

NEW PRODUCTS AND EQUIPMENT

C^{14} Specifically Labeled Carbohydrates

Three specifically labeled carbohydrates have been added to the list of radioactive carbon compounds available from the Nuclear Instrument and Chemical Corporation.

These materials, made available for the first time to research workers, are D - Glucose - $1C^{14}$, D - Glucono- δ -lactone - $1C^{14}$, and D - Mannose - $1C^{14}$. They will be especially useful to workers in the fields of nutrition, intermediary metabolism, fermentation, and photosynthesis. They are now offered in addition to the uniformly labeled carbohydrates supplied by Nuclear-Chicago.

Because the specific activities of these compounds are high, their presence or presence of products arising from them can be detected in high dilution. They are available in four package sizes from 1 to 0.05 millicurie under regular A.E.C. licensing procedures. **PE1**

New Model Bag Packer

A new, smaller, more economical bag packer is now available from the H. L. Stoker Co. The manufacturer claims

that during extensive tests in commercial operations, this new bagger far-exceeded the performance expected by the designers.

The Packer fills valve or open-mouth bags and drums. It delivers 1 cubic foot in 5 to 10 seconds, depending on the material handled.

Stoker bag packers are designed to handle practically any powdered or granulated material such as sulfur, pulverized coal, clays, rosin, paint pigments, asbestos, some plastics, titanium, alfalfa meal, insecticide dusts, certain fertilizers, many other hard-to-handle materials. **PE2**

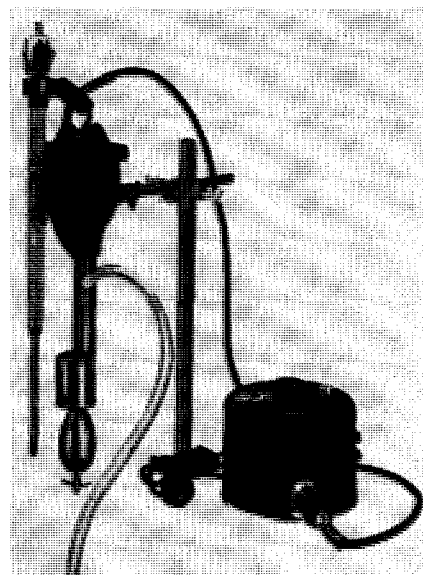
Calibrator for Particle Measuring Device

A calibrator attachment for the Sub-Sieve Sizer is available from Fisher Scientific. The calibrator is intended to serve as a primary standard to enable operators to read particle size measurements directly on the machine.

The Sub-Sieve Sizer is a Fisher instrument for the measurement of the average size of particles in the range of 0.2 to 50 microns. The instrument operates by measuring the air flow resistance

through a weighed sample of powdered material. The difference in air pressure across the powdered material is read on a manometer mounted before a calibrated chart. Average particle size in microns is read directly from the calibrated chart. **PE4**

Temperature Circulator



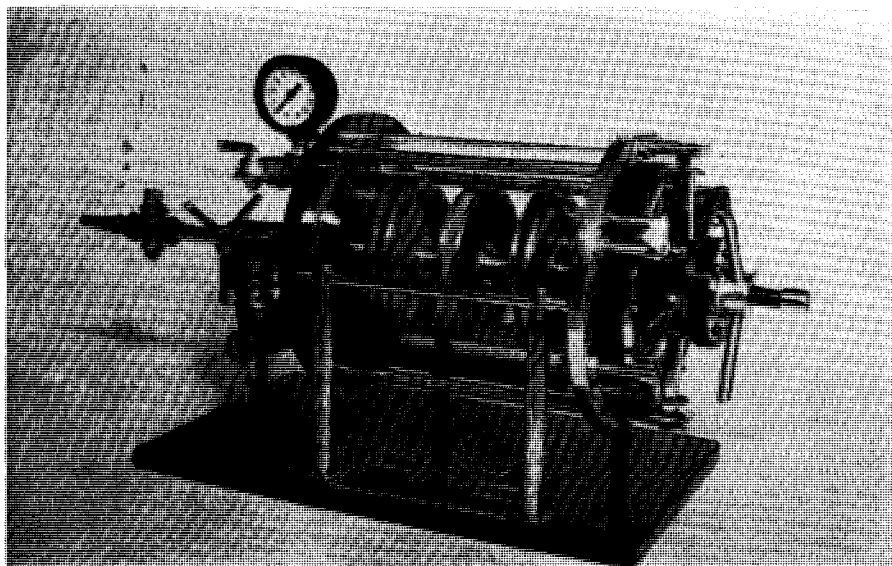
A compact constant temperature circulator by Bronwill converts any suitable container to a constant temperature bath or circulating system. Circulates liquid of accurately controlled temperature from room to 100° C. through instruments or devices through which such circulation is required. Complete unit consists of a stirrer and circulator, a 700-watt heater, a combination thermometer and thermoregulator, and an electronic relay. The circulator maintains a temperature constancy of ± 0.01 C. in suitably insulated baths. **PE5**

Liquid Level Monitor

A liquid level monitor for continuous level indication, recording and control in storage and processing tanks is offered by Techniflex Corporation. For remote applications, Techniflex claims this all electric monitor is suited to vessels operating under commercially used ranges of vacuum and pressure is not affected by ambient temperature conditions and works with a variety of liquids regardless of chemical or liquid properties. **PE6**

Pressure Leaf Filter Test Unit

Plastic model of production type pressure leaf filter unit constructed by Hercules Filter Corp. The all plastic filter was built to meet the need for a semi-production type filter unaffected by corrosive liquids. The filter is available with leaves made of three different materials; acrylic, glass reinforced polyester, and polyvinyl chloride. The all plastic filter should make it possible for manufacturers not only to determine the performance of the filter for the operation they are testing but also to determine the reaction of the three different types of plastics to the corrosive action of the materials being processed. The test filter is of 1 cubic foot capacity and Hercules will be glad to arrange for tests of the unit by manufacturers. **PE3**



▶ See coupon, page 1132, for further information ▶