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INDEX 1936-1945

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This INDEX is the third to be issued since the Society began its publication venture in 1916.

The first Index covers the 15-year period from July 1916 to June 1930. Copies are still available although in limited quantity and may be purchased from the Society by members and educational institutions. This early Index is unique in that it contains not only the customary Subject and Author listings, but in addition has a synopsis of each article that appeared in the thirty-eight copies of the Transactions from 1916 to 1929 and in the first six issues of the Journal for 1930.

The second Index covers Journal articles for the 6-year period from January 1930 to December 1935, and was issued in 1936. A limited number of copies of this issue are also available for purchase by members, schools or colleges.

The current INDEX includes the customary Subject and Author listings for the 10-year period from January 1936 to December 1945, and in addition, lists back issues of the JOURNAL that may be purchased by anyone interested. American Standards on Motion Pictures are referred to as well in a separate section at the back of the INDEX.

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- Acoustic Considerations in the Construction of Vocal Studios, E. B. Mounce, C. Portman, and M. Rettinger, v. 42, no. 6 (June 1944), p. 372.
- Modern Music Recording Studio, M. Rettinger, v. 39, no. 3 (Sept. 1942), p. 186. Quarter-Wave Method of Speaker Testing, S. L. Reiches, v. 38, no. 5 (May 1942), p. 457.
- Compact Direct-Reading Reverberation Meter, E. S. Seeley, v. 37, no. 6 (Dec. 1941), p. 557.
- Solving Acoustic and Noise Problems Encountered in Recording for Motion Pictures, W. L. Thayer, v. 37, no. 5 (Nov. 1941), p. 525.
- Factors Affecting Sound Quality in Theaters, A. Goodman, v. 37, no. 5 (Nov. 1941), p. 510.
- Development and Current Uses of the Acoustic Envelope, H. Burris-Meyer, v. 37, no. 1 (July 1941), p. 109.
- Acoustic Design Features of Studio Stages, Monitor Rooms, and Review Rooms, D. P. Loye, v. 36, no. 6 (June 1941), p. 593.
- Determination of Microphone Performance, F. L. Hopper and F. F. Romanow, v. 36, no. 4 (Apr. 1941), p. 341.
- Outline of the Work of the Academy Research Council Sub-Committee on Acoustical Characteristics, J. Durst, v. 36, no. 3 (Mar. 1941), p. 283.
- Theater Acoustic Recommendations of the Research Council Theater Standardization Committee, v. 36, no. 3 (Mar. 1941), p. 267.
- Theater Standardization Activities of the Research Council of the Academy of Motion Picture Arts and Sciences, J. K. Hilliard, v. 35, no. 4 (Oct. 1940), p. 388.
- Control of Sound in Theaters and Preview Rooms, C. C. Potwin, v. 35, no. 2 (Aug. 1940), p. 111.
- Partial Deafness and Hearing-Aid Design: Characteristics of Hearing Loss in Various Types of Deafness, W. B. Beasley, v. 35, no. 1 (July 1940), p. 59.
- Motion Picture Theater Developments, M. Rettinger, v. 34, no. 5 (May 1940), p. 524.
- Considerations Relating to Warbled Frequency Films, E. S. Seeley, v. 34, no. 2 (Feb. 1940), p. 177.

Controlled Sound Reflection in Review Rooms, Theaters, etc., C. M. Mugler, v. 33, no. 4 (Oct. 1939), p. 421.

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Some Production Aspects of Binaural Recording for Sound Motion Pictures, W. H. Offenhauser, Jr., and J. J. Israel, v. 32, no. 2 (Feb. 1939), p. 139.

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Notes on the Velocity Microphone, M. Rettinger, v. 29, no. 6 (Dec. 1937), p. 629. Recent Progress in Acoustics, V. O. Knudsen, v. 29, no. 3 (Sept. 1937), p. 233. Transmission of Sound and Vibration in Buildings, E. Meyer, v. 28, no. 3 (Mar. 1937), p. 271.

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Acoustic Considerations in the Construction and Use of Sound Stages, D. P. Loye, v. 27, no. 3 (Sept. 1936), p. 267.

Principles of Measurements of Room Acoustics, E. C. Wente, v. 26, no. 2 (Feb. 1936), p. 145.

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Kiczales, v. 40, no. 1 (Jan. 1943), p. 24.

