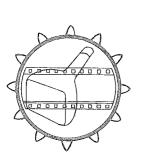
JOURNAL OF THE



FIVE-YEAR INDEX-1961-1965

Subject Co	ote	9 0	or	ie:	ŝ	в	6	6	е	⊖	9	0	0	0	е	Sucrement
Authors	0	G	6	0	٥	e	е	Θ	9	6	9	6	Ð	œ	Ð	
Subjects	Θ	6	6	Ð	9	G	e	ø	: e	e	ө	Θ	9	е	0	2
American	Si	'OI	nd		'd		A	A	A	A	Α.			6		28

1916-1965

his is the seventh cumulative index issued by the Society since its creation in 1916. The first Index covered the period from July 1916 to July 1930. The Society's publication was called *Transactions* until January 1930 when the name was changed to *Journal of the SMPE*. In 1950, when the name of the Society became Society of Motion Picture and Television Engineers, defining its expanding interest in television, the name of its publication became *Journal of the SMPTE*. The first Index included not only subject and author listings but also a synopsis of each paper. As the membership increased and the scope of the Society widened it became infeasible to include material of this nature in the Index. Changes were made in each subsequent index to accommodate a wider range of subject matter and a greater number of contributors.

In compiling the present Index, the editors have followed, in general, the plan of similar indexes, while endeavoring to anticipate the special requirements of members, students and researchers. New subject categories have been added and larger categories divided to make this Index as useful as possible. The outline of Subject Categories on the page opposite reflects the Society's interests in many fields relying on communication techniques related to motion pictures and television, among them, photoinstrumentation, space technology, data processing and education.

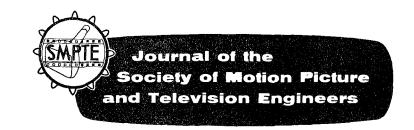
In 1916, the confusion arising at home and abroad through want of co-operation and standardization prompted C. Francis Jenkins, inventor and scientist, to interest a dozen manufacturers and their technicians in the founding of a society which should have for its avowed purpose "advancement in the theory and practice of motion picture engineering and the allied arts and sciences, the standardization of the mechanisms and practices employed therein and the dissemination of scientific knowledge by publication."

The above statement appeared in the Preface to the first Index. Today, a half-century later, those aims and purposes are still valid. Beginning with a few dedicated founders, the Society's membership has increased to more than 6,500, extended throughout the world. The early *Transactions* has grown to the present-day *Journal;* several technical books have been published; and more than a hundred American Standards and Test Films are available through the Society.

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

9 EAST 41st STREET, NEW YORK, N. Y. 10017

FIVE-YEAR INDEX 1961-1965



Subject Categories

Each Journal technical paper, report and industry standard is indexed under one or more of the following headings. American Standards, Proposals, and SMPTE Recommendations are also given in the American Standards index, pp. 28–32. Society announcements (awards, Board meetings, conventions, engineering activities, news, membership, nominations and elections, section activities, etc.) will be found under subheadings of Society Activities.

Abstracts, Other Journals

Acoustics

Aerial Photography

Animation

Apparatus

Arcs (Projection)

Automatic Devices and Systems

Awards and Honors (see also Society Activities, Awards and Citations)

Bibliography

Biographical Notes

Book Reviews

Books, Booklets, Brochures (a column of brief items, indexed only annually)

Cameras (see also High-Speed Photography and Instrumentation; also Television)

Cinematography (see also High-Speed Photography and Instrumentation)

Color (see also Densitometry; Laboratory Practice; Television; Photographic Theory and Materials)

Current Literature (lists of articles in selected periodicals)

Data Recording and Processing

Densitometry (see also Photographic Theory and Materials)

Editing (see also Laboratory Practice; Photographic Theory and Materials)

Education

Education, Industry News (a column of brief items, indexed only annually)

Errata, Addenda and Lacunae

Film

Cleaning • 8 mm and Small Format • General • Test • Wear

General

High-Speed Photography and Instrumentation

Cameras • General • International Congresses • Lighting

Historical

Laboratory Practice (see also Photographic Theory and Materials)
General ● Printing ● Processing

Lasers

Lenses (see Optics)

Letters to the Editor

Lighting and Lamps (see also High-Speed Photography and Instrumentation; Television)

Magnetic Recording Tape

Medical Photography

New Products and Developments (a column of brief items, indexed only annually)

Nontheatrical (see also Education; Film, 8mm and Small Format)

Obituarie:

Optics

Other Organizations (see also Education, Industry News in the Annual Indexes)

Photogrammetry

Photographic Theory and Materials

Photometry (see also Lighting and Lamps; Optics)

Power Supply

Production (see Special Effects and Set Construction; Studios; Non-theatrical; Education)

Progress Committee Reports

Projectors and Projection (see also Television)

35mm • 8mm and 16mm

Screen Brightness and Screens (see also Wide-Screen Systems)

Sensitometry (see also Densitometry)

Society Activities

Awards and Citations (see also Awards and Honors) • Committees • Conferences • Constitution and Bylaws • Education (see also Education, Industrial News in Annual Indexes) • Engineering Activities • Financial Reports • General • International Congress • Membership • Nominations • Officers and Governors of the Society • Publications • Representatives to Other Organizations • Section Activities • Section Meeting Reports • Subscriptions and Dues • Test Films

Sound Recording

General • Magnetic • Photographic

Sound Reproduction

Space Technology

Special Effects and Set Construction (see also Studios)

Standards and Recommendations (see also specific subject headings or the Index to American Standards and SMPTE Recommended Practices which lists all Standards now in effect)

Studios (see also Production; Special Effects; Television)

Television (see also Videotape; Recording; Education)

Cameras and Pickup Equipment (including lenses) • Closed-Circuit • Color • Educational • Films and Film Recording • General • International • Lighting • Military • Picture Quality • Projection • Satellite and Space Communication • Subscription • Switching Equipment

Theaters

Thermoplastic Recording

Time-Lapse Cinematography

Underwater Photography

Video Tape

Wide-Screen Systems

Subjects

See "Subject Categories" on the preceding page for an overall view of the arrangement. Items under each heading are arranged alphabetically. The boldface numbers refer to volumes which are:

70: Jan.-Dec. 196171: Jan.-Dec. 196272: Jan.-Dec. 1963

73: Jan.-Dec. 196474: Jan.-Dec. 1965

Abstracts, Other Journals

Acoustics, 74: 708, Aug. 1965

Aerial Photography, 73: 60, Jan. 1964; 74: 1148, Dec. 1965

Cameras (and Equipment), 70: 230, Mar.; 454, June 1961; 71: 128, Feb.; 410, May; 534, July 1962; 72: 260, Mar.; 578, July; 758, Sept.; 830, Oct. 1963; 73: 64, Jan.; 276, Mar.; 444, May; 908, Oct. 1964; 74: 484, May; 710, Aug.; 1148, Dec. 1965

Cinematography, 72: 580, July; 759, Sept.; 832, Oct. 1963; 73: 1149, Dec. 1964; 74: 710, Aug. 1965

Color (Photography and Development) (see also Laboratory Practice; Television; Printing and Optics), 70: 232, Mar.; 454, June; 772, Sept. 1961; 71: 128, Feb.; 411, May; 537, July 1962; 73: 67, Jan. 1964; 74: 710, Aug. 1965

Color Processes, 73: 448, May; 722, Aug. 1964 Copying, 73: 448, May 1964

Copying Equipment, 73: 448, May; 722, Aug. 1964 Data Recording (and Processing), 72: 264, Mar. 1963; 73: 450, May; 912, Oct. 1964; 74: 712, Aug.; 1149, Dec. 1965

Exposure Determining Devices, 73: 914, Oct. 1964; 74: 484, May 1965

Film, 73: 68, Jan. 1964; 74: 712, Aug.; 1150, Dec. 1965

Film and Its Properties, **70**: 234, Mar.; 456, June; 770, Sept. 1961; 71: 130, Feb.; 413, May; 537, July 1962; **72**: 266 Mar.; 760, Sept. 1963; **73**: 276, Mar. 1964; **74**: 712, Aug. 1965

Film Processing (apparatus and chemicals), 70: 234, Mar.; 456, June; 772, Sept. 1961; 71: 130, Feb.; 414, May; 538, July 1962; 72: 266, Mar.; 760, Sept. 1963; 73: 278, Mar. 1964

Filters, 73: 450, May 1964

General, History, Training, Bibliography, 70: 454, June 1961; 71: 126, 132, Feb.; 612, Aug.; 815, Oct. 1962; 72: 260, 268, 270, Mar.; 584, July; 760, Sept.; 832, Oct. 1963; 73: 68, Jan.; 278, Mar.; 450, May; 722, Aug.; 914, Oct. 1964; 74: 484, May; 712, Aug.; 1151, Dec. 1965

Graphic Arts, Photomechanical Processes, 73: 452, May 1964

High-Speed Photography and Instrumentation, 70: 118, Feb.; 236, Mar.; 458, June; 773, Sept. 1961; 71: 130, Feb.; 414, May; 538, July 1962; 72: 260, Mar.; 760, Sept.; 832, Oct. 1963; 73: 69, Jan.; 278, Mar.; 452, May; 722, Aug.; 914, Oct. 1964; 74: 485, May; 712, Aug.; 1151, Dec. 1965

Laboratory Practice (see also Printing and Optics), 72: 760, Sept.; 834, Oct. 1963; 73: 71, Jan. 1964; 74: 712, Aug. 1965

Lens Systems (Lenses and Shutters), 73: 72, Jan.; 452, May; 724, Aug. 1964; 74: 1152, Dec. 1965 Lamps and Lighting, 73: 278, Mar. 1964

Lighting, 73: 162, Feb.; 278, Mar. 1964

Light Sources, 73: 455, May 1964; 74: 486, May

Medical Photography, 73: 162, Feb. 1964; 74: 486, May; 1152, Dec. 1965

Miscellaneous Apparatus, 73: 455, May; 724, Aug. 1964; 74: 486, May; 714, Aug.; 1153, Dec. 1965 Motion Pictures, 73: 455, May 1964; 74: 487, May

Photographic Theory and Materials (see also Cinematography; Laboratory Practice), 73: 456, May; 726, Aug. 1964; 74: 487, May; 714, Aug.; 1153, Dec. 1965

Photomicrography, 73: 457, May 1964; 74: 716, Aug. 1965

Printing and Optics (see also Laboratory Practice), 70: 122, Feb.; 242, Mar. 1961; 71: 132, Feb.; 415, May; 612, Aug.; 815, Oct. 1962; 72: 270, Mar. 1962

Projectors (and Projection), 70: 124, Feb.; 244, Mar.; 774, Sept. 1961; 71: 132, Feb.; 415, May 1962; 72: 271 Mar.; 584, July; 761, Sept.; 834, Oct. 1963; 73: 164, Feb.; 280, Mar. 1964; 74: 716, Aug. 1965

Projectors and Viewers, 73: 459, May; 734, Aug. 1964; 74: 489, May 1965

Physics and Chemistry, 73: 458, May; 732, Aug. 1964

Printing Equipment, Enlargers, 73: 458, May 1964 Processing Equipment (see also Laboratory Practice), 73: 459, May; 732, Aug. 1964

Radiography and Nuclear Photography, 73; 736, Aug. 1964

Sensitometry (and Image Structure), 70: 126, Feb.; 246, Mar.; 460, June 1961; 73: 280, Mar. 1964 Sound Effects, 73: 282, Mar. 1964

Sound Recording and Reproduction, 70: 126, Feb.; 776, Sept. 1961; 71: 134, Feb.; 416, May; 616, Aug.; 816, Oct. 1962; 72: 274, Mar.; 586, July; 761, Sept.; 835, Oct. 1963; 73: 164, Feb.; 461, May; 736, Aug. 1964; 74: 491, May; 716, Aug.; 1154, Dec. 1965

Space Science (see also Special Applications), 72: 274, Mar.; 986-991, Dec. 1963

Special Applications (see also Color; Medical Photography), 73: 461, May; 740, Aug. 1964; 74: 491, May; 718, Aug. 1965

Television, 70: 126, Feb.; 246, Mar.; 462, June; 770, Sept.; 942, Nov. 1961; 71: 136, Feb.; 416, May; 618, Aug.; 816, Oct. 1962; 72: 274, Mar.; 586, July; 835, Oct. 1963; 73: 164, Feb.; 282, Mar. 1964; 74: 492, May, 718, Aug.; 870, Sept.; 1153, Dec. 1965

Tests and Measurements, 73: 288, Mar. 1964 Video Tape and Recording, 70: 776, Sept. 1961; 71: 136, Feb. 1962

