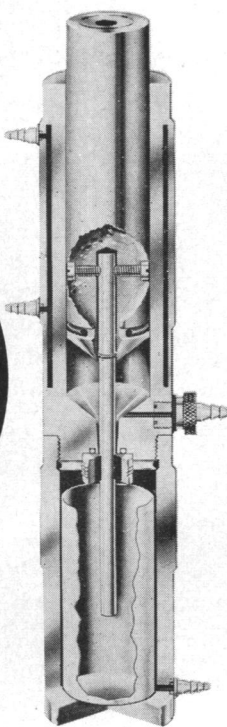


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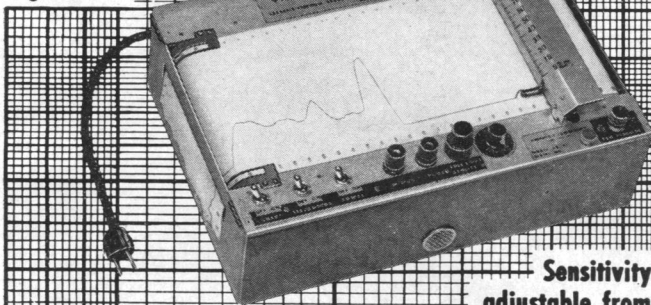
REF: Emanuel & Chaikoff, Biochem, Biophys, Acta, 24 (1957)

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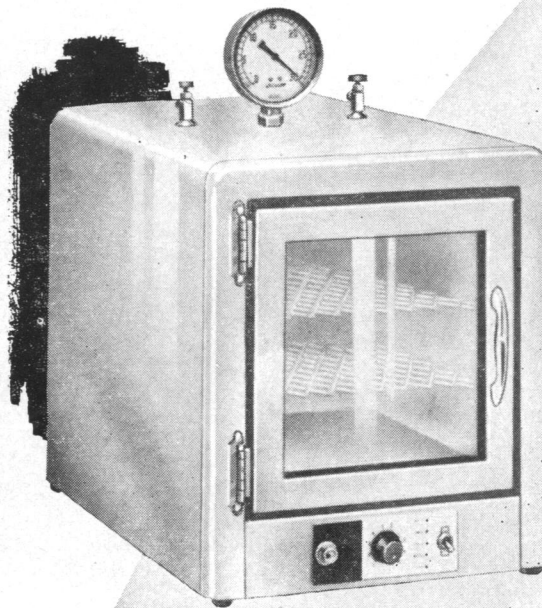
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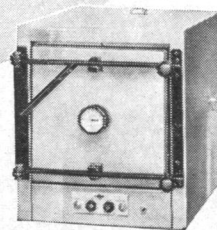
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EQUIPMENT NEWS

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science does not assume responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to Science, Room 740, 11 W. 42 St., New York 36, N.Y. Include the name(s) of the manufacturer(s) and the department number(s).

■ **OSCILLOSCOPE SHADOW SCREEN** is a thin sheet which fits directly in front of the cathode-ray screen to block ambient light. Hexagonal openings in the screen permit direct viewing but intercept oblique illumination. The gain in contrast is said to be similar to that achieved by use of a hood. (Van-Dee Products, Dept. S707)

■ **SCINTILLATION COUNTER** for carbon-14 uses liquid phosphor scintillator. Coincidence amplification and pulse-height analysis reduce background to 15 to 20 count/min. Counting efficiency is said to be 80 percent. (NRD Instrument Co., Dept. S715)

■ **PHOTOMICROGRAPHIC ATTACHMENT** permits use of standard monocular, binocular, or stereoscopic microscope for photomicrography. A beam-splitting prism

permits the microscopist to observe the specimen before and during exposure. Adjustable stabilizing rods keep the camera, attachment, and microscope aligned. (National Instrument Co., Dept. S732)

■ **LIQUID-LEVEL CONTROL ELECTRODE** is rated for pressures to 10,000 lb/in.² and for temperatures to 700°F. The electrode comprises a glass center-electrode seal, a copper compression gasket, stainless-steel shell, and a 95 percent aluminum oxide insulator. Other materials may be substituted for special requirements. (Auburn Spark Plug Co., Inc., Dept. S733)

■ **SWEEPING OSCILLATOR** covers the range 20 cy/sec to 20 kcy/sec in a single sweep. Accuracy is ± 4 percent, including warmup drift and aging of tubes and components. An R-C oscillator circuit is used. (Hewlett-Packard Co., Dept. S723)

■ **ABSORBER SET** is a laboratory tool for establishing absorption curves for checking radiopurity of an isotope or for estimating isotopic composition. The set consists of 30 calibrated absorbers, 25 aluminum and five lead, mounted in Lucite rings 1 $\frac{7}{8}$ in. in diameter. A carrier slide is furnished. (Technical Associates, Dept. S720)

