

# PRODUCTS and MATERIALS

## Microscope Culture Chamber

The Dvorak-Stotler controlled environment culture chamber is circular in design with opposing ports. The chamber components that media or materials would touch are Teflon, stainless steel, glass, and a tin-silver alloy solder. The distance between optical surfaces does not exceed 1.2 mm and the chamber is recessed into the stage which renders the lower optical surface flush with the top of the stage. The device offers rapid and reproducible alterations in chamber environment and provides for referenced relocation of areas of interest. The 170- $\mu\text{m}$  cover glasses permit the use of high numerical aperture objectives and they may be removed cleanly for fixation and staining of adherent cells. Nicholson Precision Instruments. Circle No. 124 on Readers' Service Card.

## Photometric Analyzer

Enzyme kinetics and reaction end points may be studied with the ABA-100 Bichromatic Analyzer. The difference in absorbance at two wavelengths is measured and the effects of turbidity and interfering substances are minimized. Reagent consumption is reduced because of the system's sensitivity. A visual display indicates the sample carousel revolution, the particular sample station, and the reading. The operator may select either 30° or 37°C for the incubator and he may select from five analysis times. The system is complemented by the com-

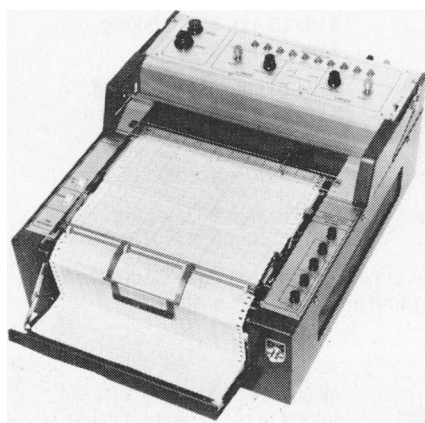
pany's A-Gent chemical reagents. Abbott Laboratories, Scientific Products Division. Circle No. 123 on Readers' Service Card.

## Heated Vacuum Desiccator

Vacutherm can accommodate up to 50 test tubes at a time. The 300-watt heater has a solid-state proportional regulator which maintains the temperature of the bottom of the chamber to within  $\pm 1^\circ\text{C}$  of any setting from 30° to 150°C. The desiccation chamber is an aluminum cylinder 18 cm high and 28 cm in diameter. There is a domed Plexiglas lid with a greaseless silicone rubber seal at the side wall of the chamber and a greaseless non-frictional vacuum valve at the center, 22 cm above the floor of the chamber. Trace moisture may be removed from samples or small quantities of liquid may be rapidly evaporated in this device. Zymel Corporation. Circle No. 122 on Readers' Service Card.

## Automatic Ranging Recorder

The Auto-Attenuator recorder (Fig. 1) eliminates manual switching of ranges when the pen goes off scale. An adjustment by the operator sets the



points, high and low, at which the recorder will automatically shift to the next higher or lower range. The recorder covers 11 spans from 1 millivolt to 2 volts or from 10 millivolts to 20 volts. A marker indicates the number and direction of range shifts. There are 24 chart speeds. Soltec Corporation. Circle No. 121 on Readers' Service Card.

## Literature

*Microchemical and Instrumental Analysis* is an 80-page manual that covers the use of Millipore membrane filters in a variety of techniques including microscopy, spectroscopy, autoradiography, and others. Millipore Corporation. Circle No. 125 on Readers' Service Card.

*EM Reagents: Classified Listings of Laboratory Chemicals* is a catalog of laboratory chemicals. It is indexed in 12 sections, including analytical reagents, indicators, buffer solutions, scintillation chemicals, and clinical diagnostic reagents. EM Laboratories. Circle No. 126 on Readers' Service Card.

*Clinical Laboratory Reference* will be offered annually. It will cover clinical products and instructions for laboratory procedures. Litton Publications. Circle No. 127 on Readers' Service Card.

*Chemical Handbook* gives structure, molecular formula, molecular weight, and important physical properties of more than 1000 lipids, pesticides, amino acids, carbohydrates, hydrocarbons, drugs, and other chemicals of biologic interest. Methods of preparation of derivatives are detailed also. Supelco, Incorporated. Circle No. 128 on Readers' Service Card.

*Research Chemicals for Organic Chemists* offers approximately 1200 compounds and lists their physical properties. PCR Incorporated. Circle No. 129 on Readers' Service Card.

*Prescription Chemicals and Narcotic Products Catalog* includes 50 new products among nearly 500 prescription chemicals, vitamins, and narcotic products. J. T. Baker Chemical Company. Circle No. 130 on Readers' Service Card.

Fig. 1. The Auto-Attenuator strip-chart recorder from Soltec Corporation. The operator designates points at which the recorder will shift ranges, either up or down, when the pen goes off scale.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card (see pages 306A and 370C) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER

# Science

## Literature

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