Acoustics

Acoustical engineering, studios and review rooms, Snow, 70: 33-38, Jan. 1961

Acoustical window, prefabricated, *Lane* and *Tucker*, 73: 1036-1037, Dec. 1964

Acoustics, Cinerama Theatre, Rettinger, 73: 566-567, July 1964

Flutter index concept, Comerci, 71: 1-8, Jan. 1962 Reverberation facilities, artificial, auditoriums and audio systems, Crane and Brookes, 70: 809-814, Oct. 1961

Aerial Photography

Base-surge contours, oblique photographs, rectification, *Philips*, 74: 779-783, Sept. 1965
 Reconnaissance, surveillance photography, *Goldhammer*, 73: 858-862, Oct. 1964

Animation

Aerial-image unit, industrial animation camera, Tressel and Andrews; 73: 956-957, Nov. 1964 Animation camera, industrial, electronic control unit, Tressel and Andrews, 73: 957, Nov. 1964 Animation photography, tape control, *Andrews* and *Tressel*, 74: 1101-1102, Dec. 1965

Computer animation, scientific, educational tool, Zajac, 74: 1006-1008, Nov. 1965

Video tape, animation editing, Mantel, 73: 561-565, July 1964

Apparatus

Acoustical window, prefabricated, *Lane* and *Tucker*, 73: 1036-1037, Dec. 1964

American Standard, Proposed, Film Spools for 8mm Motion-Picture Cameras, PH22.107, 70: 989, Dec. 1961

Automated instruction, use of motion pictures, Persselin, 73: 755-760, Sept. 1964

Cablefilm equipment, Wood, Padel, and Rainger, 70: 494-498, July 1961

Camera timing marker, dual spark, neon light sources, *Hiller* and *Dearing*, 74: 897-901, Oct. 1965

Camera unit, 16mm film, vidicon television, combination, Back, 74: 1096, Dec. 1965

Chip formation in metal cutting, study, *Kuebler*, 74: 905-906, Oct. 1965

Cinespectrograph, reentry measurements, *Plakun* and *Schupp*, 74: 25-27, Jan. 1965

Damping device, continuous 16mm motion-picture printer, Seeley, 70: 498-500, July 1961

Editing bench, industrial film production, Tressel and Andrews, 73: 959-960, Nov. 1964

Editing machine, 16mm, design, Rigby, 73: 960-962, Nov. 1964

960-962, Nov. 1964 Film cartridge, 8mm, improved, *Mueller*, 73: 1038-1040, Dec. 1964

Film cleaner/waxer, automatic, combined 35mm/16mm, Rigby, 73: 865-866, Oct. 1964

Film-handling system, new, Gross, 74: 788-789, Sept. 1965

Flour beetles, population behavior, time-lapse photographic method for studying, *Gilbert*, **74**: 901-904, Oct. 1965

Footage counter, electronic, luminous, *Snowdall* and *Hedden*, 74: 784-785, Sept. 1965

Footage counter, technical note, Magargle, 73:

491-492, June 1964 Image dissector, novel application, *Papp*, 74:

782-783, Sept. 1965 Image orthicon, noise, analysis, Vine, 70: 432-435,

June 1961 Lip-sync camera sound system, inexpensive, how to

Lip-sync camera sound system, inexpensive, how to build, *Kausch*, 74: 1097-1101, Dec. 1965

Magnetic recording process, 5000:1 scale model, Tjaden and Leyten (abridgement, Pierre Mertz) 74: 1024-1027, Nov. 1965

Magnetic striping 8mm sound film, developments, Schmidt, 70: 607-610, Aug. 1961

Magnetic tapes, technique for examination of contact area, Streiffert, 74: 678-680, Aug. 1965

Microdensitometer for photographic research, Herrnfeld, 70: 904-905, Nov. 1961

Motion-picture equipment, Japan, Shimasaki, 70: 412-413, May 1961

Motion-picture equipment, location, newsreel, Rigg. 73: 775-777, Sept. 1964

Motion picture kit, industrial, portable, compact, Tressel, Andrews, Giroux, and Abderhalden, 73: 954-955, Nov. 1964

Pan, tilt, rotation devices, motor-drive, motion-

- picture camera, Gentleman, 74: 332-334, Apr. 1965
- Projectors, narrow-film, film-feed mechanisms, Maschgan, 73: 134-138, Feb. 1964
- Recommended Practice, RP 21, Dimensions of 35mm Rewind Spindles, 74: 798, Sept. 1965

Recording densitometer, semiautomatic, analytical, White, 72: 798-803, Oct. 1963

- Sensitometer, microsecond exposure, constant-time, variable intensity, Herrnfeld, 70: 500-501, July 1961
- Slide processing, television, precision registration equipment, Benson and Whittaker, 74: 15-18, Jan. 1965
- Striping technique, simplified, Rezai, 73: 221-222, Mar. 1964
- Teaching machine, branching, using motion pictures, Perrin, 73: 760-764, Sept. 1964
- Time-lapse photography, modification of Zeiss Ultraphot II microscope, Shapira, 74: 1002-1005, Nov. 1965
- Timing-light generator, coded, accurate, Boy de la Tour, 74: 328-331, Apr. 1965
- Video-tape analyzer, Goldberg and Hannah, 70: 85-89. Feb. 1961
- Xenon flashtubes, light source, color, black-andwhite scene tester, Hauge, Reichard and Sokolow, 73: 866~869, Oct. 1964

Arcs (projection)

Carbon arcs, 16mm film projection, Heppberger and Bowen, 73: 862-864, Oct. 1964

Automatic Devices and Systems

- Animation camera, industrial, electronic control unit, Tressel and Andrews, 73: 957, Nov. 1964
- Animation photography, tape control, Andrews and Tressel, 74: 1101-1102, Dec. 1965 Automation, television studio program production,
- Hayashi, Yoshihara, Hosoi, Umiuchi and Hara, 73: 942-946, Nov. 1964
- Automatic sequencing equipment, television, Grace and Spicer, 70: 150-155, Mar. 1961
- Automatic switching control, television, digital computers for, Ettlinger, 70: 145-149, Mar. 1961
- Control consoles, lighting, British TV studios, Bentham, 70: 814-821, Oct. 1961
- Light control system, memorized storage, De Backer, 70: 906-908, Nov. 1961
- Magnetic-striped release prints, high-speed inspection, Kleinerman, 70: 600-602, Aug. 1961
- Multifilm projector, automatic, audio-visual and entertainment, Duvall, 74: 1104-1107, Dec. 1965 Program switching, computer control system, CBS-
- KNXT, Ettlinger, 70: 691-695, Sept. 1961 Projector, cartridge-type, home motion pictures,
- other applications, Beyer, 70: 429-431, June 1961 Signal generator, synchronizing, transistor, Myles and Reid, 70: 822-828, Oct. 1961
- 35mm motion-picture printer, automatic, Kennedy, DeClerk and LaBanca, 70: 267-269, Apr. 1961

Awards and Honors

(See also Society Activities, Awards and Citations)

- Academy Awards, 71: 378, May 1962; 72: 430, May 1963; 74: 480, May; 616, July 1965
- Awards Presentations (see Society Activities-Awards and Citations)
- Exhibit Awards, EMI/US, 71: 708, Sept. 1962; Bell & Howell, 72: 42, Jan. 1963; Sylvania, 72: 636, Aug. 1963; Traid Corp., 73: 57, Jan. 1964; Gordon Enterprises, 74: 548, June 1965
- Honors and Awards, 74: 7, Apr. Pt. II 1965 Lewin, George, Commanders Trophy, 71: 292, Apr.
- National Academy of Television Arts and Sciences presents joint award, 70: 758, Sept. 1961
- Outstanding Achievement Award, TV Production, Peter S. Brown, 70: 756, Sept. 1961
- Oskar Messter Medal awarded Dr. Albert Narath, 70: 843. Oct. 1961
- PSA Progress Medal, awarded Lloyd E. Varden, 70:

916, Nov. 1961; Herman H. Duerr, 71: 786, Oct. 1962; Deane R. White, 73: 818, Sept. 1964

Univ. of Calif. film, August Heat, Award of Merit, Vancouver Film Festival, 70: 843, Oct. 1961

Bibliography

- Bibliography information publications of NIKFI, 71: 126, Feb. 1962
- Image dissection, high-speed photography, bibliography, Courtney-Pratt, 72: 876-878, Nov. 1963 Motion pictures, annotated bibliography, Mac-Cann, 72: 322-324, Apr. 1963

Biographical Notes

Altman, Fred E., 70: 118, Feb. 1961 Baker, Ray Jerome, 70: 650, Aug. 1961 Beers, George Lisle, 73: 708, Aug. 1964

Breitenstein, Sam, 71: 870, Nov. 1962 Dahlstedt, Stellan (Papers Committee), 73:

814-816, Sept. 1965 Golden, Nathan D., 72: 430, May 1963

Handley, Charles W., 73: 156, Feb. 1964

Hardy, Arthur C., 70: 564, July 1961 Keith, Clyde R., 70: 650, Aug. 1961

Komar, V. G. (Papers Committee), 73: 816-817, Sept. 1964

Matthews, Glenn E., 72: 40, Jan. 1963

Meeussen, Louis A., papers committee national chairman from Belgium, 74: 527-528, June 1965 Moyse, Kern, 70: 646, Aug. 1961

Staud, Cyril J., 73: 156, Feb. 1964 Wetzel, W. W., 73: 156, Feb. 1964

Book Reviews

- abc's of Boolean Algebra, Allan Lytel, 73: 602, July 1964
- abc's of Television, Len Buckwalter, 73: 602, July 1964
- A-C Circuit Analysis, ed., Alexander Schure, 70: 402, May 1961
- ACL Handbook, ed., Byron Roudabush, 73: 356, Apr. 1964
- Acts of Turin: 3rd UNIATEC Congress, 73: 356, Apr. 1964
- Acts of Turin: 4th UNIATEC Congress, 72: 748, Sept. 1963
- Advanced Magnetism and Electromagnetism, ed., Alexander Schure, 70: 402, May 1961
- American Cinematographer Manual, Joseph V. Mascelli, Editor, 70: 402, May 1961
- American Institute of Physics Handbook (2d ed.), Ed., Dwight E. Gray, 72: 910, Nov. 1963
- Animation Techniques and Commercial Film Production, Eli L. Levitan, 72: 350, Apr. 1963
- Applied Optics, John N. Howard, ed., 71: 230-232, Mar. 1962
- Applied Optics and Optical Engineering: Vol. I, ed., Rudolf Kingslake, 74: 854, Sept. 1965
- Atlas of Optical Phenomena, Michel Cagnet, Maurice Francon and Jean Claude Thrierre, 72: 756, Sept. 1963
- The Audio Control Handbook (revised ed.), Robert S. Oringel, 73: 356, Apr. 1964
- Basic Ultrasonics, Cyrus Glickstein, 70: 402, May
- Basics of Missile Guidance and Space Techniques, Marvin Hobbs, 70: 656, Aug. 1961
- Beginnings of the Biograph, Gordon Hendricks, 74: 192, Feb. 1965
 Bricks and Mortarboards: A Report on College
- Planning and Building, 73: 436, May 1964
- Broadcast Engineering Notebooks: Vol. I Television Tape Fundamentals, Harold E. Ennes, 72: 754, Sept. 1963
- Bulletin on Technical Control for the Cinema and on the Bureau of Standardization for the Cinema Industry (in French), 70: 779, Sept. 1961
- Cecil Beaton's Fair Lady, 73: 1076, Dec. 1964 Cinemicrography in Cell Biology, Ed., George G. Rose, 74: 192, Feb. 1965
- Classification of Electron Tubes, J. Haantjes and H. Carter, 70: 404, May 1961
- Color Television Fundamentals, Milton S. Kiver, 73: 708, Aug. 1964

