

Papers Presented at the Chicago Convention, April 24-28

LISTED BY SESSIONS

MONDAY NOON

Spyros P. Skouras, 20th Century-Fox Film Corp., New York, N.Y., "Television and the Motion Picture Theater."

MONDAY AFTERNOON

Edwin C. Fritts, Camera Works, Eastman Kodak Co., Rochester, N.Y., "A Heavy Duty 16-Mm Projector."

George J. Koch, Camera Works, Eastman Kodak Co., Rochester, N.Y., "Interference Mirrors for Arc Projection."

James A. Moses, Army Pictorial Service Division, Washington, D.C., "Armed Forces 16-Mm Film Program."

Frank P. Herrnfeld, Ansco, Hollywood, Calif., "Flutter Measuring Set."

Loren L. Ryder, Paramount Pictures, Hollywood, Calif., "Motion Picture Studio Use of Magnetic Recording."

Walter T. Selsted, Ampex Electric Corp., San Carlos, Calif., "Lip-Synchronous Recording on Standard Unperforated Magnetic Tape."

M. Rettinger, RCA Victor Division, Hollywood, Calif., "A Magnetic Record-Reproduce Head."

Edward P. Kennedy, Squier Signal Laboratory, Ft. Monmouth, N.J., "New Sound Film Stabilizing System for 16-Mm Recording and Reproduction."

John J. McCormick, Navy Motion Picture Exchange, Brooklyn, N.Y., "U.S. Navy 16-Mm Review Room Characteristics."

MONDAY EVENING

Frank H. McIntosh, Consulting Engineer, Washington, D.C., "The Properties and Characteristics of Color Television Systems Proposed to F.C.C."

John R. Howland, Zenith Radio Corp., Chicago, Ill., "Phonevision Progress."

TUESDAY MORNING

W. R. Fraser and G. J. Badgley, Naval Photographic Center, Anacostia, D.C., "Motion Picture Color Photography of Color TV Images."

Arthur B. Bronwell, Northwestern University, Evanston, Ill., "Critical Evaluation of Color Television."

Constantin S. Szegho, The Rauland Corp., Chicago, Ill., "Color Cathode Ray Tube with 3 Phosphor Bands."

F. N. Gillette and J. S. Ewing, The Hertner Electric Co., Cleveland, Ohio, "Component Arrangement for a Versatile Television Receiver."

France B. Berger, General Precision Laboratory, Inc., Pleasantville, N.Y., "Characteristics of Motion Picture and Television Projection Screens."

E. Arthur Hungerford, Jr., U. S. Navy Special Devices Center, Port Washington, N.Y., "Television As a Means of Mass Instruction in the Armed Forces."

TUESDAY AFTERNOON

R. L. Garman and R. W. Lee, General Precision Laboratory, Inc., Pleasantville, N.Y., "Television Pick-Up Tubes and Techniques Used in Studio Film Chain Cameras."

- Richard S. O'Brien, Columbia Broadcasting System, Inc., New York, N.Y., "CBS Television Staging and Lighting Practices."
- D. C. G. Hare, D. C. G. Hare Co., New Canaan, Conn., and W. D. Fling, Fairchild Recording Equipment Co., Whitestone, N.Y., "Picture-Synchronous Magnetic Tape Recording."
- J. S. Hall, A. Mayer and G. Maslach, General Precision Laboratory, Inc., Pleasantville, N.Y., "16-Mm Rapid Film Processor."
- R. L. Garman and Blair Foulds, General Precision Laboratory, Inc., Pleasantville, N.Y., "Some Commercial Aspects of A New 16-Mm Intermediate Film Television System."
- Wayne R. Johnson, Earle C. Anthony, Inc., KFI-TV, Los Angeles, Calif., "Progress Report on An Experimental Electronic Background Projector for Television."
- Rudy Bretz, Dramatic Workshop and Technical Institute, New York, N.Y., "Television Special Effects."

TUESDAY EVENING

- Carl Meyers and F. R. McNicol, WGN-TV, Chicago, Ill., hosts for a conducted tour of WGN-TV's new studios in process of completion.
- Ted Lawrence, CBS-TV, New York, N.Y., Chairman for a discussion period on television studio lighting, with brief discussions by: Carl Meyers, F. R. McNicol and George Petterson, WGN-TV; and Frank Koerner, WENR-TV, Chicago, Ill.
- Oscar Holmes, Holmes Projector Co., Chicago, Ill., Demonstration of New Direct Film and Background Projector.

