

List of SMPTE Publications

An illustrated booklet, *This is SMPTE, explaining the Society's aims, structure and activities* is available gratis from Society Headquarters.

Motion Pictures

- (F-1) **Special Effects in Motion Pictures: Some Methods of Producing Mechanical Special Effects**
By Frank P. Clark, with SMPTE Advisory Committee. A definitive guidebook to miniatures, props, pyrotechnics and other mechanical special effects.
1966 cloth-bound 238 pp. 113 illus. index appendix \$7.50*
- (F-2) **Control Techniques in Film Processing**
Prepared by a special subcommittee of the Laboratory Practice Committee, Walter I. Kisner, Chairman. Foreword by E. H. Reichard, Laboratory Practice Committee Chairman.
1961 cloth-bound 181 pp. 73 illus. \$5.00*
- (F-3) **Principles of Color Sensitometry—Second Revised Edition**
A report of the Color Sensitometry Subcommittee. First edition published in 1950; this edition revised in 1962.
1963 cloth-bound 102 pp. illus. \$4.00*
- (F-4) **Elements of Color in Professional Motion Pictures**
Prepared by a Special Subcommittee of the SMPTE Color Committee, Wilton R. Holm, Chairman. Foreword by J. P. Weiss, Color Committee Chairman.
1957 hard-bound 104 pp. color illus. in stock, late 1967
- (F-5) **The Motion-Picture Theater**
Introduction by Ben Schlanger; 38 papers; 39 authorities; this book is a practical aid in the design and upkeep of motion-picture theaters.
1948 bound in green buckram 428 pp. illus. \$2.50*
- (F-6) **Screen Brightness Symposium**
A compilation of papers on screen brightness and viewing; an authoritative review. Reprinted from the August, 1953, *Journal*.
60 pp. \$1.00
- (F-9) **Selection and Specification of Rear-Projection Screens**
By Petro Vlahos. Reprinted from the February, 1961, *Journal*. A detailed examination of rear-projection screens.
7 pp. NC†
- (F-10) **Test Film Catalog**
All test films and test slides produced and distributed by the Society are listed with descriptions and prices.
16 pp. NC†
- (F-11) **The SMPTE Universal Leader For Release Prints**
By N. R. Olding. Reprinted from the January, 1965, *Journal*. A brief history of past leaders and differences between the old leaders and the new Universal Leader.
2 pp. NC†
- (F-12) **Wide-Screen Motion Picture Systems**
A report containing basic information on wide-screen motion pictures. Written in every-day language, the report includes dimensions and aspect ratios.
1965 17 pp. \$.50
- (F-13) **Motion-Picture Film—Its Size and Dimensional Characteristics**
By A. J. Miller and A. C. Robertson. Reprinted from the January, 1965, *Journal*. A status report presented to the SMPTE Film Dimensions Committee on October 15, 1963, and on September 29, 1964, to the Society's Technical Conference in New York.
19 pp. NC†
- (F-14) **An Evaluation of Photographic Image Quality and Resolving Power**
By Otto H. Schade, Sr. Reprinted from the February, 1964, *Journal*.
38 pp. foreword 4 chapters appendix \$1.00
- (F-15) **Traveling-Matte Photography and the Blue-Screen System—A Tutorial Paper**
By Walter Beyer. Reprinted from the March, 1965, *Journal*. The technical details of traveling-matte process presented in five parts. Also included are 4 pages of 2 brief papers: *Laced-Process—A New System of Rear-Projection Process*, by A. Arnold Gillespie, 2 pp.; and *Black-and-White Applications of the Blue-Screen Technique*, by Joseph Westheimer, 2 pp. Both reprinted from the November, 1964, *Journal*.
22 pp. \$1.00
- (F-16) **Special-Effects Cinematography—A Bibliography**
By Raymond Fielding. Reprinted from the June, 1960, *Journal*. Includes books on special effects, articles in journals, and other literature including unpublished research papers.
4 pp. NC†
- (F-17) **Good Reading About Motion Pictures: An Annotated Bibliography**
By Richard Dyer MacCann. Reprinted from the April, 1963, *Journal*. Includes books on motion-picture history, theory and criticism, filmwriting and film techniques.
3 pp. NC†
- (F-18) **Motion Picture Technical Terms in Five Languages**
Reprinted from the February, 1956, *Journal*. A list of frequently used technical terms in English, Spanish, French, Italian and German.
7 pp. NC; \$1.00 for 5 copies.
- (F-20) **Basic Principles of Stereophonic Sound**
By William B. Snow. Reprinted from the November, 1953, *Journal*. Summarizes the theory underlying stereophonic sound, with an extensive bibliography.
22 pp. \$.50
- (F-21) **Developments in Stereophony**
A companion piece to preceding item by W. B. Snow. Reprinted from the September, 1953, *Journal*. Discusses current practices in stereophonic sound.
94 pp. \$1.00
- (F-22) **Trouble Chart for Variable-Area Sound**
By Edgar A. Schuller. Reprinted from the October, 1964, *Journal*.
5 pp. NC†
- (F-23) **The Soundtrack in Nontheatrical Motion Pictures**
By Frank Lewin. Reprinted from the March, June, July, 1959 *Journals*. Part I, Components of the Soundtrack; Part II, Editing the Components of the Soundtrack; Part III, Preparing Work Prints and Soundtracks for Re-recording; Part IV, Re-recording.
20 pp. \$1.00
- (F-24) **History of Sound Motion Pictures**
By Edward W. Kellogg. Three papers reprinted from the June, July, August, 1955, *Journals*.
46 pp. \$1.00
- (F-25) **The ABC of Photographic Sound Recording**
By Edward W. Kellogg. Reprinted from the March, 1945, *Journal*. Outlines essential principles of photographic sound recording systems.
44 pp. bibliography \$1.00
- (F-26) **Market Review: Nontheatrical Film and Audio-Visual—1965**
By Thomas W. Hope. Reprinted from the December 1966, *Journal*. Eighth in a series of annual surveys, reporting on selected financial and statistical developments in the nontheatrical motion-picture-audio-visual field in the United States.
7 pp. NC†

