

# Society of Motion Picture and Television Engineers

## JOURNAL                      VOL. 60                      MARCH 1953                      NO. 3

Arthur C. Downes  
Chairman, Board of Editors

Editor  
Victor H. Allen

William H. Rivers  
Chairman, Papers Committee

Sound-on-Film Recording Using Electrooptic Crystal Techniques . . .	205
ROBERT DRESSLER and ALBERT A. CHESNES	
An Intermediate Positive-Internegative System for Color Motion Picture Photography . . . . .	217
C. R. ANDERSON, N. H. GROET, C. A. HORTON and D. M. ZWICK	
Kinescope Recording Film Exposure Control . . . . .	226
RALPH E. LOVELL and ROBERT M. FRASER	
Time-Zone Delay of Television Programs by Kinescope Recording . . .	235
RALPH E. LOVELL	
History and Present Position of High-Speed Photography in Great Britain . . . . .	240
W. DERYCK CHESTERMAN	
Rapid-Sequence Camera Using 70mm Film . . . . .	247
CHARLES A. HULCHER	
Precision Film Editor Utilizing Nonintermittent Projection . . . . .	253
TORBEN JOHNKE	
The Bridgamatic Developing Machine . . . . .	260
JOSEPH A. TANNEY and EDWARD B. KRAUSE	
The Stereoscopic Art — A Reprint. . . . .	268
JOHN A. NORLING	
Reels, Magazines, Spindles for 3-D . . . . .	309
73d Convention . . . . .	310
75th Convention . . . . .	311
1953 Nominations . . . . .	312
Pacific Coast Section Meeting . . . . .	312
BOOK REVIEWS . . . . .	313
<i>Filter Design Data for Communication Engineers</i> , by J. H. Mole, reviewed by G. W. Read; <i>Compt. rendu, Proceedings of 1951 Stockholm Convention of the International Commission on Illumination</i> , reviewed by W. W. Lozier; <i>A Television Policy in Education</i> .	
Journals Available and Wanted . . . . .	315
New Members . . . . .	316
Meetings . . . . .	316
Employment Service . . . . .	317
New Products . . . . .	318

Subscription to nonmembers, \$12.50 a year; to members, \$6.25 a year, included in their annual membership dues; single copies, \$1.50. Order from the Society's General Office. A 10% discount is allowed to accredited agencies on orders for subscriptions and single copies. Published monthly at Easton, Pa., by the Society of Motion Picture and Television Engineers, Inc. Publication Office, 20th & Northampton Sts., Easton, Pa. General and Editorial Office, 40 West 40th St., New York 18, N.Y. Entered as second-class matter January 15, 1930, at the Post Office at Easton, Pa., under the Act of March 3, 1879. Copyright, 1953, by the Society of Motion Picture and Television Engineers, Inc. Permission to republish material must be obtained in writing from the General Office of the Society. The Society is not responsible for statements of contributors.