

Publications

Ave., New York, NY 10158, 1987, 100 pp., \$59.95.

Liposomes: From Biophysics to Therapeutics, edited by Marc J. Ostro, Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1987, 393 pp., \$85 US and Canada, \$102 elsewhere.

Corn: Chemistry and Technology, edited by Stanley A. Watson and Paul E. Ramstad, American Association of Cereal Chemists, 3340 Pilot Knob Road, St. Paul, MN 55121, 1987, 605 pp., \$87 US and Canada, \$95.70 elsewhere.

Lipids in Modern Nutrition, (Nestlé Nutrition Workshope Series, Vol. 13), edited by Marc Horisberger and Umberto

Bracco, Raven Press, 1185 Avenue of the Americas, New York, NY 10036, 1987, 266 pp., \$29.50.

Thin Layer Chromatography, by Richard J. Hamilton and Sheila Hamilton, published for Analytical Chemistry by Open Learning by John Wiley & Sons Inc., 605 Third Ave., New York, NY 10158, 1987, 129 pp., \$19.95.

Hazardous Chemicals Desk Reference, by N. Irving Sax and Richard J. Lewis, Sr., Van Nostrand Reinhold, 115 Fifth Ave., New York, NY 10003, 1987, 1000 pp., \$69.95.

A Handbook of Introductory Statistical Methods, by C. Philip Cox, John Wiley & Sons Inc., 605

Third Ave., New York, NY 10158, 1987, 288 pp., \$34.95.

The following books are available from Academic Press Inc., 6277 Sea Harbor Drive, Orlando, FL 32887.

Autoxidation of Unsaturated Lipids, Food Science and Technology: A Series of Monographs, edited by H.W.S. Chan, 1987, 296 pp., \$63.50.

The Biochemistry of Plants: A Comprehensive Treatise, Vol. 9 of Lipids: Structure and Function, edited by P.K. Stumpf, 1987, 336 pp., \$65.

Nutritional Toxicology Vol. II, edited by John N. Hathcock, 1987, 288 pp., \$65.

New Products

CALIBRATOR

Techne Inc. has available an electronic portable calibrator for thermal sensors. The model DB-700A can be used in the calibration lab and for on-site measurement, and its aluminum bronze well is designed to maintain uniform temperature up to 700 C. Contact: Techne Inc., 3700 Brunswick Pike, Princeton, NJ 08540.

SPECTROCOLORIMETER

The ColorQuest spectrophotometer's optical sensor features a 45 degree illumination/0 degree viewing geometry which can be tailored to meet specific industrial requirements. The system also includes quality control software in IBM or IBM-compatible computers, color scales and indices, and data storage for samples, standards and tolerances. Contact: HunterLab, Hunter Associates Laboratory Inc., 11491 Sunset Hills Road, Reston, VA 22090-5280.

IR SENSOR

The MoistArt Micro 5500 infrared sensor by the Ohmart Corp. measures moisture in bulk process materials. It can be used continu-

ously on-line or off-line in laboratory applications, and its cast aluminum housing allows its use in many food and chemical processing applications. When used in conjunction with the company's microprocessors, inputs from single and multiple sensors can be measured. Contact: Ohmart Corp., 4241 Allendorf Dr., Cincinnati, OH 45209.

CONTROL SYSTEM

The production management system (PMS) by Apache Control Systems is designed for beverage filling lines. The computer-based monitoring and data-logging system collects production counts, spoilage and downtime data, then the data is converted to provide real-time on-line monitoring. Contact: Apache Control Systems, 1805 W. County Rd. C., St. Paul, MN 55113.

ANALYZERS

FIATron Systems offers laboratory and on-line analyzers that measure iodine values and free fatty acid content automatically. They are designed to determine iodine value in three minutes and free fatty

acid content in two minutes in the lab. The on-line process analyzer measures free fatty acid content in 4 minutes. Iodine values are measured in the 0-200 IV range; free fatty acid determinations for edible oils can be made in the 0.01-0.10% range. Contact: FIATron Laboratory Systems, 510 South Worthington St., Oconomowoc, WI 53066.

FLUORESCENCE ANALYZER

Technicon Industrial Systems Corp. has available a multi-product analyzer which works on the principle of X-ray fluorescence. The ExAAAct-1 is designed to perform elemental analysis on powders, solids, liquids and pastes in food processing applications. It has the capability to analyze up to six elements simultaneously and can be operated by non-technical personnel. Contact: Technicon Industrial Systems Corp., 511 Benedict Ave., Tarrytown, NY 10591.

INFO PROGRAM

QuikInfo, a microcomputer information program for engineers, technicians and scientists, contains numerous conversions from one

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measurement system to another and scientific physical constants. Equivalencies are grouped by category. The software can be called from within a database, spreadsheet or other software, and numbers can be moved to any application program. The program runs on IBM-compatible microcomputers and occupies 80K of memory. Contact: Plies Development Corp., 2110 Crystal Hills, Houston, TX 77077.

