

2:00 P.M. High-Speed Photography, Colonial Room

Recording and Assessment of Telemetered Data

RODERICK M. McCLUNG, *U.S. N.O.T.S., China Lake, Calif.*

A method for recording telemetered data on 35mm film and then reading this data by photoelectric methods is discussed.

2:00 P.M. Color Film Sensitometry, Ambassador Theatre

Sensitometers for Color Films

O. E. MILLER, *Color Technology Div., Eastman Kodak Co., Rochester, N.Y.*

Because of the complexity of color films and processes and the additional quality attributes that must be kept under control, sensitometric test exposures must be of high precision. Exposure conditions should closely simulate the conditions under which the films are used. The chief characteristics that must be controlled are the light intensity, the spectral energy distribution, and the exposure time. Control of a sensitometer is best accomplished by controlling its separate components, the light source, the filters and the timing mechanism. In addition to primary calibration, overall characteristics may be checked frequently by physical photometry or by photographic comparisons with a standard.

Color Densitometers: Performance Characteristics

W. L. BREWER and S. A. POWERS, *Color Technology Div., Eastman Kodak Co., Rochester, N.Y.*

Color densitometers in motion picture film processing laboratories are used for film processing

control, printer control, print film evaluation in terms of its visual characteristics, and negative or intermediate film evaluation in terms of its printing characteristics. Characteristics of a color densitometer which are of interest in considering its suitability for these various applications include density range, measuring geometry, stability, linearity, precision and accuracy. Methods for evaluating each of these performance characteristics are described.

Color Densitometers: Control Methods

M. C. GODDARD and S. A. POWERS, *Color Technology Div., Eastman Kodak Co., Rochester, N.Y.*

Color densitometers, used for process control and film evaluation, must be controlled if they are to perform satisfactorily. Characteristics to be controlled include spectral sensitivity, measuring geometry, stability, linearity, precision and accuracy. Routine adjustments provide part of this control. Checks through film strips or filters furnish control data. Control materials must be calibrated. The control data may be plotted on control charts, or a single, statistical "go-no-go" gauge may be devised.

Densitometers for Control of Color Motion-Picture Film Processing

JOHN G. FRAYNE and J. H. JACOBS, *Westrex Corp., Hollywood, Calif.*

The widespread use of negative and positive color films now available to the motion picture industry has introduced new, more complicated and more exacting control requirements in the film-processing laboratories. In step with this trend, two new densitometers have been developed. One instrument is intended to provide precise control of the new color picture processes, while the other provides diffuse den-

sity measurements of black-and-white, silver-sulfide, and silver-image-with-dye soundtracks. The instruments, their application and performance, are described.

8:00 P.M. Color Session, Academy Award Theatre

Color and Brightness in Projected Color Pictures

RALPH M. EVANS, *Color Technology Div., Eastman Kodak Co., Rochester, N.Y.*

This formal lecture will include demonstrations of color adaptation and brightness adaptation. Special projection equipment will be used to obtain desired effects.

LADIES PROGRAM—Aside from the Monday Get-Together Luncheon and the Wednesday evening Cocktail Hour, Banquet and Dance, noted above, the exact schedule of events had not been laid down at press time. Detailed arrangements for the Ladies Program are in the hands of Mrs. Philip P. Caldwell and Mrs. John G. Frayne and their planning for a full program of interesting activities in the motion-picture capital is well ahead.

Employment Service

These notices are published for the service of the membership and the field. They are inserted for three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Motion Picture Production. Desire position as assistant to producer. Background includes camera experience, some directing in 35mm productions. Age 24. Write: Harry Wuest, 137 Summit Ave., Upper Montclair, N.J.

Positions Available

16mm Printers, Color Timer, Negative Converter: Permanent positions for qualified, experienced personnel. Company benefits. Send complete information and small photograph to Byron, Inc., 1226 Wisconsin Ave., Washington 7, D.C.

Motion-Picture Laboratory Technician (Sensitometry), GS-8, \$4620 per year. Applicants must have at least 4½ years experience in all phases of motion-picture film processing in black-and-white and color. Position requires ability to handle quality control in processing and to make recommendations for and assist in improving the product. Further information from MCGCER, Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Ohio.

Photographic Sales Technician. Require competent technician with at least two years' college chemistry and phototechnical school training or equivalent. Must have thorough knowledge of black-and-white, color, studio, and photofinishing techniques. Must show definite interest in sales and willingness to travel. Send brief resume, including approximate salary requirements, to Gerald G. Wood, Ansco, 29 Charles St., Binghamton, N.Y.

Laboratory Technician with years of experience and thorough knowledge of all phases of motion picture laboratory work—as assistant to plant superintendent. **Sensitometric Control Man** with thorough background and experience—full responsibility. **Sound Engineer** to maintain and operate magnetic and optical re-recording equipment. Applicants should contact: Herbert R. Pilzer, Circle Film Laboratories, Inc. 33 West 60th St., New York 23. Tel. Co 5-2180

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