New Electrostatic Air-Cleaner and Its Application to the Motion Picture Industry, H. Gitterman, v. 39, no. 1 (July 1942), p. 70.

Air-Conditioning Safety Device for Theaters, E. R. Morin, v. 37, no. 3 (Sept. 1941), p. 307.

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Air-Conditioning with Lithium Chloride, G. A. Kelley, v. 30, no. 4 (April

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Use of Silica Gel in Air-Conditioning, J. C. Patterson, v. 27, no. 5 (Nov. 1936), p. 545.

Air Filtration in the Production of Motion Pictures, H. C. Murphy, v. 26, no. 6 (June 1936), p. 637.

AMERICAN STANDARDS ASSOCIATION (See also Standards; and War Committee on Photography—Z52)

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Progress Report of the Work of the ASA War Committee on Photography and Cinematography—Z52, J. W. McNair, v. 44, no. 5 (May 1945), p. 386.

American Motion Picture Standards, v. 43, no. 2 (Aug. 1944), p. 123.

Role of the American Standards Association in War Standardization, J. W. McNair, v. 43, no. 1 (July 1944), p. 5.

War Standards for Motion Picture Equipment and Processes, D. E. Hyndman, v. 42, no. 4 (Apr. 1944), p. 211.

Specification and Description of Color, American War Standard, v. 40, no. 5 (May 1943), p. 277.

American Standards and Recommended Practices, v. 36, no. 3 (Mar. 1941), p. 217.

ASA Committee Proposes Method for Determining Speed of Film, M. E. Russell, v. 36, no. 2 (Feb. 1941), p. 119.

American Standards and Their Place in the Motion Picture Industry, J. W. McNair, v. 36, no. 2 (Feb. 1941), p. 113.

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Transmission System of Narrow Band-Width for Animated Line Images, A. M. Skellett, v. 33, no. 6 (Dec. 1939), p. 670.

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- Suggested Clarification of Carbon Arc Terminology as Applied to the Motion Picture Industry, H. G. MacPherson, v. 37, no. 5 (Nov. 1941), p. 480.
- Report on Arc Lamp Noise Tests, Research Council, v. 36, no. 5 (May 1941), p. 559.
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- Copper-Oxide Rectifiers for Motion Picture Arc Supply, I. R. Smith, v. 27, no. 3 (Sept. 1936), p. 331.
- Present Trends in the Application of the Carbon Arc to the Motion Picture Industry, W. C. Kalb, v. 27, no. 3 (Sept. 1936), p. 253.
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Infrared Absorption by Water as a Function of Temperature of Radiator, A. H. Taylor, v. 30, no. 5 (May 1938), p. 568.

Spectral Distributions and Color-Temperatures of the Radiant Energy from Carbon Arcs Used in the Motion Picture Industry, F. T. Bowditch and A. C. Downes, v. 30, no. 4 (Apr. 1938), p. 400.

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Citation on the Work of Walt Disney, N. Levinson, v. 35, no. 6 (Dec. 1940), p. 534.

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Citation of the Work of Charles Edward Kenneth Mees, L. A. Jones, v. 27, no. 6 (Dec. 1936), p. 625.

Citation of the Work of Edward Washburn Kellogg, A. N. Goldsmith, v. 27, no. 6 (Dec. 1936), p. 620.

Book Reviews

Measurement of Colour, W. D. Wright, v. 44, no. 6 (June 1945), p. 481.

Correct Exposure in Photography, W. D. Morgan and H. M. Lester, v. 44, no. 1 (Jan. 1945), p. 71.

Guide to the Literature of Photography and Related Subjects, A. Boni, Comp., v. 43, no. 3 (Sept. 1944), p. 214.

Film Index: A Bibliography, Vol. I, The Film as Art, Comp. by Workers of the Writers' Program, WPA, v. 38, no. 6 (June 1942), p. 557.

Photography: Its Science and Practice, J. R. Roebuck and H. C. Staehle, v. 38, no. 4 (Apr. 1942), p. 373.

Acoustics, A. Wood, v. 37, no. 6 (Dec. 1941), p. 639.

History of Photography: Its Relation to Civilization and Practice, Dr. Erich Stenger, v. 34, no. 2 (Feb. 1940), p. 234.

Applied Acoustics, H. F. Olson and Frank Massa, v. 34, no. 1 (Jan. 1940), p. 116.

