

## Publications

**Basic Tables for Chemical Analysis**, National Bureau of Standards, Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Price is \$11; order by stock number 003-003-02724-3. Tables include carrier gas properties, solvents for liquid chromatography, infrared optics materials and characteristics absorptions.

**Thin-Layer Chromatography: Techniques and Applications**, 2nd ed., revised and expanded, (Chromatographic Science Series, Vol. 35), by Bernard Fried and Joseph Sherma, Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1986, 416 pp., \$74.75 US and Canada, \$89.50 all others.

**Encyclopedia of Food Engineering**, 2nd ed., by Carl W. Hall, Arthur W. Farrall and A.L. Rippen, AVI Publishing Co., 250 Post

Rd. E., PO Box 831, Westport, CT 06881, 1986, 882 pp., \$135.

**Applied Food Science Laboratory Manual**, by D.B. Ott, Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, 1986, 175 pp., \$15.

**Oats Chemistry and Technology**, edited by Francis H. Webster, American Association of Cereal Chemists Inc., 3340 Pilot Knob Rd., St. Paul, MN 55121, 1986, 433 pp., \$79 US and Canada, add 10% for shipping elsewhere.

**Proceedings, 19th Annual Convention, Canola Council of Canada**, Canola Council of Canada, Attn. Dale Adolph, Market Development Coordinator, 301-433 Main St., Winnipeg, Canada R3B 1B3, proceedings of the March 1986 meeting in San Francisco, Canada, 215 pp.

## Other publications

**Coconuts Today**, Vol. 3, No. 2, United Coconut Association of the Philippines Inc., 941 Josefa Llanes Escoda St., Manila, The Philippines, 1986, 160 pp.

**Proteins: Structure, Function, and Genetics**, edited by Cyrus Levinthal, Alan R. Liss Inc., 41 E. 11th St., New York, NY 10003. A new monthly journal, first issue published in September 1986, \$255 a year in the US, \$264 elsewhere.

**A Review of U.S. Competitiveness in Agricultural Trade**, technical memorandum prepared by the U.S. congressional Office of Technology Assessment. Copies available for \$5.50 from the U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402, stock number 052-003-01054-2.

## New Products



### STOPWATCH

Fisher Scientific offers a stopwatch with microprocessor control capable of providing researchers with a printout of sample numbers and cumulative and interval times. The timer is designed for accuracy to 0.001%, with a rollover capacity of almost 10 hours for long experiments. Contact: Fisher Scientific, 711 Forbes Ave., Pittsburgh, PA 15219.

### WAVELENGTH DETECTOR

The SM4000 programmable wavelength detector by LDC/Milton

Roy is designed to measure time-programmed wavelength changes, monitor simultaneous dual wavelength and scan stop flow. It interfaces with computers and other data devices for HPLC systems and features detection from 190 to 700 nm with sensitivity to 0.0005 AUFS. Contact: LDC/Milton Roy, PO Box 10235, Riviera Beach, FL 33404.

### PULSATION DAMPENERS

ACL Technologies Inc. has available pulsation dampeners rated at 5,000 psi, with flow ranges up to 105 gpm. Ripple Filters dampen fluid pressure pulsations from 10-10,000 Hz. They are available for both axial and reciprocating pumps. Contact: ACL Technologies, Systems and Controls, 1505 E. Warner Ave., Santa Ana, CA 92705.

### PHOTODIODE DETECTOR

Waters Chromatography Division

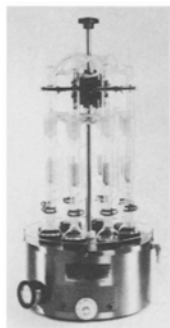
introduces the Waters 990 photodiode detector, designed to continuously monitor and acquire UV/Vis wavelengths in an HPLC analysis. Features include peak integration on up to six channels, overlay capabilities, peak normalization and display of up to 24 absorbance traces on one screen. Included with the detector is an NEC APC III personal computer (IBM-compatible) and a software package. Contact: Waters Chromatography Division, 34 Maple St., Milford, MA 01757.