- Communications Dictionary, James P. Holmes, 71: 722, Sept. 1962
- The Complete Technique of Making Films, P. Monier, 72: 510, June 1963
- Conductance Design of Active Circuits, Keats A. Pullen, Jr., 70: 656, Aug. 1961
- Control System Components, John E. Gibson, 70: 660, Aug. 1961
- Data Transmission, William R. Bennett and James R. Davey, 74: 474, May 1965
- Design for ETV: Planning for Schools With Television, 73: 434, May 1964
- Design in Motion, John Halas and Roger Manvell, 71: 724, Sept. 1962
- Dictionary of Modern Acronyms and Abbreviations, Milton Goldstein, 73: 710, Aug. 1964
- Documentary in American Television: Form-Function-Method, A. William Bluem, 74: 190, Feb. 1965
- The Edison Motion Picture Myth, Gordon Hendricks, 71: 797, Oct. 1962
- Educational Media Index (Vols. 3 and 11), 73: 830, Sept. 1964
- 8mm Sound Film and Education, ed., Louis Forsdale, 72: 350, Apr. 1963
- Electrical Noise, William R. Bennett, 70: 64, Jan.
- Electronic Drafting Handbook, Nicholas M. Raskhodoff, 71: 226-228, Mar. 1962
- Electronic Equipment Design and Construction, Geoffrey W. A. Dummer, Cledo Brunetti and Low K. Lee, 71: 872, Nov. 1962
- Electronic Test Instrument Handbook, Joseph A. Risse, 72: 348, Apr. 1963
- Electronics Reliability and Microminiaturization, ed., G. W. A. Dummer, 71: 722, Sept. 1962
- Elements of Infrared Technology: Generation Transmission and Detection, Paul W. Kruse, Laurence D. McGlauchlin and Richard B. McQuistan, 72: 346, Apr. 1963
- Eliminating Man-Made Interference, Jack Darr, 70: 68, Jan. 1961
- L' Emission Photoélectrique, P. Vernier, 72: 746, Sept. 1963
- Engineering and Scientific High-Speed Photography, William G. Hyzer, 71: 718, Sept. 1962
- The Eye of History: The Motion Picture From Magic Lantern to Sound Film, Julius Pfragner, 73: 984, Nov. 1964
- Fernseh-Messtechnik, Dr.-Ing. Wolfgang Dillenburger, 71: 42, Jan. 1962
- Field-Effect Transistors, Leonce J. Sevin, Jr., 74: 858, Sept. 1965
- Film Coating Theory: The Physical Chemistry of Coating Thin Layers on a Moving Support, B. M. Deryagin and S. M. Levi (Trans. W. R. Eichler and E. A. Sutherns), 74: 476, May 1965
- Der Filmtrick und der Trickfilm, Werner Reff and Stefan Vasarhelyi, 71: 724, Sept. 1962
- Focal Encyclopedia of Photography (Desk Edition),
- ed., Frederick Purves, 70: 64, Jan. 1961 Fourier Methods in Optical Image Evaluation, E. H. Linfoot, 74: 476, May 1965
- Freedom and Communications, Dan Lacy, 71: 799, Oct. 1962
- Fundamentals of Infrared Technology, Marvin R. Holter, Sol Nudelman, Gwynn H. Suits, William L. Wolfe and George Zissis, 72: 346, Apr. 1963
- Fundamentals of Magnetic Amplifiers, Barron Kemp, 72: 748, Sept. 1963
- Gas Tubes, ed., Alexander Schure, 70: 402, May
- The Grammar of Television Production, Desmond Davis, 71: 400, May 1962
- Grundlagen der Breitwand-Filmverfahren, Dr. E. M. Goldowski, 70: 66, Jan. 1961
- Handbook of Electronic Charts and Nomographs, Allan Lytel, 71: 228-230, Mar. 1962
- Human Engineering Guide for Equipment Designers (2d ed.), Wesley E. Woodson and Donald W. Conover, 74: 190, Feb. 1965
- Image Dissection in High-Speed Photography, J. S. Courtney-Pratt, 70: 62, Jan. 1961
- Improvement of Teaching by Television, ed., Barton L. Griffith and Donald W. MacLennan, 74: 858, Sept. 1965
- Indian Film, Erik Barnouw and S. Krishnaswamy, 73: 436, May 1964

- Individualizing Instruction: ASCD 1964 Yearbook, 73: 602, July 1964
- Industrial Transistor and Semiconductor Handbook, Robert B. Tomer, 71: 228, Mar. 1962
- Intermodulation and Harmonic Distortion Handbook, Howard M. Tremaine, 72: 746, Sept. 1963 International Transistor Substitution Guidebook, Keats A. Pullen, Jr., 70: 658, Aug. 1961
- The Invention of the Traveling-Wave Tube, Rudolf Kompfner, 73: 982, Nov. 1964
- Leica Manual and Data Book, Willard D. Morgan, 70: 778, Sept. 1961
- Lenses in Photography: The Practical Guide to Optics for Photographers (revised ed.), Rudolf Kingslake, 73: 602, July 1964
- Lighting for Television: Using the Image-Orthicon Tube in the Studio, E.B.U. Tech. Monograph No. 3101, 74: 636, July 1965
- Low-Frequency Amplifiers, ed., Alexander Schure, 70: 402, May 1961
- Magnetic and Electrical Fundamentals, Franklian Approach, Alexander Efrom, 70: 402, May 1961 Magnetic Recording for the Hobbyist, Arthur Zuck-
- erman, 73: 602, July 1964
- Magnetic Tape Recording. H. G. M. Spratt, 70: 654, Aug. 1961
- Magnetic Tape Recording (2d ed.), H. G. M. Spratt, 73: 600, July 1964
- Magnetism and Electromagnetism, ed., Alexander Schure, 70: 402, May 1961
- Making and Coating Photographic Emulsions, V. L. Zelikman and S. M. Levi, 74: 638, July 1965
 Man, Education and Work: Postsecondary Voca-
- Man, Education and Work: Postsecondary Vocational and Technical Education, Grant Venn; assisted by Theodore J. Marchese, Jr., 74: 474, May; 864, Sept. 1965
- Masers and Lasers: How They Work, and What They Do, M. Brotherton, 73: 828, Sept. 1964
- Mass Media and National Development, 74: 196, Feb. 1965
- Mathematics and the Physical World, 73: 604, July 1964
- Microfilm Technology, Carl E. Nelson, 74: 856, Sept. 1965
- Microwave Filters, Impedance-Matching Networks, and Coupling Structures, George L. Matthaei, Leo Young and E. M. T. Jones, 74: 474, May 1965
- Modern Dictionary of Electronics, ed., Rudolf F. Graf, 71: 872, Nov. 1962
- Modern Dictionary of Electronics, (2nd Ed.), Rudolf F. Graf, 73: 710, Aug. 1964
- Modern Infrared Technology, Barron Kemp, 72: 450, May 1963
- Modern Mathematics for the Engineer: Second Series, Edwin F. Beckenbach, ed., 71: 230, Mar. 1962
- Moscow in May 1963: Education and Cybernetics, Oliver J. Caldwell and Loren R. Graham, 74: 196, Feb. 1965
- Motion Picture Presentation Manual, The British Kinematograph Society, 71: 718, Sept. 1962
- Motion Picture Production Facilities of Selected Colleges and Universities, (report), Don G. Williams and Luella V. Snyder, 72: 744, Sept. 1963
- Motion-Picture Production for Industry, Jay E. Gordon, 71: 720, Sept. 1962
- My Autobiography, Charles Chaplin, 73: 1076, Dec.
- National Electrical Code Handbook (11th ed.), Arthur L. Abbott (Revised by Frank Stetka), 73: 434. May 1964
- The Needs of Education for Television Channel Allocations: a Survey by the National Association of Educational Broadcasters, (government publication), 72: 248, Mar. 1963
- New Building on Campus: Six Designs for a College Communications Center, 73: 436, May 1964
- The New Campus in Britain: Ideas of Consequence for the United States, Richard P. Dober, 74: 860, Sept. 1965.
- Nurturing Individual Potential: Papers and Reports From the ASCD Seventh Curriculum Research Institute, ed., A. Harry Passow, 73: 602, July 1964
- Occasional Paper No. 6: Studies in the Growth of Instructional Technology I: Audio-Visual Instrumentation for Instruction in the Public Schools, 1930-1960: A Basis for Take-Off, James D. Finn, Donald G. Perrin and Lee E. Campion, 72: 748, Sept. 1963

4

- The Optical Industry Directory, Optical Publishing Co., 71: 724, Sept. 1962
- Optical Industry Directory, 73: 830, Sept. 1964 Optoelectronic Devices and Circuits, Samuel Weber, 74: 636, July 1965
- The Origin of Radar, Robert Morris Page, 71: 722, Sept. 1962
- PLI Lens Test Wall Chart, Morgan and Morgan, 71: 726, Sept. 1962
- The People Look at Educational Television, Wilbur Schramm, Jack Lyle and Ithiel de Sola Pool, 74: 862. Sept. 1965
- Photographic Chemistry, Vol. II, Pierre Glafkides, 70: 777, Sept. 1961
- Photographic Instrumentation: Techniques—Equipments—Applications, Kenneth Shafton and Dean Hawley, 72: 344, Apr. 1963
- Photographic Lenses, C. B. Neblette and Allen E. Murray, 74: 638, July 1965
- Photographic Literature, ed., Albert Boni, 72: 508, June 1963
- Photography, Its Materials and Processes, 6th Ed., C. B. Neblette, 72: 350, Apr. 1963
- The Physics of Television, Donald F. Fink and David M. Luytens, 70: 654, Aug. 1961
- Physiology of the Retina and Visual Fathway, G. S.
- Brindley, 72: 244, Mar. 1963 Pocket Photo Data Book, 74: 478, May 1965
- Polaroid Manual, Ansel Adams, 72: 746, Sept. 1963 Popov and the Beginnings of Radio Telegraphy, Charles Susskind, 73: 982, Nov. 1964
- Posing for the Camera, Harriet Shepard and Leonore Meyer, 70: 779, Sept. 1961
- Principles of Cinematography (3rd ed.) Leslie J. Wheeler, 73: 598, July 1964
- Principles of Color Sensitometry, 2d, Revised Ed., SMPTE, 72: 908, Nov. 1963
- Proceedings of the Convention on Television and Film Techniques (April 1961), published by British Kinematography Society and Television Society, 72: 348, Apr. 1963
- Proceedings, Fifth Conference: Magnetism and Magnetic Materials, 71: 44, Jan. 1962
- Proceedings, Fourth International Congress on High-Speed Photography, ed., H. Schardin and O. Helwich, 70: 400, May 1961
- Proceedings of the St. Louis Photo-Optical Data Reduction Seminar (Pub. SPIE), 73: 828, Sept. 1964
- Professional Cinematography, Charles G. Clarke, 73: 520. June 1964
- Profiles of Significant Schools: Middle Schools, Judith Murphy, 74: 860, Sept. 1965
- Profiles of Significant Schools: Schools Without Walls (A Report), 74: 860, Sept. 1965
- Programs '63: A Guide to Programed Instructional Materials Available to Educators by September 1963, Ed. Lincoln F. Hanson, 72: 908, Nov. 1963
- R-F Amplifiers, ed., Alexander Schure, 70: 402, May 1961
- RF Interference Control Handbook, Barron Kemp, 72: 348, Apr. 1963
- Schlieren Methods: Notes on Applied Science No. 31, D. W. Holder and R. J. North, 72: 756, Sept. 1963
- School Scheduling by Computer: The Story of GASP, Judith Murphy and Robert Sutter, 74:
- Singers' Glossary of Show Business Jargon, Al Berkman, 70: 404, May 1961
- A Source Book of Photographic History (Quellendarstellungen zue Geschichte der Fotografie), Dr. Wolfgang Baier, 74: 856, Sept. 1965
- Spectral Studies of the Photographic Process, Y. N. Gorokhovskii, 74: 472, May 1965
- Standards of Television Transmission, ed., Vernon Bronson and James A. Fellows, 74: 862, Sept. 1965
- Symposium: Visual Problems of Color (Proceedings), Vols. I and II, 70: 778, Sept. 1961
- A System of Optical Design, Arthur Cox, 74: 854, Sept. 1965
- Teach With Television: A Guide to Instructional TV. Lawrence F. Costello and George N. Gordon, 74: 864, Sept. 1965
- Teaching Machines and Programmed Learning in the Soviet Bloc: A Survey of the Published Literature, 1962-1963, Prepared by Arlo A. Schultz, 74: 196, Feb. 1965

- The Technique of Documentary Film Production, W. Hugh Baddeley, 72: 750, Sept. 1963
- The Technique of the Sound Studio: Radio and Recording, Alec Nisbett, 73: 356, Apr. 1964
- Techniques of Television Production (2d ed), Rudy Bretz, 71: 798, Oct. 1962
- Televised Instruction, ed., Lee S. Dreyfus and Wallace M. Bradley, 72: 246, Mar. 1963
- Television and Society: An Inquest and Agenda for Improvement, Harry J. Skornia, 74: 638, July 1965
- Television Deflection Systems, A. Boekhorst and J. Stolk, 72: 908, Nov. 1963
- Television Newsfilm Standards Manual, 74: 472, May 1965
- Textbook on Mechanized Information Retrieval, Allen Kent, 72: 248, Mar. 1963
- Transistor Circuits for Magnetic Recording, N. M. Haynes, 73: 598, July 1964
- Underwater Photography and Television, Hans-Ulrich Richter, 70: 658, Aug. 1961
- Vacuum Tube Characteristics, ed., Alexander Schure, 70: 402, May 1961
- Video Amplifiers, No. 166-28, ed., Alexander Schure, 70: 402, May 1961
- Video Tape Recording, Julian L. Bernstein, 71: 44, Jan. 1962
- Zone System Manual, Minor White, 71: 722, Sept.

