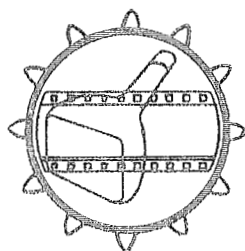


JOURNAL OF THE



SMPTE

FIVE-YEAR

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PART II • NOVEMBER 1956

1916-1955

This is the fifth cumulative index issued by the Society since its creation in 1916. The first Index covered the period from July 1916 to June 1930. The Society's publication was called *Transactions* until January 1930 when the name was changed to the *Journal*. The first Index included not only subject and author listings but also a synopsis of each paper. As the membership increased and the scope of the Society widened it became infeasible to include material of this nature in the Index. Changes were made in each subsequent index to accommodate a wider range of subject matter and a greater number of contributors.

In compiling the present Index the editors have followed, in general, the plan of similar indexes, but have endeavored to anticipate the special requirements of members, students and researchers who will be using this Index. Additions have been made to subject categories; Book Reviews are arranged alphabetically by title; and the Obituaries and Biographical Notes are arranged alphabetically by name.

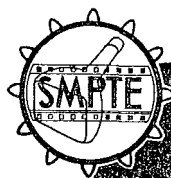
In 1916, the confusion arising at home and abroad through want of cooperation and standardization prompted C. Francis Jenkins, inventor and scientist, to enlist the sympathy of a dozen manufacturers and their technicians to found a society which should have for its avowed purpose "advancement in the theory and practice of motion picture engineering and the allied arts and sciences, the standardization of the mechanism and practices employed therein and the dissemination of scientific knowledge by publication."

The above statement appeared in the preface to the first Index. Those aims and purposes are still valid today after 40 years of scientific advances throughout the world. One of the developments that has increased the influence of the Society and widened its sphere of usefulness has been the birth and growth of the television industry. The dozen initial backers of the Society have increased to over 6000 members; the early *Transactions* has grown to the present-day *Journal*; nearly a hundred American Standards and Test Films are currently available through the Society.

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

55 WEST 42nd STREET, NEW YORK 36, N. Y.

FIVE-YEAR INDEX—1951-1955



**Journal of the
Society of Motion Picture
and Television Engineers**

SUBJECT CATEGORIES

Each Journal technical paper, report and industry standard is indexed under one or more of the following headings. American Standards, proposals and SMPTE Recommendations are also given in the American Standards index, pp. 30-32. Society announcements (about awards, Board meetings, conventions, engineering activities news, membership, nominations and elections, section activities, etc.) will be found under subheadings of Society Activities.

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- New Products (a column of brief items)
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- Three-Dimension: see **Stereoscopy**
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57: July-Dec. 1951	62: Jan.-June 1954
58: Jan.-June 1952	63: July-Dec. 1954
59: July-Dec. 1952	64: Jan.-Dec. 1955
60: Jan.-June 1953	(the first annual volume)

Acoustics

- Broadcast Studio Redesign, Leo L. Beranek, **64:** 550-558, Oct. 1955
- Production Studio Multiple-Stage Design, Daniel J. Bloomberg, John E. Pond and Michael Rettinger, **63:** 19-21, July 1954
- Acoustic Problems at the "Waldbühne" Open-Air Sound Theater in Berlin, Hans Simon, **59:** 512-516, Dec. 1952
- Auditorium Specifically Designed for Technical Meetings, D. Max Beard and A. M. Erickson, **59:** 205-211, Sept. 1952
- Recent Improvements in Silencing Engine-Driven Generators, L. D. Grignon, **58:** 43-52, Jan. 1952
- Auditory Perspective—A Study of the Biological Factors Related to Directional Hearing, H. G. Kobrak, **57:** 328-335, Oct. 1951
- Discussion—Forum on Motion Picture Theater Acoustics, **57:** 159-169, Aug. 1951
- Notes on Movie Theater Acoustics in Scandinavia (Forum on Motion Picture Theater Acoustics), Uno Ingard, **57:** 156-158, Aug. 1951
- Pulse Methods in the Acoustic Analysis of Rooms (Forum on Motion Picture Theater Acoustics), J. Moir, **57:** 147-155, Aug. 1951
- Introduction—Forum on Motion Picture Theater Acoustics, W. H. Rivers, *Chairman*; L. L. Beranek, *Moderator*, **57:** 145-146, Aug. 1951

