

JOURNAL OF THE

SMPTE



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

- 979 High-Speed Photographic Investigation of Gun-Launched Projectiles
• *John O. Clayton and Isaac Shanfield*
- 983 Underwater Photography • *Lawrence E. Mertens*
- 988 Photometer for Color Printers • *Garland C. Misener*
- 990 A New Continuous Additive Color Printer for High-Speed Production
• *Hans Christoph Wohlrab*
- 994 A Simple Light-Change Monitoring System for Semiautomatic Printers • *Ted Davis*
- 996 An Investigation of Agitation in a Continuous Immersion Film Process • *Walter C. Snyder*
- 1002 Optical Systems for Plumbicon Color Broadcast Cameras
• *A. G. van Doorn, H. de Lang and G. Bouwhuis*
- 1007 A New System for Splicing Post-Synchronized Sound Recordings on Pilot-Frequency Controlled Tape • *O. Buehler and E. Gravenhorst/Translated by H. C. Wohlrab*
- 1009 Résumés — Resumenes — Zusammenfassungen
- 1011 Errata; Addendum to Progress Report
- 1013 Development of Wide-Screen Usage in the USSR • *Deane R. White*
- 1014 Proposed American Standards: PH22.149, Dimensions for 8mm Motion-Picture Film, Perforated Super 8, 1R-1667; PH22.150, Dimensions for 16mm Motion-Picture Film, Perforated Super 8, 2R-1667 (1-3); PH22.151, Dimensions for 16mm Motion-Picture Film, Perforated Super 8, 2R-1664 (1-3)
American Standard Reaffirmed: PH22.76-1960, Threaded Lens Mounts for 16mm and 8mm Motion-Picture Cameras
- 1019 Standards Activities of the Engineering Committees • *Alex E. Alden*

News Columns

Biographical Notes: Axel G. Jensen and Otto Wittel 1026

News and Reports 1028

Obituaries: Samuel G. Rose, Walter R. Hicks and Emanuel C. Manderfeld 1046

BOOKS REVIEWED 1050

Information Storage and Retrieval: A State-of-the-Art Report, by Lawrence Berul; *Discriminant*

Analysis for Content Classification by John H. Williams, Jr.; *Optimization and Standardization of Information Retrieval Language and Systems* by Earl G. Fossum and Gilbert Kaskey, reviewed by Pierre Mertz.

New Products 1052

Employment Service 1064

Journals Available/Wanted 1065

Advertisers

Albion Optical Co., Inc. 1044

Arriflex Corp. of America.1022, 1023, 1061

Bach Auricon, Inc. 1029

Bausch & Lomb, Inc. 1038

Beckman & Whitley, Inc. 1043

Behrend's Inc. 1026

Burke & James, Inc. 1063

Camera Mart, Inc. 1034

Camera Service Center, Inc. 1033

Carbons, Inc.. 1064

Cine-Craft, Inc. 1050

De Luxe/General Film Labs. 1027

Du Art Film Labs. 1031

Eastman Kodak Co. 1059

Electro-Voice, Inc. 1045

F & B/Ceco, Inc.1039, 1051

Fairchild Recording Equipment Corp. 1042

Filmline Corp. 1052

Gevaert-Agfa N. V.. . . . 1053

Gryphon Corp. 1040

Hollywood Film Co. 1055

Philip A. Hunt Chemical Corp. 1035

Ichizuka Optical Co., Ltd.. . . . 1062

Lab-TV 1065

La Vezzi Machine Works 1060

3M Co., Revere-Mincom Div. 1049

Magna-Tech Electronic Co., Inc.. . . . 1057

Mastereel Industries, Inc. 1047

Movielab, Inc. 1025

Plastic Reel Corp. of America 1041

Professional Services 1056

Radiant-Pathé 1066

SMPTE 1046, 1048, 1054

S.O.S. Photo-Cine-Optics, Inc. 1058

Thorn Electronics, Ltd.. . . . 1036, 1037

Meeting Calendar

ISA, 21st Annual ISA Conference & Exhibit, Oct. 24-27, Statler Hilton Hotel, Coliseum, New York

SPSE, Colloquium on the Photographic Interaction Between Radiation and Matter, Oct. 26-29, Marriott Twin Bridges Motor Hotel, Washington, D.C.

American Institute of Chemical Engineers, Annual Meeting, Dec. 4-8, Statler Hotel, Detroit.

IEEE Int'l Convention & Exhibition, March 20-24, 1967, Coliseum and New York Hilton Hotel, New York.

101st Semiannual Technical Conference of the SMPTE and Equipment Exhibit, April 16-21, 1967, New York Hilton Hotel, New York

Illuminating Engineering Society, Third Annual Theater, Television and Film Lighting Symposium, May 14-16, 1967, Hollywood Roosevelt Hotel, Hollywood, Calif.

SPSE, Annual Conference on Photographic Science and Engineering, May 15-19, 1967, Sherman House, Chicago

ISA, IEEE, AIAA, 16th National Telemetering Conference (NTC), with Exhibit, May 16-18, 1967, San Francisco Hilton Hotel, San Francisco

Congress of Canadian Engineers, May 29-June 2, 1967, Montreal, Canada

IEEE, International Communications Conference, June 12-14, 1967, Radisson Hotel, Minneapolis, Minn.

IEEE, WEMA, Western Electronic Show and Convention (WESCON), Aug. 22-25, 1967, Cow Palace, San Francisco

IES, National Technical Conference, Sept. 10-15, 1967, Queen Elizabeth Hotel, Montreal, Canada

ISA, 22nd Annual ISA Conference and Exhibit, Sept. 11-17, 1967, McCormick Place, Chicago

102nd Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 15-20, 1967, Edgewater Beach Hotel, Chicago

National Electronics Conference, Oct. 23-25, 1967, McCormick Place, Chicago

SPSE, Symposium on Unconventional Photographic Systems, Oct. 26-28, 1967, Marriott-Twin Bridges Motor Hotel, Washington, D.C.

103rd Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 21-26, 1968, Ambassador Hotel, Los Angeles

SPSE, Annual Conference on Photographic Science and Engineering, June 10-14, 1968, Sheraton Boston Hotel, Boston, Mass.

104th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 20-25, 1968, Mayflower Hotel, Washington, D.C.

105th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 20-25, 1969, Fontainebleau Hotel, Miami Beach, Fla.

106th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Oct. 19-24, 1969, Ambassador Hotel, Los Angeles

107th Semiannual Technical Conference of the SMPTE and Equipment Exhibit, Apr. 26-May 1, 1970, Drake Hotel, Chicago

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

.....

SMPTE Officers and Committees: Rosters of Society Officers, Section and Chapter Officers, and Committee Chairmen and Members, were published in the June 1966 *Journal*, Part II.