

Publications

Book Review

Lipid Metabolism and Its Pathology, edited by M.F. Halpern (Plenum Publishing Corp., 233 Spring St., New York, NY 10013, 1985, 265 pp., \$45.00 US and Canada, \$59.50 elsewhere).

This volume is the proceedings of the International Colloquium on Lipid Metabolism and Its Pathology held in Lisbon, Portugal, in 1980. It consists of 26 papers, the majority of which are on some aspect of lipoprotein metabolism. The proceedings open with a chap-

ter by Alaupovic on "Metabolic and Clinical Significance of the Lipoprotein Family Concept." Chapters follow on "Lipids and Proteins of Lipoproteins in Human Atherosclerosis"; "Comparison of Values of HDL-Cholesterol and of Apoprotein A, and B in the Assessment of Coronary Risk," and "A Comparative Study of Lipids and HDL-Cholesterol in Old Joggers and Patients with Coronary Infarction." There are papers on analytical methods for determination of apoproteins and characterization of human high density lipoproteins. Others deal with lipoprotein profiles and risk of heart disease,

obesity, and diagnosis and treatment of hyperlipidemias. Also covered are the effects of alcohol on HDL, dietary influences on lipoprotein profiles, phospholipids and platelet aggregation, and the testing of human lipoproteins for mutagenic activity. The articles generally are of good quality. It is unfortunate that it has taken nearly five years to publish these proceedings because the volume is now of limited value.

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New Publications

From Alan R. Liss Inc., 41 E. 11 St., New York, NY, 10003:

Neurobiology: Molecular Biological Approaches to Understanding Neuronal Function and Development, edited by Paul O'Lague, 1985, 212 pp., \$68.00.

Review of Biological Research in Aging, Vol. 2, edited by Morton Rothstein, 1985, 572 pp., \$96.

Opportunities in Chemistry, Committee to Survey Opportunities in the Chemical Sciences, National Academy Press, 2101 Constitution Ave. NW, Washington, DC, 20418, 1985, 344 pp., \$18.50 in the US, Canada and

Mexico, \$22.50 elsewhere.

Guidelines for Hazard Evaluation Procedures, American Institute of Chemical Engineers' Publication, 345 E. 47th St., New York, NY 10017, 1985, 200 pp., \$35 members, \$75 nonmembers.

From Academic Press Inc., 6277 Sea Harbor Dr., Orlando, FL 32821:

Bioorganic Chemistry, edited by Gordon A. Hamilton, 1985, \$89 US and Canada, \$107 elsewhere.

Hydrogenation Methods, by Paul N. Rylander, 1985, 200 pp., \$48.

What you should know about

industrial microwave processing, Svenson & Associates, 45 Webb Rd., Watsonville, CA 95976, 1985, free.

Materials Handbook: An Encyclopedia for Managers, Technical Professionals, Purchasing and Production Managers, Technicians, Supervisors and Foremen, 12th ed., by George S. Brady and Henry R. Clauser, McGraw-Hill Book Co., 1221 Avenue of the Americas, New York, NY 10020, 1985, 1,039 pp., \$59.50.

Computer-Aided Chemistry: New Routes to Tomorrow's Drugs and Chemicals, Technical Insights Inc., PO Box 1304, Fort Lee, NJ 07024, 1985, 240 pp., \$675 US, \$705 elsewhere.

New Products

HPLC COLUMNS

Beckman Instruments has introduced Ultrasphere-XL columns for quality control and assurance HPLC applications. The 75-mm columns feature 3 μ packings providing over 100,000 plates per meter. The columns are designed for fast sample separations. Contact: Beckman Instruments Inc., Altex Div., 2350 Camino Ramon, San Ramon, CA 94583.

LIQUID DISPENSER

Chemtrix' "Dial A Quat" liquid dispenser features a self-centering micrometer mechanism to provide

reproducibility of 0.1%. The device has a two-value system designed to prevent accidental drips. The delivery tube is secured by a threaded connection. It comes with thread adapters to allow pipetting directly from laboratory reagent bottles. Contact: Michael J. Kilday, Chemtrix Inc., 163 S.W. Freeman, Hillsboro, OR 97123.

DISC COMPRESSION TOOL

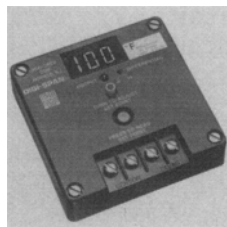
A disc compression tool from Equipment Engineering was developed to adapt to most high-speed centrifuges regardless of the manufacturer. The tool is compact,

light-weight and factory-calibrated. Contact: Equipment Engineering, Parts Dept., 757 E. Murry St., Indianapolis, IN 46227.

