

JOURNAL OF THE

SMPTE



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

- 527 Generation of Timing Tapes via Minicomputer • *Stephen A. Kallis, Jr.*
- 529 An Automated Network Control Center • *J. Bowie Dickson*
- 532 The Design of an Automatic Machine Assignment System • *M. W. S. Barlow*
- 538 A Primer on Digital Television • *David A. Howell*
- 542 Principles of Digital Television Simplified • *E. S. Busby, Jr.*
- 545 Digital Television Image Enhancement • *John P. Rossi*
- 552 Digital Video Recording for Television Broadcasting • *Frank Davidoff*
- 555 Japan — Television
Addendum to the Progress Committee Report
- 560 Letters to the Editor
- 561 Biographical Note: August Arnold
- 561 Standards and Recommended Practices
Approved American National Standards: C98.12-1975, Time and Control Code for Video and Audio Tape for 525 Line/80 Field Television Systems, and C98.13-1975, Dimensions of Cartridge Spools for 2-Inch Quadruplex Video Magnetic Tape; Reaffirmed American National Standards: C98.2-1963 (R 1969), Specifications of Monochrome Video Magnetic Tape Leader, and C98.9-1967, Specifications for Color Video Magnetic Tape Leader; Approved International Standards: ISO 2967-1975, Cinematography — Magnetic Stripes for Sound Records on 35-mm Motion-Picture Film Perforated 8-mm Type S-5R (1-3-5-7-0) Positions and Width Dimensions, and ISO 3024-1975, Cinematography — Motion-Picture Camera Cartridge, 8-mm Type S, Model 1 — Camera Run Length, Perforation Cut-Out and End-of-Run Notch in Film — Specifications
- 567 117th Conference Announcement — Los Angeles
- 568-592 Contents on inside back cover

117th SMPTE Technical Conference and Equipment Exhibit • September 28–October 3 • Los Angeles

News Columns

117th SMPTE Conference — Los Angeles	567
Obituaries: Samuel R. Todd, Donald McMaster, John G. Stott, Wilhelm Steenbeck, Leon Shamroy, and Fred J. Pfeiff	568
Education, Industry News	569

Victor H. Allen — An Appreciation	578
New Products	582
Employment Service	590
Professional Services	591

Advertisers

Arriflex Co. of America	588, 589
Bach Auricon, Inc.	579, 583
Bebell, Inc.	574
Bergen Expo Systems, Inc.	584
Camera Mart, Inc.	585
Cinema Products Corp.	571
Classified Ads	590
Eastman Kodak Co.	572, 573
Frazzolini Electronics, Inc.	587, 590
Image Devices, Inc.	586

La Vezzi Machine Works	582
Magnasync/Moviola Corp.	570
Magna-Tech Electronic Co., Inc.	592
Nagra Magnetic Recorders, Inc.	580
Professional Services	591
RCA Laboratories	584
SMPTE	590
Sony Corp. of America	575, 576, 577
Thomson-CSF Laboratories, Inc.	581
Western Cine	578

Meeting Calendar

117th SMPTE Technical Conference and Equipment Exhibit Sept. 28–Oct. 3, 1975, Century Plaza Hotel, Los Angeles
Optical Society of America Annual Meeting, Oct. 21–24, Sheraton Boston Hotel, Boston, Mass.
SPSE Symposium on Unconventional Photographic Systems IV, Nov. 18–21, 1975, Marriott Twin Bridges Hotel, Washington, D.C.
National Association of Broadcasters Convention, March 28–31, 1976, Chicago

Ninth Plenary Meeting, ISO/TC 36, May 17–24, 1976, Paris, France
12th International Congress on High-Speed Photography, Aug. 1–7, 1976, Inn on the Park, Toronto, Canada
118th SMPTE Technical Conference and Equipment Exhibit, Oct. 24–29, 1976, Americana Hotel, New York City

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.