

# JOURNAL OF THE



# SMPTE

- 801 The President's Report • *Norwood L. Simmons*
- 802 Engineering in the Space Age • *Edward P. Curtis*
- 804 Electronic Composites in Modern Television •  
*Ralph C. Kennedy and Frank J. Gaskins*
- 812 Interconnection of Studios for Video-Tape Recording • *R. W. Gast*
- 816 Gamma Radiation Insensitive Television Camera Lenses • *John D. Hayes*
- 819 Unified Analysis of Depths of Field and Focus • *Daniel Levine*
- 824 A Comparison of Learning Resulting From Motion-Picture Projector and  
From Closed-Circuit TV Presentations • *J. F. McGrane and Morton L. Baron*
- 828 The Standardized 16mm JAN Projector • *George W. Reutell, Jr.*
- 831 ISO Recommendations on Cinematography
- 835 Three Proposed American Standards:  
Density of Sound Record on Color Films, PH22.117  
Dimensions for 65mm Film, KS-1870, PH22.118  
Dimensions for 70mm Film, Perforated 65mm, KS-1870, PH22.119

**87th SMPTE Convention • May 1-7 • Ambassador Hotel, Los Angeles**

**volume 68 • number 12**

**DECEMBER 1959**

**This Issue in Two Parts: Part I, December 1959 Journal; Part II, Index to Vol. 68**

## News Columns

Fifth International Congress on High-Speed Photography. . . . .	839
87th Papers Program. . . . .	839
The 86th Convention, New York. . . . .	839
Society Awards . . . . .	842
Rosters of Student Chapters . . . . .	850
Education, Industry News. . . . .	852
Section Reports . . . . .	854

BOOKS REVIEWED. . . . .	856
<i>Junction Transistor Electronics</i> , by Richard B. Hurley, reviewed by Harvey W. Mertz; <i>Television Advertising</i> , by Clark M. Agnew and Neil O'Brien, reviewed by Don G. Malkames; <i>A Grammar of the Film</i> , by Raymond Spottiswoode; <i>Science Study Series; The First Year of Title VII (article); Careers.</i>	
New Members . . . . .	860
Employment Service . . . . .	863

## Advertisers

Ana-Tec, Inc. . . . .	859
Arriflex Corp. of America . . . . .	851
Baldwin Instrument Co. . . . .	860
Berndt-Bach, Inc. . . . .	845
Bogen-Presto . . . . .	847
Camera Equipment Co. . . . .	852
Camera Mart, Inc. . . . .	854
Cinema Engineering Co. . . . .	861
Electronic Applications, Inc. . . . .	848
Filmline Corp. . . . .	844
Florman & Babb, Inc. . . . .	843

Gevaert Photo-Producten N.V. . . . .	855
Hollywood Film Co. . . . .	864
Houston Fearless Corp. . . . .	857
Magnasync Mfg. Co., Ltd. . . . .	841
Motion Picture Laboratories, Inc. . . . .	862
Movielab Color Corp. . . . .	849
Peerless Film Processing Corp. . . . .	846
Professional Services . . . . .	858
Rank Precision Industries. . . . .	842, 850
SMPTE. . . . .	856
Tri Art Color Corp. . . . .	853

## Meeting Calendar

American Association for Advancement of Science, Annual Meeting, Dec. 26-31, Chicago.

Sixth National Symposium on Reliability and Quality Control, Jan. 11-13, 1960, Statler Hilton Hotel, Washington, D.C.

Institute of the Aeronautical Sciences, Annual Meeting, Jan. 25-28, 1960, Hotel Astor, New York.

AIEE, Winter General Meeting, Jan. 31-Feb. 5, New York.

IRE and AIEE, Transistor and Solid State Circuits Conference, Feb. 11-12, 1960, Univ. of Penn., Philadelphia.

National Society of Professional Engineers, Winter Meeting, Feb. 18-20, 1960, Broadview Hotel, Wichita, Kan.

Deutsche Kinotechnische Gesellschaft, Annual Meeting and Equipment Exhibit, Mar. 1-5, 1960, Technical University, Berlin.

National Electrical Industries Show, Mar. 6-9, 1960, Coliseum, New York.

ASCE, New Orleans Convention, Mar. 7-11, 1960, Jung Hotel, New Orleans, La.

IRE National Convention, Mar. 21-24, 1960, Coliseum and Waldorf-Astoria Hotel, New York.

American Chemical Society, National Meeting, Apr. 5-14, 1960, Cleveland, Ohio.

Optical Society of America, Spring Meeting, Apr. 7-9, 1960, Hotel Statler, Washington, D.C.

Inter-Society Color Council, 29th Annual Meeting, Apr. 11, 12, 1960, Philadelphia Museum College of Art, Philadelphia.

IRE, South West Regional Conference and Electronics Show, Apr. 20-22, 1960, Shamrock-Hilton Hotel, Houston, Texas.

87th Semiannual Convention of the SMPTE, including Equipment Exhibit, May 1-7, 1960, Ambassador Hotel, Los Angeles.

IRE National Aeronautical Electronics Conference, May 2-4, 1960, Dayton, Ohio.

Society of Military Engineers, National Convention, May 16, 17, 1960, Washington, D.C.

ASME, Design Engineering Div. Conference, May 23, 1960, New York.

Design Engineering Show, May 23-26, 1960, Coliseum, New York.

Institute of the Aeronautical Sciences, National Summer Meeting, Mid-June, 1960, Los Angeles.

Acoustical Society of America, Spring Meeting, June 9-11, 1960, Providence, R.I.

National Society of Professional Engineers, Annual Meeting, June 9-11, 1960, Statler Hotel, Boston, Mass.

AIEE, Summer General Meeting, June 19-24, 1960, Atlantic City, N.J.

American Society for Engineering Education, Annual Meeting, June 20-24, 1960, Purdue Univ., West Lafayette, Ind.

American Society for Testing Materials, Annual Meeting and Apparatus Exhibit, June 26-July 1, 1960, Chalfonte-Haddon Hall, Atlantic City, N. J.

AIEE, Pacific General Meeting, Aug. 8-12, 1960, San Diego, Calif.

Fifth International High-Speed Congress and Equipment Exhibit, sponsored by the SMPTE, Oct. 16-22, 1960, Sheraton-Park Hotel, Washington, D.C.

89th Semiannual Convention of the SMPTE, Spring 1961, King Edward Sheraton, Toronto.

90th Semiannual Convention of the SMPTE, Oct. 2-6, 1961, Lake Placid, N. Y.

91st Semiannual Convention of the SMPTE, Apr. 30-May 4, 1962, Ambassador Hotel, Los Angeles.

92d Semiannual Convention of the SMPTE, Oct. 22-26, 1962, Drake Hotel, Chicago.



**SMPTE Officers and Committees:** The rosters of the Officers of the Society, its Sections, Subsections and Chapters, and of the Committee Chairmen and Members were published in the April 1959 Journal.