### LIQUID CHROMATOGRAPH

The LC/9560 ternary gradient HPLC is available from IBM Instruments Inc. Features include LED display, automatic start-up diagnostics, front-accessible electronics and hydraulics and switch-selectable, dual-flow ranges. With the addition of accessories, the LC/9560 can be expanded into a fully automated chemical separation work station. Contact: IBM

## New Products

Instruments Inc., Orchard Park,  
PO Box 3332, Danbury, CT 06813.



### SOXHLET EXTRACTOR

Organomation's Rot-X-Tract Soxhlet extraction apparatus is designed to simultaneously perform extractions on eight 125- or 250-ml sample flasks. The circular system rotates to allow access; it is equipped with a safety rim protector to prevent burn injuries and has an energy control to regulate the amount of steam generated. Contact: Organomation Associates Inc., 266 River Road W., PO Box 159, South Berlin, MA 01549.

### REACTION OVEN

Shimadzu Scientific Instruments offers a chemical reaction oven for post-column derivatization. The CRB-

6A forced-air chemical reaction oven features temperature control up to 105 C and a solvent leak detector for safety. The oven can accommodate coiled reactor tubes of various sizes. Contact: Shimadzu Scientific Instruments Inc., 7102 Riverwood Dr., Columbia, MD 21046.

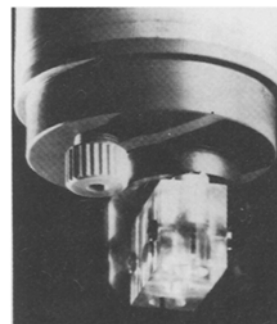
### PISTOLPET DISPENSERS

Pistolpet, Manostat Corp.'s bottle top dispenser has a pistol-like grip so it can be mounted directly onto the most commonly used reagent bottles. Two models are available, acid/solvents or autoclavable, each in three volumes, 0.8 ml, 8.5 ml and 20 ml. They are supplied with their own bottles, accessory stands and extension tubing. Contact: Manostat Corp., 519 Eighth Ave., New York, NY 10018.

### NMR SERVICE

Spectral Data Services Inc. announces the availability of a commercial high-field nuclear magnetic resonance (NMR) data acquisition service. One- and two-dimensional NMR, magic-angle sample spinning, cross-polarization, variable-angle sample spinning, broad line spin-echo, proton and

multinuclear solution NMR services are offered. Contact: Spectral Data Services Inc., 818 Pioneer, Champaign, IL 61820.



### RING ELECTRODE

Strandberg Engineering Laboratories Inc. introduces the Polymetron antimony ring electrode for use in industrial pH measurements where glass electrodes may not work. The Polymetron probes are equipped with continuously cleaned antimony ring electrodes. The electrode may be mounted into flow-through or immersion probes, and an air motor-driven cleaning mechanism allows for pH application in hazardous zones. Contact: Strandberg Engineering Laboratories Inc., Industrial Electronics Division, 1001 South Elm Dt., Greensboro, NC 27406.

## Calendar

### AOCS NATIONAL MEETINGS

Annual Meeting, May 17-21, 1987, Fairmont Hotel, New Orleans, Louisiana.

Annual Meeting, May 8-12, 1988, Hilton and Hyatt Hotels, Phoenix, Arizona.

Annual Meeting, May 3-7, 1989, Convention Center, Cincinnati, Ohio.

### AOCS WORLD CONFERENCES

World Conference on Biotechnology for the Fats and Oils Industry, Sept. 27-Oct. 2, 1987, Hamburg, West Germany.

World Conference on Production, Processing and Utilization of Jojoba: VII International Conference on Jojoba and Its Uses, Jan. 17-22, 1988, Phoenix, Arizona.

### AOCS SHORT COURSE

Short Course on Polyunsaturated Fatty Acids and Eicosanoids, May 13-16, 1987, Biloxi, Mississippi.

Short Course on Lipid Oxidation, May 13-16, 1987, Biloxi, Mississippi.

Short Course on Vegetable Food Proteins: Preparation, Modifi-

cation and Utilization, May 14-15, 1987, Food Protein R & D Center, Texas A&M University, College Station, Texas.

Short Course on Oilseeds and Oil Processing, July 12-17, 1987, POS Pilot Plant facility in Saskatoon, Saskatchewan, Canada.

Short Course on Fatty Acids, Sept. 13-16, 1987, Kings Island Resort, Ohio.

## 1987

### January

RDAs—Are Changes Necessary?,