

Papers Presented at the Los Angeles Convention, April 27 – May 1

(By Sessions)

MONDAY NOON—Get-Together Luncheon

Mitchell Wolfson, Wometco Theatres, Miami, Fla., "The Motion-Picture Industry."

MONDAY AFTERNOON—Stereo Sound and Sight Session

Harvey Fletcher, Brigham Young University, Provo, Utah, "Stereophonic Recording and Reproducing System—Historical and General Theory."

Lorin D. Grignon, 20th Century-Fox Film Corp., Beverly Hills, Calif., "Stereophonic Recording for Motion Pictures."

R. A. Sherman, Bausch & Lomb Optical Co., Rochester, N.Y., "Beneficial Effects of Properly Produced and Projected Stereoscopic Motion Pictures on Binocular Visual Performance."

MONDAY EVENING—Stereoscopic Motion-Picture Session

John A. Norling (Committee Chairman), Loucks & Norling Studios, New York, "Stereoscopic Motion Pictures Committee Report."

William F. Kelley, Motion Picture Research Council, Hollywood, Calif., "Slide Demonstration of Stereoscopic Principles."

Loren L. Ryder, Paramount Pictures Corp., Hollywood, Calif.; Douglas Shearer, Metro-Goldwyn-Mayer Studios, Culver City, Calif.; William A. Mueller, Warner Brothers Pictures, Inc., Burbank, Calif.; and Stanley D. Horsley, Universal-International Studios, Universal City, Calif., "Excerpts From Major Studio Stereo Tests and Productions."

TUESDAY MORNING—Television Session

The 1354th Video Production Squadron, Air Photographic and Charting Service, MATS—USAF—exhibition held at CBS-TV City.

W. A. Palmer, W. A. Palmer Films, Inc., San Francisco, Calif., "Closed Circuit Video Recording for a Fine Music Program."

R. S. O'Brien, R. B. Monroe and P. E. Fish, CBS Television, New York, "CBS Television City Audio and Video Facilities."

George C. Izenour, Century Lighting Co., New York, "Control System for Stage and Television Lighting."

Tour of CBS Television City Plant.

TUESDAY AFTERNOON—Symposium on Stereoscopic Motion Pictures

John A. Norling, Loucks & Norling Studios, New York, "Stereo Camera Design."

Raymond J. Spottiswoode, Stereo Techniques, Ltd., London, England, "Space Control and the Use of the Stereo Window."

Armin J. Hill, Motion Picture Research Council, Hollywood, Calif., "Binocular Vision and the Perception of Projected Stereoscopic Pictures."

Merle H. Chamberlin (Moderator), Metro-Goldwyn-Mayer Studios, Culver City, Calif., "Panel Discussion on Projection and Exhibition of Stereoscopic Motion Pictures."

TUESDAY EVENING—Television Session

- R. A. Isberg, Consulting Television Engineer, Palo Alto, Calif., "Increasing the Efficiency of Television Station Film Operations."
Louis N. Ridenour and George W. Brown, International Telemeter Corp., Los Angeles, Calif., "Fundamental Problems of Subscription Television; The Telemeter System."
I. J. Kaar, General Electric Co., Syracuse, N.Y., "The NTSC Color Television System."
Otto H. Schade, RCA Victor Division, Harrison, N.J., "Optical and Electrical Equivalents in Television and Photography, A Progress Report on Applications of Aperture Theory."

WEDNESDAY MORNING (Concurrent Sessions)

—————Drive-In Theater and Film Editing Session

- Ralph H. Heacock (Committee Chairman), RCA Victor Division, Camden, N.J., "Film-Projection Practice Committee Report."
Ralph H. Heacock, RCA Victor Division, Camden, N.J., "Improved Equipment for Drive-In Theaters."
J. R. Hoff, The Ballantyne Co., Omaha, Nebr., "Drive-In Theater Dub'l Cone In-a-Car Speaker."
Loren L. Ryder and Charles R. Daily, Paramount Pictures Corp., Hollywood, Calif., "Brighter Pictures for Drive-Ins."
G. R. Crane, F. Hauser and H. A. Manley, Westrex Corp., Hollywood, Calif., "Westrex Film Editor."
Walter H. Hicks, Centaur Products Corp., Manhasset, N.Y., "A Nonintermittent Photo-magnetic Sound-Film Editor."

—————High-Speed Photography Session

- Mabry Van Reed, U.S. Naval Ordnance Test Station, Pasadena Annex, Pasadena, Calif., "Photography for High-Velocity Missile Tests at Morris Dam Test Range."
Field Trip to U.S. Naval Ordnance Test Station's Morris Dam Test Facility, Azusa, Calif.

WEDNESDAY AFTERNOON — Symposium on Screen Brightness

- Frank F. Crandell, Photo Research Corp., Burbank, Calif., "The Spectra Brightness Spot Meter."
F. P. Holloway, R. M. Bushong and W. W. Lozier, National Carbon Co., Fostoria, Ohio, "Recent Developments in Carbons for Motion Picture Projection."
Lawrence D. Clark, Eastman Kodak Co., Rochester, N.Y., "Picture Quality of Motion Pictures as a Function of Screen Luminance."
L. A. Armbruster and W. F. Stolle, Eastman Kodak Co., Rochester, N.Y., "Optimum Screen Brightness for Viewing 16 mm Kodachrome Prints."
Raymond L. Estes, Eastman Kodak Co., Rochester, N.Y., "The Effects of Stray Light on the Quality of Projected Pictures at Various Levels of Screen Brightness."

