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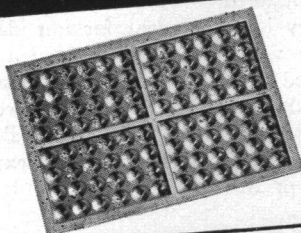
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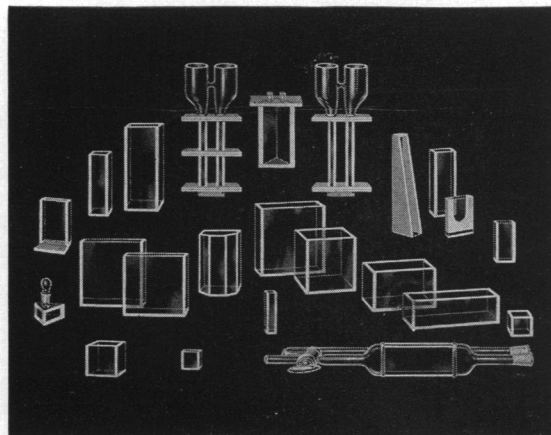
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EQUIPMENT NEWS

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. A coupon for use in making inquiries concerning the items listed appears on page 614.

■ **LOGARITHMIC PICOAMMETER** reads from 10^{-11} to 10^{-5} amp without range switching. The meter is designed for monitoring rapidly varying currents in nuclear-reactor control. Polarizing potential of

+216 v is provided. Accuracy is within ± 0.02 decade, and zero drift is less than 0.05 decade in 24 hours. Typical response times are small fractions of a second. (Keithley Instruments, Inc., Dept. S953)

■ **ATOMIC MODELS** for constructing organic metal chelate compounds are designed according to the method of Stuart and Briegleb and sealed to a magnification of 1.5×10^8 . Four models represent various central metal atoms; six others represent various linkages. (Arthur S. LaPine & Co., Dept. S948)

■ **HIGH-SPEED, SEQUENTIAL IMAGE CAMERA** uses a converter tube with magnetic focus and magnetic deflection. The cathode is 1-in. in diameter, the screen about $3\frac{3}{4}$ in. Six sequential pictures, each approximately 22-mm square, can be presented on the screen. Five exposure times, from 0.1 to 10 μ sec, are available. Repetition rate can be up to 5000 per second. (Hett Associates Inc., Dept. S936)

■ **CIRCUIT TESTER** is programed by perforated tape to perform production and maintenance tests, including measurement of impedance, voltage, resistance, leakage, and continuity. For each measurement, any two points are selected from 300 test leads by a crossbar switching unit. Bridges are used to compare the value observed with reference standards contained within the instrument. Accuracy is ± 1 percent for impedance and a-c voltage and ± 0.5 percent for resistance and d-c voltage. An accessory printer for making permanent records of tests is available. (California Technical Industries Division of Textron Inc., Dept. S941)

■ **VACUUM ARC FURNACE** utilizes either consumable or nonconsumable electrodes for production of experimental quantities of high-purity metals. A 0.5-lb charge of titanium, or an equivalent amount of other metals, can be handled. Furnace pressure can be held at any value from 2 lb/in.² above atmospheric pressure to 10 μ -Hg. A high-frequency arc starter is provided to draw the initial arc with the material to be melted. (Vacuum Equipment Division, New York Air Brake Co., Dept. S942)

■ **VOLTAGE AND CURRENT CALIBRATOR**, for measurement of pulse amplitudes, samples two variable calibrated reference voltages and the signal to be measured and displays them, superimposed, on an oscilloscope. The two reference voltages, of 0.001-percent stability, may be set to define a tolerance range or may be adjusted to the same value as the signal for amplitude measurement. Ten ranges cover 0 to 500 v and 0 to 1000 ma. Zero-suppression permits use of a high-gain oscilloscope. (Electro-Pulse Inc., Dept. S943)

■ **WAVEFORM TRANSLATOR** provides a means for plotting repetitive waveforms representing frequencies up to 20 kcy/sec on conventional X-Y plotters. The instrument is designed to accept signals from an oscilloscope but may be used independently. Stroboscopic sampling of the signal waveform is the method used to match the rapidly varying pattern to the speed of the plotter. Intensity modulation of the oscilloscope trace allows the operator to observe