Books, Booklets, Brochures

A column of brief items calling attention to publications of limited or temporary interest. These are indexed each year in the Annual Index but omitted from the Five-Year Index.

Cameras

(see also High-Speed Photography and Instrumentation; also Television)

- Abstracts, other journals, 71: 128, Feb.; 410-411, May; 534-535 July 1962
- Aerial-image unit, industrial animation camera, Tressel and Andrews, 73: 956-957, Nov. 1964
- American Standard, Dimensions of 8mm Motion-Picture Camera Aperture Image, PH22.19— 1964, 73: 582, July 1964
- American Standard, Dimensions of 8mm Motion-Picture Camera Spools (25-ft Capacity), PH22.107-1964, 73: 495, 500-501, June 1964
- American Standard, Dimensions of 16mm Motion-Picture Camera Aperture Image, PH22.7-1964, 73: 582, July 1964
- American Standard, Proposed, Dimensions of 35mm Motion-Picture Camera Aperture Images, PH22.59, 73: 805, Sept. 1964
- American Standard, Specifications for Indicating the Zero Point for Focusing Scales on 16mm and 8mm Motion-Picture Cameras, PH22.74-1965, 74: 429, May 1965
- American Standard, Proposed, 8mm Motion-Picture Camera Spools (25, 50 and 100-ft Capacity), 72: 37, Jan. 1963
- American Standard, Proposed, Specifications for Indicating the Zero Point for Focusing Scales on 16, and 8mm Motion-Picture Cameras, PH22.74, 72: 815, Oct. 1963
- American Standard, Proposed, Specifications for Length of Film on 8mm Motion-Picture Camera Spool (25-ft Capacity), PH22.143, 72: 815, Oct. 1963
- Animation camera, industrial, electronic control unit, *Tressel* and *Andrews*, 73: 957, Nov. 1964 Camera drive power, *Albin*, 71: 842-845, Nov. 1962
- Camera drive power, Albin, 71: 842-845, Nov. 1962Camera, 8mm, Adastra, Hampl, 73: 325-329, Apr. 1964
- Camera unit, 16mm film, vidicon television, combination, Back, 74: 1096, Dec. 1965
- Design, selection, motion-picture camera, *Behrend*, 73: 12-17, Jan. 1964
- Exposure control, improved automatic, *MacMillan*, 71: 510-511, July 1962
- Film cartridge, 8mm, improved, Mueller, 73: 1038-1040, Dec. 1964
- Motion-picture kit, portable, compact, industrial, Tressel, Andrews, Giroux and Abderhalden, 73: 954-955, Nov. 1964

- Pan, tilt, rotation devices, motor-drive, motionpicture camera, Gentleman, 74: 332-334, Apr. 1965
- Registration systems, film, process photography, Kiel. 71: 493-494, July 1962
- Reflex camera, sound-on-film, 16mm professional magnetic, Di Giulio and Brown, 73: 873-876, Oct. 1964
- Remote control, motion-picture cameras, *Lawrence*, 71: 13-14, Jan. 1962
- 10-camera rig, 360° 16mm, design, construction, Behrend, 73: 951-953, Nov. 1964
- Underwater scuba-diver camera, *Truesdell*, 71: 732, Sept. 1962
- Video monitoring, recording, 35mm reflex camera system, *Di Giulio*, 74: 600-601, 611, July 1965

Cinematography

(see also High-Speed Photography and Instrumentation)

- American Standard, Proposed, Camera Usage of 16mm Motion-Picture Film, Perforated 1R-2994, PH22.15, 72: 408, May 1963
- Blood flow in man, cinemicrophotography, Wells, Schildkraut, Teicher and Edgerton, 73: 627-628, Aug. 1964
- Cinephotomicrography, sequential serial sections, technique, Postlethwait, Mills and Lohmann, 73: 629-631, Aug. 1964
- Discrete movement in motion pictures, perceptual threshold, *Levonian*, 71: 278-281, Apr. 1962
- 8mm sound, double system, cinematography in education, Evans. 74: 753-754, Sept. 1965
- Exposure-control myth: letter to the editor, Norwood, 72: 89-90, Feb. 1963
- (Re:) Exposure-control myth: letter to the editor, LaRue/Freund, 72: 414-416, May 1963
- Fiber optics camera, x-ray pictures, sequences, recording, Courtney-Pratt, McLaughlin, Schramm and Alberti, 71: 585-590, Aug. 1962
- Flash cinematography, x-ray, 12,000 images/s, Stenzel and Thomer, 70: 18-20, Jan. 1961
- Image intensifier, flash radiography, application, Thomer and Schall, 70: 20-22, Jan. 1961
- Leningrad Cine-Engineers Institute, development of scientific investigations, *Mankovskii* and *Provornov* (trans. Fulford), 74: 440-452, May 1965
- Living tissues, medical research and teaching, cinephotomicroscopy, Wood, 74: 737-740, Sept. 1965 Lunar orbiter: photographic satellite, Kosofsky and
- Broome, 74: 773–778, Sept. 1965
- Lunar photography, autostereoscopic, Dudley, 70: 799-803, Oct. 1961
- Macrocinematography, use of light, Everest, 71: 664-667, Sept. 1962
- Magnetic sound synchronized with 8mm motion pictures, selective multitrack, *Hennessey*, 71: 660-661, Sept. 1962
- Mirror cinematography, operating room (reprint), *Irvine*, 74: 744-745, Sept. 1965
- Negative color film for better picture quality, Kisner, 71: 776-779, Oct. 1962
- Night photography simulated using color reversal films, Keene, 70: 795-798, Oct. 1961
- Pin registration, Robertson, 72: 75-81, Feb. 1963 Process photography, film registration systems, Kiel. 71: 493-494, July 1962
- Progress in cinematographic materials, Staud. 70: 1019-1021, Dec. 1961
- Roentgen diagnosis, cine and TV methods of analyzing search, *Potsaid*, 74: 731-736, Sept. 1965
- Silent/sound film, teaching, training, *Palmer*, 74: 749, Sept. 1965
- Stereocineradiography, Potsaid, 73: 622-624, Aug. 1964
- Synchronizing system using magnetic tape, *Ryder*, **70**: 426-428, June 1961
- Tape reproducing equipment, modifications of, for use with the pilot-tone synchronization system, *Epstein* and *O'Donnell*, 70: 972-975, Dec. 1961 Techniscope, *Pohl*, 74: 121, Feb. 1965
- Television film exposure, monochrome, speed indexing, factors affecting, *Wright*, 73: 305-313, Apr. 1964
- Time-lapse cinematography, related arts, *Roger*, 70: 259-264, Apr. 1961
- Traveling-matte photography, blue screen system, Beyer, 74: 217-239, Mar. 1965

- Undersea instrumentation, photographic, video documentation, Selvidio, 74: 324-328, Apr. 1965
- USSR, cinematography, *Komar*, 73: 196-201, Mar. 1964
- USSR, cinematography, future, Komar, Chernov and (trans.) Fulford, 74: 254-257, Mar. 1965
- Wavefront reconstruction television facsimile system, requirements, *Leith*, *Upatnieks*, *Hildebrand* and *Haines*, 74: 893-896, Oct. 1965
- X-ray flash cinematography of small objects, highspeed, Früngel, Alberti and Thorwart, 71: 90-92, Feb. 1962

Color

(see also Densitometry; Laboratory Practices; Television; Photographic Theory and Materials)

- Chemistry, color photography, *Vittum*, 71: 937-941, Dec. 1962
- Cinemicrography applied to study of dye transfer from relief matrices, *Tull* and *Stevens*, **74**: 675-677, Aug. 1965
- Color film processing errors, electronic compensation, *Wood, Sanders* and *Griffiths*, 74: 755-759, Sept. 1965
- Color film production, color television, considerations, Waner, 73: 411-414, May 1964
- Color densitometry, pitfalls, *Powers* and *Miller*, 72: 97-103, Feb. 1963
- Color errors in color television cameras, analysis, *Abrahams*, 72: 595-601, Aug. 1963
- Color print film, higher speed, Kisner, 71: 779-781, Oct. 1962
- Color film soundtracks, survey, Color Committee, 71: 591, Aug. 1962
- Color kinescope recording, current experimentation, status report, *Duke*, 72: 711, Sept. 1963
- Color preprint materials, densitometry, improved printing density filters, *Miller* and *Powers*, 72: 695-700, Sept. 1963
- Color rendering, controlled modification, *Happe*, 72: 690-691, Sept. 1963
- Composite color printer, 35mm A&B automatic, Solow and Reichard, 73: 870-872, Oct. 1964
- Gevacolor positive film type 953, Meeussen, 73: 18-21, Jan. 1964
- E.B.U. ad hoc group on color television (reprint), *Theile*, 72: 860-862, Nov. 1963
- Film, color negative, for better picture quality, Kisner, 71: 776-779, Oct. 1962
- Film processing, Ektachrome original, Hedden, Sutton and Gyori, 72: 27-31, Jan. 1963
- Infrared transmission characteristics, color release prints, effects, television reproduction, *Kozanowski*, 73: 939-940, Nov. 1964
- Map transparencies, color, radar trainers, use of color film, *Griffith*, 73: 849-853, Oct. 1964
- Matching techniques, color television camera, Bertero, 72: 602-605, Aug. 1963
- Surface characteristics, color negative film, picture quality, Zwick, 71: 15-20, Jan. 1962
- Technicolor, 8mm prints, *Pohl*, 70: 606-607, Aug. 1961
- (Re:) Wide-screen film performance (letter to the Editor), Offenhauser, 74: 428, May 1965
- Xenon flashtubes, light source, color, black-andwhite scene tester, *Hauge, Reichard* and *Sokolow*, 73: 866-869, Oct. 1964

Current Literature

Lists of articles from selected periodicals dealing with subjects cognate to motion-picture or television engineering are published from time to time in the Journal. Referenced below are the issues in which these lists have appeared under the above heading

70: 404, May; 930, Nov. 1961 71: 402, May 1962 72: 576, July; 828, Oct. 1963 73: 288, Mar. 1964 74: 974, Oct. 1965

Data Recording and Processing

Computer animation, scientific, educational tool, Zajac, 74: 1006-1008, Nov. 1965

- Optical tunnel—versatile electrooptical tool, Krolak and Parker, 72: 177-180, Mar. 1963
- Photographic data recording, direct electron exposure, *Tarnowski* and *Evans*, 71: 765-768, Oct. 1962
- Shuttering scanned image, display devices, electronic counters, two applications, *Rial* and *Bailey*, 73: 876-879, Oct. 1964
- Thermoplastic recorders, Glenn, 71: 670-673, Sept.; discussion, 837, Nov. 1962

Densitometry

(see also Photographic Theory and Materials)

- Color densitometry, pitfalls, *Powers* and *Miller*, 72: 97-103, Feb. 1963
- Densitometry, color preprint materials, in proved printing density filters, *Miller* and *Powers*, 72: 695-700, Sept. 1963
- Microdensitometer, photographic research, Herrnfeld, 70: 904-905, Nov. 1961
- Photographic density, analytical study (translation), Fujimura, 73: 27-30, Jan. 1964
- Recommended Practice, Calibration of Densitometers Used for Black-and-White Photographic Density Measurement, RP15-1964, 73: 335, Apr. 1964
- Recommended Practice, Proposed, Calibration of Densitometer Used for Black-and-White Photographic Density Measurement, RP 15, 72: 625-626, Aug. 1963
- Recording densitometer, semiautomatic, analytical, White, 72: 798-803, Oct. 1963

Editing

(see also Laboratory Practice; Photographic Theory and Materials)

- Editing bench, industrial film production, Tressel and Andrews, 73: 959-960, Nov. 1964
- Editing machine, 16mm, design, Rigby, 73: 960-962, Nov. 1964
- Single-system production, technical film reports, Bohmer, 71: 929-930, Dec. 1962
- Speech therapy clinic sessions, filming, tape-to-film process, Schram, 73: 774, Sept. 1964
- Video tape, animation editing, Mantel, 73: 561-565,
 July 1964
- Video-tape splicing (technical note), Maurin, 74: 790, Sept. 1965

