

Papers Presented at the Hollywood Convention, October 15-19

MONDAY AFTERNOON

- Otto H. Schade, RCA Tube Dept., Harrison, N.J., "Requirements for a Theater Television System Giving Detail Contrast Equivalent to 35-Mm Motion Pictures."
F. N. Gillette, General Precision Laboratory, Pleasantville, N.Y., "A Direct-Projection System for Theater Television."
Blair Foulds and E. A. Hungerford, Jr., General Precision Laboratory, Pleasantville, N.Y., "A Television Camera Adaptable to Theater Network Use."
L. T. Sachtleben, RCA Victor Division, Camden, N.J., "An Ultra-High-Speed Optical System for Theater Television."
P. J. Herbst, J. M. Brumbaugh and R. O. Drew, RCA Victor Division, Camden, N.J., "Factors Affecting Quality of Kine Recordings."

MONDAY EVENING

- A. G. Jensen, R. E. Graham and C. F. Matke, Bell Telephone Laboratories, Murray Hill, N.J., "A Continuous Motion Picture Projector for Use in Television Film Scanning."
A. S. Quiroga and C. G. Pierce, American Broadcasting Co., Hollywood, Calif., "Motion Picture-Type Lighting in Television."
A. D. Fowler, Bell Telephone Laboratories, New York, "Observer Reaction to Video Crosstalk in Television Pictures."
G. C. Higgins and L. A. Jones, Eastman Kodak Co., Rochester, N.Y., "A Method of Making Objective Measurements Which Correlate With Subjective Picture Sharpness."

TUESDAY MORNING

- B. B. Jackson and F. M. Ashbrook, U.S. Naval Ordnance Test Station, Inyokern, Calif., "Time Coordination of Photographic Instrumentation on Missile Range."
M. G. Holland and D. E. Dunn, North American Aviation, Los Angeles, Calif., "High-Speed Photography and High-Speed Aircraft."
E. C. Barkofsky, U.S. Naval Ordnance Test Station, Inyokern, Calif., "Multiple-Image Silhouette Photography for Aeroballistics Research."
J. H. Waddell, Wollensak Optical Co., Rochester, N.Y., "High-Speed Photography of Moving Objects."
D. H. Peterson, Peterson & Pease, Glendale, Calif., "The Rotoscope as a High-Speed Camera Accessory."
John Kudar, Consultant, Hollywood, Calif., "Optical Problems in High-Speed Camera Design."

TUESDAY AFTERNOON

- R. O. Painter, General Motors, Proving Ground Section, Milford, Mich., "Techniques for Effective High-Speed Photography and Analysis."
Walter M. Clark, Northrop Aircraft, Inc., Hawthorne, Calif., and Lee R. Richardson, Richardson Camera Co., Hollywood, Calif., "Film Reader for Data Analysis."
A. P. Neyhart, Guild Laboratories, Manhattan Beach, Calif., "Cine-Interval Recording Camera."
G. J. Badgley and W. R. Fraser, U.S. Naval Photographic Center, Washington, D.C., "New Automatic Film-Threading Motion Picture Camera."
H. V. Hilker, U.S. Naval Ordnance Test Station, Inyokern, Calif., "High-Speed Camera Calibration."
R. K. Bucher, U.S. Naval Ordnance Test Station, Inyokern, Calif., "New Power Supply for the Fastax Camera."

TUESDAY EVENING

- Harry Lubcke, Consulting Engineer, Hollywood, Calif., "Color Television Reproducers."
R. S. O'Brien, Columbia Broadcasting System, New York, "Conversion of Monochrome Studio Equipment for Color Standards."
D. E. Foster, Hazeltine Research of California, "Some Fundamental Considerations in Color Television."
W. E. Evans, Stanford Research Inst., Stanford, Calif., "Color Television — Order or Chaos."

WEDNESDAY MORNING

- Lt. Lowell O. Orr, Navy Motion Picture Exchange, Brooklyn, N.Y., and Philip M. Cowett, Bureau of Ships, Navy Dept., Washington, D.C., "Desirable Characteristics of 16-Mm Entertainment Film for Naval Use."
C. R. Carpenter, Pennsylvania State College, "A Scientific Approach to Informational-Instructional Film Production and Utilization."
M. A. Kerr, Dept. of Physics, Wheaton College, Wheaton, Ill., "High Fidelity Film Reproduction of What?"
J. K. Hilliard, Altec Lansing Corp., Beverly Hills, Calif., "Application Notes on the Use of 35-Mm and 16-Mm Film in Television and Armed Forces."
Norwood Simmons, *Moderator*, "Emulsion Position of 16-Mm Positives," a panel discussion with 11 participants from the floor and on the panel.

