

# Manufacturers' Literature

**Reference List.** Ultrogel Reference List for 1975-79 contains over 500 entries. Author and subject indices are given for three chromatographic techniques: gel filtration, affinity chromatography, and adsorption chromatography. 77 pp. LKB Instruments, Inc. 437

**Coal Analysis.** Reports the use of energy dispersive X-ray fluorescence equipment to quantitatively determine the major and trace elements in whole coal in minutes. 15 pp. EG&G Ortec 438

**Proton NMR Application.** Describes the direct observation of peptide proton resonances in water. 8 pp. Varian 439

**Microwave Spectrometer.** Provides information on the company's Model 815R Photo-Conductivity Spectrometer, which features photoconductivity measurements without physical contact. 2 pp. Micro-Now 440

**Laboratory Water Systems.** Describes PENPURE Labwater Systems, which produce Types I and II reagent grade water. 4 pp. Penfield, Inc. 441

**Affinity Chromatography.** Includes step-by-step methods for immobilizing ligands and for using group specific adsorbents based on Sepharose. Contains over 200 references. 112 pp. Pharmacia Fine Chemicals 442

**IR Detector for Gas Chromatography.** Discusses the features of the MIRAN Infrared GC Detector, and tells how the detector distinguishes unresolved GC peaks and yields complete peak resolution. 6 pp. Foxboro Analytical 443

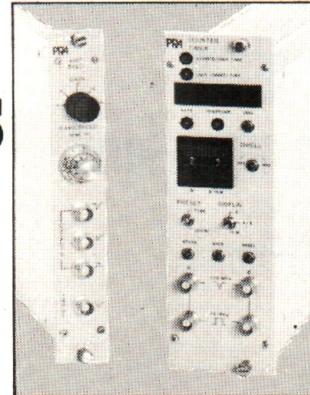
**Oscilloscopes.** Describes the company's complete line of portable oscilloscopes, which includes instruments for applications ranging from educational use to laboratory and digital circuit measurements. 16 pp. Gould Inc. 444

**Water Analysis.** Explains a technique for on-line trace enrichment of water samples using a pre-column or reverse phase analytical column. 8 pp. Varian 445

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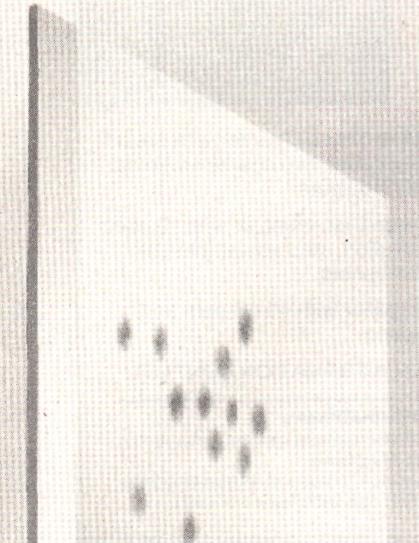
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**Monitor Calibration.** Describes the Model 340A Portable Calibration System, which provides a dynamic standard that can be used to perform a five point plus zero EPA compliance calibration for various environmental monitors. 6 pp. Analytical Instrument Development, Inc. **446**

**X-ray Analysis.** Two technical papers cover analysis of materials such as PK fertilizers, NPK fertilizers, phosphate-enriched slag, phosphate rock, limestones, and dolomites by X-ray fluorescence. 20 pp. + 13 pp. EG&G Ortec **449**

**Environmental Analysis.** Contains information on EPA-proposed changes to approved automated test procedures for total phosphorus, TKN, sulfate, COD, cyanide and phenolics. Also contains articles on the use of automated continuous-flow systems for water and wastewater studies. 8 pp. Technicon Industrial Systems **451**

## Catalogs

**Chemicals.** Contains some 10 000 listings, including chemicals, precious metals, and high purity elements. Over 5000 organic chemicals are featured. 776 pp. Alfa Products **455**