Education

- Academic training program, educational film production in, *Herrick*, 72: 292-293, Apr. 1963
- Air Force Systems Command, closed-circuit television, management aid, Farmer, 72: 148-149, Mar.
- Army personnel, training, motion pictures and television, *Gallez*, 72: 281-283, Apr. 1963
- Audio-visual devices, capabilities, needs, Flory, 72: 938-942, Dec. 1963
- Audio-visual materials, textbook correlated, Rosenberg, 72: 294-295, Apr. 1963
- Automated instruction, use of motion pictures, Persselin, 73: 755-760, Sept. 1964
- Bibliography, annotated, motion pictures, *Mac-*Cann, 72: 322-324, Apr. 1963
- Biomedical education, short films for self-instruction, McKim, West and Stickley, 74: 741-742, Sept. 1965
- Broadcasting, educational, television tape recording, application, scope, *Loper* and *Stucker*, 72: 151-153, Mar. 1963
- Brigham Young University, motion-picture studio, Stum and Goodman, 70: 165-168, Mar. 1961
- Camera tubes, studio use, appraisal for educators, Wentworth, 72: 153-157, Mar. 1963
- Central projection, educational films, *Bretz*, 72: 165-167, Mar. 1963
- Chemistry teaching, high-school, study film, Ridgway, 74: 866-868, Sept. 1965
- Definitions: photography, science, engineering, White, 72: 812, Oct. 1963
- Director-controlled TV, LASC, Loper, 72: 158-159, Mar. 1963
 Cinema education, history and future in the U.S.,
- Wagner, 71: 643-647, Sept. 1962

Educational facilities, systems engineering approach, Wentworth, 72: 659-663, Sept. 1963

Educational television production-director or instructor controlled, Loper and Bretz, 72: 158-160,

Educational television program production center, random access audio-video system, design factors, Cornberg, 72: 663-667, Sept. 1963

8mm, classroom film library: potentials and requirements, Knudsen, 70: 595-597, Aug. 1961

8mm, means for learning motion-picture production, Beeler, 71: 656-657, Sept. 1962

8mm sound, double-system, cinematography in education, Evans, 74: 753-754, Sept. 1965

8mm sound film, educator, Forsdale, 70: 593-595, Aug. 1961

8mm sound motion pictures, schools, Forsdale, 71: 658-659, Sept. 1962

Engineering courses, dual-monitor closed-circuit television, Blatherwick, 74: 745-748, Sept. 1965 Film and television education: convenience or necessity? Goggin, 71: 654-655, Sept. 1962

Film and television production, worldwide training, Williams, 72: 279, Apr. 1963

Film production, teaching in U.S. colleges and universities, Tyo, 71: 648-651, Sept. 1962

Heart sounds and murmers, motion-picture techniques for teaching, Leveridge, 74: 729-730, Sept.

Instructional facilities, systems, experimental, college teaching, institutional research, Gassman, Green and Millard, 72: 668-673, Sept. 1963

Instructional television materials, time compression,

method, *Loper*, **73**: 753-755, Sept. 1964
Instructor-controlled TV, UCLA, *Bretz*, **72**: 159-160, Mar. 1963

Language teaching machine, 8mm sound, self-contained, Schank, 72: 682-684, Sept. 1963

Living tissues, medical research and teaching, cinephotomicroscopy, Wood, 74: 737-740, Sept. 1965

Los Angeles and educational television, Blyth, 72: 145-147, Mar. 1963

Medical education, motion picture, a tool, Sturgis, 71: 734-737, Sept. 1962

Medicine, Education, Motion Pictures, Television (Introduction), Ray, 74: 729, Sept. 1965

Midwest program, airborne television instruction, MPATI Staff, 72: 175-176, Mar. 1963

Motion pictures and television education, Farmer, 71: 641, Sept. 1962

Motion-pictures and television education, discussion, 71: 647, 651, Sept. 1962

Motion-pictures for education-tied to amateur movies? Keith, 72: 677-678, Sept. 1963

Motion pictures and the university, Wagner, 72: 284-287, Apr. 1963

Motion pictures, television and education (intro.), Knudsen, 72: 279, Apr. 1963; 73: 753, Sept. 1964 Overhead television, Bretz, 72: 161-164, Mar. 1963

Photographers, high-speed, requirements for education, call for information, Max Beard, 70: 377-378, May 1961

Production Recording Techniques Survey, SMPTE lecture series, 71: 224, Mar. 1962

Single-concept film, aspects, applications, Knudsen, 72: 295-298, Apr. 1963

Single-concept film, educational, development in Great Britain, Happe, 72: 679-681, Sept. 1963

SMPTE Motion Picture Course, Univ. Southern Calif., 71: 710, Sept.; 468, June; 292, Apr. 1962

Teaching machines, challenging market, 8mm, Bayless and Bumpus, 71: 569-573, Aug. 1962

Teaching, training, silent/sound film, Palmer, 74: 749, Sept. 1965

Television and the university, Stanley, 72: 287-289, Apr. 1963

Television education, profile, U.S. colleges and universities, Goggin, 71: 652-654, Sept. 1962

Training motion-picture and television technicians, Frayne, 71: 641-642, Sept. 1962

University film production, pattern for, Weisgerber, 72: 290-291, Apr. 1963

University of Miami, visual communications center, new design, Beal, 72: 170-174, Mar. 1963

Unusual films, Bob Jones University, motion-picture production, Stenholm, 70: 160-165, Mar. 1961

Video film, defense communications, Steel, 72: 149-151, Mar. 1963

Video-tape recorder, mobile, instructional television,

6

Winslow, Isberg and Frye, 72: 168-170, Mar.

Education, **Industry News**

A column of brief items noting current events and activities. These are indexed each year in the Annual Indexes but are omitted from the Five-Year Indexes with the exception of the few items of likely interest to researchers which are indexed in the Five-Year Indexes under the appropriate subject headings.

Errata, Addenda and Lacunae

Automatic picture transmission TV camera system for meteorological satellites, Stampfl and Stroud (Feb. 1964, pp. 130-134) 73: 223, Mar. 1964

Electrical installation techniques for a large film production center, Mann and Leigh (Nov. 1963, 863-868) Addendum, 73: 223, Mar. 1964

Electronic Image Intensification: Image Intensifier Using Cathado-Conductivity, Chippendale and Folkes (July 1961, pp. 527-532), 70: 627, Aug.

Electron-Optical High-Speed Camera, Investigation, Transient Processes, Komelkov, Nesterikhin and Pergament (Apr. 1961, pp. 275-279) 70: 627, Aug. 1961

Engineering photography methods for the Titan II research and development flight program, Smith (Mar. 246-249), 74: 1029, Nov. 1965

(Re:) Errata in "A general survey of high-speed photographic techniques," *Jour. SMPTE*, 71: 915–920, Dec. 1962—Letter to the Editor, Lunn/Beckman, 72: 418, May 1963

Errata and Lacunae, 73: 668, Aug. 1964

(Re:) Errata in "Vidicon light-transfer characteristics and film reproduction," Jour. SMPTE, 70: 791-794, Oct. 1961-Letter to the Editor: Fukuda-Neuhauser, 72: 418, May 1963

Membership Directory (Apr. 1962, Part II), 71: 661,

Method of Analyzing High-Speed Films, Topfer (May 1961, pp. 374-376), 70: 627 Aug. 1961

Method of Producing Telecine Test Materials of Specified Density, Holmes (Sept. 1961, pp. 699-701), 70: 989, Dec. 1961

New York Section (Jan. 1961, p. 56), 70: 566, July 1961

Nontheatrical Films-Interim Report No. 2, Flory and Hope (Jan. 1961, pp. 68-72), 70: 450, June

Progress Report for 1960 (May 1961), 70: 627, Aug. 1961; for 1962 (May 1963), 72: 712, Sept. 1963; for 1963 (May 1964), 73: 495, June 1964; for 1964 (May 1965), 74: 1029, Nov. 1965

Section Reports (Oct., p. 802), 71: 880, Nov. 1962 SMPTE Elections (Nov. 1961, pp. 920-922), 70: 989, Dec. 1961

VKF-UVOJM High-Speed Framing Camera, Hampl (June 1961, pp. 443-447), 70: 627, Aug.

Film

CLEANING

American Standard, Proposed, PH22.145, Dimensions for 65mm Motion-Picture Film, KS-1866, PH22.145, 73: 891, Oct. 1964

cleaner/waxer, automatic, combined 35mm/16mm, Rigby, 73: 865-866, Oct. 1964

8MM AND SMALL FORMAT

American Standard, Dimensions for 16mm Motion-Picture, Perforated 8mm, 2R-1500, PH22.17-1965, 74: 429, May 1965

American Standard, Dimensions of Magnetic Striping of 8mm Motion-Picture Film, Perforated 1R-1500, PH22.88-1963, 72: 493, June 1963

American Standard, Magnetic Sound Record on 8mm Motion-Picture Eilm, Perforated 1R-1500, PH22.135-1962, 71: 859, Nov. 1962

American Standard, Specifications for Length of Film on 8mm Motion-Picture Camera Spool (25-

ft capacity), PH22.143-1965, 74: 429, May 1965 American Standard, Specifications for Camera Usage of Double Width 8mm Motion-Picture Film Perforated Two Edges, PH22.21-1964, 73: 1046. Dec. 1964

American Standard, Specifications for Projection Usage of 8mm Motion-Picture Film Perforated One Edge, PH22.22-1964, 73: 1047, Dec. 1964

American Standard, Proposed, Camera Usage of Double Width 8mm Motion-Picture Film, Perforated 2R-1500, PH22.21, 72: 36, Jan. 1963

American Standard, Proposed, Dimensions of 8mm Motion-Picture Camera Image, PH22.19, 72: 35, Jan. 1963

American Standard, Proposed, Dimensions of 8mm Motion-Picture Projected Image, PH22,20, 73: 669, Aug. 1964 American Standard, Proposed, 8mm Multifre-

quency Test Film, Magnetic Type, Perforated 1R-1500, PH22.131, 70: 833, Oct. 1961

American Standard, Proposed, Film Spools for 8mm Motion-Picture Cameras, PH22.107, 70: 989, Dec. 1961

American Standard, Proposed, Magnetic Sound Record on 8mm Motion-Picture Film, Perforated 1R-1500, PH22.135, 70: 989, Dec. 1961

American Standard, Proposed, Projector Usage of 8mm Motion-Picture Film, Perforated 1R-1500, PH22.22, 72: 36, Jan. 1963

American Standard, Proposed, 16mm Motion-Picture Film, Perforated 8mm, 2R-1500, PH22.17, 71: 594, Aug. 1962

Color print quality, 8mm sound, Staud and Hanson, 71: 557–559, Aug. 1962

Willard Beach Cook, narrow-gage safety films, pioneer distributor, Kruse, 73: 576-580, July 1964

Double 8 film, single row of perforations, proposal, Saint-Hilaire and L. Martin, 72: 85-86, Feb. 1963

Eastman color print film, type 5385, performance, photographic soundtracks, 8mm, special reference, Finkle and Streiffert, 73: 936-938, Nov. 1964

Educational television, 8mm film system, Stillman and Burgess, 74: 750-753, Sept. 1965

(Re:) 8mm and small-format film, Vivié/Carroll, 72: 412, May 1963 (also, "Note concerning a method for designing the dimensions of a smallformat sound film, Vivie, pp. 676-677, Sept. 1962)

8mm classroom film library: potentials and requirements, Knudsen, 70: 595-597, Aug. 1961

8mm commercial prints, economical, Graham and Stockdale, 73: 934-936, Nov. 1964

8mm film, commercial application (a digest), Stanwix, 71: 574, Aug. 1962

8mm magnetic sound standards, methods of test film production, progress report, D'Arcy, 71: 105-108, Feb. 1962

8mm, new small-format film systems, White, 71: 555, Aug. 1962

8mm performance, lesson from history, Offenhauser, 71: 556, Aug. 1962

8mm prints, Technicolor, Pohl, 70: 606-607, Aug. 1961

8mm, small format film systems, discussions, 71: 560-562, Aug. 1962

8mm sound, distribution bottleneck, Campbell, 71: 573-574, Aug. 1962 8mm sound, double-system, cinematography in edu-

cation, Evans, 74: 753-754, Sept. 1965 8mm sound film, challenge, Flory, 70: 581-585, Aug. 1961

8mm sound film, educator, Forsdale, 70: 593-595, Aug. 1961

8 mm sound film, news medium for TV, Rawls, 71:

575-577, Aug. 1962 8mm sound film system, proposed, Maurer, 71:

563-566, Aug. 1962 8mm sound prints, commercial use, report, Branch.

