Journal of the Society of Motion Picture and Television Engineers

VOLUME 54 **MAY 1950** **NUMBER 5**

Progress Committee Report 525
The Shape of the Television Screen ..... RUDY BRETZ 545
Picture-Synchronous Magnetic Tape Recording .....
D. G. C. HARE and W. D. FLING 554
The Open-Air Concentrated-Arc Lamp ..... W. D. BUCKINGHAM 567
Light Measurement for Exposure Control ..... DON NORWOOD 585
A Survey of High-Speed Motion Picture Photography .....
KENNETH SHAFTAN 603
Constitution and Bylaws 627
Officers of the Society 635

FINANCIAL REPORTS 638
Treasurer's Report; Summary of Financial Condition; Statement of Income and Expenses; Membership Report; Nonmember Subscription Report.

Meetings of Other Societies 640

SOCIETY AWARDS 641
Journal; Progress Medal; Samuel L. Warner Memorial.

Board of Governors 644
67th Convention 645
Theater Carpeting Manuals Available 646
American Documentation Institute 648
New Products 649
Letter to the Editor 650
Employment Service 650

ARTHUR C. DOWNES
Chairman
Board of Editors

VICTOR H. ALLEN
Editor

NORWOOD L. SIMMONS
Chairman
Papers Committee

Subscription to nonmembers, $12.50 per annum; to members, $6.25 per annum, included in their annual membership dues; single copies, $1.50. Order from the Society's General Office. A discount of ten per cent is allowed to accredited agencies on orders for subscriptions and single copies. Published monthly at Easton, Pa., by the Society of Motion Picture Engineers, Inc. Publication Office, 20th & Northampton Sts., Easton, Pa. General and Editorial Office, 342 Madison Ave., New York 17, 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, 1950, by the Society of Motion Picture Engineers, Inc. Permission to republish material from the JOURNAL must be obtained in writing from the General Office of the Society. Copyright under International Copyright Convention and Pan-American Convention. The Society is not responsible for statements of authors or contributors.