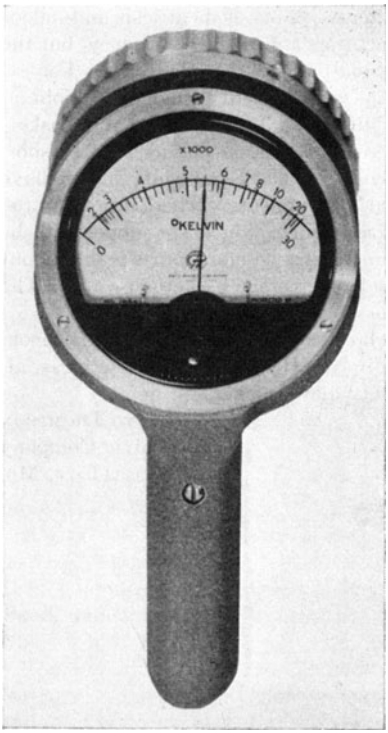
New Products

Further information concerning the material described below can be obtained by writing direct to the manufacturers. As in the case of technical papers, publication of these news items does not constitute endorsement of the manufacturer's statements nor of his products.

Spectra Direct Color Temperature Meter

Photo Research Corporation, 15024 Devonshire Street, San Fernando, California, announces the Spectra Direct Color Temperature Meter, developed by Karl Freund. Color temperature of incident light is measured by pointing the side containing a photoelectric cell toward the camera or source of light, and turning the diaphragm ring until the meter needle comes to a reference mark. When a trigger is pressed, the color temperature is indicated directly on a scale reading from 2000 to 30,000 degrees Kelvin.



Automatic Tristimulus Integrator

General Aniline and Film Corporation, 230 Park Ave., New York 17, N. Y., and **Librascope, Inc.,** Burbank, California, recently introduced an automatic tristimulus integrator to be used with the General Electric recording spectrophotometer.

The primary elements in the mechanical computer are ball and disk integrators. Wavelength and reflectance, or transmittance, of the sample are fed into the computer by servomechanisms. The only modification required on a standard spectrophotometer is the installation of two Selsyn transmitters, the removal of a section of panel, and installation of two rails. Normal operation of the spectrophotometer is not affected.

While a sample is being measured in the spectrophotometer at either high or low speed, the integrator automatically computes the tristimulus values to a precision of about ± 0.0005. When the curve is completed, the values are read from three counters on the computer, the counters are reset to zero, and the next sample may be run. Thus tristimulus values are obtained with practically no additional time beyond that normally required for drawing the spectrophotometric curve.