72: 324-326, Apr. 1963

8mm systems, sharpness calculations, Pinney, 73: 929-931, Nov. 1964

Magnetic striping, precision, 8mm film, Kolb, Lovick, Peer and Weigel, 70: 611-617, Aug. 1961 16mm/8mm, proposal. Nontheatrical leader, Probst. 72: 946-947, Dec. 1963

Production, motion-picture, 8mm means for learning, Beeler, 71: 656-657, Sept. 1962

Schools make 8mm sound motion pictures, Forsdale, 71: 658-659, Sept. 1962

- 16mm film, horizontal projection, two tracks halfsize 16mm pictures, optical sound, Neyman and White, 72: 82-84, Feb. 1963
- 16mm, nonstandard use to meet 8mm print cost challenge, Mengeringhausen and Witherell, Jr.,
 71: 566-568, Aug. 1962
- Small-format films, American Standards, White, 73: 580-581, July 1964
- Small-format films, facts and factors, D'Arcy, 72: 673-676, Sept. 1963
- Small-format sound film, method for designing dimensions, Vivie, 72: 676-677, Sept. 1963
- Split 16mm film, case for, White and Brown, 71: 624-626, Aug. 1962
- Teaching machines, challenging market, 8mm, Bayless and Bumpus, 71: 569-573, Aug. 1962
- Variable-area sound motion pictures, 8mm. Pt. 1. Audio-visual revolution, key, Willard, 73: 546, July 1964
- Variable-area sound motion pictures, 8mm. Pt. 2. Recording, Kuehn, 73: 547, July 1964
- Workshop, teachers, experimental film production, 8mm, Wise, 73: 773-774, Sept. 1964
- Sound-print quality, 8mm, format factors, Edwards and Chandler, 73: 537-543, July 1964

GENERAL

- American Standard, Dimensions for 16mm Motion-Picture, Perforated 8mm, 2R-1500, PH22.17-1965, 74: 429, May 1965
- American Standard, Dimensions for 70mm Motion-Picture Film, Perforated 65mm, KS-1870, PH22.119-1961, **70:** 190, Mar. 1961
- American Standard, Dimensions for 16mm Motion-Picture Film, 1R-3000, PH22.12-1964, 74: 125, Feb. 1965
- American Standard, Dimensions for 16mm Motion-Picture Film, 1R-2994, PH22.109-1965, 74: 938, Oct. 1965
- American Standard, PH22.5-1964, Dimensions for 16mm Motion-Picture Film, 2R-3000, PH22.5-1964, 74: 125, Feb. 1965
- American Standard, Dimensions for 16mm Motion-Picture Film, 2R-2994, PH22.110-1965, 74: 938, Oct. 1965
- American Standard, Dimensions for 65mm Motion-Picture Film, KS-1870, PH22.118-1961, 70: 189, Mar. 1961
- American Standard, Dimensions for 65mm Motion-Picture Film, KS-1866, PH22.145-1965, 74: 938, Oct. 1965
- American Standard, Dimensions for 35mm Motion-Picture Film, BH 1870, PH22.34-1964, 73: 1050, Dec. 1964
- American Standard, Dimensions for 35mm Motion-Picture Film, BH 1866, PH22.93-1964, 73: 1052, Dec. 1964
- American Standard, Dimensions for 35mm Motion-Picture Film, CS 1870, PH22.102-1964, 73: 1053, Dec. 1964
- American Standard, Dimensions for 35mm Motion-Picture Film, DB 1870, PH22.1-1964, 73: 1046, Dec. 1964
- American Standard, Dimensions for 35mm Motion-Picture Film, KS 1870, PH22.36-1964, 73: 1051, Dec. 1964
- American Standard, Dimensions for 35mm Motion-Picture Film, KS 1866, PH22.139-1964, 73: 1048, Dec. 1964
- American Standard, Proposed, Dimensions for 35mm Motion-Picture Film, Perforated 32mm, 2R-2994, PH22.73, 74: 257, Mar. 1965
- American Standard, Dimensions for 35mm Motion-Picture Film, Perforated 32mm, 2R-3000, PH22.138-1964, 74: 125, Feb. 1965
- American Standard, Dimensions for 32mm Motion-Picture Film, 2R-3000, PH22.71-1965, 74: 529, June 1965
- A merican Standard, Dimensions for 32mm Motion-Picture Film, 4R-2994, PH22.142-1965, 74: 529, June 1965
- American Standard, Dimensions for 32mm Motion-Picture Film, 2R-2994, PH22.141-1965, 74: 529, June 1962
- American Standard, Dimensions for 32mm Motion-Picture Film, 2R-2994, PH22.72-1965, 74: 529, lune, 1065
- American Standard, Dimensions of Raw Stock

- Cores for 16mm Motion-Picture Film, PH22.38-1964, 73: 217, Mar. 1964
- American Standard, Dimensions of Raw Stock Cores for 35mm Motion-Picture Film, PH22.37-1963, 73: 24, Jan. 1964
- American Standard, Dimensions of 35mm Motion-Picture Reels, PH22.4-1965, 74: 684, Aug. 1965
- American Standard, Nomenclature for Motion-Picture Film Used in Studios and Processing Laboratories, PH22.56-1961, 70: 537-540, July 1961
- American Standard, Nomenclature for Motion-Picture Film Used in Studios and Processing Laboratories (Sections 5-7), PH22.56a-1964, 73: 219, Mar. 1964
- American Standard, Dimensions of Magnetic Striping of 16mm Motion-Picture Film, Perforated 8mm, 2R-1500, PH22.136-1963, 72: 493, June 1963
- American Standard, Dimensions of Transverse Cemented Splices on 16mm and 8mm Motion-Picture Film, Laboratory Type, PH22.77-1965, 74: 1109, Dec. 1965
- American Standard, Dimensions of Transverse Cemented Splices on 16mm and 8mm Motion-Picture Film, Projection Type, PH22.24-1965, 74: 1109, Dec. 1965
- American Standard, Proposed, Dimensions for Raw Stock Cores for 35mm Motion-Picture Film, Revision of PH22.37-1944, 70: 533-534, July 1961
- American Standard, Proposed, Dimensions for 16mm Motion-Picture Film, 1R-2994, PH22.109, 73: 889, Oct. 1964
- American Standard, Proposed, Dimensions for 16mm Motion-Picture Film, 2R-2994, PH22.110, 73: 890, Oct. 1964
- American Standard, Proposed, Dimensions for 35mm Motion-Picture Film, DH-1870, PH22.1, 71: 674, Sept. 1962
- 71: 674, Sept. 1962 American Standard, Proposed, Dimensions for 35mm Motion-Picture Film KS-1866, PH22.139, 71: 677, Sept. 1962
- American Standard, Proposed, Dimensions for 32mm Motion-Picture Film, 2R-3000, PH22.71, 72: 706, Sept. 1963
- American Standard, Proposed, Dimensions for 32mm Motion-Picture Film, 4R-2994, PH22.142, 72: 708, Sept. 1963
- American Standard, Proposed, Dimensions for 32mm Motion-Picture Film, 2R-2994, PH22.141, 72: 708, Sept. 1963
- American Standard, Proposed, Dimensions for 32mm Motion-Picture Film, 4R-3000, PH22.72, 72: 706, Sept. 1963
- American Standard, Proposed, Camera Usage of 16mm Motion-Picture Film Perforated Two Edges, PH22.9, 73: 802, Sept. 1964
- American Standard, Proposed, Dimensions of 16mm Motion-Picture Camera Image, PH22.7, 72: 34, Jan. 1963
- American Standard, Proposed, Dimensions of 16mm Motion-Picture Projected Image Area, PH22.8, 73: 1044, Dec. 1964
- American Standard, Proposed, Magnetic Coating of 16mm Motion-Picture Film, Perforated 2R-3000, 71: 188. Mar. 1962
- American Standard, Proposed, Method for Determining Speed of Reversal Color Films Intended for Camera Use and Direct Projection in Motion-Picture Photography, PH22.146, 73: 1045, Dec. 1964
- American Standard, Proposed, Nomenclature for Motion-Picture Film Used in Studios and Processing Laboratories, PH22.56a, 71: 941, Dec. 1962
- American Standard, Proposed, Raw Stock Cores for 16mm Motion-Picture Film, PH22.38, 71: 941, Dec. 1962
- American Standard, Proposed, 16mm Motion-Picture Film, 1R-3000, PH22.12, 71: 594, Aug. 1962
- American Standard, Proposed, 16mm Motion-Picture Film, 2R-3000, PH22.5, 71: 593, Aug. 1962
- American Standard, Proposed, Specifications for Leaders and Cue Marks for 35mm and 16mm Sound Motion-Picture Release Prints, PH22.55, 74: 35-39, Jan. 1965
- American Standard, Proposed, Specifications for

- Location and Spacing of Edge Numbers on Motion-Picture Film, PH22.83, 73: 1045, Dec. 1964
- American Standard, PH22.34, Proposed, 35mm Motion-Picture Film, BH-1870, PH22.34, 72: 110, Feb. 1963
- American Standard, Proposed, 35mm Motion-Picture Film, CS-1870, PH22.102, 72: 111, Feb. 1963
- American Standard, Proposed, 35mm, Motion-Picture Film, Perforated 32mm, 2R-3000, PH-22.138, 71: 592, Aug. 1962
- American Standard, Revision of PH22.37-1944, Proposed, Dimensions for Raw Stock for 35mm Motion-Picture Film, 70: 533, July 1961
- American Standard, Specifications for Camera Usage of 16mm Motion-Picture Film Perforated One Edge, PH22.15-1964, 74: 125, Feb. 1965
- American Standard, Specifications for Camera Usage of 16mm Motion-Picture Film, Perforated Two Edges, PH22.9-1965, 74: 685, Aug. 1965
- American Standard, Specifications for Length of Film on 8mm Motion-Picture Camera Spool (25ft capacity), PH22.143-1965, 74: 429, May 1965
- American Standard, Specifications for Location and Spacing of Edge Numbers on 16mm Motion-Picture Film, PH22.83-1965, 74: 1109, Dec. 1965
- American Standard, Specifications for Projector Usage of 16mm Motion-Picture Film Perforated Two Edges, PH22.10-1964, 73: 1047, Dec. 1964
- Colonial Williamsburg Theaters: Planning for the film presentation, Smith, 70: 677-679, Sept. 1961
- Color film dye stability, factors affecting, related printing problems, release print quality, *Gale* and *Williams*. 72: 804-809, Oct. 1963
- Color film soundtracks, survey, Color Committee, 71: 591, Aug. 1962
- Color map transparencies, radar trainers, use of color film, Griffith, 73: 849-853, Oct. 1964
- 8mm prints, commercial systems, Keene and Clifford, 71: 447-449, June 1962
- Film, higher speed color print, Kisner, 71: 779-781, Oct. 1962
- Film, doomsday, motion-picture archives, crisis, Flory, 72: 410-412, May 1963
- Film-handling system, new, Gross, 74: 788-789, Sept. 1965
- Film, motion-picture, size, dimensional characteristics, Miller and Robertson, 74: 3-11, Jan. 1965
- Films and frames, dimensions, common motionpicture systems (abridged translation), Goldovskii, 73: 544-545, July 1964
- Gevacolor positive film type 953, Meeussen, 73: 18-21, Jan. 1964
- ISO Recommendations R 162, Location of Recording Heads for Three Magnetic Sound Records on 35mm Film and One Magnetic Sound Record on 17.5mm Film, 70: 44, Jan. 1961
- ISO Recommendations R 163, Magnetic Striping of 16mm Film Perforated Along Both Edges, 70: 44, Jan. 1961
- Lenticular plate multiple picture shadowgraph recording, Courtney-Pratt, 70: 710-715, Sept. 1961

 Lubrication, motion-picture film Kolh and Weigel
- Lubrication, motion-picture film, Kolb and Weigel, 74: 297-307, Apr. 1965
- Magnetic-striped release prints, high-speed inspection, Kleinerman, 70: 600-602, Aug. 1961
- Negative film, color, better picture quality, Kisner, 71: 776-779, Oct. 1962
- Night photography, simulated, using color reversal films, *Keene*, **70**: 795-798, Oct. 1961
- Print film, heat-developable (Metro-Kalvar), Bacon and Lindemeyer, 73: 213-215, Mar. 1964
- Progress in cinematographic materials, Staud, 70: 1019-1020, Dec. 1961
- Projection performance, 35mm motion-picture film, effect of winding, *Preo* and *Yavitz*, 74: 521-525, June 1965
- Rapid processing, panchromatic negative film, viscous monobath, *Barnes, Bahler* and *Johnston*, 74: 242-245, Mar. 1965
- Reversal print material, color production system, Thomas, Rees and Lovick, 74: 671-675, Aug. 1965
- Single-concept film, aspects and applications, *Knudsen*, **72**: 295–298, Apr. 1963
- Splicing, ultrasonic, polyethylene terephthalate films, Alles, 70: 976-978, Dec. 1961
- Surface characteristics, color negative film, picture quality, Zwick, 71: 15-20, Jan. 1962

