

CLASSIFIED INDEX, VOLUME XV

Addresses.

- Presidential Address, J. I. CRABTREE, p. 246; p. 840.
- Banquet Addresses, p. 250.
- Scientific Progress and the New Era in Motion Pictures, WILL H. HAYS, p. 263.
- The Engineer and His Tools, C. FRANCIS JENKINS, p. 260.

Acoustics, Studios.

- Sound-Proofing and Acoustic Treatment of RKO Stages, A. S. RINGEL, p. 352.
- One Type of Acoustic Distortion in Sound Picture Sets, R. L. HANSON, p. 460.

Acoustics, Theaters.

- Conditions under Which Residual Sound in Reverberant Rooms May Have More Than One Rate of Decay, CARL F. EYRING, p. 528.

Apertures.

- Scanning Losses in Reproduction, N. R. STRYKER, p. 610.

Arcs, Projection.

- Operation of Projection Arcs from Motor Generator Sets, C. C. DASH, p. 702.

Cameras and Camera Mechanisms.

- Some Considerations in the Design of Sound-Proof Camera Housings, L. E. CLARK, p. 165.

Cleaning of Motion Picture Film.

- A New Buffing Machine, A. S. DWORSKY, p. 676.

Color Photography.

- Some Experiments in Medical Motion Pictures in Color, HARRIS B. TUTTLE, p. 193.
- Report of Color Committee, p. 721.
- A Motion Picture Made in 1916 by a Two-Color Subtractive Process, GLENN E. MATTHEWS, p. 624.

Committee Reports.

- Color, p. 721.
- Local Sections of the Society of Motion Picture Engineers, p. 394.
- Progress, p. 68; p. 759.
- Projection and Sound Reproduction, p. 550.
- Standards and Nomenclature, p. 160; p. 818.
- Studio Lighting, p. 716.
- Theater Lighting, p. 725.

Constitution.

- Constitutions and By-Laws as Amended October, 1929, and May, 1930, p. 136.

Development of Motion Picture Films.

- The Processing of Variable Density Sound Records, R. F. NICHOLSON, p. 374.
- A Replenishing Solution for a Motion Picture Positive Film Developer, J. I. CRABTREE and C. E. IVES, p. 627.

Education, Visual.

Production Aspects of a Technical Lecture Sound Picture, FRANKLIN L. HUNT, p. 473.

Electrical Machinery and Equipment.

Some Aspects of the National Electrical Code as Applied to the Motion Picture Industry, JAC. R. MANHEIMER, p. 145.

Exchanges.

The Maintenance of Sound Film in Exchange Operation and the Degree That Sound Reproduction Is Affected by the Continued Use of Sound Track Film, TREVOR FAULKNER, p. 501.

Film, Physical Characteristics.

Wide Film Shrinkage and Its Effect as a Factor in Determining Proper Dimensional Specifications for a New Standard, A. S. HOWELL and J. A. DUBARY, p. 306.

General.

Technical Activities of the Academy of Motion Picture Arts and Sciences, IRVING THALBERG, p. 3.

Recent and Future Economic Changes in the Motion Picture Field, FRANKLIN S. IRBY, p. 332.

The Soviet Cinematography, L. I. MONOSSON, p. 509.

International Relations in the Sound Picture Field, FRANKLIN S. IRBY, p. 739.

The Progress of Sound Motion Pictures, HAROLD B. FRANKLIN, p. 809.

Meeting Sound Film Competition Abroad, C. J. NORTH and N. D. GOLDEN, p. 749.

Illumination, Theaters.

Report of Theater Lighting Committee, p. 725.

Incandescent Lamps for Photography.

Modern Practice in Incandescent Cinema Studio Lighting, W. A. VILLIERS, p. 451.

Trend of Lamp Development and Operation in Motion Picture Projectors Employing Sixteen Millimeter Film, V. J. ROPER and H. I. WOOD, p. 824.

Lubrication of Motion Picture Film.

A Modified Film Waxing Machine, J. I. CRABTREE and C. E. IVES, p. 370.

Medical Photography.

Some Experiments in Motion Photography of the Vocal Cords, G. OSCAR RUSSELL and CLIFTON TUTTLE, p. 171.

Some Experiments in Medical Motion Pictures in Color, HARRIS B. TUTTLE, p. 193.

Progress in Micro Cinematography, HEINZ ROSENBERGER, p. 439

X-Ray Cinematography, S. RODWELL, p. 815.

Obituary.

WILLIAM HENRY BRISTOL, p. 406.

JOHN J. LYNG, p. 581.

Objectives.

A Proposed New Series of Standard Focal Lengths for Motion Picture Projection Objectives, WILBUR B. RAYTON, p. 277.

Photo-Electric Cells.

The Becquerel Effect and Its Adaptation to Talking Picture Systems, RUDOLPH MIEHLING, p. 281.

Photometry.

