

New Products

MICROMETER SYRINGE

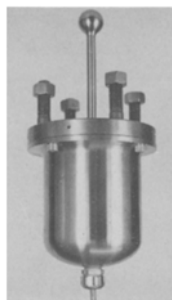
Gilmont's Line of digital micrometer syringes and burets now includes a 0.025 ml syringe for the nanoliter range. Known as the S4000, the syringe is made of corrosion resistant metals; it features double Viton O-ring seal for vacuum tight joint and Teflon gasket to confine liquid contact to glass or Teflon. Contact: Gilmont Instruments Inc., 401 Great Neck Rd., Great Neck, NY 11021.

pH METER

Engineered Systems and Designs has introduced a new pH meter, the Model LCpH. The portable meter is designed to read pH to an accuracy of 0.1 pH units and has a range of 2 to 12 pH. It features manual temperature compensation from 0 to 100 °C, a standardized control, a slope control and battery check switch. It is powered by a 9-volt battery. Contact: Engineered Systems and Designs, 3 S. Tatnall St., Wilmington, DE 19801.

VOLUME DISPENSER

Tekmar's Tekspensor adjustable volume dispensers handle volumes from 0.4 to 100 ml. The dispensers are made of chemically inert materials and feature PTFE coated calibrated piston, suction tube and ejection tube to minimize freezing problems associated with all-glass dispensers. Adapters are available for all known original reagent bottles. Contact: Tekmar Co., PO Box 371856, Cincinnati, OH 45222.



SENSOR

Nametre Co. offers a hermetically sealed sensor for continuously measuring the viscosity of process fluids. A high inertia ballast and push-pull driver and pick-up arrangement minimize the instrument's susceptibility to industrial vibrations. High pressure, high temperature and sanitary versions are available. Other features include a six decade viscosity range and calibrated digital readout in centipoise, centistoke or SUS units. Contact:

Nametre Co., 1778 Highway 27, Edison, NJ 08817.

CENTRIFUGE TUBES

Sarstedt offers a 15 ml conical, graduated screw-cap centrifuge tube with optional printed graduations and writing block. All tubes are engraved in 0.5 ml increments. Additional printed graduations from 2 ml to 13 ml with writing block also are available. Contact: Sarstedt Inc., PO Box 4090, Princeton, NJ 08540.



THERMOCOUPLE CALIBRATOR

Transmation's Model 1064P hand-held digital temperature calibrator measures and generates signals of thermocouple types J, K, T and E. The compact, battery-powered unit is calibrated directly in degrees F or C with a millivolt-to-temperature conformance of 1 degree. Contact: Transmation Inc., PO Box 7803, Rochester, NY 14606.

MICROVISCOMETER

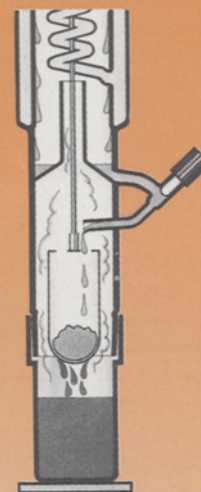
Haake Buchler Instruments' new microviscometer for low-viscosity liquids is designed for fully automatic single or repetitive measurements on samples as small as 60 microliters. The unit times the fall of a gold-plated ball of known size and density through a tube of known size and length. The instrument can be set to repeat the test at intervals. Contact: Haake Buchler Instruments Inc., 244 Saddle River Rd., Saddle Brook, NJ 07662.

FOOD GRADE GEAR OIL

American Oil & Supply Co. has PQ AA90 and PQ AA140 weight lubricants for enclosed gear application in food processing and packaging machinery. Target markets include meat, poultry, dairy, beverage, pharmaceutical and cosmetic production operations. Contact: American Oil & Supply, 238 Wilson Ave., Newark, NJ 07105.

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Publications

Book Reviews

HPLC Analysis of Biological Compounds. A Laboratory Guide, Chromatographic Science Series, Vol. 26, by William S. Hancock and James T. Sparrow (Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1984, 361 pp., \$39.75).

This book is organized into a brief introductory chapter, three chapters on columns, mobile phases, and what are described as the practical details of an HPLC separation, and concludes with a lengthy review of separation examples for amino acids, peptides, proteins, nucleotides, carbohydrates and lipids. The authors clearly have deviated from the pattern of most HPLC texts. Instrumentation and mathematical theory receive scant attention, and the emphasis is on selection of a column and a mobile phase to analyze a sample. For most actual users this is an eminently satisfactory starting point. In an easy-to-read manner the authors take the reader through the various steps of developing an analysis. The subtitle—a laboratory guide—is quite appropriate.

