

# Sample Preparation Bombs

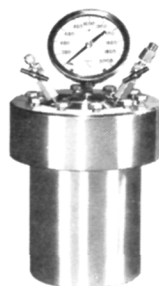
In Many Styles and Sizes



**Acid Digestion Bombs**, Teflon lined, for treating inorganic samples in HF, HCl and other strong mineral acids, or for digesting organic samples in strong alkalis or oxidizing acids at temperatures well above normal boiling points. Available in five different styles for various applications.



**Oxygen Combustion Bombs** for breaking down any solid or liquid combustible sample quickly and completely by oxygen combustion in a sealed bomb, for immediate conversion to soluble forms and complete recovery of all elements.



**General Purpose Bombs** in sizes from 21 ml to 2 gallons for a wide range of laboratory applications.

Our 16-page Bulletin 1100 details these bombs and their many unique applications. Write or phone for your copy.

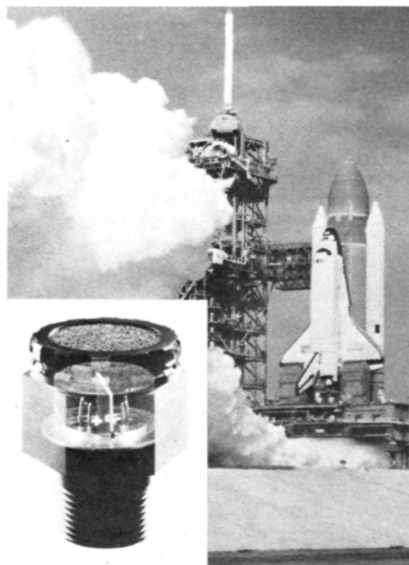


**PARR INSTRUMENT COMPANY**

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## News



During two recent test firings of the Challenger space shuttle, a hydrogen leak developed in one of the three main rocket engines. Launch team technicians using 17 small sensors were able to pinpoint the location of the leak before hydrogen reached explosive concentrations.

The operation of the combustible-gas sensor is based on the Wheatstone bridge principle. One of the two elements in the sensor (seen at left) is treated with a Pt catalyst. When hydrogen gas comes in contact with the heated elements, it is oxidized at the catalyst-treated element, thereby generating an additional amount of heat and causing a change in resistance in the Wheatstone bridge. The sensor, measuring  $2 \times 1\frac{1}{2}$  in., is manufactured by Rexnord, Electronic Products Division, Sunnyvale, Calif.

don, U.K. Contact: G. C. Young, SIMA, Leicester House, 8 Leicester St., London WC2H 7BN, U.K.

■ **1983 Pacific Conference on Chemistry and Spectroscopy.** Oct. 26-28. Pasadena, Calif. Contact: David L. Toppen, program chairman (ACS), Department of Chemistry, California State University, Northridge, Calif. 91330, 213-885-2064 or Robert Obremski, program chairman (SAS), Beckman Scientific Instrument Division, Campus and Jambo-ree, Irvine, Calif. 92713; 714-833-0751. April, p. 537 A

■ **Eighth International Symposium on Polynuclear Aromatic Hydrocarbons.** Oct. 26-28. Columbus, Ohio. Contact: Denise Cooley, Battelle, 505 King Ave., Columbus, Ohio 43201

**Adsorption Science and Technology** is a new quarterly journal scheduled to begin publication in October. It will contain original research papers, correspondence, and critical review articles concerning the science and applications of adsorption and desorption processes. Subscription information may be obtained from Blackwell Scientific Publications Ltd., P.O. Box 88, Oxford OX2 0EL, U.K.

**ChemSpec**, a new instrument company, produces **small monochromators and spectrographs** for general-purpose use in spectral analysis. The first product to be released is a monochromator that can be operated over the wavelength range 180 nm to 1.5  $\mu$ m. For more information, contact Thomas Mikes, ChemSpec, P.O. Box 712, Harvard, Mass. 01451; 617-263-2542.

**General Ionex Corporation**, a firm specializing in ion beam instrumentation for research and industry, and **Charles Evans & Associates** have opened a **Center for MeV Ion Beam Technology** in San Mateo, Calif. The center provides analytical services and promotes the use of Rutherford backscattering spectrometry and related MeV ion beam techniques. For more information contact Mike Stratham, Charles Evans & Associates, 1672 South Amphlett Blvd., Suite 120, San Mateo, Calif. 94402, 415-572-1601 or Alan Schwartz, General Ionex Corporation, 19 Graf Rd., Newburyport, Mass. 01950; 617-462-7147.

## For Your Information

**CAL—Computer Applications in the Laboratory** was introduced by Huethig Publishing Company at this year's Pittsburgh Conference. The new journal includes articles on applications of microcomputers in the laboratory, languages, programming, interfacing, and hardware and software reviews. Subscriptions for 1983 (four issues) are \$35. For more information contact Huethig Publishing Company, 611 Broadway, New York, N.Y. 10012.