

# JOURNAL OF THE



# SMPTE

- 667 A Color Videotape Recorder • *C. E. Anderson and Joseph Roizen*
- 672 Improving Television Studio Intercommunication Systems  
• *A. Pierce Evans*
- 675 CBS Self-Normalling Video Jack • *Charles J. Neenan*
- 678 The Silicon Controlled Rectifier Dimmer  
• *H. R. More and A. W. Malang*
- 683 Atlantic Missile Range Cine Processing Laboratory • *W. F. Bischof*
- 686 Motion-Picture Film Processing System for Guided Missile Research  
• *J. P. Delangre*
- 690 Student-Built 16mm Continuous Positive Film Processor  
• *John C. Stormont*
- 693 A D-C/Sine-Wave Portable Power Supply Using Solid-State  
Techniques • *D. P. Gregg*
- 697 Horizon Sag Compensation • *J. D. Hayes*
- 699 A Military 16mm Assaying Projector • *A. E. Nupnau and E. L. Smith*
- 703 SMPTE Recommended Practice—Patch Splices in Video Tape
- 704 Education for Tomorrow • *C. W. Stone*
- 706 Senate High-Speed Congress Resolution

## News Columns

Fifth International Congress on High-Speed Photography—Senate Resolution . . . . .	706
Education, Industry News . . . . .	712
Translated Abstracts From Foreign Journals . . . . .	714
BOOKS REVIEWED . . . . .	720
<i>Screen Writing and Production Techniques</i> , by Charles W. Curran; <i>The Technique of Film Animation</i> , by John Halas and Roger Manvell, reviewed by Ernest M. Pittaro; <i>Basic Electronics</i> , by Bernard Grob, reviewed	

by G. W. Read; <i>Exposure Manual</i> , by J. F. Dunn, reviewed by Pierre Mertz; <i>Radioisotopes in the Service of Man</i> , by Fernand Lot; <i>How Photography Works</i> , by H. J. Walls; <i>The Optical Industry Directory 1959; Perspective</i> , Focal Press, London (Erratum); <i>Camera News of West Germany</i> .	
Current Literature . . . . .	728
New Products . . . . .	729
Employment Service . . . . .	733

## Advertisers

Arriflex Corp. of America . . . . .	721
Bell & Howell Co. . . . .	707-710
Berndt-Bach, Inc. . . . .	723
CBS Inc. . . . .	733
Camera Equipment Co. . . . .	725
Camera Mart, Inc. . . . .	726
Cinema Engineering Co. . . . .	731
Cine Speed, Inc. . . . .	730
Daven Co. . . . .	729
Electronic Applications, Inc. . . . .	718
Filmline Corp. . . . .	711
Gevaert Photo-Producten N.V. . . . .	734
Houston Fearless Corp. . . . .	717

Magnasync Mfg. Co., Ltd. . . . .	715
Motion Picture Laboratories, Inc. . . . .	731
Movielab Color Corp. . . . .	719
Peerless Film Processing Corp. . . . .	728
Professional Services . . . . .	724
Rank Precision Industries Ltd. . . . .	716
S.O.S. Cinema Supply Corp. . . . .	732
Superior Mfg. & Instrument Corp. . . . .	722
Tri Art Color Corp. . . . .	727
Unicorn Engineering Corp. . . . .	713
Wollensak Optical Co. . . . .	720

## Meeting Calendar

ASCE, Annual Convention Oct. 19-23, Hotel Statler, Washington, D.C.  
 American Standards Association, National Conference on Standards, Oct. 20-22, Sheraton-Cadillac Hotel, Detroit, Mich.  
 Acoustical Society of America, Fall Meeting, Oct. 22-24, Wade Park Manor Hotel, Cleveland, Ohio.  
 Society of Photographic Scientists and Engineers, Oct. 26-30, Edgewater Beach Hotel, Chicago.  
 Association of Consulting Chemists and Chemical Engineers, Annual Symposium, Oct. 27, Sheraton-McAlpin Hotel, New York.  
 Aircraft Electrical Society, Annual Display of Aircraft and Missile Electrical Equipment, Oct. 28-30, Pan Pacific Auditorium, Los Angeles.  
 IRE, Electron Devices Meeting, Oct. 29-31, Shoreham Hotel, Washington, D.C.  
 IRE and ISA, National Automatic Control Conference, Nov. 4-6, New Sheraton Hotel, Dallas, Texas.  
 Louisiana Polytechnic Institute, Instrumentation Conference, Nov. 5, 6, Ruston, La.  
 IRE, Instrumentation Conference, Nov. 9-11, Atlanta, Ga.  
 Armour Research Foundation, National Industrial Research Conference, Nov. 12, 13, Sherman Hotel, Chicago.  
 American Rocket Society, Annual Meeting, Nov. 16-20, Sheraton-Park Hotel, Washington, D.C.  
 International Automation Exposition and Congress, Nov. 16-20, New York Trade Show Bldg., New York.  
 ASME, Annual Meeting, Nov. 29-Dec. 4, Chalfonte-Haddon Hall, Atlantic City, N.J.  
 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.  
 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.  
 IRE, National Aeronautical Electronics Conference, May 2-4, 1960, Dayton, Ohio.  
 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.  
 Fifth International High-Speed Congress and Equipment Exhibit, sponsored by the SMPTE, Oct. 17-21, 1960, Sheraton-Park Hotel, Washington, D.C.  
 89th Semiannual Convention of the SMPTE, May 1-5, 1961, Royal York, 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.