

JOURNAL OF THE



SMPTE

ENGINEERING • SCIENCE • TECHNOLOGY
FOR MOTION PICTURES • TELEVISION • INSTRUMENTATION • HIGH-SPEED PHOTOGRAPHY

- 989 Studies on a Copper-Toned Planographic Dye Transfer Matrix — Part I • *Philip N. James*
- 995 The Frame Edge as an Internal Reference Line in Rotating-Mirror Framing Cameras
• *D. C. Wunsch and A. H. Guenther*
- 999 A Versatile Technique for Synchronous Remote-Controlled Photography
• *H. E. Van Luvanee*
- 1002 Modification of the Zeiss Ultraphot II Microscope for Time-Lapse Photography
• *Jacob Shapira*
- 1006 Computer Animation: A New Scientific and Educational Tool • *E. E. Zajac*
- 1009 Two New Waveform Generators for Television Testing • *A. J. Butt and G. D. Iles*
- 1013 Résumés — Resumenes — Zusammenfassungen
- 1015 Creating an Industry • *Robert C. Bitting, Jr.*
- 1024 A 5000:1 Scale Model of the Magnetic Recording Process
• *D. L. A. Tjaden and J. Leyten (Abridgment by Pierre Mertz)*
- 1028 Letters to the Editor: The Lunar Albedo • *Arthur C. Hardy*
Demand for Television Standards • *Michael W. Barlow*
- 1029 Errata
- 1029 Approved American Standard: PH22.106-1965, 35mm Motion-Picture Anamorphic Projected Image Area, 2.35:1 Aspect Ratio

99th SMPTE Technical Conference • May 1-6 • Sheraton Park Hotel, Washington, D.C.

News Columns

99th Technical Conference and Equipment Exhibit, Washington, D.C.	1031	Books, Booklets, Brochures	1048
New SMPTE Sustaining Member	1032	New Products	1056
SMPTE Elections	1032	Employment Service	1066
Education, Industry News	1032	Journals Available/Wanted	1067

Advertisers

Arriflex Corp. of America	1035, 1059	Ichizuka Optical Co., Ltd..	1064
Bach Auricon, Inc..	1037	Lab-TV	1062
Behrend's, Inc.	1063	La Vezzi Machine Works	1067
Camera Mart, Inc.	1040	Lipsner-Smith Corp.	1046
Camera Service Center, Inc.	1045	Macbeth Instrument Corp.	1043
Carbons, Inc..	1066	Magna-Tech Electronic Co., Inc.	1065
Classified	1067	Mitchell Camera Corp..	1048
Consolidated Film Industries.	1041	Moviola Manufacturing Co.	1056
Eastman Kodak Company.	1051	Pathe Products, Inc.	1068
Filmline Corp.	1050	Plastic Reel Corp. of America	1057
General Aniline & Film Corp.	1038, 1039	Professional Services	1060
Gevaert-Agfa N. V..	1055	RCA Broadcast & Communications Products Div..	1061
Gryphon Corp..	1042	Rank Studio Equipment.	1033
Engelhard Hanovia, Inc.	1044	Reevesound Co.	1049
Hi-Speed Equipment Corp.	1052	SMPTE	1054
Hollywood Film Co.	1053	S.O.S. Photo-Cine-Optics, Inc.	1058
Philip A. Hunt Chemical Corp.	1047		

Meeting Calendar

AICE, Annual Meeting, Dec. 5–9, Bellevue-Stratford Hotel, Philadelphia, Pa.	100th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 2–7, 1966, Ambassador Hotel, Los Angeles
IEEE International Convention, March 21–24, 1966, Coliseum & New York Hilton Hotel, New York	ISA, 21st Annual ISA Conference & Exhibit, Oct. 24–27, 1966, Statler Hilton Hotel, Coliseum, New York
ISA, 4th International Aerospace Instrumentation Symposium, Mar. 21–24, 1966, Cranfield, England	101st Semiannual Technical Conference of the SMPTE and Equipment Exhibit, April 16–21, 1967, New York Hilton Hotel, New York
ACS, National Meeting, Mar. 22–31, 1966, Pittsburgh, Pa.	102nd Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 15–20, 1967, Edgewater Beach Hotel, Chicago
National Association of Broadcasters, March 26–30, 1966, Conrad Hilton Hotel, Chicago	103rd Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 21–26, 1968, Ambassador Hotel, Los Angeles
99th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, May 1–6, 1966, Sheraton Park Hotel, Washington, D.C.	104th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 20–25, 1968, Mayflower Hotel, Washington, D.C.
ISA, 12th National Aerospace Instrumentation Symposium, May 2–4, 1966, Marriott Motor Hotel, Philadelphia, Pa.	105th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 20–25, 1969, Fontainebleau Hotel, Miami Beach, Fla.
SPSE, Annual Meeting, May 9–13, 1966, Hilton Inn, San Francisco	106th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 19–24, 1969, Ambassador Hotel, Los Angeles
ISA, AIAA, IEEE, 15th National Telemetering Conference (NTC), May 10–12, 1966, War Memorial Auditorium, Boston, Mass.	107th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 26–May 1, 1970, Drake Hotel, Chicago
PSA, Annual Meeting, May 27–29, 1966, Ridpath Hotel and Motor Inn, Spokane, Wash.	108th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 4–9, 1970, New York Hilton Hotel, New York
PPA, Annual Meeting, Aug. 7–12, 1966, Conrad Hilton Hotel, Chicago	
SPIE, Annual Meeting, Aug. 22–26, 1966, Chase Hotel, St. Louis, Mo.	

SMPTE Officers and Committees: Rosters of Society Officers, Sections and Chapter Officers, and Committee Chairmen and Members were published in the April 1965 Journal, Part II.