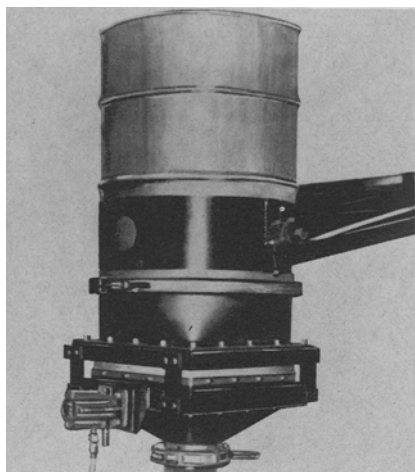


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# New Products

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## DRUM DISCHARGING FEEDER

The "Siletta" drum discharging feeder features an explosion-proof design to safely discharge difficult-to-handle powdery and coarse materials (moist or dry) at controlled flow rates. The feeder, which will fit drums with diameters of any size, requires no maintenance and keeps noise levels below 80 db. Contact: Solids Flow

Control Corp., 4 Fairfield Crescent, West Caldwell, NJ 07006.

## ANDERSON'S "MEGA PRESSES"

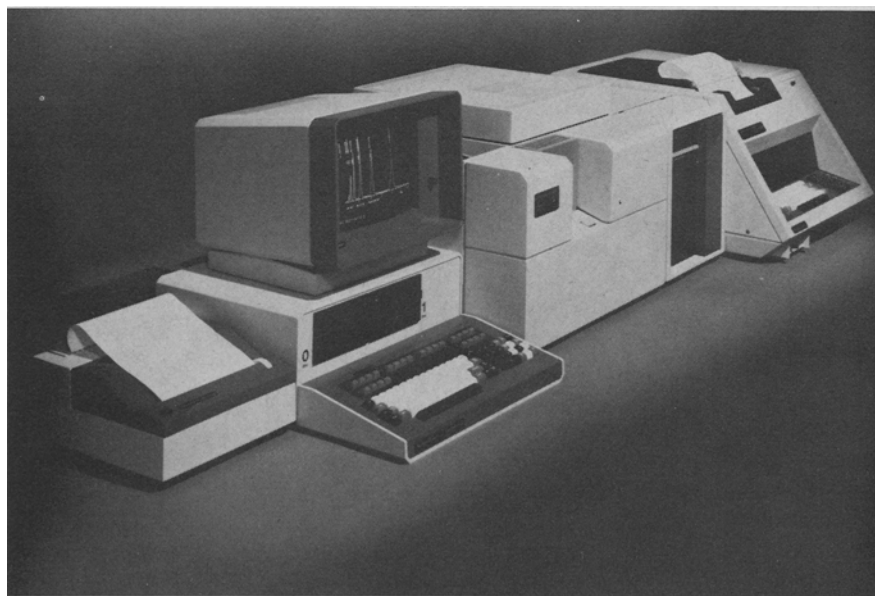
Anderson International Corp. has formally unveiled its Mega Series of expeller presses in new technical literature that became available this year. The Mega 460 has vertical and horizontal pressing shafts and is capable of prepress or full press. Full press capacities range from 65 tons per day for corn germ to 110 tons per day for cottonseed (residual oil content for full press is 7-8% for copra and corn germ, 6-7% for cottonseed, rapeseed/canola, and sunflower); for prepress, capacities range from 180 tons per day for corn germ to 320 tons per day for cottonseed (residual oil content is 18-22% for corn germ, 16-20% for copra, cottonseed and sunflower). The Mega 200, with a horizontal pressing shaft, is for prepress with capacities from 145 tons per day for peanut kernels to 220 tons per day for cottonseed. Anderson says

the Mega presses feature a new computer-optimized main worm shaft, reduced horsepower requirements per ton, and minimal floor space requirements. Contact: Anderson International Corp., 19699 Progress Dr., Strongsville, OH 44136 (tele: 216-238-5800).