LIQUID LEVEL INDICATOR

Granzow offers a liquid level indicator consisting of rollers that move 180 degrees when magnetized by the inside float. The resulting visual effect shows a color change indicating the tank level. The instrument is available in lengths up to 275" and is checked for pressure up to 600 psig. Contact: Granzow Inc., 6033 Kenley Ln., Charlotte, NC 28210.

New Products



SET POINT CONTROL

A digital set point control designed to turn equipment on and off at designated temperatures has been introduced by Heat-Timer Corp. DiGi-Span features a continuous digital display of both the set point and the temperature at the sensor probe location. It was developed for use with processing equipment in the food, chemical and manufacturing industries, as well as with pumps, boilers, fans, air-conditioners and refrigerators. Two models are available: one with a set point range of -30 F to 100 F, and the other with a range of 70 F to 250 F. Contact: Heat-Timer Corp., 10 Dwight Pl., Fairfield, NJ 07006.



INFRARED DRYER

Mettler's LP16 is an infrared drying unit for routine determinations of moisture and dry weight in production control. It performs drying cycles automatically, with every aspect controlled, and is versatile for different specimen types. Contact: Mettler Instrumente AG, CH-8606 Greifensee, Switzerland.

SPECTROPHOTOMETER

HunterLab's UltraScan spectrophotometer was developed for color and appearance analysis. It features a sphere optical sensor with a high reflectance sphere coating and laser-aligned holographic grating polychromator allowing spectral

scans from 375 to 730 nm. An optional UV-enhanced source can be controlled to 300 nm for measuring fluorescent samples. Also, the spectral range can be expanded to 1100 nm for near IR measurements. The sensor viewing area can be reduced to 3.175 mm to accommodate small reflectance samples. Contact: Hunter Associates Laboratory Inc., 11495 Sunset Hills Rd., Reston, VA 22090.

PRESSURE TRANSDUCER

Druck Inc. offers a precision pressure transducer Type PDCR 32 offering $\pm 0.04\%$ combined nonlinearity, hysteresis and repeatability for ranges 1 through 100 psi and $\pm 0.06\%$ up to 500 psi. A high level output up to 75 mV is available from a 12-volt excitation. The transducer is designed for applications requiring maximum performance with regard to weight, reliability and accuracy. Contact: Druck Inc., Miry Brook Rd., Danbury, CT 06810.

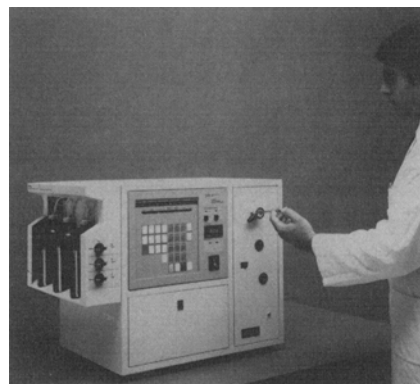
NMR SPECTROMETERS

Varian Associates has introduced a series of superconducting Fourier transform nuclear magnetic resonance (NMR) spectrometers at 100, 200, 300, 400 and 500 MHz, offering flexibility in research applications from biotechnology to synthetic materials. According to Varian, the instruments totally automate the NMR, putting all critical spectrometer functions under computer control. Contact: Varian Associates Inc., Instrument Group, 220 Humboldt Ct., Sunnyvale, CA 94086.

AUTOMATIC VISCOMETER CLEANER

Princeton Sensors' model AVC is an automatic cleaning and drying device for capillary tube viscometers employing a heat-suction system. According to the firm, the unit automatically performs all processes from sample discharging to viscometer drying by controlling the programs for heating, suction and the intermittent injection of solvent. Contact: Princeton Sen-

sors Inc., PO Box 847, Belle Mead, NJ 08502.



COMPACT MODULAR HPLC

IBM Instruments' LC/9560 is a high performance, ternary gradient system integrating modular components to help solve a wide variety of HPLC applications. It's small in size and is designed for high volume and repetitive analyses. It features a self-priming, three-piston, drawer-mounted pump. Contact: IBM Instruments Inc., Orchard Park, PO Box 332, Danbury, CT 06810.

COCOA POWDER

De Zaan has introduced a series of cocoa powders, the CM types, which have an almost neutral pH (6.9 ± 0.2), good flavor and a reddish-brown color. De Zaan believes that a wide range of applications for the new series will be found, particularly in the dairy industry, which prefers a cocoa powder with a pH close to that of milk. Contact: Cacaofabriek De Zaan B.V., Postbus 2, 1540 AA Koog aan de Zaan, Holland, or De Zaan Inc., 1 Bridge Plaza N., Fort Lee, NJ 07024.

PORTABLE WATER ANALYSIS

Atomergic Chemetals Corp. is distributing the LASA Aqua portable water analysis unit that is all solid-state, computerized and expandable. Only 12 program filters are required for the 31 preprogrammed water analyses, and no zero setting or calibration is required. Contact: Atomergic Chemetals Corp., 100 Fairchild Ave., Plainview, NY 11803.