cleveland, OH 44139.

- Foxboro introduces the Balsbaugh Electrodeless System, a monitor for measurement and control without polarization. The sensor is coupled by a pair of toroidal transformer coils, eliminating the solution-electrode interface. Information: Foxboro Analytical, South Norwalk, CT 06856.

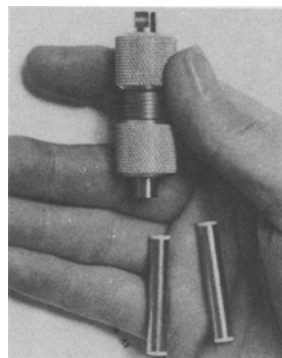


- Manostat announces the Varistaltic Dispenser Pump 2, a controlled speed pump designed to prevent fluid contamination. It features peristaltic pump, time control, on/off switch and mode selector switch in one unit. Further information: Manostat Corporation, 519 Eighth Ave., New York, NY 10018.

- A line of high temperature stainless steel baths has been developed by Science/Electronics, Inc. Called the GE series, the equipment offers solid state sensing and control for operation up to 140 C and sensitivity and uniformity of 0.05 C and 0.015 C, S/E says. Details: Science/Electronics, Inc., 1224-26 McCook Ave., Dayton, OH 45404.

- Rosedowns introduces the semi-continuous deodorizer with internal thermosyphon heat recovery. The unit has a double shell built to conserve heat and prevent air contact with the oil during processing. Information: Simon-Rosedowns Ltd., Cannon Street, Hull, England.

- Hot air sterilizer ovens featuring full automatic cycling and absolute filtration systems have been developed by Gruenberg Oven Company, Inc. The Gruenberg sterilizer has a one-pass airflow system which prevents cross-contamination; air ducts and other internal baffles may be removed for cleaning. Details: Gruenberg Oven Company, Inc., 2121 Reach Rd., Williamsport, PA 17701.



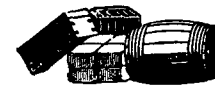
- Rheodyne is marketing a disposable HPLC guard column using cartridges made of highly porous packing material. The cartridges are 3 cm long and operate at pressures up to 7,000, Rheodyne says. Details: Rheodyne, Inc, 2809 Tenth St., Berkeley, CA 94710.

- The mRoy TD metering pump is a low capacity unit designed to inject highly viscous water and waste water treatment chemicals, as well as abrasive fuel oil additives. The tubular diaphragm liquid end permits straight-through flow passage reducing friction loss and isolating the process fluid, Milton Roy says. Contact: Milton Roy Company, 201 Ivyland Rd., Ivyland, PA 18974.

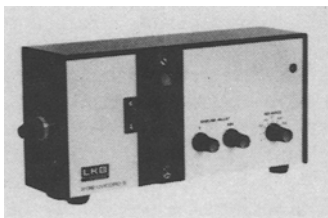
- Rochester Pump & Machine has developed eight hydraulically operated plunger pumps available with discharge pressures of up to 300 psig and flows of up to 400 gpm. The company reports efficiencies of 80-95% over the entire operating range. Information: Rochester Pump & Machine Inc., 185 Forest Hills, Rochester, NY 14625.



- Beckman Instruments, Inc. offers three Selection Analyzers featuring more than 20 electrodes, plus related supplies and reagents. Each instrument is designed to



measure specific ions to fractional milligrams per liter concentrations. Contact: Beckman Instruments, Inc., Scientific Instruments Division, Box C-19600, Campus Drive at Jamboree Blvd., Irvine, CA 92713.



- The Uvicord S UV monitor for HPLC is now available from LKB Instruments, Inc. This unit is designed to monitor at 206 nm wavelengths using an RF-excited gas discharge lamp, and to give equally successful results at 254 and 280 nm. Information: LKB Instruments, Inc., 12221 Parklawn Dr., Rockville, MD 208521.

- TAT Engineering Corporation's Model 610-2 DC tubing pump is equipped with 6, 12, 24, or 32 volt motors that are within the capacity of most electrical systems. Tubing compounds are available to handle most laboratory and industrial chemicals and to meet food, beverage and pharmaceutical standards. Contact: R.E. Thompson, TAT Engineering Corporation, 300 Shaw Drive, North Branford, CT 06471.

