

List of SMPTE Publications

(The following publications are available from Society Headquarters, 9 E. 41st St., New York, N.Y. 10017, unless otherwise noted.)

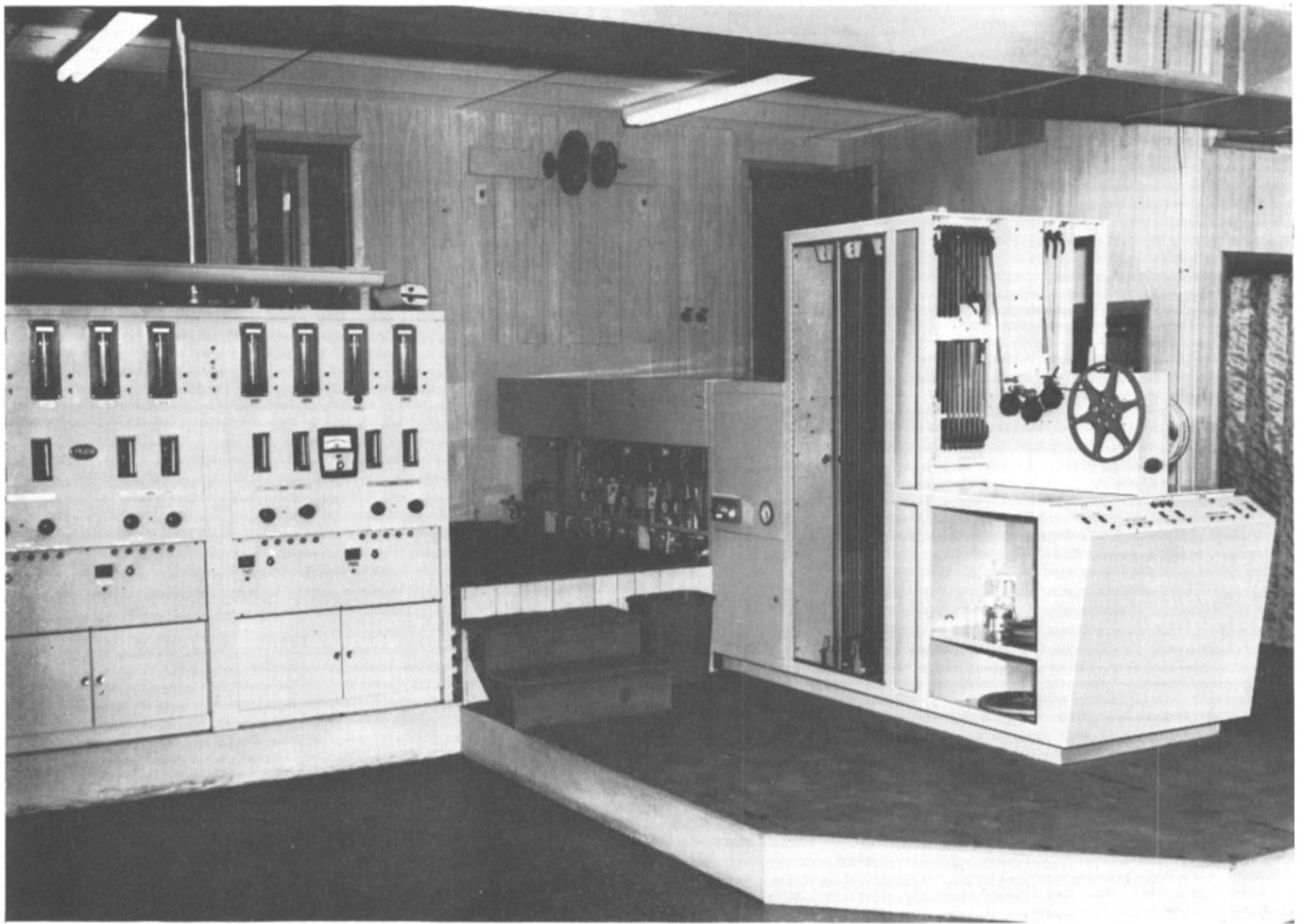
Motion Pictures

- MP-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*
- MP-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*
- MP-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*
- MP-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 cloth-bound 104 pp. color illus. \$3.50*
- MP-5 The Motion-Picture Theater**
Introduction by Ben Schlanger; 3 chapters by 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*
- MP-6 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†
- MP-7 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
- MP-8 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
- MP-9 Trouble Chart for Variable-Area Sound**
By Edgar A. Schuller. Reprinted from the October, 1964, *Journal*.
5 pp. NC†
- MP-10 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†
- MP-11 Traveling-Matte Photography and the Blue-Screen System—A Tutorial Paper**
By Walter Bayer. 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

- MP-12 Test Film Catalog**
All test films and test slides produced and distributed by the Society are listed with descriptions and prices.
16 pp. NC†
- MP-13 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
- MP-14 Developments in Stereophony**
A companion piece to article by W. B. Snow (MP-13). Reprinted from the September, 1953, *Journal*. Discusses current practices in stereophonic sound.
94 pp. \$1.00
- MP-15 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
- MP-16 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†
- MP-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†
- MP-18 Motion Picture Technical Terms in 5 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.
- MP-19 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
- MP 20 History of Sound Motion Pictures**
By Edward W. Kellogg. Three papers reprinted from the June, July, August, 1955, *Journals*.
46 pp. \$1.00
- MP-21 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 Sound Tracks for Recording; Part IV, Re-recording.
20 pp. \$1.00
- MP-22 Nontheatrical Films—Interim Report No. 3**
By Thomas W. Hope. Reprinted from the February, 1962, *Journal*. Fourth in a series describing new developments in the motion-picture—audiovisual field.
3 pp. NC†
- MP-23 Nontheatrical Films—Interim Report No. 4**
By Thomas W. Hope. Reprinted from the August, 1963, *Journal*. Fifth in a series describing new developments in the motion-picture—audiovisual field.