SHORTENING PRODUCTION

The Perfector Swept surface heat exchanger by Gerstenberg & Agger allows industrial bakeries to have in-house shortening production to meet specific baking needs. The system uses intermediate crystallizers which can be changed for each type of shortening or margarine desired to allow proper kneading and resting time to obtain specific textures. The plants have capacities of 1,000-40,000 pounds per hour for shortening and industrial margarine; puff pastry margarine production ranges from 600-9,000 pounds per hour. Contact: Len E. Ivarson Inc., PO Box 23335, Milwaukee, WI 53223, or Gerstenberg & Agger A/S,

Frydendalsvej 19, DK-1809, Frederiksberg C, Copenhagen, Denmark.

HPLC DETECTOR

Milton Roy has introduced the SpectroMonitor 3100 variable wavelength detector for high performance liquid chromatography (HPLC). Features include: 2.0 AUFS to 0.001 AUFS; absorbance measurement in the whole UV-visible light range; a high pressure (1,000 psi) fluid cell; autozeroing, and digital diagnostics. Contact: Milton Roy LDC Division, PO Box 10235, Riviera Beach, FL 33404.

FILTER GAUGE

Orange Research Inc. has available differential pressure filter gauges that indicate when filter units must be cleaned or replaced by measuring pressure drops across filtration media. The instruments come in pressure ranges from 1 inch of water in a 125 psig system to 1 pound in a 5,000 psig system. Weather- and explosion-proof enclosures, special bypass designs, choice of construction materials, and custom designs and mountings also are available. Contact: Orange

Research Inc., 140 Cascade Blvd., Milford, CT 06460.

TITRATOR

The Schott single endpoint titrator from Tekmar has six delivery rates available with two memories for preprogrammed titration or dosing volumes. The TR85 titrator, when used in conjunction with the T80 burette, will control automatic endpoint titrations. The titrator is designed to eliminate overshoot by slowing titrant delivery as the endpoint is approached. Contact: Tekmar, PO Box 371856, Cincinnati, Ohio 45222-1856.

SEPTA

Septa 77 from Chemical Research Supplies are designed to cut down on septum bleeding in gas chromatography. The upper temperature limit for the septa is 400 C, but varies with instrument configuration. According to the company, the molded silicone septa will not bleed, are easy to penetrate and are resealable after hundreds of uses. Contact: Chemical Research Supplies, Div. of L.C. Co. Inc., PO Box 888, Addison, IL 60101.

Calendar

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Detroit, Michigan. Contact: Dr. Stephen J. Swarin, Publicity Chairman, Analytical Chemistry Department, General Motors Research Labs, Warren, MI 48090-9055.

1987 Annual Meeting and Paint Industries' Show, Federation of Societies for Coatings Technology, Oct. 5-7, 1987, Convention Center, Dallas, Texas. Details: Federation of Societies for Coatings Technology, 1315 Walnut St., Philadelphia, PA 19107.

Symposium on Biotechnology and Food Industry, Oct. 5-9, 1987, Budapest, Hungary. Contact: Symposium Secretariat, Hungarian Scientific Society for Food Industry (METE), H-1361 Budapest pf.5, Hungary.

Northeast AOCs Section Meeting, Oct. 6, 1987, Nassau Inn, Princeton, New Jersey. Topic: New Oils, Jojoba/Rapeseed. Contact: Anthony Montana, telephone 201-267-1000.

Food Packaging, American Association of Cereal Chemists (AACC) Short Course, Oct. 6-7, 1987, Minneapolis, Minnesota. Contact: Dotty Ginsburg, AACC Short Course Coordinator, 3340 Pilot Knob Rd., St. Paul, MN 55121, telephone 612-454-7250.

2nd Annual Meeting, Canadian Section of AOCs, Oct. 7-8, 1987, University of Manitoba, Winnipeg, Manitoba, Canada. Details: Bruce E. MacDonald, Local Arrangements Chairperson, CAOCs Meeting, Department of Foods and Nutrition, University of Manitoba, Winnipeg,

Manitoba, Canada R3T 2N2. Conference, Health Effects of Omega-3 Fatty Acids: Fish Oils and Other Sources, Oct. 8, 1987, Kresge Auditorium, Massachusetts Institute of Technology, Cambridge, Massachusetts. Contact: Madeleine Hall-Arber, MIT Sea Grant, Bldg. E38-374, 292 Main St., Cambridge, MA 02142.

Eastern Food Science Conference, Food Technology for a Dynamic Marketplace, sponsored by the Institute of Food Technologists, Oct. 11-14, 1987, Hershey Lodge and Convention Center, Hershey, Pennsylvania. Contact: Arthur Steir, 12924 Dean Rd., Wheaton, MD 20906.

International Forum on Drug Research, Inter-Med 87, Oct. 12-15, 1987, Bordeaux, France. Contact: Inter-Med, 12 place de