Motion Picture Sound Engineering: A Symposium of Papers on Studio Sound Recording and Theater Sound Reproducing Equipment and Practice, Academy of Motion Picture Arts and Sciences, v. 31, no. 3 (Sept. 1938), p. 324. International Dictionary of Cinematography, E. Cauda, v. 30, no. 5 (May

1938), p. 609.

Film and School, H. Rand and R. Lewis, v. 30, no. 5 (May 1938), p. 608.

Servicing Sound Equipment, J. R. Cameron, v. 30, no. 5 (May 1938), p. 608.

Film Making from Script to Screen, Andrew Buchanan, v. 30, no. 5 (May 1938), p. 608.

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Technical News, v. 43, no. 4 (Oct. 1944), p. 303.

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New Single-System Recording Attachment for Standard Cameras, A. Reeves, v. 32, no. 5 (May 1939), p. 540.

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High-Speed Motion Picture Photography Applied to Design of Telephone Apparatus, W. Herriott, v. 30, no. 1 (Jan. 1938), p. 30.

Specifications for a Standard Synchronizing System for Cameras, v. 28, no. 3 (Mar. 1937), p. 265.

Slide-Rule Sketches of Hollywood, H. G. Tasker, v. 28, no. 2 (Feb. 1937), p. 158.

Lumière Cinematograph, L. Lumière, v. 27, no. 6 (Dec. 1936), p. 640.

Magazine Ciné-Kodak, O. Wittel, v. 27, no. 5 (Nov. 1936), p. 595.

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 - Line Microphones, H. F. Olson, v. 36, no. 3 (Mar. 1941), p. 302.
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Notes on the Velocity Microphone, M. Rettinger, v. 29, no. 6 (Dec. 1937), p. 629.

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(May 1938), p. 601.

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1s the Federal Government Interested in Educational Films?, C. M. Koon, v. 27, no. 2 (Aug. 1936), p. 204.

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Suggested Clarification of Carbon Arc Terminology as Applied to the Motion Picture Industry, H. G. MacPherson, v. 37, no. 5 (Nov. 1941), p. 480.

Theater Engineering Report (Projection, Theater Design, Glossary), v. 37, no. 1 (July 1941), p. 78.

Theater Engineering Report (Power Survey, Tools and Tolerances, Fire Hazards, Photometric Nomenclature), v. 35, no. 6 (Dec. 1940), p. 549.

Research Council Nomenclature for Release Print Sound-Tracks, J. K. Hilliard, v. 30, no. 6 (June 1938), p. 656.

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- Status of Lens Making in America, W. B. Rayton, v. 33, no. 4 (Oct. 1939), p. 426.
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Theater Engineering Report (Power Survey, Tools and Tolerances, Fire Hazards, Photometric Nomenclature), v. 35, no. 6 (Dec. 1940), p. 549.

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Process Projection Equipment Recommendations, v. 32, no. 6 (June 1939), p. 589.

Standard Electrical Characteristics for Two-Way Reproducing Systems in Theaters (Revised), v. 32, no. 2 (Feb. 1939), p. 213.

Research Council Nomenclature for Release Print Sound-Tracks, J. K. Hilliard, v. 30, no. 6 (June 1938), p. 656.

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Color Report, v. 27, no. 2 (Aug. 1936), p. 164.

Edge Numbering Report, v. 40, no. 2 (Feb. 1943), p. 137.

Exchange Practice Report (Shipping Cases, Rewinding, Splicing), v. 33, no. 1 (July 1939), p. 103.

Exchange Practice Report (General), v. 30, no. 6 (June 1938), p. 651.

Exchange Practice Report, v. 29, no. 1 (July 1937), p. 50.

Film, Fine-Grain, Report (Adaptation to Variable-Density Sound Technics), v. 34, no. 1 (Jan. 1940), p. 3.

Film Preservation Report (Handling, Storage Cabinets, Printers), v. 35, no. 6 (Dec. 1940), p. 584.

Film Preservation Report (Deterioration and Safety), v. 30, no. 3 (Mar. 1938), p. 300.

Film Preservation Report, v. 27, no. 2 (Aug. 1936), p. 147.

Laboratory Practice Report, v. 26, no. 4 (Apr. 1936), p. 345.

Membership and Subscription Report, v. 33, no. 1 (July 1939), p. 106.

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Membership and Subscription Report, v. 28, no. 2 (Feb. 1937), p. 188.

