

Publications

Powder Surface Area and Porosity, by S. Lowell and J.E. Shields, Chapman & Hall, Methuen Inc., 733 Third Ave., New York, NY 10017, 1984, 248 pp., \$50.

Cosmetic and Drug Preservation: Principles and Practice, Cosmetic Science and Technology Series Vol. 1, edited by Jon J. Kabara, Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1984, 784 pp., \$99.75 U.S. and Canada, \$119.50 elsewhere.

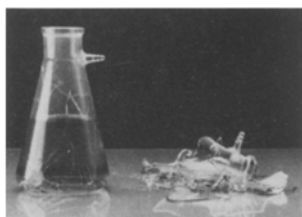
JLR marks anniversary

The Journal of Lipid Research has published a special 25th

anniversary issue that is available for \$16 a copy from the JLR, c/o Federation of American Societies for Experimental Biology, 9650 Rockville Pike, Bethesda, MD 20814.

The 214-page issue includes 28 invited mini-reviews by diverse specialists on developments in lipid research areas during the past 25 years. Review topics include adipose tissue, cholesterol, bile acids, membranes, plant lipid biosynthesis, eicosanoids, plasmalogens, sphingoids, enzymes, lipoproteins and many others. The issue includes a brief article on the history of the journal and another on the "lore of lipids," a review of pre-20th century developments in lipid research.

New Products



LABORATORY GLASSWARE

Safe-Glass laboratory glassware from Markson Science features a thick exterior coating of transparent PVC plastic over chemically inert borosilicate. The plastic coating is designed to keep bottles, test tubes and filter flasks from shattering when subjected to nicks and blows. Glassware holds together to allow time for transferring reagents to another container. Contact: Markson Science, 7815 S. 46th St., Phoenix, AZ 85040.

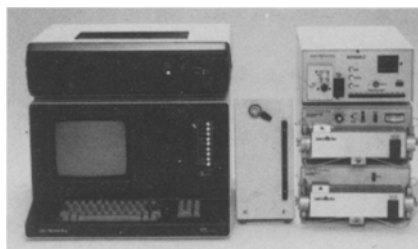
LABORATORY WASHER

Labconco's FlaskScrubber is a laboratory washer specifically designed for hard-to-clean flasks, test tubes, beakers and graduated cylinders. The Flask-Scrubber, a washing and drying unit for narrow-neck glassware, features 36 spindles to hold flasks in place during operation. Spindles can be adjusted to handle different size flasks. The unit offers 27 cycle variations and is available in mobile, freestanding or under-the-counter models. Contact: Labconco Corp., 8811 Prospect, Kansas City, MO 64132.

ROTARY SHUNT METERS

Kent Process Control's rotary shunt meters are designed to measure steam

flow over a wide range of operating conditions. The company claims accuracy of $\pm 2\%$ over the complete flow turndown. A frequency or analog output linear to flow is available to provide input to EMS systems or circular chart recorders. Both Meehanite and Cast Steel versions are offered for maximum working conditions up to 300 psi and 600 F. Contact: Kent Process Control Inc., 165 Fieldcrest Ave., Edison, NJ 08837.

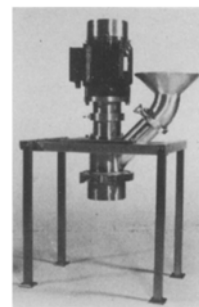


HPLC MODULAR SYSTEMS

LDC/Milton Roy offers a series of modular systems for HPLC. For integration and data reduction, two units are available to offer stand-alone integration or complete system control. In addition, solvent delivery systems range from single piston pumps to pulseless units with a 0.3% precision of the specified flow rate. Detectors available include both filter and continuously variable uv and visible absorbance detectors, filter fluorescence detectors, refractive index detectors, electrical conductivity detectors and amperometric detectors. Contact: LDC/Milton Roy, PO Box 10235, Riviera Beach, FL 33404.

LEAKPROOF PUMP

Kontro offers what it terms is a leak-proof centrifugal pump in full compliance with API-610 6th Edition standards. The Model API Seal/Less magnet drive pumps are available in 26 models to deliver up to 5000 GPM with total dynamic heads to 600 ft. Material classes include S1, S5, S9, C6, D6 and A8. Standard system pressures include 400 psig design (600 psig test) and 600 psig design (900 psig test). Contact: Kontro Co. Inc., 450 W. River St., Orange, MA 01364.



