

PHOTOVOLT Line-Operated Multiplier FLUORESCENCE METER Mod. 540



- High-sensitivity for measurement of low concentrations (full-scale setting for 0.001 microgram quinine sulphate)
- Micro-fluorimetry with liquid volumes as low as 1 ml
- Low blank readings, strict linearity of instrument response
- Universally applicable due to great variety of available filters, sample holders, adapters and other accessories
- Interference filters for high specificity of results and for determining spectral distribution of the fluorescent light
- High-sensitivity nephelometry for low degrees of turbidities
- Fluorescence evaluation of powders, pastes, slurries, and solids, also for spot-tests on filter paper without elution

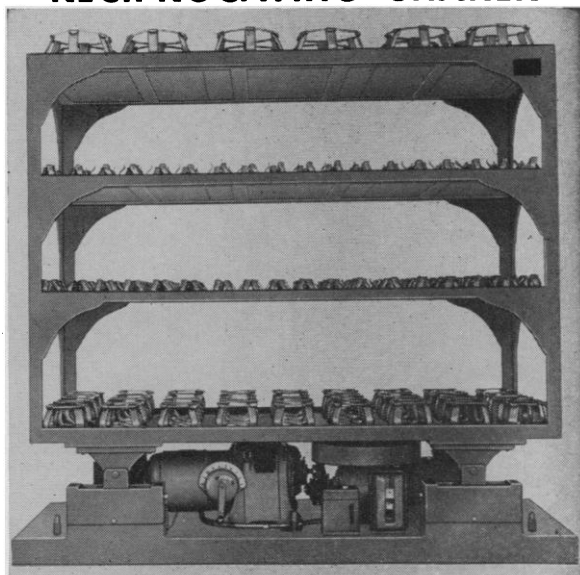
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A large capacity shaking apparatus of unique design which assures positive linear and uniform motion on all tiers. It has a variable speed range of 38-125 strokes per min. and an adjustable stroke of 0"-4". An automatic pressure feed lubrication system simplifies maintenance. Available with removable trays equipped with various types of clamps or other holding devices.

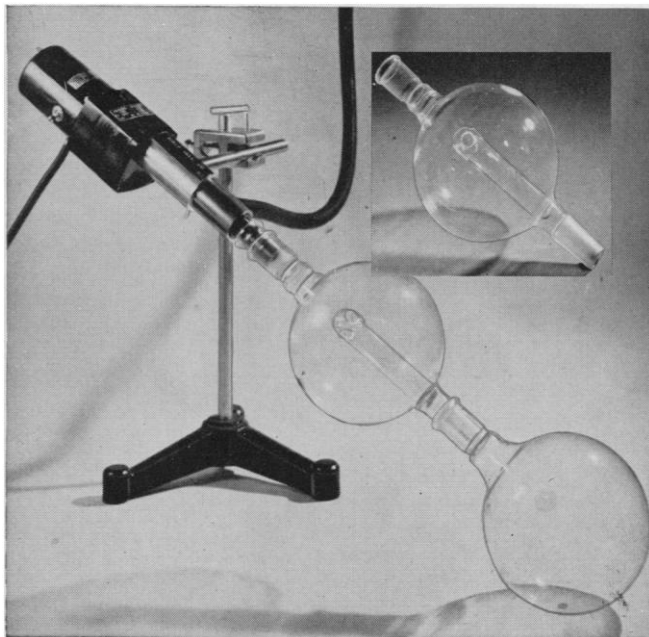
Detailed information available upon request



NEW BRUNSWICK SCIENTIFIC CO.

PRECISION LABORATORY APPARATUS

P. O. BOX 606 • NEW BRUNSWICK, N. J.



Rinco Rotating Vacuum-Type Evaporator

Speed evaporation of solvents of low volatility four or five times—varying with solvents.

Adaptable for volumes of 1 ml to 500 ml. Utilizes the principle of the spreading out of a thin film over large area and subjecting to negative pressure. Can be used in single or multiple units. At 20°C, 30 ml of water will be evaporated in 30 minutes. Especially useful with biological extracts or heat-sensitive compounds; will operate faster with increased temperature, if sample permits. Consists of a monel metal shaft with a $\frac{1}{2}$ 19/38 joint at lower end. Shaft rotates on oilite bronze bearings; Teflon ring seals; monel metal housing. Use with standard pump and trap, or standard aspirator. Flasks rotate at 93 r.p.m.

