

from the lamp with the gelatin filter may contaminate the light hitting a face. This has the adverse effect of making the face appear unnatural.

The chief advantage of the use of gelatin filters is in creating a mood. A scene representing lighting by a fireplace or old-fashioned gas lamps can be greatly augmented by the use of ambers, yel-

lows, etc. The pinks and reds can also be employed to indicate warmth, happiness, etc. In the case of a cold exterior, blues can be employed advantageously. These are legitimate uses for gelatin filters, limited only by the ingenuity and artistic taste of the lighting director.

Actual experience and experimentation have convinced us that anything

that can be done in black-and-white TV can be done in color TV; all that is required is a proper understanding of the limitations and the techniques that can be employed to compensate for the limitations. Technical advances in this field will put more tools in our hands to create more effective and beautiful pictures.

## 16mm Registration and Steadiness Test Film

A NEW 16mm test film that measures registration, aperture size, resolution, shutter timing, centering of the image, steadiness of its own test image with respect to the perforation, and also provides a "thousandths scale" for measuring film movement in double-exposure testing of printer steadiness has been added to the Society's catalog of films. Providing in a single test film of high accuracy several quantitative visual tests that have always been difficult to perform, this reel will be used for quality control by manufacturers of 16mm projectors, in film

laboratories to adjust 16mm printers, and for precise alignment of 16mm black-and-white and color television film chains.

Development work on the film was done over a period of two and a half years by George W. Colburn of Geo. W. Colburn Laboratories, Chicago. The film, Code-Reg-16, comes in lengths of 100 ft and is priced at \$27.50, available from the Society of Motion Picture and Television Engineers, 55 West 42d Street, New York 36, N.Y.