■ **INFRARED ACHIROMAT** is a two-element lens designed for high speed and minimum spherical and chromatic aberration. The lens is corrected for infinitely distant objects emitting radiation between 2 and 5 μ . Good transmission is obtained between 1 and 6 μ . An illustrative lens has a nominal focal length of 2 in. and a relative aperture of $f/1.2$. Antireflection coating can be furnished. (Servo Corporation of America, Dept. S730)

■ **DERIVATIVE-MEASURING DEVICE** is designed to read slope directly from a curve. A flexible metal strip is forced to conform to the curve of which the derivative is to be taken at five points in the neighborhood of the point of measurement. (Gerber Scientific Instrument Co., Dept. S727)

■ **STIRRER** sweeps a stainless-steel stirring element through the liquid with a wrist-like motion. The vortices created by this motion are said to prevent "dead spots" in the liquid volume. (American Laboratory Apparatus Corp., Dept. S728)

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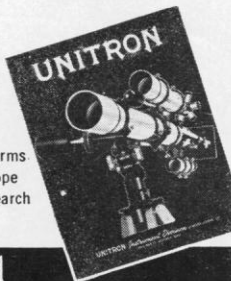
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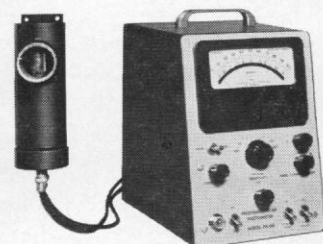


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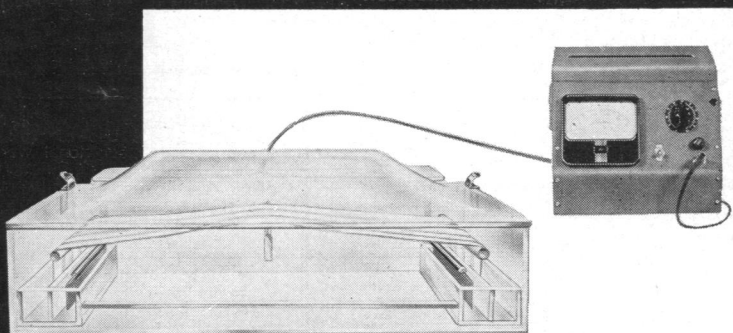
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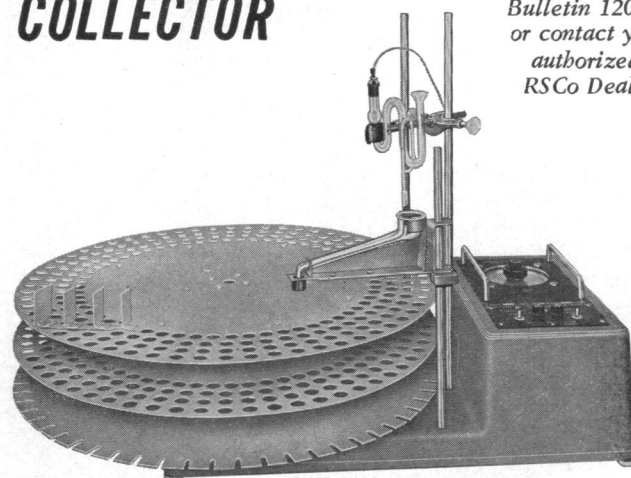
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(a) **Biophysicist or Biochemist**, Ph.D., to serve as consultant, research institute specializing in cardiovascular research; plans complete for increasing scope into other research fields; \$10,000-\$12,000; medical center, Midwest. (b) **Senior Toxicologist**, Ph.D., excellently equipped laboratories for scientific criminal investigations. (c) **Bacteriologist** trained in biochemistry; research in hypersensitivity, teaching, state university, West. (d) **Virologist**, preferably Ph.D., master's considered; duties consist of conducting survey of research organization; East; junior man, \$8,000; senior, \$12,000-\$17,000. (e) **Professor or Assistant Professor of Physiology**; duties involve teaching, primarily in mammalian physiology and anatomy, and development of research program of candidate's choice; not more than 12 contract hours per week of teaching; new research laboratories with facilities research any area of physiology; coeducational university; resident enrollment 6500. S11-2 Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago. X