Museum Report (Motion Picture Equipment in the United States National Museum), v. 35, no. 6 (Dec. 1940), p. 612.

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Papers Report, v. 32, no. 2 (Feb. 1939), p. 217.

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Papers Report, v. 29, no. 2 (Aug. 1937), p. 154.

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Progress Report (Cinematography, Sound, Television), v. 34, no. 5 (May 1940), p. 455.

Progress Report, v. 33, no. 2 (Aug. 1939), p. 119.

Progress Report (Cinematography and Sound, Germany, Great Britain, and Japan), v. 31, no. 2 (Aug. 1938), p. 109.

Progress Report, v. 29, no. 1 (July 1937), p. 3.

Progress Report, v. 27, no. 1 (July 1936), p. 3.

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Projection Practice Report (Wartime Conservation in Theater Projection), v. 38, no. 6 (June 1942), p. 515.

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Projection Practice Report, v. 33, no. 2 (Aug. 1939), p. 230.

Projection Practice Report (Screen Brightness, NFPA Regulations, Power), v. 33, no. 1 (July 1939), p. 101.

Projection Practice Report, v. 31, no. 5 (Nov. 1938), p. 547.

Projection Practice Report (Theater Survey, Screen Illumination, Projection Room Plans, and Underwriters Regulations), v. 31, no. 5 (Nov. 1938), p. 480. Projection Practice Report (Projection Room Plans), v. 31, no. 4 (Oct. 1938), p. 435.

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Projection Practice Report, v. 30, no. 3 (Mar. 1938), p. 358.

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Projection Practice Report (Theater Dimensions and Apertures), v. 29, no. 6 (Dec. 1937), p. 614.

Projection Practice Report, v. 29, no. 1 (July 1937), p. 39.

Projection Practice Report, v. 27, no. 2 (Aug. 1936), p. 140.

Projector and Screen Illumination Report, v. 30, no. 6 (June 1938), p. 648.

Screen Brightness Report (Comprehensive Report of Studies on Screen Brightness), v. 27, no. 2 (Aug. 1936), p. 127.

Screen Brightness Report, v. 26, no. 5 (May 1936), p. 489.

Sound Report (General), v. 41, no. 4 (Oct. 1943), p. 292.

Sound Report, v. 28, no. 1 (Jan. 1937), p. 24.

Sound Report (Primary and Secondary Frequency Reference Standards), v. 26, no. 1 (Jan. 1936), p. 21.

Sprocket Design Report, v. 45, no. 2 (Aug. 1945), p. 73.

Standards Report, v. 45, no. 4 (Oct. 1945), p. 261.

Standards Report (Projector Sprocket Design), v. 45, no. 2 (Aug. 1945), p. 73.

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Standards Report, v. 40, no. 2 (Feb. 1943), p. 137.

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Standards Report (16-Mm Film Winding), v. 38, no. 1 (Jan. 1942), p. 87.

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Standards Report (American Standards and SMPE Recommended Practices), v. 35, no. 6 (Dec. 1940), p. 566.

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Standards Report (International Standards, Sound Track, Safety Film, Cores), v. 34, no. 1 (Jan. 1940), p. 88.

Standards Report, v. 32, no. 6 (June 1939), p. 689.

Standards Report (Film Cores, Safety Film, and Definitions), v. 31, no. 6 (Dec. 1938), p. 619.

Standards Report (Dimension of Film Cores, 35-Mm Sound-Track Dimensions, and Specifications for Safety Film), v. 31, no. 2 (Aug. 1938), p. 217.

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Standards Report (Reels, Sound Track, and Perforation), v. 30, no. 3 (Mar. 1938), p. 292.

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Standards Report (Film Perforation), v. 29, no. 4 (Oct. 1937), p. 376.

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Studio Lighting Report, v. 45, no. 4 (Oct. 1945), p. 249.

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Studio Lighting Report, v. 35, no. 6 (Dec. 1940), p. 607.

Studio Lighting Report (Incandescent Lamps, Lens Coating), v. 35, no. 1 (July 1940), p. 86.

Studio Lighting Report (Key Lighting), v. 34, no. 1 (Jan. 1940), p. 94.

Studio Lighting Report (Lighting Problems), v. 33, no. 1 (July 1939), p. 97.

Studio Lighting Report (Arc Lamps, Definitions, Filters), v. 32, no. 1 (Jan. 1939), p. 44.