Animation

- Plotting Device for the Animation Stand, C. E. Beachell, **63:** 86-87, Sept. 1954
- Animation Stand of New Design, E. H. Bowlds, **60:** 58-65, Jan. 1953
- Animation for Individual Television Stations, Ernest F. Hiser, **59:** 293-299, Oct. 1952
- Drawing in Three Dimensions for Animation and Stereoscopic Processes, Ernest F. Hiser, **59:** 287-292, Oct. 1952
- Stereographic Animation, Norman McLaren; Appendix—Generation of Oscillographic Patterns, Chester Beachell, **57:** 513-520, Dec. 1951
- Atlantic Coast Meeting on Animation, **57:** 280-282, Sept. 1951

Arcs

- Arc Lamps for 16mm Projectors, R. S. Freeman, **64:** 499-500, Sept. 1955
- Performance of High-Intensity Carbons in the Blown Arc, C. E. Greider, **61:** 525-532, Oct. 1953

- Recent Developments in Carbons for Motion-Picture Projection, F. P. Holloway, R. M. Bushong and W. W. Lozier, **61:** 223-240, Aug. 1953
- A-C High-Intensity Arc Slide Projector, Arthur J. Hatch, **59:** 335-337, Oct. 1952
- Continuous Arc Projector Light Meter, Harry P. Brueggemann, **59:** 40-43, July 1952
- Carbon-Arc Characteristics That Determine Motion Picture Screen Light, M. T. Jones and F. T. Bowditch, **56:** 310-316, Mar. 1951

Biographical Notes

- Capstaff, John G., **63:** 68, Aug. 1954
- Clerc, Louis Philippe, **64:** 460-462, Aug. 1955
- Downes, A. C., **58:** 266, Mar. 1952
- Ernemann, Alexander, **64:** 40, Jan. 1955
- Schmid, Fred, **56:** 178, Aug. 1951
- Sease, Virgil B., **56:** 366, Mar. 1951
- Stechbart, Bruno E., **56:** 260, Feb. 1951

Book Reviews

- Acoustical Designing in Architecture*, by Vern O. Knudsen and Cyril M. Harris (Reviewed by James Y. Dunbar), **56:** 365, May 1951
- Acoustical Terminology*, sponsored by ASA and IRE, **58:** 78, Jan. 1952
- Acoustics*, by Leo L. Beranek (Reviewed by William B. Snow), **63:** 203, Nov. 1954
- Advances in Electronics and Electron Physics*, Vol. 6, ed. by L. Marton (rev. by A. H. Morrish), **64:** 522, Sept. 1955
- Agfacolor Process, a Short Bibliography*, compiled by Alexis N. Vorontzoff (Reviewed by Lloyd E. Varden), **58:** 462, May, 1952
- American Cinematographer Hand Book and Reference Guide*, by Jackson J. Rose, **61:** 347, Sept. 1953
- American Standard Abbreviations for Use on Drawings*, Z32.13-1950 (Reviewed by Charles A. Meyer), **56:** 592, May 1951
- 25th Anniversary Number of the Journal of the Biological Photographic Association* (a notice), **64:** 526, Sept. 1955
- Application of the Electronic Valve in Radio Receivers and Amplifiers (Vol. II)*, by B. G. Dammers, J. Haantjes, J. Otte and H. Van Suchtelen (Reviewed by Richard H. Dorf), **58:** 461, May 1952
- Audio Anthology*, edited by C. G. McProud (Reviewed by G. W. Read), **57:** 180, Aug. 1951
- Audio-Visual Communication Review*, National Education Association, **60:** 315, Mar. 1953
- The Audio-Visual Equipment Directory—2d Ed.* (a notice), **64:** 526, Sept. 1955
- Auditoriums*, National Education Association, **60:** 442, Apr. 1953
- Bases Techniques de la Television*, by H. Delaby (Reviewed by S. W. Athey), **58:** 460, May 1952

