

# JOURNAL OF THE



# SMPTE

- 705 Fiber Optics—A New Tool in Electronics • *L. J. Krolak, W. P. Siegmund  
and R. G. Neuhauser*
- 711 High-Speed Photography Applied to High-Speed Aerodynamic Research  
• *R. J. North*
- 720 A New System for Post-Synchronous Recording • *Dennis Gunst*
- 722 New Sound-Retarding Doors for Motion-Picture Soundstages  
• *D. J. Bloomberg and Michael Rettinger*
- 726 Oskar Messter and His Work • *Albert Narath*
- 735 Effective Spot Size in Beam Scanning Tubes • *Aurelius Sandor*
- 738 Dynamic Spot Formation in Color Tubes • *Aurelius Sandor*
- 742 A High-Speed Black-and-White Negative Film • *F. W. Spangler and  
H. R. Beilfuss*
- 744 An Electrostatic Color Map Printer • *Donald J. Parker and F. C. Myers*
- 748 Proposed American Standard: 16mm Television Intermittent Projector,  
PH22.125

89th SMPTE Convention • May 7-12 • King Edward Sheraton, Toronto

volume 69 • number 10

**OCTOBER 1960**

**News Columns**

89th Convention—Toronto . . . . .	752	Section Reports . . . . .	772
Education, Industry News . . . . .	754	Abstracts . . . . .	776
BOOKS REVIEWED . . . . .	764	New Products . . . . .	779
<i>Infrared Radiation</i> , by Henry L. Hackforth, reviewed by T. R. Whitney; <i>Magic Shadows</i> , by Martin Quigley, Jr.		Employment Service . . . . .	785
Biographical Note: Albert Narath . . . . .	771	Journals Available/Wanted . . . . .	785

**Advertisers**

Allen Products, Inc. . . . .	777	Intercinema Corp. . . . .	756
Arriflex Corp. of America . . . . .	772, 773	Lab-TV . . . . .	768
Bach-Auricon, Inc. . . . .	767	Magnasync Corp. . . . .	763
Baldwin Instrument Co. . . . .	779	Motion Picture Laboratories Inc. . . . .	779
Beckman & Whitley, Inc. . . . .	781	Movielab Film Laboratories, Inc. . . . .	753
Bell Aerosystems Co. . . . .	778	Pan-American Films. . . . .	777
Burke & James, Inc. . . . .	774	Peerless Film Processing Corp. . . . .	764
Camera Equipment Co., Inc. . . . .	769, 770	Peterson, Inc. . . . .	759
Camera Mart, Inc. . . . .	762	Photo Research Corp. . . . .	783
Cameraflex Div., Federal Mfg. & Eng. Corp. . . . .	785	Professional Services . . . . .	776
Computer Measurements, Inc. . . . .	775	Rank Precision Industries Ltd. . . . .	760
Conrac, Inc. . . . .	771	S.O.S Cinema Supply Corp. . . . .	782
Eastman Kodak Co. . . . .	755	SMPTE. . . . .	758
Filmline Corp. . . . .	784	Tri Art Color Corp. . . . .	761
Florman & Babb, Inc. . . . .	765	Western Cine Service, Inc. . . . .	780
Gevaert Photo-Producten N.V. . . . .	757	Westrex Corp. . . . .	766
Hollywood Film Co. . . . .	786		

**Meeting Calendar**

AIEE, API, ONR, IRE, Metallurgical Society, Sixth Annual Conference on Magnetism and Magnetic Materials, Nov. 14-17, New Yorker Hotel, New York.	IRE International Convention, Mar. 20-23, 1961, New York Coliseum, New York.
ASME, Annual Meeting, Nov. 27-Dec. 2, Statler Hilton Hotel, New York.	ISA, 7th National Symposium on Instrument Methods of Analysis, Apr. 17-19, 1961, Shamrock-Hilton Hotel, Houston, Texas.
Royal Photographic Society, Scientific and Technical Group Conference, Dec. 7-9, London.	89th Semiannual Convention of the SMPTE, May 7-12, 1961, King Edward Sheraton, Toronto.
American Association for the Advancement of Science, Annual Meeting, Dec. 26-31, New York.	90th Semiannual Convention of the SMPTE, Oct. 2-6, 1961, Lake Placid, N.Y.
Seventh National Symposium on Reliability and Quality Control, ASQC, AIEE, IRE, EIA, Jan. 9-11, 1961, Bellevue-Stratford Hotel, Philadelphia.	91st Semiannual Convention of the SMPTE, Apr. 30-May 4, 1962, Ambassador Hotel, Los Angeles.
ISA, Winter Instrument-Automation Conference and Exhibit, Jan. 16-19, 1961, Sheraton-Jefferson Hotel & Kiel Auditorium, St. Louis, Mo.	92nd Semiannual Convention of the SMPTE, Oct. 22-26, 1962, Drake Hotel, Chicago.
American Astronautical Society, Jan. 16-18, 1961, Sheraton Hotel, Dallas, Tex.	93rd Semiannual Convention of the SMPTE, Apr. 22-26, 1963, Traymore Hotel, Atlantic City, N.J.



**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 1960 Journal Part II.