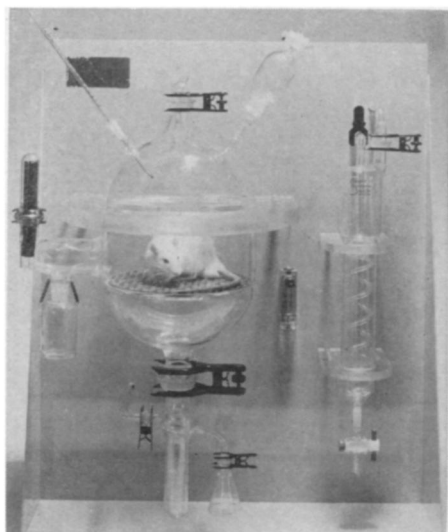


new products

Metabolic monitor



The Model MC 3000 Metabolic Monitor is designed by Stanford Glassblowing Laboratories for tracer studies in small animal metabolism and is available as a fully integrated device. Assembled only of glass, stainless steel and Teflon, its 8-inch-diameter Pyrex animal enclosure provides for the separation of feces and urine and for the absorption of expired carbon dioxide to permit analyses. By monitoring both air flow and temperature, a constant chamber environment can be maintained by researchers.

The design assures ready access to the enclosure for the introduction of food and water or for cleansing purposes.

*Stanford Glassblowing
Laboratories, Inc.
Dept. SN
4017 Fabian Way
Palo Alto, Calif. 94303*

Circle No. 123 on Reader Service Card

Spectrum analyzer

To single-scan the frequency range from 0.5-1,300 megahertz, Singer has developed a new Spectrum Analyzer series that can examine a frequency window down to one kilohertz. Both models, the SA-70A and SA-71A (with variable persistence display), provide 12 calibrated dispersion settings over this range. Sensitivity is high, minus 120 dBm at 200-hertz bandwidth; total measurement range is 130 dB—a dynamic range of 60 dB, attenuation of 70 dB. A built-in calibrator assures amplitude measurement to within 1-dB

accuracy. Equal amplitude signals, to 300-hertz separation, can be resolved.

Electronic Products Div.

The Singer Co.

Dept. SN

915 Pembroke St.

Bridgeport, Conn. 06608

Circle No. 124 on Reader Service Card

Strip-chart recorder

A new solid-state laboratory Servo Graphic Recorder, Series 320, offers small size and cost for analogue voltage form recording with a full-scale range from 1 millivolt to 100 volts. Available from Laboratory Data Control, it provides six chart speeds, accommodates 100 feet of strip chart with 20 square inches of writing area. The fiber-tip pen and disposable ink cartridge avoid ink smear. Accuracy is not degraded with input resistances up to 25,000 ohms.

Laboratory Data Control, Inc.

Dept. SN

42 Shelter Rock Rd.

Danbury, Conn. 06810

Circle No. 125 on Reader Service Card

Cryocooler

Low temperature refrigeration in laboratory applications can be obtained with a new series of low-cost closed-cycle helium coolers operating at any temperature in the 20-300 degree K. range. Built by Cryogenic Technology, Inc., the Cryodyne Model 20 has achieved 1 watt of cooling at 20 degrees K. and a terminal temperature below 17 degrees K.; the Model 70 yields over 5 watts at 70 degrees K. and a terminal temperature under 40 degrees K. Both can be operated in any orientation continuously for thousands of hours without degradation.

Cryogenic Technology, Inc.

Dept. SN

266 Second Ave.

Waltham, Mass. 02154

Circle No. 126 on Reader Service Card

Soil analysis kit

The teaching of both classical geological science and environmental effects on soil could be enhanced through use of a new Soil Analysis Outfit, Model AM-31, available from LaMotte Chemical Products. Instructions and equipment are included for making basic chemical and physical measurements of soil specimens: pH tests;

levels of nitrogen, phosphorus and potassium; soil texture tests. Test reagents are provided to perform 50 of each of the determinations.

LaMotte Chemical Products Co.

Dept. SN

Chestertown, Md. 21620

Circle No. 127 on Reader Service Card

Mercury analyzer

Fisher Scientific has announced a new Mercury Analysis Accessory, for use with its atomic absorption spectrophotometers, that employs a cold vapor (flameless) technique for quick determination of mercury content in surface or industrial waters. Considered both a positive and very sensitive method, it offers a detection limit to 0.2 parts in a billion.

Analysis involves the chemical reduction of mercury salts in the sample solution to elemental mercury. Next, the mercury is released through aeration from the solution and the vapor is passed through a quartz absorption cell, replacing the burner required by flame techniques. Thereafter, a conventional



atomic absorption measurement is made using a mercury hollow cathode lamp.

Jarrell-Ash Div.

Fisher Scientific Co.

Dept. SN

J501 Fisher Building

Pittsburgh, Pa. 15219

Circle No. 128 on Reader Service Card

Products are selected and listed as an editorial service geared to reader interest. The claims are the manufacturers' and further information on Products of the Week should be secured from them.