* Less 20% to SMPTE members, libraries and booksellers; less 25% for 5-49 copies; 33¹/₃% for 50 or more copies. Foreign postage extra.

† No Charge for single copies. Quantity costs on request.

- (F-27) **Historic Aspects of the SMPTE**
By Glenn E. Matthews. Reprinted from the September 1966 *Journal*. The work of the Historical and Museum Committee and more than 70 historical papers are reviewed. With research, new developments and progress summaries included, there are 337 items in the bibliography, organized by subject.
12 pp. 19 illus. NC†
- (F-28) **Evolution in Tungsten Lamps for Television and Film Lighting**
By C. N. Clark and T. F. Neubecker. Reprinted from the April 1967 *Journal*.
16 pp. 32 illus. \$.75

Instrumentation and High-Speed Photography

- (RV-1-4) Since 1949, papers on high-speed photography published in the *Journal* have been reprinted from time to time in paperbound volumes. Volumes 1, 2, 3, and 4 are out of stock. They are now available on microfilm or as xerographic reprint copies from University Microfilms, Inc., 313 N. First St., Ann Arbor, Mich. 48106. They should be ordered as SOC M PIC & TV ENGS OP 4231 V1 (\$4.55), V2 (\$6.20), V3 (\$5.55), and V4 (\$5.95).
- (RV-5) **High-Speed Photography, Reprint Volume 5, First International Congress on High-Speed Photography** (see (P-1) below)
- (RV-6) **High-Speed Photography, Reprint Volume 6**
Contains papers published in the *Journal* in 1954-57. The Society has these in stock.
200 pp. \$3.50*
- (RV-7) **Instrumentation and High-Speed Photography, Volume I, Series II**
Contains 43 papers reprinted from the *Journal*, 1957-1960 (with the exception of one paper first published in 1955). Table of contents and index plus cumulative index of papers published in Volume 1 through 6 of previous series.
1960 187 pp. paper bound illus. \$4.00*
- (RV-8) **Instrumentation and High-Speed Photography, Volume II, Series II**
This latest volume in SMPTE's high-speed photography reprint series brings up to date the authoritative record that the Society began publishing in 1949. Many of the papers have been supplemented since their original publication in the *Journal*. The volume features a cumulative index for all eight volumes published in the two SMPTE high-speed photography series, and includes abstracts in French, German and Spanish.
1963 200 pp. illus. bound \$5.00*
- (RV-9) **Bibliography on High-Speed Photography**
Compiled by Elsie Garvin and made available through the courtesy of Eastman Kodak Co. This is cumulative. Contains earlier entries of the January, 1951, and December, 1953, bibliographies (reprinted from the SMPTE *Journal*) plus entries through 1959.
48 pp. bound NC†
- (RV-10) **Some Automatic Methods of Lens Design**
Reprinted from the March 1967 *Journal*: Preamble, J. S. Courtney-Pratt; Lens Design by Statistical Analysis, Berlyn Brixner; Designing Lenses With a Computer, G. A. Lehman; Written Questions and Answers Concerning the Two Papers Above; Discussion by Nine Panelists.
26 pp. illus. \$1.00