- Telecine test materials, specified density, method of producing, *Holmes*, 70: 699-701, Sept. 1961 (see Errata, p. 989, Dec. 1961)
- Television film exposure, monochrome, speed indexing, factors affecting, *Wright*, 73: 305-313, Apr. 1964
- Vesicular photography, Nieset and Notley, 74: 786-788, Sept. 1965

TEST

- American Standard, Buzz-Track Test Film for 35mm Motion-Picture Sound Reproducers, Photographic Type, PH22.68-1962, 71: 372, May 1962
- American Standard, Dimensions and Optical Specifications of Test Slides and Transparencies for Television, PH22.144-1965, 74: 429, May 1965
- American Standard, 8mm Multifrequency Test Film, Perforated IR-1500, Magnetic Type, PH22.131-1962, 71: 858, Nov. 1962
- American Standard, 8mm 400-Cycle Signal Level Test Film, Perforated 1R-1500, Magnetic Type, PH22.130-1962, 71: 857, Nov. 1962
- American Standard, 8mm Azimuth Test Film, Perforated 1R-1500, Magnetic Type, PH22.129-1962, 71: 856, Nov. 1962
- American Standard, 8mm Flutter Test Film, Perforated 1R-1500, Magnetic Type, PH22-128-1962, 71: 855, Nov. 1962
- American Standard, 35mm Photographic Sound Motion-Picture Film Usage in Camera, PH22.2-1961, 70: 912, Nov. 1961
- American Standard, Proposed, Dimensions and Optical Specifications of Test Slides and Transparencies for Television, PH22.144, 73: 338, Apr. 1964
- American Standard, Proposed, 8mm Multifrequency Test Film, Magnetic Type, Perforated IR-1500, PH22.131, 70: 833, Oct. 1961
- American Standard, Proposed, 16mm 400-Cycle Signal Level Test Film, Magnetic Type, perforated 1R-3000, PH22.132, 70: 910-911, Nov. 1961
- American Standard, 16mm 400-Cycle Signal-Level Test Film, Photographic Type, PH22.45-1962, 71: 859, Nov. 1962
- American Standard, Proposed, 7-kc Sound Focusing Test Film for 35mm Motion-Picture Sound Reproducers, PH22.61, 71: 187, Mar. 1962
- American Standard, Proposed, 16mm Buzz-Track Test Film, Photographic Type, PH22.57, 71: 187, Mar. 1962
- American Standard, Proposed, Specifications for Scanning-Beam Uniformity Test Film for 16mm Motion-Picture Sound Reproducers, PH22.80, 74: 796, Sept. 1965
- American Standard, Specifications for 16mm Multifrequency Test Film, Perforated One Edge, Magnetic Type, PH22.140-1965, 74: 429, May 1965
- American Standard, Proposed, Specifications of 16mm Multifrequency Test Film, Perforated 1R-3000, Magnetic Tape, PH22.140, 72: 710, Sept. 1963
- American Standard, Proposed, Specifications for 16mm 3,000-Cycle Flutter Test Film, Magnetic Type, PH22.113, 74: 796, Sept. 1965
- American Standard, Proposed, 35mm 3-Track Flutter Test Film, Magnetic Type, PH22.98, 71: 374-375, May 1962
- American Standard, 16mm Multi-Azimuth Test Film, Magnetic Type, PH22.126-1961, 70: 913, Nov. 1960
- American Standard, 16mm Sound-Focusing Test Films, Photographic Type, PH22.42-1962, 71: 372. May 1962
- American Standard, Specifications of 8mm Magnetic Sound Reproducing Characteristic, PH22.134-1963, 72: 561, July 1963
- American Standard, Specifications of 7-ke Sound-Focusing Test Film for 35mm Motion-Picture Sound Reproducers, PH22.61-1963, 72: 561, July 1963
- American Standard, Specifications of 16mm Buzz-Track Test Film, Photographic Type, PH22.57-1963, 72: 493, June 1963
- American Standard, Specifications for 16mm Multifrequency Test Film, Photographic Type, PH22.44-1963, 72: 112, Feb. 1963
- American Standard, Specifications for 35mm 3-

Я

- Track Flutter Test Film, Magnetic Type, PH22.98-1963, 72: 817, Oct. 1963
- American Standard, 16mm 3000-Cycle Flutter Test Film, Photographic Type, PH22.43-1961, 70: 535, July 1961
- Recommended Practice RP 18-1964: Test Film for Checking 16mm Motion Picture Photographic Sound Projectors, 73: 967, Nov.; (Proposed), 337, Apr. 1964
- Recommended Practice, Specifications for 8mm Registration Test Film, RP 19, 74: 529, June 1965
- Recommended Practice, Specifications for 16mm Registration Test, RP 20, 74: 529, June 1965
- Test Films, SMPTE, 71: 800, Oct.; 466, June; 224, Mar. 1962; 72: 742, Sept.; 910, Nov. 1963
- Universal leader, release prints, SMPTE, Olding, 74: 34-35, Jan. 1965

WEAR

Projection performance, 35mm motion-picture film, effect of winding, *Preo* and *Yavitz*, 74: 521-525, June 1965

General

- American Standard, Proposed, Nomenclature for Motion-Picture Film Used in Studios and Processing Laboratories, PH22.56a, 71: 941, Dec. 1962
- American Standard, PH22.56a-1964, Nomenclature for Motion-Picture Film Used in Studios and Processing Laboratories (Sections 5-7), 73: 219, Mar. 1964
- Authors of SMPTE papers, information for, *Plakun*, 70: 983-988, Dec. 1961
- Bell system ride, problems, solutions, motionpicture, sound, Mintz, 74: 681-684, Aug. 1965
- Canada's National Film Board (revised reprint), Graham, 74: 689-691, Aug. 1965
- Definitions: photography, science, engineering, White, 72: 812, Oct. 1963
- Leningrad Ciné-Engineers Institute, development of scientific investigations, Mankovskii and Provornov (trans. Fulford), 74: 440-452, May 1965
- Magnetic tapes, technique for examination of contact area, Streiffert, 74: 678-680, Aug. 1965
- Meeussen, Louis A., papers committee national chairman from Belgium, 74: 527-528, June 1965
- Moscow, comments on motion-picture industry, White, 72: 957-958, Dec. 1963
- Motion-picture equipment, Japan, Shimasaki, 70: 412-413, May 1961
- (Re:) Nomenclature—Dispersion, (letter to the Editor), Jacobs, 74: 253, Mar. 1965
- Naval Photographic Center: two decades, 72: 426-428, May 1963
- Patent Office, new classification, optics, motion pictures, 73: 906, Oct. 1964
- Progress Committee report, 1960, Calhoun, 70: 323-374, May 1961 (see Errata, p. 627, Aug. 1961)
- Progress Committee report, 1961, Calhoun, 71: 315-368, May 1962
- Progress Committee report, 1962, Calhoun, 72: 359-406, May 1963 (Errata and Lacunae, p. 712, Sept. 1963)
- Progress committee report, 1963, Putman, 73: 359-410, May 1964
- Progress committee report, 1964, *Putman*, 74: 377-427, May 1965 (see Errata, p. 1029, Nov. 1965)
- Single-system production, technical film reports, Bohmer, 71: 929-930, Dec. 1962
- SMPTE Past-President, message, Ray, 74: 1, Jan.
- SMPTE President's message, *Ray*, 73: 1-2, Jan. 1964; 72: 73-74, Feb. 1963
- SMPTE President's message, Stifle, 74: 2, Jan. 1965
- Split-frame technique, use in motion-picture investigations, *Zwick* and *Osborne*, 71: 931-932, Dec. 1962
- Steelmaking research, fluid-flow models, motion pictures, *Griffiths* and *Morgan*, 74: 907-910, Oct. 1965
- Soviet cine specialists, visit USA motion-picture plants, *Rudakov, Bongard* and *Trofimova* (trans. *White*), 74: 562-564, June 1965

- Joseph A. Tanney: testimonial luncheon, 72: 428, May 1963
- USSR, cinematography, Komar, 73: 196-201, Mar.
- USSR, cinematography, future, Komar, Chernov. and (trans.) Fulford, 74: 254-257, Mar. 1965

High-Speed Photography and Instrumentation

CAMERAS

- Astracon tube, application, high-speed photography, Anderson, Goetz and Kanter, 70: 440-442, June 1961
- Ballistic camera systems, Atlantic Missile Range, Glei. 71: 823-827. Nov. 1962
- Camera mount, programed mirror rotation, missile tracking, *Davidson*, 73: 9-11, Jan. 1964
- Camera survey, high-speed, Fatora, 74: 911-915, Oct. 1965
- Camera timing marker, dual spark, neon light sources, *Hiller* and *Dearing*, 74: 897-901, Oct. 1965
- Core camera: continuous receptivity—one rotating element, Whyte, 70: 111-113, Feb. 1961
- Electron-optical high-speed camera, investigation, transient processes, *Komelkov, Nesterikhin* and *Pergament*, 70: 275-279, Apr. 1961 (see Errata, p. 627, Aug. 1961)
- Fiber optics camera, x-ray picture sequences, Courtney-Pratt, McLaughlin, Schramm and Alberti, 71: 585-590, Aug. 1962
- Framing camera, Kerr-cell, Hauser, Marlow, Quan, Silver and Button, 71: 440-443, June 1962
- Framing camera, ultra-high-speed, combining rotating mirror with film drum, *Uyemura*, 70: 280-283, Apr. 1961
- Framing camera, Type C5 rotating mirror, applications, Coleman and Skinner, 70: 512-514, July 1961
- Framing camera, VFK-UVOJM, *Hampl*, 70: 443-447, June 1961 (see Errata p. 627, Aug. 1961)
- Gas maser, intracavity-modulated, photographic studies of light output, *Hargrove* and *Courtney-Pratt*, 74: 1085-1095, Dec. 1965
- Image-converter systems, fast image group repetition rates, King and Hett, 70: 270-274, Apr. 1961
- Image dissection camera, continuous access, Provornov, Grebennikov, Gusev and Pertsev, 71: 86-89, Feb. 1962
- Image-intensifier systems, photography, single photons, microsecond time resolution, *Perl* and *Jones*,70: 704-709, Sept. 1961
- Imaging technique, precision range-gated, Neumann, 74: 313-319, Apr. 1965
- Kerr-cell camera, synchronized light source, millimicrosecond reflected light photography, Theophanis, 70: 522-527, July 1961
- Lunar orbiter, visual instrumentation system, Bingley, 74: 84-89, Feb. 1965
- Mars spacecraft photographic system, Allen, 74: 497-500, June 1965
- Measurement system, optical velocity, *Blizard*, 71: 925-926, Dec. 1962
- Photoelectronic shutter tube, development, *Mandel*, 70: 716-719, Sept. 1961
- 70: 716-719, Sept. 1961 Photographic instrumentation, reentry measure-
- ments, *Planet*, 74: 95-98, Feb. 1965 Photo-tape frame-camera system, experimental, *Poch*, 74: 18-25, Jan. 1965
- Plasma physics, Kerr-cell photography, Leonard and Turner, 71: 501-504, July 1962
- Rotating-mirror framing cameras, frame edge, internal reference line, Wunsch and Guenther, 74: 995-999, Nov. 1965
- Rotating prism cameras, picture jump, weave, Waddell, 73: 648-650, Aug. 1964
- Sensitivity, image-orthicon tubes: letter to the editor, Shadle, 71: 771, Oct. 1962
- SMPTE Recommended Practice Reaffirmed: Lens Mount Surface for High-Speed Motion-Picture Cameras, RP 3, 73: 805, Sept. 1964
- SMPTE Recommended Practice, A Photographic Recording Technique for Measuring High-Speed Camera Image Unsteadiness, RP 17-1964, 73: 417, May 1964 (Proposed, p. 25, Jan. 1964)
- Steelmaking research, fluid-flow models, motion

