

JOURNAL OF THE



SMPTE

- 455 Sensitivity and Motion Capturing Ability of Television Camera Tubes
• R. G. Neuhauser
- 462 On the Detective Quantum Efficiency of Television Camera Tubes
• R. Clark Jones
- 467 A Study of Factors Influencing the Legibility of Televised Characters
• W. F. Seibert, D. F. Kasten and J. R. Potter
- 472 A New Moderately Priced, Practical Television Film Recorder
• W. O. Crusinberry and L. P. Greenhill
- 476 A Television Workshop as an Agency Client Service • W. G. Smith
- 479 An Automatic Additive Color Printer • Hans-Christoph Wohlrab
- 482 The Soundtrack in Nontheatrical Motion Pictures (Part III—
Preparing Work Print and Sound Tracks for Re-recording;
and Part IV — Re-recording) • Frank Lewin
- 489 American Standard: 16mm Azimuth Test Film, Magnetic Type
- 490 The SMPTE, The Army, Missiles and Space Vehicles
• Major General J. B. Medaris
- 86th SMPTE Convention • October 5-9 • Statler Hilton, New York

News Columns

86th Convention Papers Program and Exhibits . . . 492
 Association Française des Ingénieurs et Techniciens du Cinéma 492
 Education, Industry News 494
 Section Reports 498
BOOKS REVIEWED. 502
Commercial Television, by Wallace S. Sharps, reviewed by Ralph E. Lovell; *Perspective: Quarterly Review of Progress in Photography, Cinematography, Sound and Image Recording. Vol. 1, No. 1, 1959*, edited by A. Kraszna-Krausz, reviewed by Glenn E. Matthews; *The Animated Cartoon*, by John Daborn, reviewed by Ernest M. Pittaro; *The Art of Animation*, by Bob

Thomas, reviewed by Ernest M. Pittaro; *My Ivory Cellar: The Story of Time-Lapse Photography*, by John Ott, reviewed by Ernest M. Pittaro; *The Dress Doctor*, by Edith Head and Jane Kessner Ardmore, reviewed by Solita Palmer; *Motion-Picture Technical Dictionary: English-French; French-English*, by C. Ryle Gibbs; *Record of National Symposium on Extended Range and Space Communications*, by E. R. S. C. Symposium Committee of the Institute of Radio Engineers, reviewed by A. L. Sorem.

Journals Available and Wanted 512
 New Products 514
 Employment Service 519

Advertisers

Ampex Corp. 511
 Animation Equipment Corp. 514
 Arriflex Corp. of America 495
 Berndt-Bach, Inc.. 497
 Camera Equipment Co. 503, 504
 Camera Mart, Inc. 505
 Cinema Engineering Div. 518
 Classified 519
 Electronic Applications, Inc.. 500
 Filmline Corp. 512
 Fish-Schurman Corp. 498
 Oscar Fisher Co.. 515

Florman & Babb, Inc. 510
 General Film Laboratories, Inc. 520
 Gevaert Photo-Producten N. V. 501
 Hollywood Film Co.. 507
 Houston Fearless Corp. 517
 La Vezzi Machine Works 516
 Magnasync Mfg. Co., Ltd. 499
 Movielab Color Corp.. 509
 Peerless Film Processing Corp. 496
 Prestoseal Mfg. Corp.. 508
 Professional Services 502
 SMPTE. 493, 506
 Tri Art Color Corp.. 513