WEDNESDAY MORNING

- M. Sultanoff, Terminal Ballistic Laboratory, Aberdeen Proving Ground, Md., "A 100,000,000 Frame Per Second Camera."
- Elinor Porter Muhl, Earl H. Hinz and C. A. Main, Department of Aeronautical Engineering, University of Minnesota, Minneapolis, Minn., "High Speed Photography of Reflection—Lighted Objects in Transonic Wind Tunnel Testing."
- C. D. Miller, Battelle Memorial Institute, Columbus, Ohio, "Phenomena Involved in Engine Knock Photographed at 40,000 to 200,000 Frames Per Second."

WEDNESDAY AFTERNOON

- Brian O'Brien, Gordon G. Milne and William Covell, Institute of Optics, University of Rochester, Rochester, N.Y., "High Speed Image Dissection Camera Type II."
- H. N. Olsen and W. S. Huxford, Department of Physics, Northwestern University, Evanston, Ill., "Electrical and Radiation Characteristics of Flash Lamps."
- Frederick E. Barstow, Edgerton, Germeshausen and Grier, Inc., Boston, Mass., "Infra-Red Photography with Electric Flash."
- Paul M. Fye, Naval Ordnance Laboratory, White Oak, Md., "The High-Speed Photography of Underwater Explosions."
- John Nash Ott, Jr., John Ott Pictures, Inc., Winnetka, Ill., "Time Lapse Motion Picture Photography."

THURSDAY AFTERNOON

- H. J. Benham, Brenkert Light Projection Co., Detroit, Mich., and R. H. Heacock, RCA Victor Division, Camden, N.J., "A New Deluxe 35-Mm Motion Picture Projector Mechanism."
- Arthur J. Hatch, The Strong Electric Corp., Toledo, Ohio, "The Differential Carbon Feed System for Projection Arc Lamps."

- Herbert Griffin, International Projector Corp., Bloomfield, N.J., "A New Heavy Duty Professional Theater Projector."
- Henry J. Hood, Eastman Kodak Co., Rochester, N.Y., "Report of SMPTE 16-Mm and 8-Mm Motion Picture Committee."
- J. W. McNair, American Standards Association, New York, N.Y., "Standardization on Photography and Cinematography."
- Tom H. Miller, Training, Dept., Eastman Kodak Co., Rochester, N.Y., "Stop and Go Signs in Color Photography."

THURSDAY EVENING

- W. W. Lozier, National Carbon, Fostoria, Ohio, "Report of SMPTE Screen Brightness Committee."
- Herman H. Duerr, Ansco, Binghamton, N.Y., "Report of SMPTE Color Committee."
- W. T. Hanson, Jr., Research Laboratory, Eastman Kodak Co., Rochester, N.Y., "A Color Negative and A Color Positive Film for Motion Picture Use."
- Edgar Gretener, Edgar Gretener, A. G., Zurich, Switzerland, "Physical Principles, Design and Performance of the Ventarc High-Intensity Projection Lamps."

FRIDAY MORNING

- M. G. Townsley, Bell & Howell Co., Chicago, Ill., and P. L. Pryor, Air Materiel Command, Wright Field, Dayton, Ohio, "A Large T-Stop Calibrating Unit."
- E. E. Strauss, J. G. Zuber and M. G. Townsley, Bell & Howell Co., Chicago, Ill. "A New Portable 35-Mm Motion Picture Camera."
- William P. Bielicke, George W. Colburn Laboratory, Chicago, Ill., "Conditions and Progress in the German Motion Picture Industry."
- H. Goldin, Gaumont-Kalee, Ltd., Toronto, Canada, "The Acoustic Design of New Odoon Theatres."
- May Benson, MacKay Research Laboratory, Chicago, Ill., "Photo-Sensitive Devices and Excitation Sources."
- George W. Colburn, George W. Colburn Laboratory, Chicago, Ill., "Double and Single Film 16-Mm Projectors with Variable Picture/Sound Synchronization for Laboratory and TV Studio Use."

FRIDAY AFTERNOON

- John G. Stott, Du Art Film Laboratories, New York, N.Y., "Report of SMPTE Laboratory Practice Committee."
- E. K. Carver, Eastman Kodak Co., Rochester, N.Y., "Report of SMPTE Film Dimensions Committee."
- H. W. Cleveland, Research Laboratory, Eastman Kodak Co., Rochester, N.Y., "A Method of Measuring Electrification of Motion Picture Film Applied to Cleaning Methods."
- Thomas T. Hill, The Edwal Laboratories, Inc., Ringwood, Ill., "Securing Optimum Results in Fixing and Washing Photographic Materials."
- R. Paul Ireland, EDL Co., Chicago, Ill., "A Method of Tone Reproduction Control in Reversal Processing."
- C. A. Horton, Research Laboratory, Eastman Kodak Co., Rochester, N.Y., "Printer Control in Color Printing."
- John P. Kiel, Producers Service Company, Burbank, Calif., "A 35-Mm Process Camera."
- Don Norwood, Pasadena, Calif., "Light Measurement for Exposure Control."