## ISOTEMP OVENS

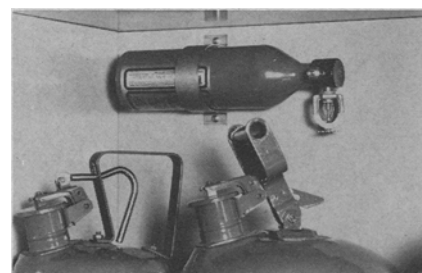
Fisher Scientific has introduced a new line of Isotemp ovens that fit most laboratory applications. The new oven line provides a choice of 10 chamber capacities, three temperature ranges, gravity- or forced-convection airflow and aluminum or stainless steel chambers. Contact: Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219.



## SIGMA 115 GAS CHROMATOGRAPHY SYSTEM

Perkin-Elmer's new Sigma 115 gas chromatography system replaces its Sigma 1B. The Sigma 115 has double the available memory, four times the communications and print speed, ability to replot/reintegrate, choice of cassette or external intelligent mini-disk mass storage, and ability to control a variety of individual peripheral devices. Containing level 2 BASIC

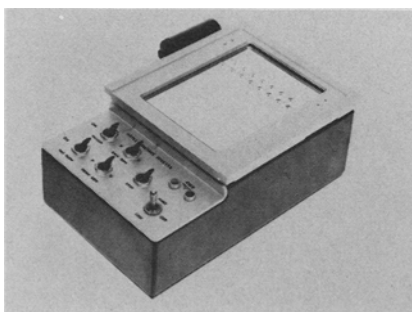
programmability, Sigma 115 allows the analyst to automate analyses and capillary runs. The Sigma 115 offers to the analyst a visual display unit and remote keyboard when grouped with the Model 3600 Data Station and Model 660 Graphics Printer and Chromatography software. Contact: Perkin-Elmer Corp., Main Ave., Mail Station 12, Norwalk, CT 06856.



## TEMPERATURE-ACTUATED FIRE EXTINGUISHER

Justrite Manufacturing Co. has a new temperature-actuated fire extinguisher that mounts either vertically or horizontally inside the upper half of safety cabinets for flammable liquids. The extinguisher automatically discharges 1.5 lb of Halon 1301 whenever fire causes internal temperatures in the safety cabinet to melt a fusible link at 212 F. This Halon 1301 discharge prevents ignition of any of the cabinet's contents regardless of temperature for as long as the Halon concentration is intact. Each unit provides effective coverage for up to 75 ft<sup>3</sup>. Halon 1301 is a colorless, odorless, dry gas that leaves no residue. Contact: Justrite

Manufacturing Co., 2454 Dempster St., Des Plaines, IL 60016.



#### HPTLC CONTACT SPOTTER

Clarke Analytical Systems has introduced a new HPTLC Contact Spotter designed to fill the need for a rapid and reliable sample applicator for quantitative HPTLC. The Contact Spotter produces spot diameters of less than 1 mm from volumes as large as 100  $\mu$ L without syringes or micropipettes. A special nonwetttable film is formed into sample/solvent receptacles where heat and gas flows evaporate the solvent and concentrate the sample, which is then transferred from the film to the absorbent layer using slight gas pressure. Contact: Clarke Analytical Systems, PO Box 744, Sierra Madre, CA 91024.

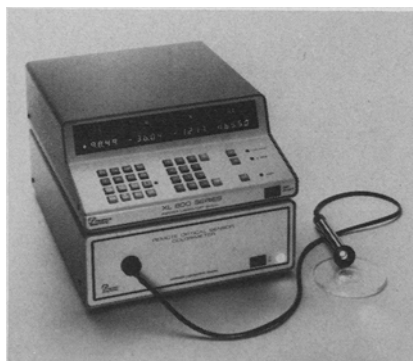
#### STANDARD SOILED CLOTH

Standard Soiled cloths for testing the effectiveness of soaps and detergents under varying conditions of water hardness, temperature and concentration are now available from the United States Testing Company. Used also as a control in determining washing machine efficiency, cloths are cotton, wool, or polyester-cotton blend fabrics impregnated with a special soiling formula. Control of the cloth's reflectance achieves an exact degree of fabric soiling. Contact: United States Testing Co. Inc., Instrument Marketing Div., 1415 Park Ave., Hoboken, NJ 07030.

