

JOURNAL

OF THE SOCIETY OF

MOTION PICTURE ENGINEERS

Volume XXXIV

January, 1940

CONTENTS

	<i>Page</i>
Report on the Adaptation of Fine-Grain Films to Variable-Density Sound Technics.....	3
Improvement in Sound and Picture Release Through the Use of Fine-Grain Film..... C. R. DAILY	12
Photographic Duping of Variable-Area Sound..... F. W. ROBERTS AND E. TAENZER	26
A Sound-Track Center-Line Measuring Device..... F. W. ROBERTS AND H. R. COOK, JR.	38
Starting Characteristics of Speech Sounds..... R. O. DREW AND E. W. KELLOGG	43
Volume Distortion..... S. L. REICHES	59
Lenses for Amateur Motion Picture Equipment..... R. KINGSLAKE	76
Report of the Standards Committee.....	88
Report of the Studio Lighting Committee.....	94
The Importance of Coöperation between Story Construction and Sound to Achieve a New Personality in Pictures..... L. L. RYDER	98
New Motion Picture Apparatus A Multiduty Motor System..... A. L. HOLCOMB	103
Current Literature.....	114
Book Review.....	116
1940 Spring Convention at Atlantic City, N. J., April 22nd-25th, Inclusive	117
Society Announcements.....	120