

Publications

Advances in Thin Layer Chromatography: Clinical & Environmental Applications, edited by Joseph C. Touchstone, Wiley-Interscience, John Wiley & Sons Inc., 605 Third Ave., New York, NY 10158, 1982, 521 pp., \$55.

1982 Annual Book of ASTM Standards, Parts 41 and 42, ASTM, 1916 Race St., Philadelphia, PA 19103, 1982. Part 41 — 194 standards covering general nonmetal test methods, statistical methods, space simulation, particle size measurement, laboratory apparatus, resource recovery, solar energy, compatibility and sensitivity of materials in oxygen enriched atmospheres and metric practice, 1584 pp., \$64. Part 42 — 93 standards covering emission, molecular and mass spectroscopy, chromatography, resinography, microscopy, computerized systems and surface analysis, 788 pp., \$36.

Lipid Analysis, 2nd Edition: Isolation, Separation, Identification, and Structural Analysis of Lipids, by William W. Christie, Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, 1982, 207 pp., \$18 softcover, \$50 hardcover.

Amphoteric Surfactants, Surfactant Science Series Vol. 12, edited by Bernard R. Bluestein and Clifford L. Hilton, Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1982, 343 pp., \$55.

Two reports in French, with easy to understand tables, are available from the Institut National de la Recherche Agronomique, Laboratoire de Recherches et d'Etudes sur l'Economie des Industries Agricoles et Alimentaires, 3, rue du Caducée — B.P. 333, 94153 Rungis Cedex, France. **Les huiles végétales alimentaires — Marchés et produits 1980**, 70 pp., for 120 francs, covers the French, EEC and world markets of edible vegetable oils. **Tourteaux et autres matières riches en protéines**, 86 pp., for 150 francs, focusses on the French, EEC and world markets of high protein feeds, including oilseed meals and fishmeal.

Preparation, Properties and Industrial Applications of Organofluorine Compounds, edited by R.E. Banks, Halsted

Press, John Wiley & Sons Inc., 605 Third Ave., New York, NY 10158, 352 pp., 1982, \$84.95.

Methane: Fuel for the Future, edited by Patrick McGeer and Enoch Durbin, Plenum Press, Plenum Publishing Corp., 233 Spring St., New York, NY 10013, 334 pp., 1982, \$42.50. Proceedings of a world conference held during September 1981 in Vancouver, British Columbia.

Thermodynamics of Polymer Solutions, by Michio Kurata, MMI Press Polymer Monograph Series Vol. 1, Harwood Academic Publishers, PO Box 786, Cooper Station, New York, NY 10276, 1982, 294 pp., \$94.

Polymer Compatibility and Incompatibility: Principles and Practices, edited by Karel Šolc, MMI Press Polymer Monograph Series Vol. 2, Harwood Academic Publishers, PO Box 786, Cooper Station, New York, NY 10276, 1982, 464 pp., \$97.50.

Methods for Emission Spectrochemical Analysis, 7th Edition, sponsored by ASTM Committee E-2 on Emission Spectroscopy, ASTM, 1916 Race St., Philadelphia, PA 19103, 1982, 1114 pp., soft cover, \$49, 20% discount for ASTM members.

Liquid Filtration Catalog, The McIlvaine Company, 2970 Maria Ave., Northbrook, IL 60062, 1982, three sections in two large three-ring binders, \$95. Information on European and North American liquid filtration industry.

Flow Measurement Engineering Handbook, by R.W. Miller, McGraw-Hill Book Company, 1221 Avenue of the Americas, New York, NY 10020, 1983, 960 pp., \$59.95.

Food Process Engineering, edited by Henry G. Schwartzberg, Daryl Lund and John L. Bomben, American Institute of Chemical Engineers, 345 East 47 St., New York, NY 10017, 1982, 191 pp., soft cover, \$40, \$20 for AIChE members. Book is based on technical sessions held at AIChE 1979 and 1980 national meetings.

Sources and Production Economics of Chemical Products, 3rd Edition, Chemical Engineering, McGraw-Hill, 1221 Avenue of the Americas, New York, NY 10020, 1983, 325 pp., \$345.

New Products

DRUM VENT

Justrite Manufacturing Company has a new stainless steel drum vent Model 8-306 which provides pressure relief to protect drums of corrosive flammable liquids against explosive overpressure. A spring-operated valve opens within 5 psi whenever internal drum pressure builds to that level. In the event of fire exposure to the drum,

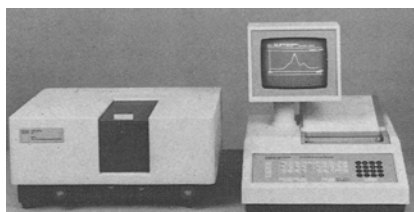
a fusible, blow-out plug melts at 160 F to provide emergency venting and prevent drum rupture. Ignition sources are prevented from reaching drum contents by a built-in flame arrester screen. The vent installs in a 2-inch NPS bung opening at the end of a horizontally stored drum. Contact: Justrite Manufacturing Co., 2454 Dempster St., Des Plaines, IL 60016.

OXYGEN ANALYZER

A compact, panel-mounted digital oxygen analyzer, from Neutronics Inc., monitors, analyzes and provides alarm contacts and a controlling output signal for a variety of process analysis and safety applications. The electrochemical oxygen sensor measures the absolute percent of oxygen by volume without interference from

New Products

many background gases including carbon dioxide. Oxygen is measured in the 0-35% range with a 0.1% resolution. Part per million ranges with 1 ppm readability are also available. Users can set high and low alarm trip levels with the analyzer's pair of three digit thumbwheel switches. Contact: Neutronics Inc., 450 Drew Court, King of Prussia, PA 19406.