#### ELECTRICAL DRIVES

Reliance Electric says its new line of transistorized 460-V drives feature greater overall efficiency, lighter weight, smaller size, less maintenance, and versatile mounting compared to standard electric adjustable-speed drives. This new line represents the first A-C drive to bring together 460-V capability with the simplicity and reliability of transistorized design. Unlike earlier controllers, the new drives use a single, high-power transistor for each power switch, which is guarded by redundant protective circuits to prevent high peak currents from reaching the transistors. Contact: Reliance Electric Co., 24703 Euclid

Ave., Cleveland, OH 44117.



#### COLORIMETER SYSTEM

A hand-held remote sensor for direct product measurement, a fiber optic illumination and sensing system providing a 4-mm measurement area, and a control console with digital readout are some of the features of the new colorimeter introduced by Gardner Laboratory Division, Pacific Scientific Co. Designed to measure extremely small areas, the colorimeter's sensor head consists of a flexible fiber optic cable which terminates into a pen-like sensing probe enabling remote measurement and flexibility of movement. Contact: Gardner Laboratory Div., Pacific Scientific Co., Bethesda, MD 20014.

#### VOLUMETRIC DRY MATERIAL FEEDER

Clow Corp. has introduced a volumetric dry material feeder suitable for feeding dry powders, granules, flakes and pellets accurately at plus or minus 2%. Model J-100, a heavy-duty, compact unit, is designed for such industrial applications as chemical manufacturing, refining, steel manufacturing, mining, and water and wastewater treatment. Contact: David A. Eddy, Waste Treatment Div., Clow Corp., PO Box 68, Florence, KY 41042.

#### NEW PRODUCT LITERATURE

"Improving Reliability and Efficiency of Extrusion Systems" is the title of a recent issue of *Polymer Processing News*, available from Werner & Pfleiderer Corp., 663 E. Crescent Ave., Ramsey, NJ 07446. . . . A brochure from Hewlett Packard Co., 1820 Embarcadero Rd., Palo Alto, CA 94303, describes the use of an automatic sampler with the Model HP-8450A spectrophotometer. . . . The first seven in a series of *Technical Services Reports* detailing the properties, functions and applications of Inolex Surfactants are available from Inolex Chemicals, 4221 S. Western Blvd., Chicago, IL 60609. . . . A bulletin introducing the digital, hand-held Fisher Accumet Model 640 pH/mV/

temperature Mini-Meter is available from Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219. . . . SpectraMetrics Inc., 204 Andover St., Andover, MA 01810, offers a series of pamphlets presenting applications of its plasma emission spectrometers. . . . The recommended refractories for use in various chemical environments appear in *Chemical Resistance of Carborundum Refractories*, available from the Carborundum Co., Refractories Div., PO Box 337, Niagara Falls, NY 14302. . . . *Bulletin 625* from Fisher Scientific, 711 Forbes Ave., Pittsburgh, PA 15219, describes methyl tert-butyl ether (MTBE), a less hazardous substitute for ethyl ether in most analyses, especially extractions. . . . Triple/S Dynamics, 1031 S. Haskell Ave., Dallas, TX 75223, offers a 13-page catalog illustrating its inclined and horizontal vibrating screens. . . . A brochure highlighting the Fluorolog 2 spectrofluorometer may be requested from Spex Industries Inc., PO Box 798, Metuchen, NJ 08840. . . . *Goulds Dynamic Seal for ANSI Process Pumps*, by Goulds Pumps Inc., 240 Fall St., Seneca Falls, NY 13148, outlines the firm's new Dynamic Seal pumps designed for chemical and other industries. . . . A brochure from Rheodyne Inc., PO Box 996, Cotati, CA 94928, features 65 high-performance LC columns for separations by reversed-phase, adsorption, polar phase, ion exchange and size exclusion techniques. . . . Specification sheets on three tall oil fatty acid products and tall oil rosins are available from Georgia-Pacific, 900 SW Fifth Ave., Portland, OR 97204. . . . *Bulletin 7388* describing the Model 165 variable wavelength UV-vis detector may be requested from Beckman Instruments Inc., Scientific Instruments Div., 1716 Fourth St., Berkeley, CA 94710. □