- Basic Electron Tubes*, by Donovan V. Geppert (Reviewed by Harry R. Lubcke), **58:** 460, May 1952
- Charlie Chaplin*, by Theodore Huff, **58:** 77, Jan. 1952
- Chemie Physique des Couches Sensibles Photographiques*, by Marcel Abribat (rev. by Louis Raitiere), **64:** 214, Apr. 1955
- Classrooms*, No. 1 in series *Planning Schools for Use of Audio-Visual Materials*, National Education (Reviewed by D. F. Lyman), **59:** 241-242, Sept. 1952
- Closed Circuit Data Book*, by Leonard Spinrad, **64:** 466, Aug. 1955
- Color Fundamentals*, by Maitland Graves, (Reviewed by S. M. Newhall), **60:** 644, May 1953
- Color in Business, Science and Industry*, by Deane B. Judd (Reviewed by L. M. Dearing), **59:** 357, Oct. 1952
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- Commercial Motion Picture Production Accounting*, by Ben Dyer, **64:** 47, Jan. 1955
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- Descriptive Color Names Dictionary*, by Helen D. Taylor, Lucille Nache and Walter C. Granville (Reviewed by Dorothy Nickerson), **56:** 594, May 1951
- Designing for TV—The Arts and Crafts in Television*, by Robert J. Wade (Reviewed by Rudy Bretz), **61:** 84, July 1953
- Dictionary of Color—New Second Edition*, by A. Maerz and M. R. Paul (Reviewed by Dorothy Nickerson), **56:** 594, May 1951
- A Directory of 2,660 16mm Film Libraries* (a notice), **63:** 156, Oct. 1954
- Die Lichtverteilung im Grossen in der Brennebene des photographischen Objektiivs*, Ernst Wandersleb (Reviewed by Max Herzberger), **62:** 258, Mar. 1954
- Drive-In Theatre (A Manual of Design and Operation)*, George M. Petersen (Reviewed by Rowland H. Müller), **62:** 401, May 1954
- Dynamics of the Film*, by Joseph and Harry Feldman (Reviewed by George L. George), **58:** 361, Apr. 1952
- Einführung in die wissenschaftliche Kinematographie*, by Dr. Werner Faasch (Reviewed by Walter Clark), **58:** 176, Feb. 1952
- Electrical Engineers' Handbook—Electric Communication and Electronics*, Vol. II, 4th Ed., edited by Harold Pender and Knox McIlwain (Reviewed by Clyde R. Keith), **56:** 131-132, Jan. 1951
- Electronic Measurements, 2d ed.*, Frederick Emmons Terman and Joseph Mayo Petit (Reviewed by W. K. Grimwood), **62:** 258-259, Mar. 1954
- Elements of Television Systems*, by George E. Anner