In general the book is well written and the presentations accurate. At times the authors might be faulted for uncritically reproducing the opinions, as opposed to data, expressed in cited papers. On the other hand, careful attention to some of these opinions may greatly shorten the time needed to develop an analysis. Most examples used to illustrate methods development involve proteins or peptides. The applications section includes 10.5 pages of text on lipids, 57 references and 16 pages of chromatograms. Literature citations extend into 1982. HPLC, particularly of complex biological samples, is a rapidly moving area. Inevitably some of the material presented in

a text of this type is obsolescent or obsolete at the time of publication. The authors' emphasis on the general, practical elements of method development, however, makes this a relatively minor problem.

Although the book is concerned largely with the HPLC of proteins and peptides, it does include one of the more extensive reviews of HPLC of lipids available. This is the type of book which can be recommended for use at the bench rather than inclusion in the research library.

Lloyd A. Witting
Supelco, Inc.
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New Publications

Quality Assurance Principles for Analytical Laboratories, by Frederick M. Garfield, Association of Official Analytical Chemists, 111 North 19th Street, Suite 210, Arlington, VA 22209, 1984, 224 pp., \$45.00 in U.S., \$48.00 outside U.S.

Standardizing Foodservice for Quality and Efficiency, by Arthur P. Tolve, Avi Publishing Company, 250 Post Road E., PO Box 831, Westport, CT 06881, 1984, 221 pp., \$27.50.

Biophysical Methods in Food Research, by H.W.S. Chan, Blackwell Scientific Publications Inc., The Downing House, 706 Cowper Street, Palo Alto, CA 94301, 1984, 204 pp., \$39.00.

Biomass, Catalysts and Liquid Fuels, by Ian Campbell, Technomic Publishing Company Inc., 851 New Holland Ave., Box 3535, Lancaster, PA, 1984, 169 pp., \$36.00.

Calendar

AOCS NATIONAL MEETINGS

Annual Meeting, May 5-9, 1985, Franklin Plaza Hotel, Philadelphia, PA.

Annual Meeting, May 14-18, 1986, Hilton Hawaiian Village, Honolulu, Hawaii.

AOCS WORLD CONFERENCES

AOCS/PORIM World Conference on Processing of Palm, Palm Kernel and Coconut Oils, Nov. 11-16, 1984, Kuala Lumpur Hilton, Kuala Lumpur, Malaysia.

World Conference on Emerging Technology in the Fats and Oil Industry (with the Objective of Improving Quality and Efficiency), Nov. 3-8, 1985, Cannes, France.

World Conference on Surfactants and Detergents II, fall 1986 at a European site to be selected.

AOCS SHORT COURSES

AOCS Short Course on Fatty Acids, Sept. 23-26, 1984, Kings Island, OH. Contact: Meetings Coordinator, AOCS, 508 S. Sixth St., Champaign, IL 61820.

1984

October

69th Annual Meeting of the American Association of Cereal Chemists, Sept. 30-Oct. 4, 1984, Hyatt Regency and Amfac Hotels, Minneapolis, MN. Contact: Raymond J. Tarleton, AACC Headquarters, 3340 Pilot Knob Rd., St. Paul, MN 55121.

Fifth Outlook Conference on Soybean, Feed Ingredients and Fats and Oils, sponsored by the American Soybean Association, Oct. 9-

10, 1984, The Post House Hotel, London, England. Information: Rita Batens, American Soybean Association, Centre International Rogier, Box 5, 1000 Brussels, Belgium.

XII International Symposium of Agrochimica, "Lipids in Plants and Soils," Oct. 8-11, 1984, University of Pisa, Pisa, Italy. Contact: Agrochimica, c/o Institute of Agricultural Chemistry, University of Pisa, Via S. Michele degli Scalzi, 2-56100 Pisa, Italy.

National Renderers Association 51st Annual Convention, Oct. 15-19, 1984, Arizona Biltmore, Phoenix, AZ. Contact: National Renderers Association Inc., 2250 E. Devon Ave., Des Plaines, IL 60018.

13th Congress of the International Federation of Societies of Cosmetic Chemists, Oct. 16-19, 1984, Buenos Aires, Argentina. Contact: Inter-