

JOURNAL OF THE



SMPTE

- 875 Rapid Processing of Motion-Picture Film by the Application of Viscous Coatings —
Part I: Viscous-Layer Processing of Motion-Picture Film
• *George E. Cummins, John R. Turner and Robert J. Wilson*
- 878 Part II: A Machine for Rapid Processing of Black-and-White 16mm Films
• *Paul A. Hermle and Harold D. Lowry*
- 882 Black-and-White Television Monitoring and Video Levels — Part I: Basics of Picture
Waveform Generation and Video Monitors; Part II: Black-and-White TV Monitoring and
Video Levels • *Harold Wright*
- 898 Shutter-Bar in Television Film Recording • *C. H. Evans*
- 904 A Microdensitometer for Photographic Research • *Frank P. Herrnfeld*
- 906 A Storage Memorized Light-Control System • *Jean De Backer*
- 909 Letter to the Editor: Infrared Transparency of Magnetic Tracks • *George Lewin*
- 910 Proposed Standards: PH22.132, 16mm 400-Cycle Signal Level Test Film, Magnetic Type,
Perforated IR-3000; PH22.133, Screen Luminance and Viewing Conditions for 35mm
Review Rooms
- American Standards: PH22.2-1961, 35mm Photographic Sound Motion-Picture Film, Usage
in Camera; PH22.126-1961, 16mm Multi-Azimuth Test Film, Magnetic Type
- 959 Résumés — Resúmenes — Zusammenfassungen

91st SMPTE Convention • April 29–May 4 • Ambassador Hotel, Los Angeles

volume 70 • number 11

NOVEMBER 1961

News Columns

91st Convention and Equipment Exhibit 914
 6th International Congress on High-Speed
 Photography 915
 Education, Industry News 916
 SMPTE Elections 920
 Obituaries: O. B. Hanson; Monroe Sweet 922
 Section Reports 927
 BOOKS REVIEWED 928
*Russian-English Dictionary of Science, Technology,
 and Art of Cinematography*, by Val Telberg,
 reviewed by George L. George; *English-
 Russian Dictionary of Photography and Cine-
 matography*, by A. A. Sakharov, reviewed by
 Alexis N. Vorontzoff.

Current Literature 930
 Books, Booklets, Brochures 932
 Abstracts 934
 New Members 946
 Trends in 70mm Projection Equipment, by Gio-
 vanni Bozzi 950
 SMPTE Test Films 952
 New Products 953
 Employment Service 957
 Journals Available/Wanted 958
 Résumés — Resumenes — Zusammenfassungen 959

Advertisers

Allen Products, Inc. 952
 Arriflex Corp. of America 949
 Bach Auricon, Inc. 929
 Bausch & Lomb 953
 Birns & Sawyer Cine Equipment, Inc. 955
 Burke & James, Inc. 934
 Camera Equipment Co. 943, 944
 Camera Mart, Inc. 920, 948
 Clairex Corp. 927
 Employment Ads 920, 942
 Film Effects of Hollywood 951
 Filmline Corp. 922
 Florman & Babb, Inc. 928, 946, 957
 General Film Laboratories, Inc. 921
 Gevaert Photo-Producten N.V. 939
 Hollywood Film Co. 941
 Lab-TV 950
 La Vezzi Machine Works 952
 Lenz Electric Mfg. Co. 945

Magnasync Corp. 947
 Magna-Tech Electronic Co., Inc. 937
 Marconi's Wireless Telegraph Co. Ltd. 933
 Minnesota Mining & Mfg. Co. 935
 Mole-Richardson Co. 922
 Motion Picture Laboratories, Inc. 930
 Movielab Film Laboratories, Inc. 917
 Moviola Mfg. Co. 936
 O'Connor Engineering Laboratories 931
 Pan American Films 938
 Photo Research Corp. 958
 Prestoseal Mfg. Corp. 932
 Professional Services 954
 SMPTE 914, 915
 S.O.S. Photo-Cine-Optics, Inc. 956
 Sylvania Electric Products, Inc. 919, 923-926
 Texas Industrial Films 940
 Westrex Co. 918
 Wollensak Optical Co. 916

Meeting Calendar

Society of Reproduction Engineers, Visual Communications Congress, Dec. 1-4, Hotel Biltmore, Los Angeles.
 AICE, Annual Meeting, Dec. 3-7, Hotel Commodore, New York.
 American Association for the Advancement of Science, Annual National Meeting, Dec. 26-31, Denver Hilton, Brown Palace, Cosmopolitan, Shirley Savoy Hotels, Denver, Colo.
 Electronic Industries Association, Eighth National Symposium on Reliability and Quality Control, Jan. 9-11, 1962, Statler-Hilton Hotel, Washington, D. C.
 ASME, Symposium on Thermophysical Properties, Jan. 22-26, 1962, Princeton Univ., Princeton, N. J.
 American Physical Society, Jan. 24-27, 1962, New York.
 AIEE, Winter General Meeting, Jan. 28-Feb. 2, 1962, Hotel Statler, New York.
 Institute of the Aerospace Sciences, Annual National Meeting, Jan. 29-31, 1962, Hotel Astor, New York.
 Society of the Plastics Engineers, Annual Technical Conference, Jan. 30-Feb. 2, 1962, Penn-Sheraton Hotel, Pittsburgh, Pa.
 AICE, National Meeting Feb. 4-7, 1962, Statler-Hilton, Los Angeles.
 American Society of Photogrammetry, Annual Convention, Mar. 11-17, 1962, Washington, D. C.
 American Chemical Society, National Meeting, Mar. 20-29, 1962, Washington, D. C.

IRE International Convention, Mar. 26-29, 1962, New York.
 Polytechnic Institute of Brooklyn, 12th International Symposium on the Mathematical Theory of Automata, Apr. 24-26, 1962, United Engineering Center Auditorium, New York.
91st Semiannual Convention of the SMPTE and Equipment Exhibit, Apr. 29-May 4, 1962, Ambassador Hotel, Los Angeles.
 Electrochemical Society, Annual Meeting, May 6-10, 1962, Statler-Hilton Hotel, Los Angeles.
 SPSE Annual Conference, May 7-11, 1962, Somerset Hotel, Boston, Mass.
 IRE, National Aerospace Electronics Conference, May 14-16, 1962, Dayton, Ohio.
 AIEE, ARS, IAS, IRE, ISA, National Telemetering Conference, May 23-25, 1962, Sheraton-Park Hotel, Washington, D. C.
 6th International Congress on High-Speed Photography, Sept. 17-22, 1962, Hotel Kurhaus, Scheveningen, Netherlands.
92nd Semiannual Convention of the SMPTE and Equipment Exhibit, Oct. 21-26, 1962, Drake Hotel, Chicago.
93rd Semiannual Convention of the SMPTE and Equipment Exhibit, Apr. 21-26, 1963, Traymore Hotel, Atlantic City, N. J.
94th Semiannual Convention of the SMPTE and Equipment Exhibit, Oct. 13-18, 1963, Somerset Hotel, Boston.

SMPTE Officers and Committees: The rosters of the Officers of the Society, its Sections, Subsections and Chapters and of the Committee Chairmen and Members were published in the April 1961 Journal.