**Chromatography Products.** Features a variety of HPLC columns, TLC plates, and sorbents manufactured by E. Merck, Darmstadt, Germany. Also includes three selection guides. 28 pp. Ansco Co., Inc. **456**

**X-ray Spectrochemical Accessories.** Describes disposable XRF sample cups and caps, sample supports, standards, liquid grinding aids, pellet presses and molds, and pellet storage boxes. 30 pp. Chemplex Industries, Inc. **457**

**Clinical Products.** Contains information on the company's complete line of clinical laboratory products, featuring methodologies in radioassay, RIA, and column chromatography. 12 pp. Bio-Rad Laboratories **458**

**Photomultiplier Tubes.** Describes the company's line of photomultiplier tubes 1/2" to 5" in diameter, accessories, electron multiplier tubes, and micro-channel plates. 46 pp. Hamamatsu Corp. **459**

**Spectrophotometer Cells.** Details pyrex or quartz spectrophotometer cells of American manufacture for UV, far UV, and near IR applications. 8 pp. Precision Glass Products Co. **460**

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**Ultraviolet Products.** Includes ultraviolet light sources and complementary products, and spotlights specialized areas and products including EPROM Erasing Systems, OEM/Custom products, and radiometers. 16 pp. Ultra-Violet Products, Inc. 462

**Labelled Compounds.** Lists over 600 labelled compounds, including the company's complete line of carbon-14 and tritium labelled compounds. 65 pp. Research Products International Corp. 463

**HPLC Accessories.** Includes fittings, filters, valves, connecting tubing, tube cutoff machine, column heater, and sample injector. 16 pp. Scientific Systems, Inc. 464

**Pumps.** Details compact, portable, centrifugal pumps which can safely handle a variety of chemicals and nonlubricating fluids including corrosive, volatile, toxic, and flammable chemicals. 23 pp. Micropump Corp. 465

**Chromatography Products.** Describes the company's complete line of over 1800 chromatography products and laboratory supplies. Also contains detailed procedures, sample chromatograms, and literature references. 88 pp. Regis Chemical Co. 466

**Refrigeration Systems.** Covers a wide range of closed loop refrigeration systems which have heat removal capacities of up to 54 000 BTU's/h. 11 pp. Neslab Instruments, Inc. 467

**Chromatography Products.** Includes flexible fused silica capillary columns, Vespel and graphite ferrules, stock packings, graphitized carbon for GC, vials, and a series of concentric columns. 8 pp. Alltech Associates 468

**Equipment.** Covers oscilloscopes, X-Y recorders, strip chart recorders, signal conditioners and amplifiers, biophysical instrumentation, signal generating equipment, digital multimeters, and automatic test equipment. 182 pp. Gould Inc. 469

**Labware.** Features separation hardware, separation membranes, lab organization and safety equipment, disposables, and pipettors. 97 pp. Spectrum Medical Industries Inc. 470

## NEW RELEASES

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**Chemical Characterization in Problem Identification,** M.R. Guerin, Oak Ridge National Laboratory

**Bioscreening of Emissions & Effluents,** M.D. Waters, Environmental Protection Agency

**Developments in Industrial Hygiene Instrumentation,** R.B. Gammage & D.D. Schuresko, Oak Ridge National Laboratory

**Recent Developments in Workplace & Worker Monitoring,** L.J. Doemeny, National Institute for Occupational Safety & Health

Recorded at national scientific symposia.  
*64 Illustrations. (1980)*

### WORKER PROTECTION & FOSSIL ENERGY TECHNOLOGIES, PART II

**Comparative Practices in Worker Protection,** J.M. Evans, Enviro Control, Inc.

**Applications of Chemical & Physical Dosimetry,** R.T. Cheng, Gulf Science & Technology Company

**Process & Equipment Problems & Solutions in Coal Conversion Processes,** D. Telesca, Enviro Control, Inc.

**Medical Surveillance in Risk Assessment,** D.J. Kilian, The University of Texas Health Science Center

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