A Method for the Determination of Exposure in Cinematography, R. P. LOVELAND, p. 689.

A New Photometer Exposure Meter, J. A. DUBRAY, p. 710.

Photomicrography, Motion.

Progress in Micro Cinematography, HEINZ ROSENBERGER, p. 439.

The Cinematography of Brownian Movement with the Filmo Camera, R. FAWN MITCHELL, p. 679.

Printers.

A Compounded Geneva Pull-Down for Motion Picture Printers, FORDYCE TUTTLE, p. 671.

Printing.

A Proposed New Method of "Timing" Negatives, M. W. PALMER and A. J. RICHARDS, p. 181.

Progress.

Progress in the Motion Picture Industry, p. 68; p. 759.

Progress in Industrial and Scientific Cinematography in France, MARCEL ARBIBAT, p. 214.

Applied and Scientific Cinematography in Austria, PAUL SCHROTT, p. 223.

The Soviet Cinematography, L. I. MONOSSON, p. 509.

Projection, General Information.

Report of Projection and Sound Reproduction Committee, p. 550.

Projectors, Continuous.

The Revolving Lens Wheel Projector, ARTHUR J. HOLMAN, p. 20.

Projectors, Intermittent.

Some New Projection Equipment, HERBERT GRIFFIN, p. 641.

Screens.

Considerations in the Design and Testing of Motion Picture Screens for Sound Picture Work, H. F. HOPKINS, p. 320.

Sensitometry, Methods and Instruments.

The Measurement of Density in Variable Density Sound Film, CLIFTON TUTTLE and J. W. MCFARLANE, p. 345.

A Semi-Automatic Timing Device for Motion Picture Negatives, J. I. CRABTREE, C. E. IVES, and FORDYCE TUTTLE, p. 587.

Sixteen Millimeter Equipment.

Improved Synchronizing Apparatus for Sixteen Millimeter Films with Disk Records, WM. H. BRISTOL, p. 494.

A New Sixteen Millimeter Projector, A. SHAPIRO, p. 598.

A New Power Amplifier System, LINCOLN THOMPSON, p. 602.

Sound Film Projection.

- Scanning Losses in Reproduction, N. R. STRYKER, p. 610.
- Sound Installations in Theaters.**
 Factors Governing Power Capacity of Sound Reproducing Equipment in Theaters, S. K. WOLF and W. J. SETTE, p. 415.
- Sound Reproduction, Disk.**
 A Comparative Study of Sound on Disk and Film, PORTER H. EVANS, p. 185.
 Some Considerations Affecting the Design of Phonograph Needles, R. T. FRIEBUS, p. 484.
 Improved Synchronizing Apparatus for Sixteen Millimeter Films with Disk Records, WM. H. BRISTOL, p. 494.
- Sound Reproduction, General Information concerning.**
 Talking Pictures—The Great Internationalist, HAROLD B. FRANKLIN, p. 17.
 Apparatus for the Analysis of Photographic Sound Records, OTTO SANDVIK, p. 201.
 One Type of Acoustic Distortion in Sound Picture Sets, R. L. HANSON, p. 460.
 Report of Projection and Sound Reproduction Committee, p. 550.
 A New Power Amplifier System, LINCOLN THOMPSON, p. 602.
- Sound Reproduction, Variable Density.**
 Volume Control by the Squeeze Track, WESLEY C. MILLER, p. 53.
 The Measurement of Light Valve Resonance by the Absorption Method, O. O. CECCARINI, p. 60.
- Sound Reproduction, Variable Width.**
 Galvanometers in Variable Area Recording, G. L. DIMMICK, p. 428.
 A New Recorder for Variable Area Recording, E. W. KELLOGG, p. 653.
- Sound Studio Equipment.**
 A Microphone Boom, ELMER C. RICHARDSON, p. 41.
 Tilt Heads and Rolling Tripods for Camera Blimps, ELMER C. RICHARDSON p. 46.
- Standards and Nomenclature.**
 Report of Standards and Nomenclature Committee, p. 160; p. 818.
- Storage of Motion Picture Film.**
 The Storage of Valuable Motion Picture Film, J. I. CRABTREE and C. E. IVES, p. 289.
- Studio Lighting.**
 A Silhouette Studio, C. FRANCIS JENKINS, p. 381.
 Studio Lighting Committee Report, p. 716.
- Television and Telephonic Transmission of Pictures.**
 Television Systems, C. FRANCIS JENKINS, p. 445.
- Theater Lighting.** (See ILLUMINATION, THEATERS.)
- Tripods.**
 Tilt Heads and Rolling Tripods for Camera Blimps, ELMER C. RICHARDSON, p. 46.
- Wide Pictures.**
 Wide Film Shrinkage and Its Effects as a Factor in Determining Proper Dimensional Specifications for a New Standard, A. S. HOWELL and J. A. DUBRAY, p. 306.