- Two additions have been added to Tri-Continent Scientific's Millimatic Concept: the 3 ml Millimatic Dispenser and the 3 ml Millimatic Diluter. The combination of 12 major scale positions and 5 Vernier scale positions offers 60 precalibrated volume settings with 50 microliter resolution. Details: Tri-Continent Scientific, Inc., 12541 Loma Rica Dr., Grass Valley, CA 95945.

- Markson Science, Incorporated announces the Stir-Jack, a device for stirring or heating at any height and for precise positioning with laboratory glassware setups. The speed control is solid state, and thermostatic control provides heat consistency to 700 F, Markson reports. Top stirring speed is 1500 rpm. Contact: Cindy Johnson, Markson Science, Inc., Box 767, Del Mar, CA 92014.

- Corning Science Products' Model 3D pH meter is a digital, hand-held unit covering the 0 to 14 range. Corning claims resolution within  $\pm 0.01$  pH and accuracy within  $\pm 0.02$  pH for this meter. Data: Corning Science Products, Corning Glass Works, Corning, NY 14830.

- Teledyne Analytical Instruments is marketing a multichannel oxygen system for determining the concentration of oxygen at remote locations to protect processes and chemicals against air contamination. The sensor is specific to oxygen and output is linear from the low ppm level through 100% oxygen, according to Teledyne. Details: Victor Black, Teledyne Analytical Instruments, 333 West Mission Dr., San Gabriel, CA 91776.

- Interactive Elements, Inc. is manufacturing the CODA, a chemical on-line data analyzer. This system is built to capture data from up to 16 instruments and process it using FORTRAN programs. Contact: Interactive Elements Incorporated, 76 Beaver St., New York, NY 10005.

- Chrompack U.S.A., Inc. is marketing stainless steel and nickel gas chromatograph columns designed to fit almost all gas chromatographs. Both types of stock columns are six feet long and have outside diameters of 1/8". Typical plate numbers are 3500 to 4500. Details: Ben Apon, Chrompack U.S.A., Inc., PO Box 4131, Whittier, CA 90607.

- The Stepan Chemical Company has developed a Fact File covering CTFA nomenclature, per cent active, solubility, physical appearance, applications and properties of approximately 48 specific products. To obtain a Fact File, write Stepan Chemical Company, Surfactant Department, Edens & Winnetka, Northfield, IL 60093.

- Columbia Scientific Industries Corporation's Model 740 Compact Materials Analyzer is a portable instrument built to give direct concentration readouts of up to 32 elements in one measurement. The element range includes atomic numbers 13 through 92, and testing is nondestructive, according to CSI. Details: Lou Culpetter, Columbia Scientific Industries Corporation, PO Box 9908, Austin, TX 78766.

- The MTL370 is a British-made, self-resetting lightning protection unit for electronic process control, telemetry, radio and computing systems. It can also validate the barrier certification when voltages in excess of 250V r.m.s. are present in safe-area equipment such as oscilloscopes or visual display units, according to British Information Services. Contact: Measurement Technology Ltd., Power Court, Luton, Bedfordshire LU1 3JJ England, or Rise of Texas Inc., Box 58908, Houston, TX 77058.

## Obituaries

### John R. Rich

AOCS has received notice of the death of John R. Rich, a member of the Society since 1953, who had retired in 1978 from CPC International Inc. in Englewood Cliffs, NJ. Mr. Rich originally had joined Best Foods Inc. in the late 1930s, serving as a research chemist, margarine superintendent, assistant refinery superintendent, manager for corporate consumer manufacturing and engineering services, and as coordinator of consumer plant operations worldwide.

### Thomas B. Richey, Jr.

AOCS has been informed of the death in April of Thomas B. Richey, Jr., of Westfield, NJ, a member since 1958. Mr. Richey had retired in 1976 as vice president for research at Malstrom Chemicals division of Emery Industries. Mr. Richey received his bachelor of science degree in 1938 and his chemical engineering degree in 1939, both from Columbia University.