

JOURNAL OF THE

SMPTE



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

403 **Progress Committee Report for 1969** • G. CARLETON HUNT

MOTION PICTURES: Set Construction and Special Effects • Studio Lighting Equipment • Cameras and Projectors • Printing and Processing Equipment • Sound Reproduction • PHOTO-SCIENCE: Film • Printing Techniques • Processing Chemistry • Optical Developments • PHOTO-INSTRUMENTATION: Cameras • Special Applications • Publications • EDUCATION: Equipment and Materials • Publications • TELEVISION: Cameras • Tape Duplication • Recorders • Displays, Screens and Quality • Television Relay Systems • NATIONAL AREAS: European Television Community • Australia • Canada, Television • Federal Republic of Germany, Television • India • Iran • Israel • Japan, Motion Pictures • Japan, Television • Lebanon • South Africa • Sweden • United Arab Republic • United Kingdom, Television • Union of Soviet Socialist Republics • Venezuela

450 **An Automatic Video-Tape Splicer** • Hisao Kimura, Minoru Onghi, Katsutoshi Nishibayashi and Katsumi Shinoda

452 **A Pan-Scan System for Printing Motion Pictures for Television From Anamorphic Negatives**
• L. P. Reitz, Jr., H. A. Mayer and J. W. Schmit

454 **Assessment of Production Economics – A Technical Note** • Mike Metcalfe and Geoff Pryke

455 **Standards and Recommended Practices:**

American National Standard PH22.43-1970, Specifications for 16mm 3kHz Flutter Test Film Photographic Type; Draft American National Standard PH22.182, Dimensions for Photographic Sound Record on Super 8 Motion-Picture Prints; ISO Recommendation R 892, Dimensions of Projection Reels for 8mm Motion-Picture Film (Other Than Type S); ISO Recommendation R 1019, Cinematography Dimensions of Daylight Loading Spools for 16mm Motion-Picture Film; ISO Recommendation R 1020, Cinematography Dimensions of Daylight Loading Spools for Double-8mm Motion-Picture Film; ISO Recommendation R 1039, Dimensions of Cores for Motion-Picture and Magnetic Films

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Meeting Calendar

SPSE, 23rd Annual Conference, "Image 70", May 18–22, New York Hilton Hotel, New York, NY

Sixth Annual Theatre, Television and Film Lighting Symposium, sponsored by the Illuminating Engineering Society, May 24–26, 1970, Hollywood-Roosevelt Hotel, Hollywood, CA

AFCEA 24th Annual Convention and Exhibit, June 2–4, Sheraton-Park Hotel, Washington, D.C.

National Cable Television Assn. Annual Convention, June 7–10, Palmer House, Chicago

IEEE Spring Conference on Broadcast and TV Receivers, June 8–9, Marriott Motor Hotel, Chicago

SPSE Seminar on Computer Graphics, July 9–10, Marriott Motor Hotel, Boston

NAVA Annual Convention, July 18–21, Washington, D.C.

9th International Congress on High-Speed Photography, sponsored by the SMPTE, Aug. 2–7, 1970, Denver Hilton Hotel, Denver, Colo.

WESCON 70, August 25–28, Sports Arena and Hollywood Park, Los Angeles

International Broadcasting Convention, Sept. 7–11, Grosvenor House, London, England

SPIE 15th Annual Technical Symposium, Sept. 14–17, Anaheim, Calif.

SPSE Seminar on Low Light Level Photography, Sept. 16–18, Airport Marina, Los Angeles

Photokina, Oct. 3–11, Cologne, Germany

108th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 4–9, 1970, New York Hilton Hotel, New York

AIAA Annual Meeting & Technical Display, Oct. 19–23, Houston

SPSE Symposium on Color Photography Systems, Oct. 21–24, Marriott Twin Bridges Motor Hotel, Washington, D.C.

Optical Society of America Annual Meeting, Oct. 21–24, 1970, New York Coliseum and Hilton Hotel, New York

ISA 25th National Conference and Exhibit, Oct. 26–29, Civic Center, Philadelphia

SMPTE/SPSE Seminar on Long Length Film Processing, Nov., Airport Marina, Los Angeles

AICHE 63rd Annual Meeting, Nov. 29–Dec. 3, Sheraton Hotel, Chicago

National Electronics Conference, Dec. 6–9, Conrad Hilton Hotel, Chicago

SPSE Annual Conference on Photographic Science & Engineering, Apr. 17–25, 1971, Chicago

109th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 25–30, 1971, Century Plaza Hotel, Los Angeles

110th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 3–8, 1971, Queen Elizabeth Hotel, Montreal

SPSE Symposium on Unconventional Photographic Systems, Oct. 20–23, 1971, Marriott Twin Bridges Motor Hotel, Washington, D.C.

111th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 16–21, 1972, New York Hilton Hotel, New York

112th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Sept. 24–29, 1972, Century Plaza Hotel, Los Angeles

SMPTE Officers and Committees: Rosters of Society Officers, Section and Chapter Officers, and Committee Chairmen and Members, are published in Part II of the July 1969 issue.