- (Reviewed by Richard H. Dorf), 57: 397, Oct. 1951
- Encyclopedia on Cathode-Ray Oscilloscopes and Their Uses*, by John F. Rider and Seymour D. Uslan (Reviewed by Scott Helt), 57: 178, Aug. 1951
- Exposure Meters and Practical Exposure Control*, by J. F. Dunn (Reviewed by Theodore H. Projector), 60: 198-199, Feb. 1953
- Additional Data, 60: 743, June, 1953
- Farbenmetrik*, Hans Arens (Reviewed by Sidney M. Newhall), 62: 402-403, May 1954
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- The 1955 Film Daily Year Book of Motion Pictures* (a notice), 64: 334, June 1955
- The Film Industry in Six European Countries*, by Film Centre, London, 58: 77, Jan. 1952
- Film Manual 1955*, National Association of Radio and Television Broadcasters (a notice), 64: 464, Aug. 1955
- Film Technique and Film Acting*, by V. I. Pudovkin (Reviewed by George L. George), 63: 156, Oct. 1954
- Filter Design Data for Communication Engineers*, by J. H. Mole (Reviewed by G. W. Read), 60: 313, Mar. 1953
- Flash! Ultra-High Speed Photography, 2d ed.* by Harold E. Edgerton and James R. Killian, Jr., (Reviewed by Kenneth Morgan), 63: 114, Sept. 1954
- Fluorescent Lighting*, by W. Elenbaas et al., edited by C. Zwicker (Reviewed by C. L. Amick), 59: 78, July 1952
- Focal Cinebooks*, Focal Press' "How to" series (Reviewed by Lloyd E. Varden), 59: 243, Sept. 1952
- French Film*, Georges Sadoul, 62: 403, May 1954
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- Fundamentals of Acoustics*, by Lawrence E. Kinsler and Austin R. Frey (Reviewed by Dr. Harvey Fletcher), 56: 130, Jan. 1951
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- The Great Audience*, by Gilbert Seldes (Reviewed by Thomas Barry Hunt), 56: 254-255, Feb. 1951
- A Guide to Film Services of National Associations* (a notice), 63: 156, Oct. 1954
- The Handbook of TV and Film Technique*, by Charles W. Curran (Reviewed by Gordon A. Chambers), 60: 643, May 1953
- High-Speed Photography Issue* (of *The Photographic Journal*), 59: 544, Dec. 1952
- Home Music Systems: How to Build and Enjoy Them*, by Edward Tatnall Canby, 61: 85, July 1953
- How to Do Home Movie Tricks*, by Julien Caunter (rev. by E. M. Pittaro), 64: 584, Oct. 1955
- How To Draw in 3rd Dimension*, by David Gordon (rev. by Ernest F. Hiser), 64: 523, Sept. 1955
- Ideas on Film (A Handbook for the 16-Mm Film User)*, edited by Cecile Starr (Reviewed by George L. George), 57: 503, Nov. 1951
- IES Lighting Handbook (2d ed.)* (Reviewed by M. S. Wright), 58: 459, May, 1952
- The Illumination of Photographic Darkrooms and the Determination of the Spectral Sensitivity of Photographic Material*, by G. Weber (Reviewed by D. R. White), 57: 180, Aug. 1951
- The Indian Film*, by Panna Shah (Reviewed by Raymond Spottiswoode), 58: 77, Jan. 1952
- Internationale Bibliographie der Farbenlehre und Ihrer Grenzgebiete*, by Manfred Richter (Reviewed by S. M. Newhall), 60: 644-645, May, 1953
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- Introduction to 3-D*, by H. Dewhurst (rev. by John T. Rule), 64: 44, Jan. 1955
- 3-D Kinematography and New Screen Techniques*, by Adrian Cornwell-Clyne (rev. by John A. Norling), 64: 520, Sept. 1955
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- L'Arc Electrique Intensif*, by Dr. Jean Parisot (Reviewed by C. E. Greider), 63: 118, Sept. 1954
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- Lighting for Color and Form—Principles, Equipment, and Applications*, by Rollo Gillespie Williams (rev. by Bernard D. Plakun), 64: 96, Feb. 1955
- L'Ingénierie du Son en Radio-diffusion, Cinéma, Télévision*, by V. Jean-Louis (Rev. by Skipworth W. Athey), 64: 270, May, 1955
- The Little Fellow, the Life and Work of Charlie Chaplin*, by Peter Cotes and Thelma Niklaus, 58: 78, Jan. 1952
- Magnetic Heads and Magnetic Recording*, by William V. Stancil (rev. by J. C. Davidson), 64: 214, Apr. 1955
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- Photography, Its Materials and Processes*, by C. B. Neblette and collaborators (Reviewed by O. W. Richards), 61: 346, Sept. 1953