3 pp. NC†
- MP-24 Nontheatrical Films—Interim Report No. 5**
By Thomas W. Hope. Reprinted from the August, 1964, *Journal*. Sixth in a series describing new developments in the motion-picture—audiovisual field.
4 pp. NC†

* Less 20% to SMPTE members, libraries and booksellers; less 25% for 5-49 copies; 33 $\frac{1}{8}$ % for 50 or more copies. Foreign postage extra.
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MP-25 Market Review: Nontheatrical Film and Audio Visual—1964

By Thomas W. Hope. Reprinted from the September, 1965, *Journal*. Seventh in a series (consisting of the 1959 Survey Report and the five following Interim Reports) reporting on selected financial and statistical developments in the nontheatrical motion-picture—audiovisual field in the United States.

NC†

Instrumentation and High-Speed Photography

HS-1-6 High-Speed Photography, Reprint Volumes 1 Through 6

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. They should be ordered as SOC M PIC & TV ENGS OPO 4231 V1, V2, V3 or V4. For Volume 5(HS-5), see First International Congress on High-Speed Photography below. Volume 6(HS-6), contains papers from 1954–1957.

(vol. 6) 200 pp. \$3.50*

HS-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*

HS-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 20 pp. illus. bound \$5.00*

HS-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†

International High-Speed Photography Congresses

HS-5 First International Congress on High-Speed Photography (Symposium at the 72nd SMPTE Conference, October, 1952, Washington D.C.), Volume 5

All available high-speed photography papers were published. Papers printed in English.

1954 359 pp. bound \$4.50*

HS-10 Second International Congress on High-Speed Photography (2^{ème} 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‡

HS-11 Third 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‡

HS-12 Fourth 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‡

HS-13 Fifth 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. Copies will be available on microfilm or as xerographic reprints from University Microfilms, Inc., 313 N. First St., Ann Arbor, Mich.

1962 604 pp. illus. out of print

HS-14 Sixth 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‡

HS-15 Seventh 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†

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

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 establishment of American Standards in motion pictures and television.