Proceedings of International High-Speed Photography Congresses

- (P-1) **1st International Congress on High-Speed Photography (Symposium at the 72nd SMPTE Conference, October, 1952, Washington D.C.), SMPTE Reprint Volume 5**
All available high-speed photography papers were published. Papers printed in English.
1954 359 pp. bound \$4.50*

- (P-2) **2d International Congress on High-Speed Photography (2ème Congrès International de Photographie et Cinématographie Ultra-Rapides, September, 1954, Paris)**
Proceedings (Photographie et Cinématographie Ultra-Rapides) published by Dunon, 92 rue Bonaparte, Paris 6, France. Papers were printed in the languages in which they were given, with summaries in English, French and German.
1956 455 pp. hardbound \$17.25‡
- (P-3) **3d International Congress on High-Speed Photography, (September, 1956, London)**
Proceedings published by Butterworths Publications, Ltd., 88 Kingsway, London W. C. 2; in USA by Butterworths, Inc., 7300 Pearl St., Bethesda, Maryland. Papers are printed in English.
1957 417 pp. hardbound \$13.00‡
- (P-4) **4th International Congress on High-Speed Photography (IV Internationaler Kongress über Kurzzeitphotographie und Hochfrequenzkinematographie, September 1958, Cologne)**
Proceedings (Kurzzeitphotographie) published by Verlag Dr. Othmar Helwich, D-61 Darmstadt, Hoffmannstr. 59, Germany. Papers are printed in language in which they were given, with summaries in English, French and German.
1959 340 pp. hardbound \$22.00‡
- (P-5) **5th International Congress on High-Speed Photography (October, 1962, Washington, D.C.)**
Proceedings published by the SMPTE. Contains 103 technical papers, seven summaries, abstracts, discussions, indexes. Papers printed in English. Abstracts of all papers also in French and German. Edited by J. S. Courtney-Pratt. Available on microfilm; also as xerographic reprints from University Microfilms, Inc., 313 N. First St., Ann Arbor, Mich. 48106. It should be ordered as SOC M PIC & TV ENGS OP 4231 V5 (\$23.45).
- (P-6) **6th International Congress on High-Speed Photography (September, 1962, The Hague/Scheveningen, Netherlands)**
Proceedings published by H. D. Tjeenk Willink & Zoon N. V., P.O. Box 113, Haarlem, The Netherlands. Papers are printed in the language in which they were given, with summaries in English, French and German.
1963 796 pp. hardbound \$30.00‡
- (P-7) **7th International Congress on High-Speed Photography (September, 1965, Zurich, Switzerland)**
Publication of proceedings to be announced. To be published by Verlag Dr. Othmar Helwich, D-61 Darmstadt, Hoffmannstr. 59, Germany.

Television

- (TV-1) **Considerations in Color Film Production for Color Television**
By John M. Waner. Reprinted from the May, 1964, *Journal*. A report of the SMPTE Color TV and TV Subcommittee, John M. Waner, Chairman. Presented April 13, 1964, at the SMPTE Conference in Los Angeles.
8 pp. NC†
- (TV-2) **Television Bibliography**
A listing of all papers on television that appeared in the *Journal* from January, 1940, through December, 1958.
31 pp. NC†
- (TV-3) **TV Studio Lighting Nomenclature**
Television studio lighting terms compiled by the Television Studio Lighting Subcommittee on Nomenclature, George H. Gill, Sr., Chairman. Reprinted from the June, 1964, *Journal*. A useful reference.
1 p. NC†
- (TV-4) **Black-and-White Television Monitoring and Video Levels**
By Harold Wright. Reprinted from the November, 1961, *Journal*.
16 pp. NC†

‡ Order direct from publisher

- (TV-5) **An Engineering Approach to Television Film**
 Three papers written by L. J. Murch, Harold Wright and
 Rodger J. Ross. Reprinted from the November, 1959,
Journal.
 25 pp. NC†

Standardization

(See also (F-10) *Test Film Catalog*.)