Studio Lighting Report (Lighting Practice and Equipment), v. 30, no. 3 (Mar. 1938), p. 294.

Studio Lighting Report, v. 28, no. 1 (Jan. 1937), p. 32.

Television Report (Statement of the SMPE on Allocation of Frequencies in the Radio Spectrum from 10 Kilocycles to 30,000,000 Kilocycles for Theater Television Service), v. 44, no. 2 (Feb. 1945), p. 105.

Television Report (Statement of the SMPE in Opposition to the Brief of the Columbia Broadcasting System as It Relates to Theater Television), v. 44, no. 4 (Apr. 1945), p. 263.

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Theater Engineering Report (Power Survey, Tools and Tolerances, Fire Hazards, Photometric Nomenclature), v. 35, no. 6 (Dec. 1940), p. 549.

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Report on Engineering of the Society of Motion Picture Engineers, D. E. Hyndman, v. 42, no. 1 (Jan. 1944), p. 1.

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Presidential Address, Convention, New York, October 16, 1939, E. A. Williford, v. 33, no. 6 (Dec. 1939), p. 603.

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Progress Report of the Work of the ASA War Committee on Photography and Cinematography—Z52, J. W. McNair, v. 44, no. 5 (May 1945), p. 386.

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American Standards and Recommended Practices, v. 36, no. 3 (Mar. 1941), p. 217.

Non-Theatrical Report (Recommendations for Educational 16-Mm Projection), v. 37, no. 1 (July 1941), p. 22.

Television Report (Order, Rules, and Regulations, Federal Communications Commission), v. 37, no. 1 (July 1941), p. 87.

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Standards Report (American Standards and SMPE Recommended Practices), v. 35, no. 6 (Dec. 1940), p. 566.

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Criticism of the Proposed Standards for 16-Mm Sound Film, J. A. Maurer and W. H. Offenhauser, Jr., v. 31, no. 1 (July 1938), p. 3.

Research Council Nomenclature for Release Print Sound-Tracks, J. K. Hilliard, v. 30, no. 6 (June 1938), p. 656.

Standards Report (Reels, Sound Track, and Perforation), v. 30, no. 3 (Mar. 1938), p. 292.

Standards Proposed for Adoption by the Society, v. 30, no. 3 (Mar. 1938), p. 249.

Fader Setting Instruction Leader, (Academy Standard), v. 30, no. 2 (Feb. 1938), p. 215.

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Standards Report (Film Perforation), v. 29, no. 4 (Oct. 1937), p. 376.

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Technical News, v. 45, no. 2 (Aug. 1945), p. 156.

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Statement Presented before the Federal Communications Commission Relating to Television Broadcasting, P. J. Larsen, v. 44, no. 2 (Feb. 1945), p. 123.

Technical News, v. 43, no. 4 (Oct. 1944), p. 303.

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Film in Television. Television Production as Viewed by a Motion Picture Producer, W. Cooper, v. 43, no. 2 (Aug. 1944), p. 73.

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Television Report (Order, Rules, and Regulations, Federal Communications Commission), v. 37, no. 1 (July 1941), p. 87.

Scanning Theory, S. Sabaroff, v. 36, no. 5 (May 1941), p. 497.

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Television Report (Flicker, Visual Fatigue, Bibliography), v. 35, no. 6 (Dec. 1940), p. 569.

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Television Report (Committee Program), v. 33, no. 1 (July 1939), p. 75.

Design Problems in Television Systems and Receivers, A. B. DuMont, v. 33, no. 1 (July 1939), p. 66.

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Television Lighting, W. C. Eddy, v. 33, no. 1 (July 1939), p. 41.

Television Studio Technic, A. W. Protzman, v. 33, no. 1 (July 1939), p. 26. Continuous Type Television Film Scanner, P. C. Goldmark, v. 33, no. 1 (July

1939), p. 18.

Application of Motion Picture Film to Television, E. W. Engstrom, G. L. Beers, and A. V. Bedford, v. 33, no. 1 (July 1939), p. 3.

Some Television Problems from the Motion Picture Standpoint, G. L. Beers, E. W. Engstrom, and I. G. Maloff, v. 32, no. 2 (Feb. 1939), p. 121.

Road Ahead for Television, I. J. Kaar, v. 32, no. 1 (Jan. 1939), p. 18.

Non-Intermittent Projector for Television Film Transmission, H. S. Bamford, v. 31, no. 5 (Nov. 1938), p. 453.