4 pp. NC†

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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, recommendations and resolutions are listed.
5 pp. NC†

ST-3 Index to SMPTE-Sponsored American 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 1966
A service to assist firms, libraries and individuals in establishing and maintaining a complete and current file of approved American Standards and SMPTE Recommended Practices. A loose-leaf binder is also available. Information may be obtained from SMPTE Headquarters, 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** Patch Splices in 2-in. Video Magnetic Tape
- RP-6** Modulation Levels for Monochrome 2-in. Video Magnetic-Tape Recording
- RP-7** Density and Contrast Range of Black-and-White Films and Slides for Television
- RP-8** Safe Title Area for TV Transmission
- RP-10** Signal Specifications for a Monochrome Video Alignment 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-13** Safe Action Area for TV Transmission
- RP-14** Plotting Data from Sensitometric Strips Exposed on Type 1b2 (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 Photographic Sound Projectors
- RP-19** Specifications for 8-mm Registration Test Film
- RP-20** Specifications for 16-mm Registration Test Film

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. Outside continental U.S., add \$1.00 for postage. Information available at SMPTE Headquarters, 9 E. 41st St., N.Y., N.Y. 10017.
- JL-2** Index of the Journal of the SMPTE — 1930-1935 \$2.00
- JL-3** Index of the Journal of the SMPTE — 1936-1945 \$3.00
- JL-4** Index of the Journal of the SMPTE — 1946-1950 \$2.00
- JL-5** Index of the Journal of the SMPTE — 1951-1955 \$2.50
- JL-6** Index of the Journal of the SMPTE — 1956-1960 \$2.50
- JL-7** Index of the Journal of the SMPTE — 1961-1965
To be published in 1969

Historical Note: An Early Automatic Small-Film Camera

From the Press Department of "Eumig"—Elektrizitäts- und Metallwaren-Industrie, Buchengasse 11-15, Vienna 10, Austria, has come information about their first automatic camera, sent upon the occasion of their 30th birthday. The following text and illustrations have been extracted.

The fully automatic motion-picture

camera for amateur use, particularly the Super 8, did not come on the scene as the result of a sudden inspiration; rather it represents the culmination of a long period of development dating back some 30 years.

According to Eumig, the "ancestor" of the new automatic cameras is the Eumig C2 (Figs. 1, 2, 3) which was introduced in 1935. The C2 incorporated a photoelectric

exposure meter. To use the meter the operator had only to move a single handle. The correct exposure was then shown on the viewfinder. Described as "semi-automatic exposure," the design of the meter was based on patents filed in 1930 by Dr. Ödön Riszdorfer involving the use of photoelectric cells for the determination of correct exposures. The C2 is said to be

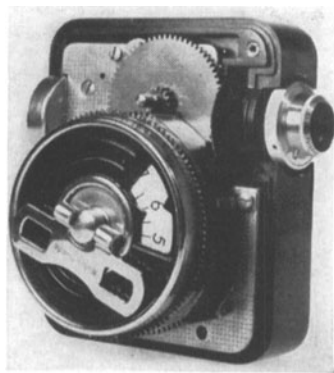


Fig. 1. Eumig C2, half of the housing (incorporating the viewfinder and the meter system) removed.

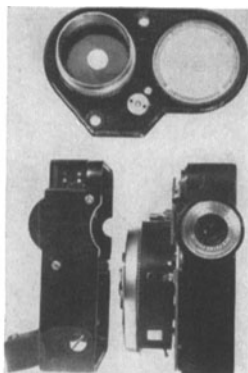


Fig. 2. Eumig C2 disassembled.

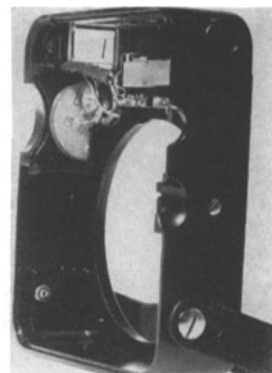


Fig. 3. Inner view of the camera housing, removed in Fig. 1, showing the arrangement of the exposure meter and the indicator needle in the viewfinder system.