THURSDAY AFTERNOON (Concurrent Sessions)

—————General Session

- A. J. Miller, Consolidated Film Laboratories, Ft. Lee, N.J., "Triple-Light-Source Printer for Color Films."
M. G. Townsley (Committee Chairman), Bell & Howell Co., Chicago, Ill., "Report of Committee on 16 mm and 8 mm Motion Pictures."
Linwood G. Dunn, RKO Radio Pictures, Hollywood, Calif., "An Example of Composite Cinematography."
E. K. Carver (Committee Chairman), Eastman Kodak Co., Rochester, N.Y., "Film Dimensions Committee Report."

Frank G. Back, Zoomar, Glen Cove, N.Y., "A New Zoomar Lens for 16 mm Motion Pictures."

K. G. Macleish, Camera Works, Eastman Kodak Co., Rochester, N.Y., "A Transmission Densitometer for Color Films."

Rowland L. Miller, Magnescope Corp., Culver City, Calif., "The Magnescope."

A. C. Robertson, Eastman Kodak Co., Rochester, N. Y., "Evaluation of 16 mm Professional Prints."

High-Speed Photography Session

Albert T. Ellis, California Institute of Technology, Hydrodynamics Laboratory, Pasadena, Calif., "A High-Speed Motion Picture System for the Photography of Small Nonluminous Subjects."

Everett J. Harrington and Harold C. Ramberg, Bonneville Power Administration, Portland, Oreg., "High-Speed Motion Picture Photography of Electrical Arcs on a High-Voltage Power System."

W. E. Martin, Consolidated Vultee Aircraft Corp., Daingerfield, Tex., "High-Intensity Light From A-C or D-C Operated Mercury Vapor Lamps."

Claude C. Baldridge and Lt. Gene C. Lemmon, Edwards Air Force Base, Edwards, Calif., "Applications of High-Speed Photography at Air Force Flight Test Center."

THURSDAY EVENING — Film Processing Session

John Fritzen, Cinecolor Corp., Burbank, Calif., "Processing 16 mm Color Film with a Silver Sound Track."

Howard T. Raffety, Cinecolor Corp., Burbank, Calif., "Matching Densitometry to Production."

W. T. Hanson, Jr., and W. I. Kisner, Eastman Kodak Co., Rochester, N.Y., "Improved Color Films for Motion Picture Production."

Allan M. Koerner, Eastman Kodak Co., Rochester, N.Y., "The Problems of Control of the Color Photographic Process."

Allan Haines and David P. Boyle, Pathe Laboratories, Hollywood, Calif., "Eastman Color Prints From Various Sources."

S. P. Solow and E. H. Reichard, Consolidated Film Industries, Hollywood, Calif., "A Modern Laboratory for 16 mm Film."

FRIDAY MORNING (Concurrent Sessions)

Sound Recording and Reproduction Session

Barry Eddy, University of California at Los Angeles, "Motion-Picture Sound Installation at the University of California at Los Angeles."

Murray Dichter and William H. Unger, Dichter Sound Studios, New York, "Push-Pull Negative Track Recording."

Kurt Singer and Michael Rettinger, RCA Victor Division, Hollywood, Calif., "Correction of Frequency-Response Variations Caused by Magnetic Head Wear."

J. E. Volkman, J. F. Byrd and J. D. Phyfe, RCA Victor Division, Camden, N.J., "A New Theater Sound System for Multipurpose Use."

J. E. Volkman, S. A. Caldwell and A. J. May, RCA Victor Division, Camden, N.J., "A Theater Loudspeaker System With Improved Directional Properties."

High-Speed Photography Session

Harold E. Edgerton and Kenneth J. Germeshausen, Edgerton, Germeshausen and Grier, Inc., Boston, Mass., "A Microsecond Still Camera."

John H. Waddell, Wollensak Optical Co., Rochester, N.Y., "A Full-Frame 35mm Fastax Camera."

Sidney M. Lipton, Aberdeen Proving Ground, Md., and Kennard R. Saffer, U.S. Naval Gun Factory, Washington, D.C., "The BRL-NGF Cinetheodolite."

Sidney M. Lipton, Aberdeen Proving Ground, Md., "A Multipurpose Optical Tracking and Recording Instrument."
Myron A. Bondelid, U.S. Naval Ordnance Test Station, Inyokern, China Lake, Calif., "The M-54 Tracking Mount."

FRIDAY AFTERNOON — Stereophonic Sound Session

John K. Hilliard (Committee Chairman), Altec Lansing Corp., Beverly Hills, Calif., "Sound Committee Report."
John K. Hilliard, Altec Lansing Corp., Beverly Hills, Calif., "Microphones, Loudspeakers and Amplifier for Use With Stereophonic Reproduction in the Theater."
Kurt Singer and Michael Rettinger, RCA Victor Division, Hollywood, Calif., "Multiple-Track Magnetic Heads."
John G. Frayne and E. W. Templin, Westrex Corp., Hollywood, Calif., "Westrex Stereophonic Recording and Reproducing Facilities."
R. J. Tinkham, Ampex Electric Co., Redwood City, Calif., "A Portable Stereophonic Recorder/Reproducer Utilizing a Sprocketless Drive Mechanism."
William H. Offenhauser, Jr., and Julius B. Postal, Andre Debric of America, Inc., New York, and Calvin Hotchkiss, Eastman Kodak Co., New York, "Progress Report Interim Committee on Nomenclature."

FRIDAY EVENING — Wide-Screen Picture and Stereophonic Sound Session

Twentieth Century-Fox Film Corp., CinemaScope demonstration.

SATURDAY MORNING

Universal-International Pictures, Special showing for SMPTE members.

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