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■ **PULSE-HEIGHT ANALYZER** of 100 channels uses quartz-delay-line data storage as originally developed by Hutchinson and Scorrott. The pulse-height spectrum is printed out on paper tape; both channel number and pulse count are recorded decimally. The count in each channel may be viewed on a monitor oscilloscope. A choice of 0.2- or 1-v channel width is provided. Capacity is 10^5 counts in each channel. Over-all average dead time is 510 μsec . Accessories available include a digital-to-analog converter for plotting spectra. (Technical Measurement Corporation, Dept. S951)

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(a) Associate Medical Director; preferably physician experienced in pharmaceutical field; major company, East. (b) Analytical Chemist preferably with bioanalytical experience and, also, industrial experience, biochemistry or development chemist with master's or higher and experienced in isolation of natural compounds and chemical engineer experienced in fermentation or chemical pilot plant work; large industrial company; Pacific Coast. (c) Head, Department of Biological Sciences; duties involve supervision and scientific leadership of established group of professional and supporting personnel; should be specialist in one of biological sciences, Ph.D. or M.D.; considerable industrial experience required; one of leading research companies; outstanding opportunity. (d) Chemist qualified in microbiology to direct research laboratory, major industrial company; university city, East; \$10,000-\$12,000. S3-2 Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago. X

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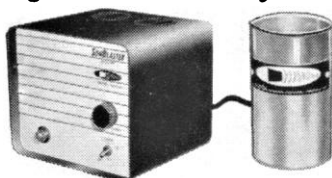
Biologist. B.S., horticulture, M.S., genetics; Ph.D., physiology; now teaching, research at northeastern university; publications; specialties hormones, developmental genetics, flowering. Desires teaching, research outside Northeast. Box 51, SCIENCE. 3/14

Chemist (major, general chemistry; minor, biochemistry); 6 years, associate professor, biochemistry, one of leading universities; 8 years, director of research, pharmaceutical company. Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago. X

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Generator Model No.	Tank Model No.	Interior tank size (in.)	Tank Capacity	Price
G-201	NT-201	4-5/8 deep x 3-5/16 diam.	1/8 gal.	\$175
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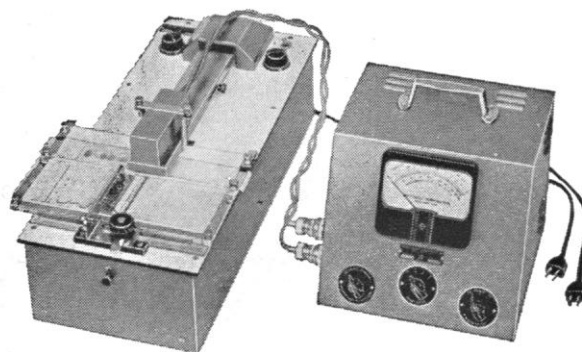
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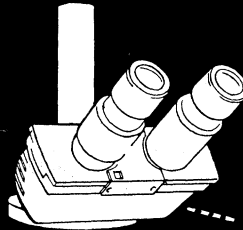
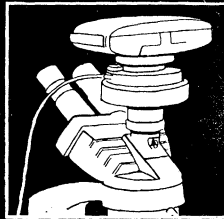
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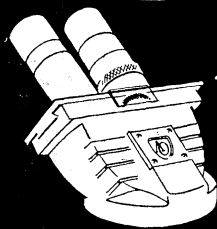


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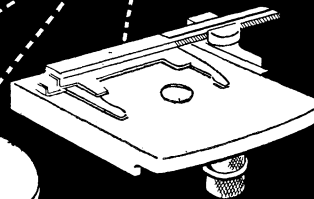
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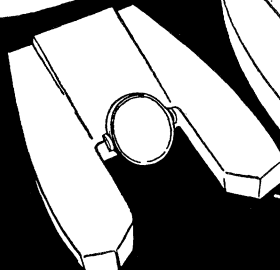
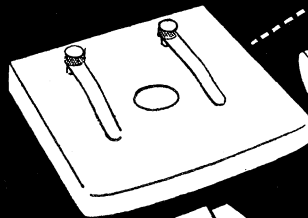
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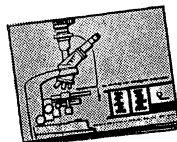


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