Meeting Calendar

National Audio-Visual Association Convention and Exhibit, July 25-28, Morrison Hotel, Chicago.
 Society of Photographic Instrumentation Engineers, National Meeting, Aug. 4-7, Ambassador Hotel, Los Angeles.
 WESCON, Aug. 18-21, Cow Palace, San Francisco.
 AIEE, Petroleum Industry Conference, Aug. 25-27, Wilton Hotel, Long Beach, Calif.
 Mathematical Association of America, Summer Meeting, Aug. 31-Sept. 3, Univ. of Utah, Salt Lake City, Utah.
 New York State Society of Professional Engineers, Autumn Meeting, September, Niagara Falls, N. Y.
 Illuminating Engineering Society, Annual National Conference, Sept. 7-11, Fairmont & Mark Hopkins Hotels, San Francisco.
 American Institute of Electrical Engineers and National Electrical Manufacturers Association, National Electrical Insulation Conference, Sept. 9-11, Chicago, Ill.
 Society of Plastics Industry, Midwest Section Conference, Sept. 10, 11, French Lick, Sheraton Hotel, French Lick, Ind.
 American Chemical Society, National Meeting, Sept. 13-18, Atlantic City, N.J.
 Standards Engineers Society, Annual Meeting, Sept. 21-23, Somerset Hotel, Boston, Mass.
 Instrument Society of America, Annual Instrument-Automation Conference and Exhibit, Sept. 21-25, International Amphitheatre, Chicago, Ill.
 IRE, Conference on Non-Linear Magnetics and Magnetic Amplifiers, Sept. 23-25, Shoreham Hotel, Washington, D.C.
 AICE, Sept. 27-30, St. Paul Hotel, St. Paul, Minn.
 National Symposium on Telemetering, Sept. 28-30, Civic Auditorium and Whitcomb Hotel, San Francisco.
 IRE and AIEE, Industrial Electronics Conference, Sept. 30-Oct. 2, Muehlbach Hotel, Kansas City, Mo.
 IRE, Aeronautical Communications Symposium, Oct. 5-7, Hotel Utica, Utica, N. Y.

86th Semiannual Convention of the SMPTE including Equipment Exhibit, Oct. 5-9, Statler Hilton Hotel, New York.
 IRE Canadian Convention, Oct. 7-9, Toronto, Ont.
 Optical Society of America, Annual Meeting, Oct. 8-10, Chateau Laurier Hotel, Ottawa, Ont.
 ASCE, Los Angeles Convention, Oct. 9-13, Hotel Statler, Los Angeles.
 AIEE, Fall General Meeting, Oct. 11-16, Chicago.
 National Electronics Conference, Oct. 12-14, Hotel Sherman, Chicago.
 National Society of Professional Engineers, Fall Meeting, Oct. 15-17, Olympic Hotel, Seattle, Wash.
 ASCE, Annual Convention, Oct. 19-23, Hotel Statler, Washington, D. C.
 American Standards Association, National Conference on Standards, Oct. 20-22, Sheraton-Cadillac Hotel, Detroit, Mich.
 Acoustical Society of America, Fall Meeting, Oct. 22-24, Wade Park Manor Hotel, Cleveland, Ohio.
 Society of Photographic Scientists and Engineers, Oct. 26-30, Edgewater Beach Hotel, Chicago.
 IRE, Electron Devices Meeting, Oct. 29-31, Shoreham Hotel, Washington, D. C.
 Louisiana Polytechnic Institute, Instrumentation Conference, Nov. 5, 6, Ruston, La.
 IRE, Instrumentation Conference, Nov. 9-11, Atlanta, Ga.
 Sixth National Symposium on Reliability and Quality Control, Jan. 11-13, 1960, Statler Hilton Hotel, Washington, D.C.
 IRE National Convention, Mar. 21-24, 1960, Coliseum and Waldorf-Astoria Hotel, New York.
 87th Semiannual Convention of the SMPTE, May 1-7, 1960, Ambassador Hotel, Los Angeles.
 88th Semiannual Convention of the SMPTE, and Fifth International High-Speed Congress and Equipment Exhibit, Oct. 16-22, 1960, Sheraton-Park Hotel, Washington, D.C.
 89th Semiannual Convention of the SMPTE, Spring, 1961, Royal York, Toronto.
 90th Semiannual Convention of the SMPTE, Oct. 15-20, 1961, New York.



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 1958 Journal, Part II.