SPECTROPHOTOMETER

IBM Instruments Inc., a subsidiary of IBM Corp., has announced its 9400 series UV/visible spectrophotometers. Microprocessor controlled, the spectrophotometers combine high throughput and double beam optics with an easy-to-use operator console. The optical system includes holographically ruled gratings and high sensitivity photomultipliers to produce a spectral range from 195 to 900 nm. The spectrophotometers have automatic baseline correction and extensive self-diagnostics built into the microprocessor. Contact: IBM Instruments Inc., Orchard Park, PO Box 332, Danbury, CT 06810.

ULTRA GRADE GLYCERINE

Emery Industries has introduced 918 Ultra Glycerine, a CP/USP grade of natural glycerine. This glycerine has a purity of 99.7%, equaling the highest levels of purity in synthetic glycerines. It has applications as a solvent and solubilizer in the food and beverage industry, in pharmaceutical manufacturing and in the manufacturing of food grade emulsifiers, creams, toothpastes and cough medicines. It can also be used for preparing critical polyether polyols for flexible polyurethane resin applications. Contact: Emery Industries, Dept. P, Carew Tower, Cincinnati, OH 45202.

MODULAR TEST TUBE RACK

Bel-Art Products has designed a versatile modular test tube rack that can be used individually or interlocked to other racks. Each has 12 holes for

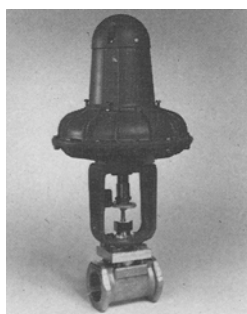
tubes of 18 mm in diameter, a top deck and a lower deck with closed wells for tube ends. A tubular mount in the top deck is designed to hold a plunger-operated pipette. The polypropylene molded rack is steam autoclavable at 250 F. Contact: Bel-Art Products, Pequannock, NJ 07440.

AEROSOL DUSTER

Fisher Scientific Co.'s Fisherbrand phfft Aerosol Duster is designed to clean balances, electronic equipment, camera lenses, microscopes, typewriters as well as desks and benchtops. Safe for all plastics, phfft comes in 18 ounce cans, available by the can or in cases of 12 cans. Contact: Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219.

BASKET CENTRIFUGE

A USDA approved clean-in-place centrifuge has been introduced by Western States Machine Company for the food processing industry. The 16-ton stainless steel unit has a 48-by 30-inch perforated basket with 16 cubic foot capacity. The unit includes a 50 HP drive motor providing basket speed up to 1150 rpm, capable of exerting centrifugal force equivalent to 900 G. Contact: Western States Machine Co., 1798 Fairgrove Ave., Hamilton, OH 45012.



GENERAL PURPOSE VALVE

The Foxboro Company has added a stainless-steel, globe valve V1700 for general-purpose liquid, gas and steam use to its line of control valves. The valve has lightweight construction and is available with either NPT threaded end connections or with serrated raised faces that fit between ANSI Class 150 and 300 flanges. Contact: D.L. Fowler, Dept. 120, The Foxboro Co., Foxboro, MA 02035.

NEW PRODUCT LITERATURE

Lux Scientific Instrument Corp., 519 Eighth Ave., New York, NY 10018, has issued a 32-page catalog on specialty laboratory items... A data sheet "Polyolefins for Adhesives and Coatings" is available from U.S. Industrial Chemicals Co., Technical Literature Dept., 99 Park Ave., New York, NY 10016... Fotodyne Inc., PO Box 183, New Berlin, WI 53151 is offering an expanded catalog of products and instruments used for biotechnology research... Applied Science has published a 208-page 1983 Chromatography Supplies Catalog. Contact Alltech Associates, Dick Dolan, President, 2051 Waukegan Rd., Deerfield, IL 60015... Corning Glass Works' new 350-page catalog, "Lab Book," features more than 4,000 laboratory products. Contact Corning Scientific Products, MP-21-5, Corning Glass Works, Corning, NY 14830... Stork Amsterdam, Ketelstraat 2, PO Box 3007, 1003 AA Amsterdam, The Netherlands, has a brochure on its Stork Mono-screw press MS 6-10, available in English, French or Spanish... Gaulin Corporation's Technical Bulletin No. 67 explains the theory of homogenization and discusses the roles of equipment used in the processing of emulsions. Contact Allen A. Andrews, Manager of Marketing Communications, 44 Garden St., Everett, MA 02149... Brinkmann Instruments Co., Division of Sybron Corporation, Cantiague Rd., Westbury, NY 11590, has issued product bulletin PB-361 on Lauda N-Series High Temperature Circulators designed for external liquid circulation at temperatures up to 330 C... A 75-page Technical Handbook on Tank Vents and Flame Arresters is available from Groth Equipment Corp., 1202 Hahlo, Houston, TX 77020... The mixing principles of simultaneous division, cross-current and back-mixing are explained in a brochure from Komax Systems Inc., 1947 E. 223rd St., Long Beach, CA 90810... A 16-page catalog on constant temperature circulators, water baths, refrigerated chillers and polarimeters is available from PolyScience Corporation, PO Box 48312, Niles, IL 60648... Large capacity incubators for biomedical and industrial applications are featured in a brochure from Forma Scientific and available by calling 1-800-848-3080 (in Ohio, call 1-800-421-3080).