

## • *New Products*

A new liquid level probe system that operates on a proven sonar principle to indicate liquid level changes within  $\frac{1}{32}$ " has been announced by BROOKS INSTRUMENT DIVISION, Emerson Electric Co., Hatfield, Pennsylvania. Designated the Brooks-Leveldata Ultrasonic Liquid Level Probe, this highly reliable system determines whether liquid is present at the desired level. It is particularly suited for difficult applications that are unsuitable for conventional liquid level devices such as high/low level control, automatic tanking, over-flow alarms, filling inventory control and gas in liquid lines. The Brooks-Leveldata Probe is unaffected by changes in fluid conditions, temperatures, pressure, aeration, presence of solids, or dielectric constants. Because the liquid touches only a discrete level on the probe, its accuracy is superior to conventional systems. Additional information may be obtained by writing to Brooks Instrument Division, Emerson Electric Co., Hatfield, Penna. 19440.

The Hamilton Company announces a new inlet splitter for use in gas chromatographic analysis using capillary or high resolution columns. This is the first commercial design adaptable to any gas chromatograph. It includes in one device a mixing tube, a buffer between split point and restrictor, interchangeable fixed valve restrictors, and built-in heating elements. The device is available from dealers everywhere or from the Hamilton Company, Box 307, Whittier, Calif. 90608.

A multi-speed laboratory instrument for fine grinding and mixing of materials prior to sample preparation and subsequent analysis has been introduced by Beckman-RIIC of London, England, a subsidiary of BECKMAN INSTRUMENTS, INC. The Rotomill is a versatile instrument featuring three separate speeds and a built-in timing device for runs of 0-15 min. High, medium and low speeds are available for grinding and blending soft or hard materials. A by-pass switch is provided for long grinding or mixing operations. The instrument can be used for the reduction of almost any material ranging from quartz and rock, to foodstuff, pigments, and paper. It is ideal for spectroscopy, X-ray diffraction and powder-metallurgy specimen preparation. An optionally available attachment permits the Rotomill to be used as a centrifuge for charging and emptying GC-1 Extrocells. Additional information on the Beckman-RIIC Rotomill may be obtained from the Technical Information Section, Beckman Instruments, Inc., Scientific Instruments Division, 2500 Harbor Blvd., Fullerton, Calif. 92634.

A new AEC license has been granted to TRACOR for operation to 400 C with the unique Micro Tek high temperature electron capture detector (patent pending). The "concentral" system employed with the Ni<sup>63</sup> source includes a circular cathode separated from a similar anode by a window of boron nitride. This "concentral" geometry permits operation at higher DC voltages to reduce drift together with improved sensitivity in either DC or pulse modes. The new high temperature limit of 400 C requires no special exhaust vents or instrument location. Any of the new detectors may be heated to the maximum at any time to take full advantage of the vital self-cleaning properties at temperatures over 350 C. These improved detectors may be used with all Micro Tek gas chromatographs or most other commercial models. For further details contact: Tracor, Inc., Analytical Instruments, 6500 Tracor Lane, Austin, Texas 78721.

### **Ozone Research & Equipment Corp.**

*Ozone Testing, Research, Consultation*

**3840 N. 40th Ave., Phoenix, Arizona 85019**

## • *Industry Items*

TRACOR, Inc. signed an agreement to acquire the assets and business of John I. Thompson & Co., of Washington, D.C.

John I. Thompson & Co. is a closely-held corporation active in safety engineering, design and development of mechanical and electronic equipment, materials handling systems, plant layout and quality control; industrial and production engineering and research, and other automation and computer systems.

The newly-acquired company will be operated as a subsidiary of TRACOR, Inc., as part of the Sciences and Systems Division under the management of A. F. Wittenborn. TRACOR is a science-based research and instrument manufacturing company with principal operations in 10 states and the District of Columbia.

CORNING GLASS WORKS has established a Chromatography Products Group within the Business Development Department of the newly formed New Businesses Division. Chromatography materials were previously handled by either the Scientific Instruments Group or its parent Laboratory Products Department. P. A. Olson has been named manager for the new program. The new group will concentrate on marketing both chromatographic equipment and materials. A central reason behind the formation of the new group, Olson said, is an anticipated growth in industrial chromatography. Corning has for some time produced and marketed a variety of chromatographic support materials for liquid and thin-layer chromatography. Last February, Corning announced it was licensed as the sole distributor in the United States and Canada for a highly sophisticated preparative scale gas chromatograph—the APG-402, made by Hupe Apparatebau of Germany. Corning's chromatographic equipment line includes, besides the APG-402, supports and adsorbents for gas, liquid, and thin-layer chromatography.

## Postdoctoral Research Associateships

The Agricultural Research Service, in cooperation with the National Research Council, is offering a number of associateships for postdoctoral research. These associateships are tenable at 17 different locations in the United States in pioneering or basic research laboratories. The annual gross stipend of an associateship will be at the GS-12 level applicable to the professional field (current rate \$12,174-\$12,580). The entire stipend is subject to Federal income tax. Costs of travel and transportation of household effects (to the duty station only), within allowances prescribed by law, will be paid for appointees when actual residence at time of appointment is in the United States. For appointments involving international travel, only the cost of the travel of the appointee may be paid. The appointing office of ARS will furnish details upon request. Requests for application forms should be addressed to the Office of Scientific Personnel, Room 604-C, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. Completed applications must be received in that office not later than February 15, 1969.

Applications will be reviewed on a competitive basis by a panel of scientists appointed by the National Research Council. A completed application for an associateship must include evidence that the proposed problem, or a modified problem, suggested by the applicant for postdoctoral research lies within an area of investigation acceptable to the scientific adviser under whom he will work.

Awards will be made in the Spring of 1969. The associateship may begin no earlier than July 1, 1969, and continues for one year. An extension of up to one additional year may be granted, after the first six months, if such extension will benefit both the associate and the laboratory.

Excellent facilities and laboratory equipment are available for the conduct of the research described.