Transmission of Motion Pictures over a Coaxial Cable, H. E. Ives, v. 31, no. 3 (Sept. 1938), p. 256.

Television Demonstration, October, 1937, v. 29, no. 6 (Dec. 1937), p. 596.

Television from the Standpoint of the Motion Picture Producing Industry, v. 29, no. 2 (Aug. 1937), p. 144.

RCA Developments in Television, R. R. Beal, v. 29, no. 2 (Aug. 1937), p. 121. Iconoscopes and Kinescopes in Television, V. K. Zworykin, v. 28, no. 5 (May 1937), p. 473.

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Some Factors in Drive-in Theater Design, L. H. Walters, v. 44, no. 2 (Feb. 1945), p. 138.

Sound and Projection Equipment in War Department Theaters, G. L. Bub, v. 40, no. 1 (Jan. 1943), p. 35.

Heating, Ventilating, and Air-Conditioning War Department Theaters, M. D. Kiczales, v. 40, no. 1 (Jan. 1943), p. 24.

Construction of War Department Theaters, C. Welpley, v. 40, no. 1 (Jan. 1943), p. 4.

Theater Engineering Report (Fire Safety, Theater Seating, Screen Bright ness), v. 38, no. 1 (Jan. 1942), p. 74.

- Factors Affecting Sound Quality in Theaters, A. Goodman, v. 37, no. 5 (Nov. 1941), p. 510.
- Black Light for Theater Auditoriums, H. J. Chanon and F. M. Falge, v. 37, no. 2 (Aug. 1941), p. 197.
- Theater Engineering Report (Projection, Theater Design, Glossary), v. 37, no. 1 (July 1941), p. 78.
- Theater Acoustic Recommendations of the Research Council Theater Standardization Committee, v. 36, no. 3 (Mar. 1941), p. 267.
- Theater Engineering Report (Power Survey, Tools and Tolerances, Fire Hazards, Photometric Nomenclature), v. 35, no. 6 (Dec. 1940), p. 549.
- Control of Sound in Theaters and Preview Rooms, C. C. Potwin, v. 35, no. 2 (Aug. 1940), p. 111.
- Motion Picture Theater Developments, M. Rettinger, v. 34, no. 5 (May 1940), p. 524.
- Projection Room Planning for Safety, E. R. Morin, v. 34, no. 2 (Feb. 1940), p. 134.
- Projection Practice Report (Projection Room Plans, Building Codes), v. 34, no. 2 (Feb. 1940), p. 125.
- Lighting of Motion Picture Theater Auditoriums, F. M. Falge and W. D. Riddle, v. 32, no. 2 (Feb. 1939), p. 201.
- Coordinating Acoustics and Architecture in the Design of the Motion Picture Theater, C. C. Potwin and B. Schlanger, v. 32, no. 2 (Feb. 1939), p. 156.
- Projection Practice Report (Theater Survey and Screen Illumination), v. 30, no. 6 (June 1938), p. 636.
- Projection Practice Report (Theater Dimensions and Apertures), v. 29, no. 6 (Dec. 1937), p. 614.
- Motion Picture Theater Shape and Effective Visual Reception, B. Schlanger, v. 26, no. 2 (Feb. 1936), p. 128.

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- Improved Loudspeaker System for Theaters, J. B. Lansing and J. K. Hilliard, v. 45, no. 5 (Nov. 1945), p. 339.
- Outline of the Work of the Academy Research Council Sub-Committee on Acoustical Characteristics, J. Durst, v. 36, no. 3 (Mar. 1941), p. 283.

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- Projectionist's Interest in Auditorium Viewing Conditions, B. Schlanger, v. 34, no. 6 (June 1940), p. 585.
- Thyratron Reactor Theater Lighting Control, J. R. Manheimer, v. 27, no. 1 (July 1936), p. 107.

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- Administration of United States Army Motion Picture Service, R. B. Murray, v. 40, no. 1 (Jan. 1943), p. 52.
- Defense Program of the Motion Picture Theater, H. Anderson, v. 38, no. 6 (June 1942), p. 526.
- Air-Conditioning Safety Device for Theaters, E. R. Morin, v. 37, no. 3 (Sept. 1941), p. 307.

Theater Standardization Activities of the Research Council of the Academy of Motion Picture Arts and Sciences, J. K. Hilliard, v. 35, no. 4 (Oct. 1940), p. 388.