39474—Rinco Rotating Vacuum-Type Evaporator, with $\frac{1}{2}$ 19/38 joint to accommodate small flasks, such as 50 ml; with induction type motor; for 115 v., 60 cycles, A.C. each. \$114.50

39475—Rinco Evaporator, with brush-type motor. . . \$96.50

80820D—Adapter, "Pyrex" Brand, for adapting $\frac{1}{2}$ 19/38 joint of Rinco Evaporator to larger flasks, having a $\frac{1}{2}$ 24/40 joint, each. \$1.83

New Rinco "Solvent Recovery Condenser"

Valuable accessory to Rinco Evaporator. Connects to flask of Rinco Evaporator with standard taper ground glass joints. Rotates with evaporating flask. Recovers in excess of 75% of solvent. Increases speed of evaporation 2 to 3 times. Easy to cool with cold water or ice. Protects vacuum pump and system from corrosive solvents.

39477—Solvent Recovery Condenser, standard size, 1000 ml, with 500 ml working capacity, $\frac{1}{2}$ 24/40 ground glass joints, (Other sizes available on request) Each. . . . \$16.00



ALOE SCIENTIFIC

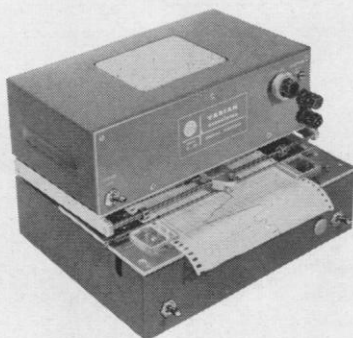
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Equipment News

■ **INSTRUMENT REFERENCE MANUAL** designed to familiarize laboratory workers with instrument methods of analysis is available from Coleman. This publication contains a complete description of the most commonly used methods of instrument analysis, including spectrophotometry, nephelometry, colorimetry, pH measurement, fluorimetry, and flame photometry. (Coleman Instrument Co., Dept. Sci., Maywood, Ill.)

■ **PRECISION WASHING MACHINERY** is the title of a new booklet that describes two main types of automatic and semi-automatic friction-method cleaning machines, pressure-spray jet washers, and powered out-of-water brush machines. (Southern Cross Mfg. Corp., Dept. Sci., Chambersburg, Pa.)

■ **INFRARED CO₂ ANALYZER**, Liston-Becker model 16, is described in a new folder. Equipment is illustrated in various operational setups and described with emphasis on its speed, specificity, and accuracy. Characteristic recording traces are included showing normal respiration, hyperventilation, breath holding, and calibration operations. The publication includes specifications and an extensive bibliography covering applications of infrared CO₂ analyzers as well as effects of abnormal CO₂ levels (Spinco Div., Beckman Instruments, Inc., Dept. Sci., 732 O'Neill Ave., Belmont, Calif.)

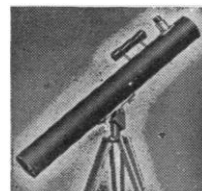
■ **DUST-PROOF HOOD** for performing operations under stereomicroscopes eliminates dust by forcing outside air through a blower system and into a plenum chamber. This blower system is capable of filtration to 1/2-μ efficiency and provides for external removal of filters. (P. M. Lennard Co., Dept. Sci., 196 DeGraw St., Brooklyn 31, N.Y.)

■ **COLUMBOMETRIC TITRIMETER** is designed to eliminate standard solutions from the chemist's list of problems. It generates ions of titrant electrically, right in the sample. There are no solutions to standardize and restandardize, and the titration is carried out automatically from start to finish. The instrument is equipped with a wide variety of interchangeable, "unitized" electrodes, so that it can perform a number of difficult analyses for which there are no other satisfactory rapid methods. Its biggest uses are for speeding and simplifying determinations of mercaptans in petroleum products and halides in trace quantities. Less than 30 μg of mercaptan sulfur (0.0006 percent in a 5-ml sample of gasoline) can be determined with ± 1-percent accuracy, according to Fisher engineers. (Fisher Scientific Co., Dept. Sci., 717 Forbes St., Pittsburgh 19, Pa.)

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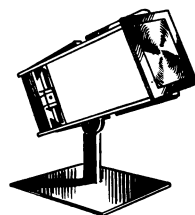


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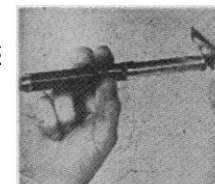


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