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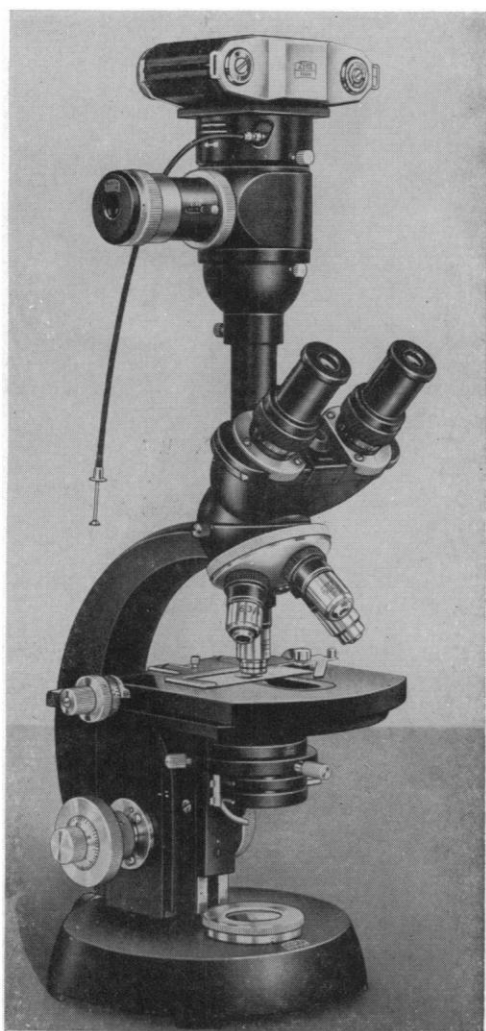
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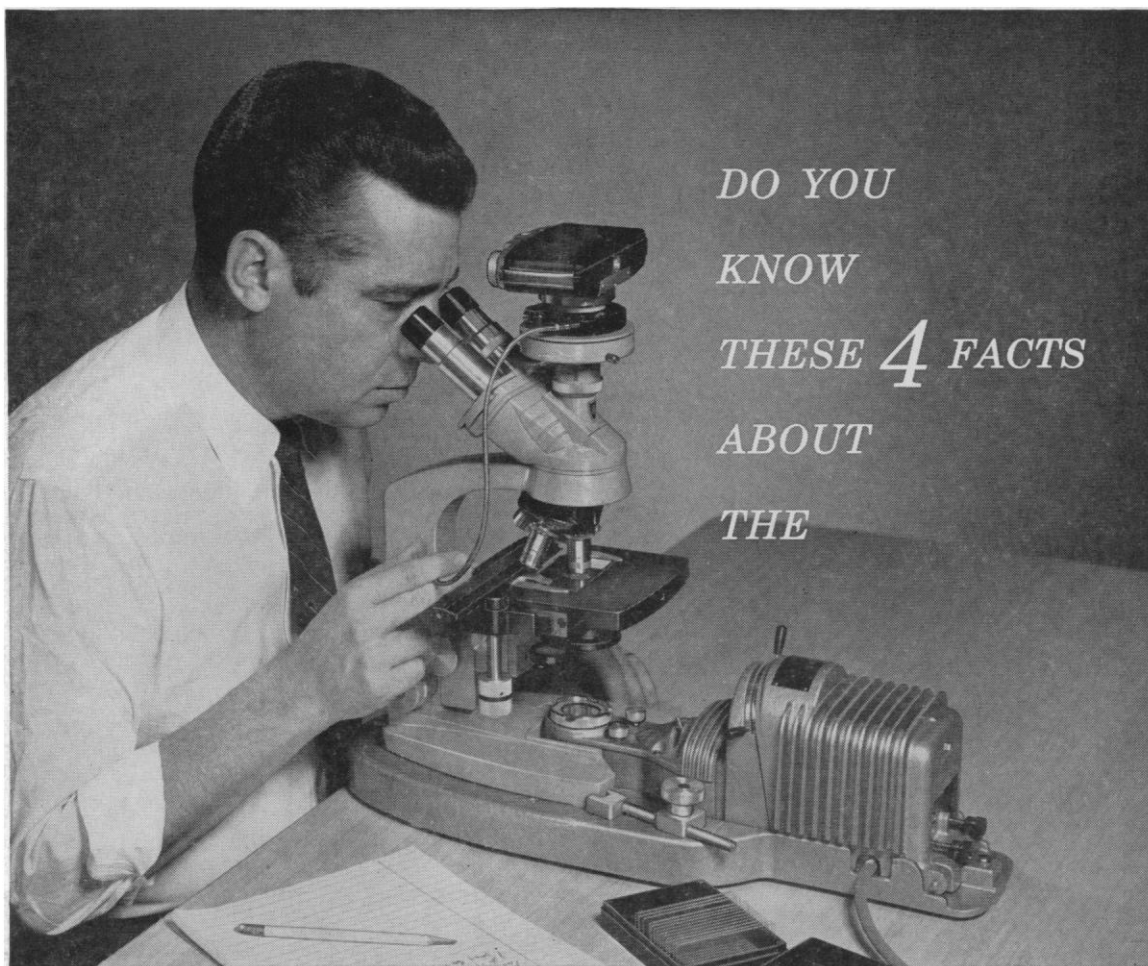
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