Projection Supervision, Its Problems and Importance, H. Rubin, v. 34, no. 6 (June 1940), p. 580.

Safeguarding Theater Sound Equipment with Modern Test Instruments, A. Goodman, R. J. Kowalski, W. F. Hardman, and W. S. Stanko, v. 34, no. 4 (Apr. 1940), p. 409.

Projectionist's Part in Maintenance and Servicing, J. R. Prater, v. 34, no. 2 (Feb. 1940), p. 143.

Automatic Emergency Shutter Switch for Theater Fan and Light Control, E. R. Morin, v. 32, no. 5 (May 1939), p. 568.

Discussion of Screen-Image Dimensions, F. H. Richardson, v. 30, no. 3 (Mar. 1938), p. 334.

Cooperation as the Keynote of Projection Service, T. P. Hover, v. 30, no. 3 (Mar. 1938), p. 326.

Recent Advances in the Acoustical Design of Motion Picture Theaters, S. K. Wolf and C. C. Potwin, v. 27, no. 4 (Oct. 1936), p. 386.

Primary Considerations in the Design and Production of Theater Amplifiers, T. D. Cunningham, v. 27, no. 2 (Aug. 1936), p. 179.

Real Need for Projection Departments in Theater Circuits, F. H.Richardson, v. 26, no. 6 (June 1936), p. 666.

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Time Telescope, C. P. Veber, v. 33, no. 6 (Dec. 1939), p. 690.

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WAR COMMITTEE ON PHOTOGRAPHY—Z52

Preliminary Report of Academy Research Council Committee on Rerecording Methods for 16-Mm Release of 35-Mm Features, W. C. Miller, v. 45, no. 2 (Aug. 1945), p. 135.

Progress Report of the Work of the ASA War Committee on Photography and Cinematography, Z52, J. W. McNair, v. 45, no. 1 (July 1945), p. 33.

Organization of Committees on Engineering of the SMPE, D. E. Hyndman, v. 44, no. 1 (Jan. 1945), p. 22.

War Standards for Photographic Equipment Speed Military Instruction, A. G. Zimmerman, v. 43, no. 2 (Aug. 1944), p. 115.

Progress Report of the Work of the ASA War Committee on Photography and Cinematography—Z52, J. W. McNair, v. 44, no. 5 (May 1945), p. 386.

Report of Subcommittee G on Exposure Meters, J. M. Whittenton, v. 43, no. 1 (July 1944), p. 25.

Report of Subcommittee D on 16-Mm Projection, A. G. Zimmerman, v. 43, no. 1 (July 1944), p. 23.

Report of Subcommittee C on 16-Mm Laboratory Practice, M. R. Boyer, v. 43, no. 1 (July 1944), p. 21.

Report of Subcommittee B on 16-Mm Sound, J. A. Maurer, v. 43, no. 1 (July 1944), p. 19.

Report of the Engineering Vice President on Standardization, D. E. Hyndman, v. 43, no. 1 (July 1944), p. 1.

War Standards for Motion Picture Equipment and Processes, D. E. Hyndman, v. 42, no. 4 (Apr. 1944), p. 211.

X-RAY

Soft X-Ray Motion Pictures of Small Biological Specimens, H. F. Sherwood, v. 28, no. 6 (June 1937), p. 614.

Technical Basis of X-Ray Motion Picture Photography, R. Janker, v. 27, no. 4 (Oct. 1936), p. 409.

AMERICAN STANDARDS

American Standards on Motion Pictures first appeared in 1930 and were published by the Society in that year. Many changes have since been introduced and published in the JOURNAL to keep the industry aware of current improvements and of new technical developments as they began to attain a position of economic importance.

In 1945, following the end of emergency War Standards activity, ASA Committee on Motion Pictures, Z22 recommended revision of all existing Standards within its field of interest. The ASA chose that as an opportune time to change the size of its Z22 Standards from 5 x 8 inches to 8½ x 11 inches, perforated to fit a standard three-post loose-leaf binder. At the request of its own Standards Committee and through arrangement with the ASA, the SMPE made a binder for these Standards available to the industry. That binder, together with a complete set of Standards current at the time of order, may now be purchased from the Society at a reasonable discount. Industry people who purchase binders are notified of all new Standards at the time of ASA approval and are thus assured that their records are accurate and up-to-date.

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