WEDNESDAY AFTERNOON

- A. C. Robertson, Eastman Kodak Co., Rochester, N.Y., "Dimensions of 16-Mm Film in Exchanges."
R. L. Sutton, K. B. Curtis and Lloyd Thompson, The Calvin Co., Kansas City, Mo., "Prints from 16-Mm Originals."
J. G. Streiffert, Eastman Kodak Co., Rochester, N.Y., "The Radial-Tooth Variable-Pitch Sprocket."
A. L. Holcomb, Westrex Corp., Hollywood, Calif., "Film-Spool Drive With Torque Motors."
J. W. Kaylor and A. V. Tesek, Cinecolor Corp., Burbank, Calif., "The Cinecolor Multi-Layer Color Developing Machine."
C. R. Dupree, Signal Corps Photographic Center, Long Island City, N.Y., "The Application of Magnetic Clutches for Conversion of Sprocket-Drive Developing Machines to Friction Drive."

THURSDAY MORNING

- Kurt Singer and H. C. Ward, RCA Victor Division, Hollywood, Calif., "A Technical Solution of Magnetic Recording Cost Reduction."
Kurt Singer and J. L. Pettus, RCA Victor Division, Hollywood, Calif., "A Building Block Approach to Magnetic Recording Equipment Design."
Marvin Camras, Armour Research Foundation, Chicago, Ill., "A New Magnetic Recording Head."
Edward Schmidt, Reeves Soundcraft Corp., New York, "Manufacture of Striped and Full-Width Professional Magnetic Films."
L. L. Ryder, Paramount Pictures Corp., Hollywood, Calif., "Use of Magnetic Stripe Track."
L. L. Ryder and B. H. Denney, Paramount Pictures Corp., Hollywood, Calif., "Standard Placement of 35-Mm Magnetic Track."

THURSDAY AFTERNOON

- C. E. Hittle, RCA Victor Division, Hollywood, Calif., "Twin-Drum Film-Drive Filter System for Magnetic Recorder-Reproducer."
- C. C. Davis, J. G. Frayne and E. W. Templin, Westrex Corp., Hollywood, Calif., "A Multichannel Magnetic Film Recording and Reproducing Unit."
- G. A. Del Valle and F. L. Putzrath, RCA Victor Division, Camden, N.J., "Optical-Magnetic 16-Mm Sound Projector."
- H. W. Pangborn, Columbia Broadcasting System, Hollywood, Calif., "The Use of $\frac{1}{4}$ -In-Magnetic Tape for Kinescope Sound Rebroadcast Purposes."
- H. E. Haynes, RCA Victor Division, Camden, N.J., "A New Principle for Electronic Volume Compression."

THURSDAY EVENING

- H. H. Duerr (Committee Chairman), Ansco, Binghamton, N.Y., "Color Committee Report."
- H. H. Duerr, Ansco, Binghamton, N.Y., "The Ansco Color Negative-Positive Process for Motion Pictures."
- R. H. Ray, Reid H. Ray Film Industries, Inc., St. Paul, Minn., "Use of Ansco Type 843 35-Mm Color Film in Commercial Production."
- C. R. Anderson, N. H. Groet, C. A. Horton and D. M. Zwick, Eastman Kodak Co., Rochester, N.Y., "An Intermediate Positive-Internegative System for Color Motion Picture Photography."
- A. M. Gundelfinger, Cinecolor Corp., Burbank, Calif., "Supercinecolor Process."
- Bela Gaspar, Gasparcolor, Inc., Hollywood, Calif., "Gaspar Color Process and Demonstration."
- S. P. Solow, Consolidated Film Industries, Hollywood, Calif., "The Trucolor Process."

FRIDAY AFTERNOON

- L. D. Grignon, Twentieth Century-Fox Films, Beverly Hills, Calif., "Recent Improvements in Silencing Engine-Driven Generators."
- G. L. Dimmick and M. E. Widdop, RCA Victor Division, Camden, N.J., "A Heat Transmitting Mirror."
- W. W. Lozier, National Carbon Co., Fostoria, Ohio, and F. T. Bowditch, National Carbon Co., Cleveland, Ohio, "Carbon Arcs for Motion Picture Studio Lighting."
- I. L. Ryder and C. A. Hisserich, Paramount Pictures Corp., Hollywood, Calif., "New Remote-Control Light-Weight Incandescent Lighting Equipment."
- R. T. Van Niman, "Report on Lead Sulfide Photo-Electric Cell."
- W. W. Lozier (Committee Chairman), National Carbon Company, Fostoria, Ohio, "Screen Brightness Committee Report."

FRIDAY EVENING

- L. D. Grignon, Twentieth Century-Fox Films, Beverly Hills, Calif., "Preliminary Report of Special Committee on Picture Flicker."
- I. M. Terwilliger, Inspacian Enterprises, Hollywood, Calif., "Depth Dimension Accomplishments by Inspacian Systems."
- Norman McLaren, The National Film Board of Canada, Ottawa, Ont., Canada, "Stereographic Animation."
- Raymond Spottiswoode, Harrow-on-the-Hill, Middlesex, England, "Production and Projection of Three-Dimensional Film."
- John G. Stott, Du-Art Film Laboratories, New York, "The Tri-Art Color Laboratory."
- M. L. Gunzburg, Natural Vision Corp., Hollywood, Calif., "Natural Vision Three-Dimension."