

## PAPERS PROGRAM

MONDAY, OCTOBER 21st

9:30 a.m. **Registration.**

10:00 a.m. *Little Theater*; **Business and Technical Session. President H. G. Tasker, Presiding.**

Report of the Convention Committee; W. C. Kunzmann, *Convention Vice-President.*

Presidential Address; H. G. Tasker.

Report of the Membership Committee; E. R. Geib, *Chairman.*

Election of Officers for 1936.

"Use of Films in the U. S. Army"; Major M. E. Gillette, U. S. Army.

"Microphotographic Duplication in the Service of Science"; W. Davis, *Director, Science Service, Washington, D. C.*

"Some Technical Aspects of Microphotography"; R. H. Draeger, U. S. Department of Agriculture, Washington, D. C.

"Microfilm Copying of Documents"; T. R. Shellenberg, Washington, D. C.

12:30 p.m. *Continental Room*; **Informal Get-Together Luncheon.**

Addresses by:

Mr. J. Brylawski, *Vice-President, M. P. T. O. A., New York, N. Y.*

Mrs. Emily Newell Blair, *Consumers Representative, Advisory Council, National Recovery Administration, Washington, D. C.*

Hon. Sol Bloom, *Member of Congress from New York.*

Capt. John G. Bradley, *Chief, Division of Motion Pictures and Sound Recording, National Archives, Washington, D. C.*

2:00 p.m. *Little Theater*; **General Session. Capt. John G. Bradley, Presiding.**

"An Experimental Program in Visual Education"; F. H. Conant, *Massachusetts Institute of Technology, Cambridge, Mass.*

"Demonstration of Photography by Polarized Light"; J. W. McFarlane, *Eastman Kodak Company, Rochester, N. Y.*

"The Development and Use of Stereo Photography for Educational Purposes"; Prof. C. Kennedy, *Smith College, Northampton, Mass.*

"Is the Federal Government Interested in Educational Films?"; C. M. Koon, *U. S. Department of the Interior, Washington, D. C.*

"Further Studies in Motion Picture Theater Design"; B. Schlanger, *New York, N. Y.*

8:00 p.m. *Little Theater*; **Film Program.**

Exhibition of recent outstanding feature motion pictures and shorts.

"Demonstration of 16-Mm. Colored Motion Pictures with Synchronized Sound"; H. H. Jones, *Buffalo, N. Y.*

## TUESDAY, OCTOBER 22nd

9:30 a.m. *Little Theater*; **Screen Brightness Symposium.** Dr. L. A. Jones, Presiding.

Report of Projection Screen Brightness Committee; C. Tuttle, *Chairman*.

"Screen Brightness and the Visual Functions"; E. M. Lowry, Eastman Kodak Company, Rochester, N. Y.

"An Experiment to Determine the Screen Brightness Requirements of the Public"; B. O'Brien, University of Rochester, and C. Tuttle, Eastman Kodak Company, Rochester, N. Y.

"A Review of Projector and Screen Characteristics, and Their Effects upon Screen Brightness"; A. A. Cook, Bausch & Lomb Optical Company, Rochester, N. Y.

"An Analysis of Theater and Screen Illumination Data"; S. K. Wolf, Electrical Research Products, Inc., New York, N. Y.

"Density Measurements of Release Prints"; C. Tuttle, Eastman Kodak Company, Rochester, N. Y.

"Photometry and Brightness Measurements"; R. P. Teele, U. S. Bureau of Standards, Washington, D. C.

"A Résumé of Methods of Determining Screen Brightness"; W. F. Little and A. T. Williams, Electrical Testing Laboratories, New York, N. Y.

2:00 p.m. *Auditorium*; **U. S. Bureau of Standards.** Dr. Lyman J. Briggs, Director of the Bureau, Presiding.

"The Measurement and Specification of Color"; K. S. Gibson, U. S. Bureau of Standards, Washington, D. C.

"Color Blindness and Anomalies of Vision"; D. B. Judd, U. S. Bureau of Standards, Washington, D. C.

"Physical Tests of Cellulose Films and Their Reproducibility"; S. E. Sheppard, P. T. Newsome, and S. S. Sweet, Eastman Kodak Company, Rochester, N. Y.

"Equipment for Developing and Reading Sensitometric Tests"; D. R. White, Dupont Film Manufacturing Co., Parlin, N. J.

"A Note on the Measurement of Photographic Density with the Barrier Type Photocell"; B. C. Hiatt and C. Tuttle, Eastman Kodak Company, Rochester, N. Y.

"The Brewster Color Process"; P. D. Brewster, Brewster Colorfilm Corp., Newark, N. J.

"Sixteen-Mm. Pictures in Natural Color with Third-Dimensional Effect"; L. C. Phillips, Los Angeles, Calif.

