

JOURNAL OF THE



SMPTE

- 453 Status of Video Tape in Broadcasting • *Howard A. Chinn*
- 458 Economic Impact of the Audio-Visual Field • *John Flory*
- 461 Preparation and Presentation of Low-Cost
Projectable Materials • *Allan Finstad*
- 465 Slide-Projection Materials on Minimum Budgets • *Harvey R. Frye*
- 468 Producing Charts and Graphs on Film • *Arthur L. Laufman*
- 470 Unesco—UNRWA Pilot Project on
Low-Budget Film Making • *Norman Spurr*
- 472 Problems of Small Laboratory Operation • *John I. Newell*
- 474 Xenon Electronic Flash Sensitometer • *Charles W. Wyckoff*
and Harold E. Edgerton
- 480 Multipurpose, Continuous Processing
Machine for Instrumentation Photography • *D. S. Ross*
- 484 New Shoulder-Mounted Tracking Camera • *A. M. Erickson*
and C. G. Grover
- 487 Notice, Amendments to Constitution, Bylaws
- 488 Four American Standards and One Recommended Practice

82d SMPTE Convention • October 4-9 • Sheraton Hotel, Philadelphia

volume 66 • number 8

AUGUST 1957

News Columns

The 82d Convention 492
 The Fall Convention and the Historical and Museum
 Committee 492
 Industry, Education News 494
 Section Reports 494
 BOOKS REVIEWED 498
An Introduction to Junction Transistor Theory, by
 R. D. Middlebrook, reviewed by J. M. Early;
 Active-Networks issue *IRE Transactions in Circuit*

Theory, a notice; *Storage and Preservation of Motion Picture Film*, Kodak booklet; *Photographic Abstracts 2d Decennial Index 1931-40*, publ. by Royal Photographic Society, reviewed by Glenn E. Matthews; *Bibliography of technical books*, S.O.S. Cinema Supply Corp.

New Products 501
 Employment Service 513

Advertisers

Berndt-Bach, Inc. 493
 Camera Equipment Co. 504, 505
 Camera Mart, Inc. 506
 Century Photographic Equipment Co. 500
 Daven Co. 510
 Andre Debrie Mfg. Corp. 507
 Filmline Corp. 494
 Fiorman & Babb 512
 Harwald Co. 510
 Hollywood Film Co. 516
 Kling Photo Corp. 511
 Magnasync Mfg. Co., Ltd. 503
 Minnesota Mining & Mfg. Co. 496, 497

Motion Picture Laboratories, Inc. 498
 Motion Picture Printing Equipment Co. 513
 Movielab Color Corp. 509
 Peerless Film Processing Corp. 502
 Photo Research Corp. 498
 Precision Film Laboratories, Inc. 495
 Prestoseal Mfg. Corp. 514
 Producers Sales 515
 Professional Services 512
 Reeves Soundcraft Corp. 501
 S.O.S. Cinema Supply Corp. 499
 Westrex Corp. 508

Meeting Calendar

Western Electronic Show and Convention, Aug. 20-23, Cow Palace, San Francisco. The technical program will offer 255 papers at 48 sessions.
 Biological Photographic Association, Aug. 27-30, Kahler Hotel, Rochester, Minn.
 IRE-AIEE Magnetic Amplifiers Conference, Sept. 4-6, Penn Sheraton Hotel, Pittsburgh, Pa.
 American Physical Society, Regional Meeting, Sept. 5-7, Boulder, Colo.
 American Chemical Society, National Meeting Sept. 8-13 New York.
 Illuminating Engineering Society, National Technical Conference, Sept. 9-13, Biltmore Hotel, Atlanta, Ga.
 Instrument Society of America 12th Annual Instrument-Automation, Conference and Exhibit, Sept. 9-13, Auditorium, Cleveland, Ohio.
 Society of Photographic Scientists and Engineers, Annual Technical Conference, Sept. 9-13, Hotel Berkeley-Carteret, Asbury Park, N. J.
 American Statistical Association, Annual Meeting of Section on Physical and Engineering Sciences, Sept. 10-13, Atlantic City, N. J.
 American Institute of Chemical Engineers, Regional Meeting, Sept. 15-18, Lord Baltimore Hotel, Baltimore, Md.
 American Society of Mechanical Engineers, Fall Meeting, Sept. 23-25, Statler Hotel, Hartford, Conn.
 Standards Engineers Society, 6th Annual Convention, Sept. 23-25, Commodore Hotel, New York.
 Institute of Radio Engineers and American Institute of Electrical Engineers, Industrial Electronics Conference, Sept. 24-25, Morrison Hotel, Chicago.
 82nd Semiannual Convention of the SMPTE, Oct. 4-9, Sheraton Hotel, Philadelphia.
 National Electronics Conference, Oct. 7-9, Hotel Sherman, Chicago.
 American Institute of Electrical Engineers, Reliability and Quality Control in Electronics, Oct. 10, Silver Spring Md.

American Society of Civil Engineers, National Convention Oct. 14-18, Statler Hotel, New York.
 Institute of Radio Engineers, Canadian Convention, Oct. 16-18, Toronto, Ont., Canada.
 Acoustical Society of America, National Meeting, Oct. 24-26, Univ. of Michigan, Ann Arbor, Mich.
 American Standards Association, Eighth National Conference on Standards, Nov. 13-15, San Francisco.
 IRE, ASQC, AIEE, RETMA, Fourth National Symposium on Reliability and Quality Control, Jan. 6-8, 1958, Hotel Statler, Washington, D. C.
 83rd Semiannual Convention of the SMPTE, including Equipment Exhibit, April 21-26, 1958, Ambassador Hotel, Los Angeles.
 Fourth International Congress on High-Speed Photography, including Equipment Exhibit, Sept. 29-Oct. 4, 1958, Cologne.
 84th Semiannual Convention of the SMPTE, Oct. 20-24, 1958, Sheraton-Cadillac, Detroit.
 American Standards Association, Ninth National Conference on Standards, Nov. 18-20, 1958, Hotel Roosevelt, New York.
 85th Semiannual Convention of the SMPTE, including International Equipment Exhibit, May 4-8, 1959, Fontainebleau, Miami Beach.
 86th Semiannual Convention of the SMPTE, including Equipment Exhibit, Oct. 5-9, 1959, Statler, New York.
 87th Semiannual Convention of the SMPTE, May 1-7, 1960, Ambassador Hotel, Los Angeles.
 88th Semiannual Convention of the SMPTE, Fall, 1960, Shoreham 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, Statler, 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 1957 Journal.