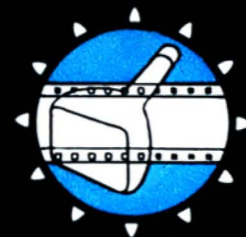


# SMPTE



## JOURNAL

- Early History of Amateur Motion-Picture Film  
• *Glenn E. Matthews and Raife G. Tarkington* 105
- Perceptibility of Flutter in Speech and Music • *Frank A. Comerci* 117
- A Light Meter for Printer Control  
• *A. J. Sant, M. C. Goddard and O. E. Miller* 123
- High-Speed Photography Notes—Errata and Lacunae 125
- Separation Process for Additive Color Motion-Picture  
Photography on Black-and-White Film • *Lawrence F. Brunswick* 126
- Combat Television • *Edward L. Scheiber and Hugh C. Oppenheimer* 129
- Equipment for Evaluating Lenses of Television Systems • *Edgar Hutto, Jr.* 133
- Electronic Comparator for the Automatic Inspection  
of Magnetic Sound Prints • *Jerome W. Stafford* 137
- Proposed American Standard, Magnetic Coating of 8mm Motion-Picture Film 140
- Letter to the Editor 140
- Contents continued on inside back cover*

**77**th Convention • April 18-22 • Chicago  
**ADVANCE PROGRAM IN THIS ISSUE**

MARCH 1955

volume 64 • number 3

News Columns

77th Convention, Local Arrangements at Chicago, April 18-22..... 142  
 Tentative Schedule of Committee Meetings During Convention..... 142  
 Advance Program, 77th Convention..... 142  
 Section Reports..... 156

BOOK REVIEW..... 158  
*Theatre Catalog, 12th Annual Edition, 1954-1955*, reviewed by Rowland H. Müller.  
 Current Literature..... 158  
 New Products..... 162  
 Employment Service..... 166

Advertisers

Animation Equipment Corp..... 163  
 Bell & Howell Co..... 167  
 Berndt-Bach, Inc..... 155  
 Byron, Inc..... 168  
 Camera Equipment Co..... 154  
 Camera Mart, Inc..... 152  
 Cinema Engineering Co..... 162  
 Oscar Fisher Co..... 150  
 Florman & Babb..... 158  
 General Film Laboratories, Inc..... 153  
 Gordon Enterprises..... 157  
 Hollywood Film Co..... 151  
 Philip A. Hunt Co..... 146  
 Kling Photo Corp..... 147

LaVezzi Machine Works..... 148  
 Motion Picture Printing Equipment Co..... 145  
 Peerless Film Processing Corp..... 156  
 Photo Research Corp..... 159  
 Photo-Sonics, Inc..... 143  
 Photovolt Corp..... 160  
 Precision Film Laboratories, Inc..... 149  
 Prestoseal Manufacturing Corp..... 166  
 Professional Services..... 164  
 Reeves Soundcraft Corp..... 161  
 SMPTE..... 165  
 TV Digest..... 144  
 Vought Co..... 164  
 Westrex Corp..... 141

Meeting Calendar

Institute of Radio Engineers, National Convention, Mar. 21-24, Kingsbridge Armory, Bronx, N.Y.  
 American Chemical Society, Mar. 29-Apr. 7, Cincinnati, Ohio.  
 American Film Assembly and Golden Reel Film Festival, Apr. 4-8, Waldorf-Astoria, New York.  
 Optical Society of America, Apr. 7-9, Hotel Statler, New York.  
 Institute of Radio Engineers, Symposium on Modern Network Synthesis, Apr. 12-15, Engineering Societies Bldg., New York.  
 International Symposium on Modern Network Synthesis, II, Apr. 13-15, Polytechnic Institute of Brooklyn, N. Y.  
**77th Semiannual Convention of the SMPTE, Apr. 18-22, Drake Hotel, Chicago.**  
 American Society of Mechanical Engineers, Spring Meeting, Apr. 18-21, Lord Baltimore Hotel, Baltimore, Md.  
 American Rocket Society, Spring Meeting, Apr. 20-22, Hotels Emerson and Lord Baltimore, Baltimore, Md.  
 National Academy of Sciences, Apr. 25-27, Washington, D.C.  
 American Physical Society, Apr. 28-30, Washington, D.C.  
**SMPTE Central Section, May 16, June 13.**  
 Society of Photographic Engineers, May 18-21, U.S. Thayer Hotel, West Point, N.Y.  
 National Society of Professional Engineers, June 2-4, Hotel Bellevue-Stratford, Philadelphia, Pa.  
 International Commission on Illumination, June 13-22, Zürich, Switzerland.  
 American Society of Mechanical Engineers, Semiannual Meeting, June 19-23, Hotel Statler, Boston, Mass.  
 American Rocket Society, Semiannual Meeting, June 19-23, Boston, Mass.  
 International Aeronautical Conference, joint mtg. of the British Aeronautical Society and the Institute of the Aeronautical Sciences, June 21-24, Los Angeles.

American Institute of Electrical Engineers, Summer General Meeting, June 27-July 1, New Ocean House, Swampscott, Mass.  
 Acoustical Society of America, June 30-July 2, Pennsylvania State College, State College, Pa.  
 Biological Photographic Association, Annual Meeting, Aug. 30-Sept. 2, Wisconsin Hotel, Milwaukee.  
 American Chemical Society, National Meeting, Sept. 11-16, Minneapolis, Minn.  
 Instrument Society of America, Sept. 12-16, Shrine Exposition Hall and Auditorium, Los Angeles.  
 National Electronics Conference, Oct. 3-5, Hotel Sherman, Chicago.  
**78th Semiannual Convention of the SMPTE, Oct. 3-7, Lake Placid Club, Essex County, N.Y.**  
 American Institute of Electrical Engineers, Fall General Meeting, Oct. 3-7, Morrison Hotel, Chicago.  
 Photographic Society of America, Oct. 5-8, Sheraton-Plaza Hotel, Boston, Mass.  
 Audio Engineering Society, Oct. 12-16, Hotel New Yorker, New York.  
 American Standards Association, 37th Annual Meeting and Sixth Annual Conference on Standards, Oct. 24-26, Washington, D. C.  
 American Rocket Society, Nov. 13-18, Chicago.  
 American Society of Mechanical Engineers, National Meeting, Nov. 13-18, Hotels Congress, Hilton and Blackstone, Chicago.  
 American Institute of Chemical Engineers, Nov. 27-30, Hotel Statler, Detroit.  
**79th Semiannual Convention of the SMPTE, Apr. 29-May 4, 1956, Hotel Statler, New York.**  
**80th Semiannual Convention of the SMPTE, Oct. 7-12, 1956, Ambassador Hotel, Los Angeles.**  
**81st Semiannual Convention of the SMPTE, Apr. 28-May 3, 1957, Shoreham Hotel, Washington, D.C.**  
**82d Semiannual Convention of the SMPTE, Oct. 6-11, 1957, Hotel Statler, New York.**

**SMPTE Officers and Committees:** The rosters of the Officers of the Society, its Sections, Subsections and Chapters, and of the Committee Chairmen and Members will be published in the April Journal.