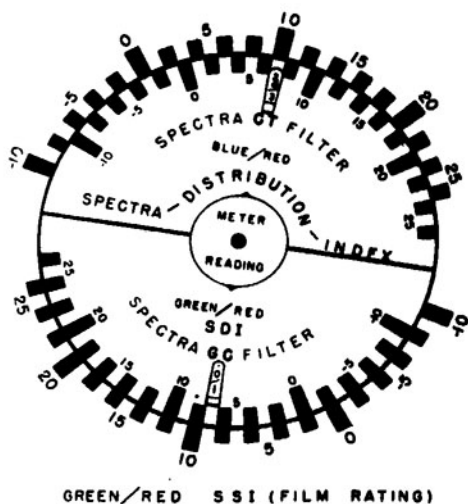


— New Products —

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.



The Spectra Three-Color Meter is a new instrument recently announced by Photo Research Corp., Burbank, Calif., succeeding the firm's Spectra color temperature meter widely used in motion picture color photography.

Designers of the new instrument have spent several years developing a system which would relate the amounts of red, green and blue in an illuminant to the color balance of different types of color film and to the selection of any necessary corrective filters. The result is a log index derived from the ratios of blue to red and of green to red. The Spectra Index for photoflood lamps is 2.0/1.0 which means that a photoflood lamp emitting light of the color for which Type A color film is balanced will give a reading of 2.0 on the blue-red scale of the meter, and of 1.0 on the green-red scale.

If the B-R reading is more than one unit high or low, a correction filter of the turquoise-salmon series must be applied. If the G-R reading is more than half a unit away from the correct value, a correction filter of the green-magenta series must be placed over the lens. In either case, a computer (right, above) indicates directly the filter to employ. A card is furnished indicating the Spectra Index ratings of available color film materials.

To facilitate the use of the three-color system, the firm is also making a complete series of mounted glass filters to match the scales of the Three-Color Spectra. One series of filters, the *CT*, provide the usual type of correction for yellowish or bluish light. The new series, the *GC*, correct for a deficiency or excess of green in the illuminant.

In addition to supplying the new meter, Photo Research Corp. reports that it will convert any of the older two-color meters to the new model, at a reasonable charge, the shape and general construction of the instrument having been kept the same.