8:00 p.m. *Little Theater*; **Motion Pictures.**

Exhibition of recent outstanding feature motion pictures and shorts.

## WEDNESDAY, OCTOBER 23rd

9:30 a.m. *Little Theater*; **General Session.** Mr. J. I. Crabtree, Presiding.

"The Real Need for Projection Departments in Theater Chains"; F. H. Richardson, New York, N. Y.

"Thyratron Reactor Theater Lighting Control"; J. R. Manheimer, E-J Electric Company, New York, N. Y.

- "The Conquest of Color"; H. Ketcham, New York, N. Y.
- "The Elementary Theory of the Cathode Ray Tube"; W. F. Diehl and E. D. Cook, RCA Manufacturing Co., Camden, N. J.
- "Motion Pictures as Government Archives"; Capt. J. G. Bradley, National Archives, Washington, D. C.
- "The Motion Picture Collection at the National Museum"; A. J. Olmstead, Smithsonian Institution, Washington, D. C.
- Report of the Standards Committee; E. K. Carver, *Chairman*.
- "A Non-Theatrical International Service Organization—The Amateur Cinema League"; Col. R. W. Winton, Amateur Cinema League, Inc., New York, N. Y.
- "Condenser for 16-Mm. Optical Systems"; G. Mili, Westinghouse Lamp Company, Bloomfield, N. J., and A. A. Cook, Bausch & Lomb Optical Co., Rochester, N. Y.
- "World Motion Picture Markets"; N. D. Golden, U. S. Bureau of Foreign and Domestic Commerce, Washington, D. C.

**1:30 p.m. Motor-Bus Tour.**

Stops made at the Library of Congress, Smithsonian Institution, and the National Archives.

**8:00 p.m. Continental Room; Semi-Annual Banquet.**

Presentation of Scroll of Honorary Membership to Thomas Armat, Washington, D. C.

Presentation of S. M. P. E. Journal Award to Dr. Loyd A. Jones and Dr. Julian H. Webb.

Presentation of S. M. P. E. Progress Medal to Dr. Edward C. Wentz.

**10:30 p.m.**

Address by Hon. Will H. Hays, *President*, Motion Picture Producers and Distributors of America, Inc., New York, N. Y. Broadcast through the courtesy of the National Broadcasting Company.

**THURSDAY, OCTOBER, 24th**

**9:30 a.m. Little Theater; Sound Session. Dr. J. G. Frayne, Presiding.**

"A New Method for Increasing the Volume Range of Talking Motion Pictures"; N. Levinson, Warner Bros.-First National Studios, Burbank, Calif.

Report of the Sound Committee; P. H. Evans, *Chairman*.

"Reversed Mechanical Bias on Light-Valve Recordings"; E. H. Hansen and C. N. Faulkner, 20th Century-Fox Film Corp., Hollywood, Calif.

"Elimination of Splice Noise in Sound-Film"; E. I. Sponable, 20th Century-Fox Film Corp., New York, N. Y.

"Contributions of Telephone Research to Sound Pictures"; E. C. Wentz, Bell Telephone Laboratories, New York, N. Y.

"A Non-Directional Moving-Coil Microphone"; L. W. Giles, Bell Telephone Laboratories, New York, N. Y.

"Principles of Measurements of Room Acoustics"; E. C. Wentz, Bell Telephone Laboratories, New York, N. Y.

**2:00 p.m. Little Theater; Apparatus Symposium and Laboratory Session.  
President H. G. Tasker, Presiding.**

"The Debrie 16-Mm. Professional Projector"; H. R. Kossman, André Debrie Corp., New York, N. Y.

"RCA PB-141 Optical Reduction Printer"; M. E. Collins, RCA Manufacturing Co., Camden, N. J.

"RCA Photophone Reproducing Equipment"; J. Frank, Jr., RCA Manufacturing Co., Camden, N. J.

Report of the Committee on Laboratory Practice; D. E. Hyndman, *Chairman*.

"Primary Considerations in the Design and Production of Theater Amplifiers"; T. D. Cunningham, RCA Manufacturing Co., Camden, N. J.

"Air Conditioning"; J. G. Patterson, Bryant Heater Company, Cleveland, Ohio.

"Air Filtration in the Production of Motion Pictures"; H. C. Murphy, American Air Filter Company, Louisville, Ky.

"A Versatile Processing Machine"; M. Ricker, United Research Corp., Long Island City, N. Y.

"Motion Pictures and the Air Corps"; Capt. J. M. Goddard, *Director*, Photographic Department, Army Air Corps, Chanute Field, Rantoul, Ill.

"Recent Progress in Motion Pictures in the U. S. S. R."; V. I. Verlinsky, Amkino Corp., New York, N. Y.

"Technical Advances in Soviet Russia"; A. F. Chorine, Central Laboratories, All-Union Electrical Trust, Moscow, U. S. S. R.