

JOURNAL of the SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

PUBLICATION OFFICE TWENTIETH AND NORTHAMPTON STREETS, EASTON, PA.

Officers

President, 1957-58
BARTON KREUZER, Radio Corporation of America, Bldg. 2-4, Front & Cooper Sts., Camden 2, N.J.

Executive Vice-President, 1957-58
NORWOOD L. SIMMONS, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38, Calif.

Past President, 1957-58
JOHN G. FRAYNE, Westrex Corp., 6601 Romaine St., Hollywood 38, Calif.

Engineering Vice-President, 1958-59
AXEL JENSEN, Bell Telephone Laboratories, Murray Hill, N.J.

Editorial Vice-President, 1957-58
GLENN E. MATTHEWS, Research Lab., Bldg. 59, Kodak Park, Eastman Kodak Co., Rochester 4, N.Y.

Financial Vice-President, 1958-59
JOHN W. SERVIES, National Theatre Supply, 92 Gold St., New York 38, N.Y.

Convention Vice-President, 1957-58
G. CARLETON HUNT, General Film Labs., 1546 N. Argyle Ave., Hollywood 28, Calif.

Sections Vice-President, 1958-59
ETHAN M. STIFLE, Eastman Kodak Co., 342 Madison Ave., New York 17, N.Y.

Secretary, 1957-58
WILTON R. HOLM, E. I. du Pont de Nemours & Co., Parlin, N.J.

Treasurer, 1958-59
REID H. RAY, Reid H. Ray Film Industries, Inc., 2269 Ford Parkway, St. Paul 1, Minn.

Governors, 1958-59
JOSEPH E. AIKEN, 116 N. Galveston, Arlington, Va.
DON M. ALEXANDER, Alexander Film Co., Colorado Springs, Colo.
HERBERT E. FARMER, 7826 Dumbarton Ave., Los Angeles 45, Calif.
ALAN M. GUNDELFINGER, Technicolor Corp., 6311 Romaine St., Hollywood 38, Calif.
W. W. WETZEL, 725 Ridge St., St. Paul, Minn.
DEANE R. WHITE, Photo Products Dept., E. I. du Pont de Nemours & Co., Parlin, N.J.

Governors, 1957-58
HOWARD A. CHINN, CBS Television, 485 Madison Ave., New York 22, N.Y.
GERALD G. GRAHAM, National Film Board of Canada, Box 6100, Montreal 3, P.Q., Canada
UB IWERKS, 4500 Mary Ellen Ave., Sherman Oaks, Calif.
W. WALLACE LOZIER, National Carbon Research Labs., Box 6087, Cleveland 1, Ohio
EDWIN W. TEMPLIN, Westrex Corp., 6601 Romaine St., Hollywood 38, Calif.
JAMES L. WASSELL, 927 Harvard Lane, Wilmette, Ill.

Governors and Section Chairmen, 1958
HOWARD H. BRAUER, P.O. Box 430, Evanston, Ill.
JOHN W. DU VALL, 4829 Cartwright Ave., N. Hollywood, Calif.
BURTON F. PERRY, 5 Hilltop Rd., Port Washington, N.Y.

Section Chairmen
JAMES A. BARKER, Capital Film Laboratories, Inc., 1905 Fairview Ave., N.E., Washington, D.C.
ROGER J. BEAUDRY, Shelly Films, Ltd., Toronto 14, Ont., Canada
R. K. KEITZ, Keitz & Herndon, 7123 Westbrook Lane, Dallas, Texas
B. M. LODEN, P.O. Box 37, North Side Branch, Atlanta, Ga.
WERNER H. RUHL, 415 Molimo Dr., San Francisco 27, Calif.
T. GENTRY VEAL, 81 Shellwood Dr., Rochester, N.Y.

Editorial Office

55 West 42d St., New York 36, New York

Editor—VICTOR H. ALLEN

Advertising Manager—DENIS A. COURTNEY

BOARD OF EDITORS

Chairman—PIERRE MERTZ
463 West St., New York 14, New York

HARLAN L. BAUMBACH	CLYDE R. KEITH
D. MAX BEARD	W. I. KISNER
GERALD M. BEST	RALPH E. LOVELL
GEORGE R. CRANE	C. DAVID MILLER
HAROLD E. EDGERTON	HERBERT W. PANGBORN
CARLOS H. ELMER	BERNARD D. PLAKUN
CHARLES R. FORDYCE	ALLAN L. SOREM
LLOYD T. GOLDSMITH	R. T. VAN NIMAN
LORIN D. GRIGNON	JOHN H. WADDELL
A. M. GUNDELFINGER	DEANE R. WHITE
CHARLES W. HANDLEY	W. T. WINTRINGHAM
RUSSELL C. HOLSLAG	CHARLES W. WYCKOFF
	EMERSON YORKE

Papers Committee Chairman

BERNARD D. PLAKUN, 63 Bedford Rd., Pleasantville, N.Y.

• • •

Subscriptions to nonmembers, \$12.50 a year; single copies, \$2.00 for one-part issues, \$2.50 for special two-part issues. A 10% discount is allowed to individual members and accredited agencies on orders for subscriptions and single copies. A list of priced and gratis publications is available. Order from the Society's Headquarters Office, 55 West 42nd St., New York 36.

• • •

THE SOCIETY is the growth of over forty years of achievement and leadership. Its members are engineers and technicians skilled in every branch of motion-picture film production and use, in television, and in the many related arts and sciences. Through the Society they are able to contribute effectively to the technical advance of their industry. The Society was founded in 1916 as the Society of Motion Picture Engineers and was renamed in 1950.

Membership in Sustaining, Active, Associate or Student grades is open to any interested person according to his qualifications. Information about membership, technical activities and standards and test films for the industry is available from Society Headquarters.

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

Headquarters Office: 55 West 42d St., New York 36, N.Y. Cables: Somopict Telephone: LOngacre 5-0172

Executive Secretary: CHARLES S. STODTER

Published monthly by the Society of Motion Picture and Television Engineers. Publication office 20th and Northampton Sts., Easton, Penna. Second-class mail privileges authorized at Easton, Penna. Copyright 1958, by the Society of Motion Picture and Television Engineers, Inc. Permission to republish Journal text material must be obtained in writing from the Society's Headquarters Office, 55 West 42d St., New York 36. The Society is not responsible for statements of contributors. Printed by Mack Printing Company, Easton, Pa.