- Photography With the Graftex 22*, by John S. Carroll (a notice), 63: 204, Nov. 1954
- Photo-Lab-Index*, Morgan & Lester, 62: 260, Mar. 1954
- Preparation and Use of Audio-Visual Aids*, by Kenneth B. Haas and Harry Q. Packer (Reviewed by Paul R. Wendt), 56: 255-256, Feb. 1951
- Principles of Color Photography*, by Ralph M. Evans, W. T. Hanson, Jr., and W. Lyle Brewer (Reviewed by Lloyd E. Varden), 61: 560, Oct. 1953
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- Proceedings of the London Conference on Optical Instruments 1950* (Reviewed by O. W. Richards), 59: 242, Sept. 1952
- Proceedings of the National Electronics Conference—Vol. 10* (rev. by Sol Sherr), 64: 463, Aug. 1955
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- Proceedings of the Speech Communication Conference at M.I.T.*, Journal of the Acoustical Society of America (Contents Listed), 56: 593, May, 1951
- Proceedings of the Symposium on Modern Network Synthesis*, conducted by Polytechnic Institute of Brooklyn (a notice), 64: 335, June, 1955
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- Progress in Photography 1951-1954* (rev. by Lloyd E. Varden), 64: 270, May, 1955
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- Projectionist's Manual* (a notice), 64: 520, Sept. 1955
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- Research Film*, new bulletin, 61: 347, Sept. 1953
- Revue du Son* (new sound periodical), 62: 260, Mar. 1954
- The Science of Color*, Committee on Colorimetry of the Optical Society of America (Reviewed by E. I. Stearns), 61: 206, Aug. 1953
- Slides and Opaques for Television*, Eastman Kodak Co., 62: 260, Mar. 1954
- Sound Film Projection, Fourth Edition*, E. Molloy, Ed. (Reviewed by Willy Borberg), 62: 402, May, 1954
- Soviet Physics—JETP* (notice of new journal), 64: 526, Sept. 1955
- Staging TV Programs and Commercials*, by Robert J. Wade (rev. by George L. George), 64: 44, Jan. 1955
- Standards for Single-Line Diagrams*, 58: 361, Apr. 1952
- Stereo Realist Manual*, by Morgan and Lester, et. al. (a notice), 63: 204, Nov. 1954
- Storage Tubes and Their Basic Principles* by M. Knoll and B. Kazan (Reviewed by Harry R. Lubcke), 59: 544, Dec. 1952
- Take Stock of Your Picture*, Van Praag Productions (a notice), 64: 272, May, 1955
- Tape and Film Recording* (new sound periodical), 62: 260, Mar. 1954
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Three-Dimensional Photography: The Principles of Stereoscopy, by Herbert C. McKay (Reviewed by J. A. Norling), 58: 76, Jan. 1952

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TV Factbook (a notice), 63: 204, Nov. 1954

TV Stations, by Walter L. Duschinsky (rev. by R. A. Isberg), 64: 462, Aug. 1955

Twenty Years of Cinema in Venice, ed. by Antonio Petrucci (rev. by George L. George), 64: 272, May 1955

Underwater Photography and Television, by E. R. Cross (rev. by George L. George), 64: 272, May 1955

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Cameras

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Thomas Alva Edison's Early Motion-Picture Experiments, H. G. Bowen, 64: 508-514, Sept. 1955

Multiple-Camera Control, I. A. Moon and F. A. Everest, 64: 485-490, Sept. 1955

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New 35mm Single-Film-System Kinescope Recording Camera, Robert M. Fraser, 62: 441-449, June 1954

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Electrothermal heating tape, Arthur S. LaPine, 64: 647-650, Nov. 1955

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Magnetic Erasing Pencil Type 8905, Cinema Engineering Co.

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High-speed photographic service, Beckman & Whitley, Inc.

RCA-200 projector for indoor and drive-in theaters

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Mfg. Co.

FL-1001 TV Projector, Fleetwood Corp.

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Fredzlite, 3-color "safe" pocket flashlight, Metlen Mfg. Co.

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