- (ST-1) **The SMPTE and the American Standards Program**
 By Alex E. Alden. Reprinted from the November, 1962,
Journal. Discusses the role the Society plays in the es-
 tablishment of USA Standards in motion pictures and
 television.
 4 pp. NC†
- (ST-2) **International Standardization (Report of Fifth Meeting
 of ISO/TC 36, Cinematography, Milan, Italy, October,
 11-15, 1965)**
 By Alex E. Alden. Reprinted from the December, 1965,
Journal. The history and organization of the Technical
 Committee are briefly described and the proposals, recom-
 mendations and resolutions are listed.
 5 pp. NC†
- (ST-3) **Index to SMPTE-Sponsored USA Standards and
 Recommended Practices**
 2 pp. NC†
- (ST-4) **A Note on the Early History of the Society and its
 Work on Standardization**
 By Glenn E. Matthews, Chairman, SMPTE Historical
 and Museum Committee. Reprinted from the March,
 1963, *Journal*.
 15 pp. NC†
- (ST-5) **SMPTE Standards Subscription Service for 1967**
 A service to assist firms, libraries and individuals in es-
 tablishing and maintaining a complete and current file
 of all the approved USA Standards and SMPTE Recom-
 mended Practices. A loose-leaf binder is also available.
 Information may be obtained from SMPTE Headquar-
 ters, 9 E. 41st St., N.Y., N.Y. 10017.

Recommended Practices

- RP 1 Recommendations for 16-mm and 8-mm Sprocket Design
- RP 3 Lens Mount Surface for High-Speed Motion-Picture
 Cameras
- RP 4 Reporting Photometric Performance of Incandescent
 Filament Lighting Units
- RP 5 Dimensions of Patch Splices in 2-in. Video Magnetic Tape
- RP 6 Reference Carrier Frequencies and De-Emphasis Char-
 acteristics for 2-in. Quadruplex Video Magnetic Tape Re-
 cording
- RP 7 Density and Contrast Range of Black-and-White Films
 and Slides for Television
- RP 8 Safe Action and Safe Title Areas for TV Transmission
- RP 9 Dimensions of Double-Frame 35mm 2x2 Slides for Precise
 Applications in Television
- RP 10 Signal Specifications for a Monochrome Video Align-
 ment Tape for 2-in. Video Magnetic Tape Recording
- RP 11 Tape Vacuum Guide Radius and Position for Recording
 Standard Video Records on 2-in. Magnetic Tape
- RP 12 Minimum Screen Luminance for Drive-In Theaters
- RP 14 Plotting Data from Sensitometric Strips Exposed on
 Type Ib2 (Intensity Scale) Sensitometers
- RP 15 Calibration of Densitometers Used for Black-and-White
 Photographic Density Measurement

- RP 16 Specifications of Tracking Control Record for 2-in.
 Video Magnetic Tape Recordings
- RP 17 A Photographic Recording Technique for Measuring
 High-Speed Camera Image Unsteadiness
- RP 18 Test Film for Checking 16mm Motion-Picture Pho-
 tographic Sound Projectors
- RP 19 Specifications for 8mm Registration Test Film
- RP 20 Specifications for 16mm Registration Test Film
- RP 21 Dimensions of 35mm Rewind Spindles
- RP 22 Specifying Graph Paper Used in Inter-Laboratory
 Exchange of Plotted Sensitometric Data
- RP 23 Reinforcement of 70mm Positive Splices
- RP 24 Dimensions for 16mm Motion-Picture Camera Spindles
- RP 25 Sound and Picture Synchronization on Motion-Picture
 Film Relative to the Universal Leader for Magnetic and
 Photographic Tracks
- RP 26 Label Specifications for 2-in. Quadruplex Video Magnetic
 Tape Recordings

Periodicals

(JL-1) Journal of the SMPTE

Published monthly. Subscriptions: \$16 to nonmembers.
 Single copies: \$2.00. Back issues from 1916 to date, when
 in stock: \$2.00 each; \$2.50 for special 2-part issues. Out-
 side continental U.S., add \$1.00 for postage. Information
 available at SMPTE Headquarters, 9 E. 41st St., N.Y.,
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BACK ISSUES

Single copies of the *Transactions* or *Journal* from 1930 to
 date, when in stock, are available at \$2.00 each. *Those now
 out of print are: Transactions* No. 1, 2, 3, 5, 6, 7, 8, 9, 11, 14, 18
 and *Journals* dated: June 1933; January through April 1934;
 April 1937; January 1938; April 1939; May and June 1940;
 July 1941; February, March, April, May and July 1944;
 January and August 1945; January, February, March and
 July 1946; January 1947; February 1948; January, July,
 August, September and November 1949; January, Febru-
 ary and June 1950; May 1954.

(JL-2-7) Indexes of the Journal of the SMPTE

JL-2, 1930-1935, \$2.00; JL-3, 1935-1945, \$3.00; JL-4,
 1946-1950, \$2.00; JL-5, 1951-1955, \$2.50; JL-6, 1956-
 1960, \$2.50; JL-7, 1961-1965, \$2.50.

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