

# TRANSACTIONS

## OF THE

# SOCIETY OF

# MOTION PICTURE

# ENGINEERS

### CONTENTS

Standards Adopted by the Society of Motion Picture Engineers.....	247
Report of Standards and Nomenclature Committee.....	258
Progress in the Motion Picture Industry, April 1928.....	267
Some Mechanical Problems of a Director. By Irvin Willat.....	285
Motion Picture Directing. By Cecil B. DeMille.....	295
Systematic Control in the Production of Motion Pictures. By Roger Nauman.....	310
Dramatic Cinematography. By Karl Struss.....	317
A Line Screen Film Process for Motion Pictures in Color. By John H. Powrie.....	320
Camera Lenses for Motion Picture Photography. By W. B. Rayton.....	335
Some Novel Projected Motion Picture Presentations. By L. M. Townsend and W. W. Hennessy.....	345
The Importance of Good Projection to the Producer. By F. H. Richardson.....	355
The Measurement of Pulsating Currents. By W. N. Goodwin, Jr.....	364
Silverless Motion Picture Positive Film. By J. W. Coffman.....	379
Notes on Making Duplicate Negatives. By C. E. Ives and E. Huse.....	382
Moisture in Motion Picture Film. By V. B. Sease.....	390
A Spring Driven Cinematograph Camera. By A. S. Newman.....	397
The Magnascope. By H. Rublin.....	403
Projectors with Optical Intermittents. By J. F. Leventhal.....	406
A Full-Down Mechanism for Motion Picture Cameras. By A. S. Newman.....	410
An Optical Printer for Trick Work. By C. L. Gregory.....	419
Photographic Characteristics of Motion Picture Studio Light Sources. By Loyd A. Jones and M. E. Russel.....	427
Incandescent Tungsten Lighting in Cinematography. By Research Committee of American Society of Cinematographers.....	453
The Effective Application of Incandescent Lamps for Motion Picture Photography. By R. E. Farnham.....	464
Notes on the Characteristics of Tungsten and Tungsten Lamps. By Frank Benford.....	484
Characteristics of Flame Arcs for Studio Lighting. By D. B. Joy and A. C. Downes.....	502
The Use of Incandescent Equipment in Motion Picture Photography. By Peter Mole.....	521
Trick Photography. By Frank Williams.....	537
Open Forum.....	541
Report of Theater Lighting Committee.....	549
Reports of Papers and Publications, Advertising, Publicity, and Membership Committees.....	551
Symposium on New Motion Picture Apparatus.....	555
Obituary of Max Handespiel.....	574
Photographs of Honorary Members: Thomas Edison, George Eastman, and F. E. Ives.....	575
Advertisements.....	577

*Volume XII, Number 34*

MEETING OF APRIL 9-14, 1928

HOLLYWOOD, CALIF.