

# JOURNAL OF THE

# SMPTE



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

- 949 Interactive Videodisc Systems for Education • *Junius L. Bennion and Edward W. Schneider*
- 954 Track Straightness in Helical Scan Video Tape Recorders — A Reprint • *Yuji Wada*
- 958 The All-Electronic Newsgathering Station • *Thomas A. Battista and Joseph A. Flaherty*
- 963 An Audio Control Facility for a TV "Break" Control Room — A Reprint • *Donald C. McCroskey*
- 969 A Versatile High-Speed "Off-Line" Sweetening System for Television Audio Post Production —  
A Reprint • *Ron Estes*
- 972 Management of Process Chemical Facilities • *Robert F. Allaire*
- 977 New SMPTE Sustaining Members
- 978 Standards and Recommended Practices  
*Draft American National Standards: PH22.144, Optical Specifications and Dimensions of Test Slides and Transparencies for Television, and PH22.160, Dimensions of Projection Reels for 8-mm Type S (Super 8) Motion-Picture Film; Proposed SMPTE Recommended Practices: RP 65, Step Optical Reduction Printing of 35-mm Images to 16-mm Prints and Duplicate Negatives, and RP 66, Step Optical Enlargement Printing of 35-mm Images from 16-mm Images; Approved International Standards: ISO 3067-1975, Cinematography — Motion-Picture Camera Cartridge, 8 mm Type S, Model 1 — Notches for Film Speed, Film Identification and Colour-Balancing Filter — Dimensions and Positions, and ISO 2939-1975, Cinematography — Picture Image Area and Photographic Sound Record on 35 mm Motion-Picture Release Prints — Positions and Dimensions*
- 989-1012 Contents on inside back cover

SMPTE Winter Television Conference • January 23-24 • Detroit-Southfield

volume 84 • number 12

**DECEMBER 1975**

This issue is in Two Parts: Part I, December 1975 Journal; Part II, Index to Vol. 84

**News Columns**

Education, Industry News . . . . .	989	Changes of Address Needed for Directory for Members . . . . .	1000
Booklets and Brochures . . . . .	993		
Announcement of 60th Anniversary Issue of the <i>Journal</i> . . . . .	994	Abstracts of Papers from Other Journals . . . . .	1002
Section Meetings . . . . .	995	Erratum . . . . .	1010
Obituaries: Eric M. Berndt and Carroll H. Dunning . . . . .	1000	Employment Service . . . . .	1010

**Advertisers**

Agfa-Gevaert . . . . .	1005	Frezzolini Electronics, Inc. . . . .	996
Arriflex Co. of America . . . . .	1003	Image Devices, Inc. . . . .	1010
Bach-Auricon, Inc. . . . .	997	LaVeZZi Machine Works, Inc. . . . .	1002
Bebell, Inc. . . . .	1008	Movielab . . . . .	1007
BM/E . . . . .	1009	Nagra Magnetic Recorders, Inc. . . . .	1006
Camera Mart, Inc. . . . .	999	Professional Services . . . . .	1011
Chemical Service Labs . . . . .	1008	SMPTE . . . . .	994, 1012
Cinema Products Corp. . . . .	1001	Western Cine . . . . .	1004
Da-Lite Screen Co., Inc. . . . .	1010		

**Meeting Calendar**

37th Annual National Audio-Visual Convention & Exhibit, Jan. 8–13, 1976, Rivergate Convention Center, New Orleans	IEEE Convention, May 11–14, 1976, Boston
<b>SMPTE Winter TV Conference, Jan. 23, 24, 1976, Sheraton-Southfield Hotel, Southfield-Detroit, Mich.</b>	Ninth Plenary Meeting, ISO/TC 36, May 17–24, 1976, Paris, France
Inter-Society Color Council Special Technical Conference, Jan. 25–28, 1976, Williamsburg, Va.	12th International Congress on High-Speed Photography, Aug. 1–7, 1976, Inn on the Park, Toronto, Canada
National Association of Broadcasters Convention, March 28–31, 1976, Chicago	<b>118th SMPTE Technical Conference and Equipment Exhibit, Oct. 24–29, 1976, Americana Hotel, New York City</b>

---

**SMPTE Officers and Committees:** Rosters of Society Officers, Section and Chapter Officers, and Committee Chairmen and Members are published in SMPTE Committees, Reports and Information for Members, in the April 1975 issue.