GRINDING MILLS

Quadro's new line of material-size-reduction comminution mills meets GMP, USDA and other standards, and is compatible with autoclave sterilization. The Quadro "COMIL" features a conical screen containing a low rpm impeller for particle reduction, sizing and mixing. Sizes are available to handle 100 to 70,000 pounds per hour (50 to 30,000 kg per hour). Contact: Quadro Inc., 184 Riverdale Ave., River Vale, NJ 07676.

A-C DRIVE

Reliance Electric has designed a general

New Products

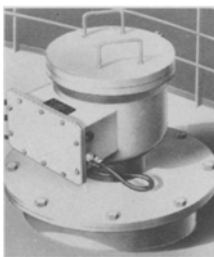
purpose A-C drive for adjustable speed control of ¼ to 5 HP motors. The A-C V*S drive operates as standard over a 20:1 speed range of 3 to 60 Hertz. It is designed to operate three-phase motors on 200/208/220 or 230 VAC using 50/60 HZ single-phase input for 3/4 HP, single-phase or three-phase input for 1 and 2 HP, and three-phase input for 3 and 5 HP. The drive is designed for variable and constant torque loads. Contact: Reliance Electric Marketing Information Ctr., PO Box 99457, Cleveland, OH 44199.

FIRE BLANKET

A fire blanket made of fiberglass cloth impregnated with graphite and Teflon is available from Bel-Art Products. The Fire Cover fire blanket is designed to extinguish small lab and fume hood fires, as well as Class A, light oil and grease fires. The 39" x 43" fire blanket is packaged in a small container which can be hung on the wall or readily stored for easy access. Contact: Bel-Art Products, Pequannock, NJ 07440.

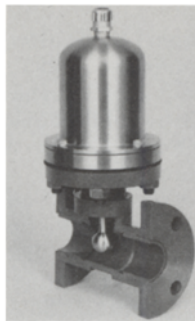
MOISTURE METER

Mitsubishi's KF-05 microprocessor controlled moisture meter displays and prints out moisture levels in gases, liquids and solids over a range of 0.01% (100 ppm) to 100%. Using the Karl Fischer titration method, the meter is designed to automatically titrate to a fixed end point and calculate the concentration according to one of 10 stored formulas. Contact: Larry Talarrico, COSA Instrument Corp., 70 Oak St., Norwood, NJ 07648.



RADAR GAUGING SYSTEM

Saab-Scania of Sweden has developed a radar-based level gauging system especially for tank farms, refineries and chemical industries. The system uses microwaves which are reflected against a liquid surface to measure levels. This eliminates using moving components inside the tanks. The system is designed to provide precise custody transfer and temperature and quantity measurement. Contact: Saab Tank Control, 5 Marineview Plaza, Hoboken, NJ 07030.



INLINE VISCOMETER

Nametre's vibrating sphere viscometer is designed to provide a reference signal for inline control of solid/liquid systems. The company claims reciprocal motion ± 0.1 micron of the sensing element can successfully measure the viscosity of slurries containing 80% solids. Possible applications include process food manufacturing. Contact: Nametre Co., 1778 State Highway #27, Edison, NJ 08817.

MAGNETIC STIRRERS

Single and multi-point electronic magnetic stirrers are offered from Lux Scientific Instrument Corp. The stirrers are hermetically sealed in a chemical-resistant, stainless steel housing. Magnetic power and wattage are adjustable to allow stable rotation of large and small stirring bars. Contact: Lux Scientific Instrument Corp., 519 Eighth Ave., New York, NY 10018.

TANK GAUGE TRANSMITTER

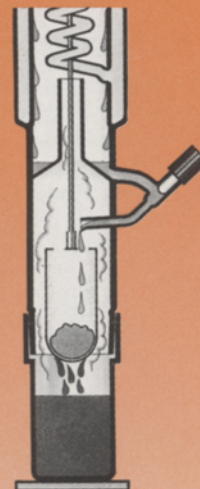
Enraf-Nonius Corp.'s 813 series mechanical gauge encoder/transmitter provides mechanical float driven level gauges with a two-conductor, serial digital output. The transmitter features a high resolution digital optical encoder and a microprocessor controlled gauge processor unit. The shaft encoder has two large diameter high resolution type code discs. The unit uses gear wheels to prevent common jamming or desynchronization. Contact: Enraf-Nonius Corp., 390 Central Ave., Bohemia, NY 11716.

GAS CHROMATOGRAPH

IBM's 9630 gas chromatograph is a microprocessor-controlled separation instrument featuring an optional multi-purpose second column oven to provide simultaneous multiple analysis capabilities. The chromatograph includes an analyzer unit with column oven, multi-detector and injector zones, gas panel and range amplifier. Contact: IBM Instruments Inc., Orchard Park, PO Box 332, Danbury, CT 06810.

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