- pictures, Griffiths and Morgan, 74: 907-910, Oct.
- Streak camera, f/1, for spark studies, ultraviolet, visible, Dyson, Hemmings and Waters, 70: 725-730, Sept. 1961
- Streak and framing camera, simultaneous-writing, Teeple, 70: 969-971, Dec. 1961
- Sweeping-image camera, f/10, improved for explosive research, Brixner, 70: 180-188, Mar. 1961 Timing-light generator, coded, accurate, Boy de la Tour. 74: 328-331, Apr. 1965
- Undersea instrumentation, photographic, video documentation, Selvidio, 74: 324-328, Apr. 1965
- Xenon flashtubes, light source, color, black-andwhite scene tester, Hauge, Reichard and Sokolow, 73: 866-869, Oct. 1964
- X-ray cinematography, high-speed, Courtney-Pratt, 70: 637-642, Aug. 1961

GENERAL

- Aerodynamic testing, low-density, hypersonic, double knife-edge technique for improved schlieren sensitivity, Stolzenburg, 74: 654-659, Aug. 1965
- Aerospace photography, three R's, Probst, 72: 326-329, Apr. 1963
- Aircraft, simulating moving perspective view, Carey, 73: 854-857, Oct. 1964
- Analyzing high-speed films, method, Topfer, 70: 374-376, May 1961 (see Errata, p. 627, Aug. 1961)
- Chip formation in metal cutting, study, Kuebler, 74: 905-906, Oct. 1965
- Electronic image intensification: image intensifier using cathodo-conductivity, Chippendale and Folkes, 70: 527-532, July 1961 (see Errata, p. 627, Aug. 1961)
- (Re:) Errata in "A general survey of high-speed photographic techniques" (Lunn, Dec. 1962, pp. 915-920): letter to the editor, Lunn/Beckman, 72: 418. May 1963
- Explosion hydrodynamics problems, cinematic display, numerical solutions, Drimmer, Solem and Sternberg, 70: 803-805, Oct. 1961
- Fiber optics in ultra-high-speed photography, Kapany, 71: 75-81, Feb. 1962
- Focal plane shutter framing camera, High-speed, Jacobs, McLanahan and Whitman, 72: 923-926. Dec. 1963
- Focal plane shutter camera, applications to explosives research, Liddiard, Drimmer and Jacobs, 72: 927-930, Dec. 1963
- High-frequency high-voltage sparks, high-speed photography of rapid air currents, Früngel, Thorwart and Patzke, 71: 178-182, Mar. 1962
- High-speed photography, fast-opening, large-aperture shutter, Cassidy and Tsai, 72: 531-533, July
- Image converter, three-stage, with mismatched storage lines, Simonov and Kutukov, 71: 25-28, Jan.
- Image converter tube photography, Courtney-Pratt, 71: 271-277, Apr. 1962
- Image dissection, high-speed photography, bibliography, Courtney-Pratt, 72: 876-878, Nov. 1963 Image intensifier, flash radiography, application, Thomer and Schall, 70: 20-22, Jan. 1961
- Image intensifier systems, very-high-gain, photography, single photons, microsecond time resolution,
- Perl and Jones, 70: 704-709, Sept. 1961 Lenticular plate multiple picture shadowgraph recording, Courtney-Pratt, 70: 710-715, Sept. 1961 Light sources, comments, Edgerton, 72: 541, July 1963
- Liquid/solid impact, high-speed photography, Brunton, 71: 173-177, Mar. 1962
- Masks to pack circles densely, Gilbert, 72: 606-608, Aug. 1963
- Masticating cycle, motion pictures, Hickey, Woelfel and Friend, 71: 626-628, Aug. 1962
- Mirror, rotating rectangular, stresses and deformations, Stevens and Miller, 73: 1032-1036, Dec.
- Multiple Kerr-cell system, square shuttering characteristic, Liebing and Früngel, 71: 29-31, Jan. 1962 Optical masers, photographic studies, Pavliscak, 73:
- 206-212, Mar. 1964 Optical tracking methods and instrumentation: research and development at BRL, Reuyl and Carrion, 71: 505-508, July 1962

- Philosophical aspects, high-speed photographic instrumentation, Sultanoff, 70: 1-6, Jan. 1961
- Photographic triangulation, use in determining positions of objects, large-scale experiments, Phillips, 72: 869-871, Nov. 1963
- Photographer, high-speed, requirements for education, call for information, Beard, 70: 377-378, May 1961
- Photoinstrumentation, glossary of terms, Hyzer, 73: 36, Jan. 1964
- Photooptical instrumentation, medicine, Rehman, 73: 635-642, Aug. 1964
- Radiography, thirty-nanosecond, Dyke, Grundhauser, Collins and Stunkard, 71: 82-85, Feb. 1962
- Ruby lasers, photographic studies of mode and polarization phenomena, Stickley, Lipke and Healey, 72: 534-536, July 1963
- Sensitivity, photographic systems, Perrin, 70: 515-521, July 1961
- Shock waves, explosions, cameras, techniques, Drimmer, 72: 541-547, July 1963
- Smear-camera techniques, Liddiard and Drimmer, 70: 106-110, Feb. 1961 Speech, sound analysis, simultaneous x-ray motion
- pictures of the pharynx, Cline, 74: 105-107, Feb.
- Stress-wave propagation, analysis, photoviscoelastic techniques, Ferguson, 73: 782-787, Sept. 1964
- Synchronous remote-controlled photography, versatile technique, Van Luvanee, 74: 999-1001, Nov.
- Television, high-sensitivity, aid to low-light-level photographic recording, Bang, 70: 719-724, Sept. 1961
- Titan II, flight program, engineering photography, Smith, 74: 246-249, Mar. 1965 (see Errata, p. 1029, Nov. 1965)
- Velocity of high-speed objects, new techniques for measuring, Atkins and Hall, 70: 634-636, Aug.
- Wind tunnel, hypersonic, high-speed photoinstrumentation for, Leighton, 73: 650-653, Aug. 1964

INTERNATIONAL CONGRESSES

- Sixth International Congress, Announcements, 70: 448, June; 915, Nov.; 1021, Dec. 1961; 71: 376, May; 113, Feb.; 38, Jan. 1962
- Sixth Congress on High-Speed Photography, review, Beard, 72: 536-538, July 1963
- Sixth Congress Proceedings Contents, 72: 539-540,
- 7th International Congress on High-Speed Photography, 73: 341, Apr.; 806, Sept.; 1074, Dec. 1964; 74: 439, May; 693, Aug. 1965

LIGHTING

- Camera timing marker, dual spark, neon light sources, Hiller and Dearing, 74: 897-901, Oct.
- Flash x-ray discharge, pinch phenomena, Händel, 73: 320-324, Apr. 1964
- Flash, high-explosive, photography by Schardin system, Deffet and Berghe, 70: 283-287, Apr. 1961
- Flashtubes, parameters, physical and technical, Marshak and Shchoukin, 70: 169-176, Mar. 1961
- Flash sources submicrosecond, Edgerton, Tredwell and Cooper, 70: 177-180, Mar. 1961
- Flash x-ray system for high-speed radiographs, fiftymillimicrosecond, Grundhauser, Dyke and Bennett, 70: 435-439, June 1961
- Flash x-ray tubes, theory of operation, McVeagh, 70: 10-17, Jan. 1961
- High-frequency spark source, Kerr cell combination,
- Früngel, 71: 93-94, Feb. 1962 High-intensity, fractional-microsecond light sources,
- Nolan, 70: 632-633, Aug. 1961 Luminosity factors, explosive flashbomb, Oakley
- and Hanson, 71: 920-925, Dec. 1962 Magnetic switching, high power xenon flashes, con-
- trol, Beeson, 70: 101-105, Feb. 1961 Optical masers in photography, uses, Courtney-Prati, 70: 509-511, July 1961
- Schlieren, shadowgram photography, 30-nanosec, low energy, explosive light source, Liddiard, Jacobs and Kabik, 74: 90-94, Oct. 1965
- Xenon flashlamps, holdover, Edgerton and Cahlander. 70: 7-9, Jan. 1961
- Xenon flashtubes, physical characteristics, Barnes, 73: 569-573, July 1964

- X-ray flash cinematography, high-speed, small objects, Früngel, Alberti and Thorwart, 71: 91-93. Feb 1962
- X-ray flash cinematography, 12,000 images/s, Stenzel and Thomer, 70: 18-20, Jan. 1961

Historical

- Canada's National Film Board (revised reprint), Graham, 74: 689-691, Aug. 1965
- Willard Beach Cook, narrow-gage safety films, pioneer distributor, Kruse, 73: 576-580, July 1964
- Creating an industry, Pt. I, formation and growth of RCA; Pt. II, television development within RCA, Bitting (intro. by Glenn E. Matthews), 74: 1015-1023, Nov. 1965
- Norman O. Dawn, special effects, pioneer, Fielding, 72: 15-23, Jan. 1963
- Film, doomsday, motion-picture archives, crisis, Flory, 72: 410-412, May 1963
- Early history of the Society, work on standardization, a note, Matthews, 72: 196-202, Mar. 1963
- Progress in cinematographic materials, Staud, 70: 1019-1021, Dec. 1961
- 8mm magnetic sound-on-film projector (a reprint), Thompson, 70: 588-589, Aug. 1961
- 8mm sound developments, early, Hedden and Curtis, 70: 585-588, Aug. 1961
- South Africa, history of films, Howe, 72: 882-883, Nov. 1963
- Alexander F. Victor-motion-picture pioneer, Rose, 72: 614-621, Aug. 1963

Laboratory Practice

(see also Photographic Theory and Materials)

GENERAL

- American Standard, Proposed, Dimensions of Transverse Cemented Splices on 16mm and 8mm Motion-Picture Film, Laboratory Type, PH22.77, 73: 671, Aug. 1964
- American Standard, Proposed, Dimensions of Transverse Cemented Splices on 16mm and 8mm Motion-Picture Film, Projection Type, PH22.24, 73: 670, Aug. 1964
- Cinemicrography applied to study of dye transfer from relief matrices, Tull and Stevens, 74: 675-677, Aug. 1965
- Color film dye stability, factors affecting, related printing problems, release print quality, Gale and Williams, 72: 804-809, Oct. 1963
- Color rendering, controlled modification, Happe, 72: 690-691, Sept. 1963
- Footage counter, electronic, luminous, Snowdall and Hedden, 74: 784-785, Sept. 1965
- Footage counter, technical note, Magargle, 73: 491-492, June 1964
- Lubrication, motion-picture film, Kolb and Weigel, 74: 297-307, Apr. 1965 Magnetic striping, precision, Kolb, Lovick, Peer and
- Weigel, 70: 611-617, Aug. 1961 Photographic developers, visual titrimetric deter-
- mination of phenidone, hydroquinone, Reitz and Anselm, 74: 669-670, Aug. 1965
- Projector equipment, reversible, for review rooms, Bull, 70: 806-808, Oct. 1961
- Silver recovery in motion-picture laboratories, present status, Schreiber, 74: 505-513, June 1965 Solvent vapors, system for recovery, Reichard, 72:
- Splicing, ultrasonic, of polyethylene terephthalate films, Alles, 70: 976-978, Dec. 1961

548-552, July 1963

- Synchronization, universal, system for, (Rotosyn) Schwarz, 72: 181-183, Mar. 1963
- Variable-area sound, trouble chart, Schuller, 73: 883-887, Oct. 1964
- Variable-area soundtracks, 16mm, quality control, small studios, Williams and Strong, 73: 792-796, Sept. 1964
- Vesicular photography, Nieset and Notley, 74: 786-788, Sept. 1965

PRINTING

- Additive exposures, process photography, Lewis, 71: 449-450, June 1962
- American Standard, Dimensions of Exposed Areas for Picture and Photographic Sound on 35mm

- Motion-Picture Prints Made on Continuous Contact Printers, PH22.111-1965, 74: 1109, Dec. 1965
- American Standard, Location of Printed Areas in 16mm Picture and Sound Contact Printing, PH22.48-1965, 74: 429, May 1965
- American Standard, Proposed, Exposed Areas for Picture and Photographic Sound on 35mm Motion-Picture Prints Made on Continuous Contact Printers, PH22.111, 73: 888, Oct. 1964
- American Standard, Proposed, Location of Printed Areas in 16mm and Sound Contact Printing, PH22.48, 73: 141, Feb. 1964
- American Standard, Proposed Withdrawal: American Standard Scene-Change Cueing for Printing 16mm Motion-Picture Film, PH22.89-1958, 73: 805, Sept. 1964
- American Standard, Proposed Withdrawal, PH22.49-1946, 73: 141, Feb. 1964
- American Standard, Withdrawn, Scene-Change Cueing for Printing 16mm Motion-Picture Film, PH22.89-1958, 74: 685, Aug. 1965
- Composite color printer, 35mm A&B automatic, Solow and Reichard, 73: 870-872, Oct. 1964
- Controlled chance, system, printer light color balance in additive color printing, *Tabernero*, **70**: 502-508, July 1961
- Damping device, continuous 16mm motion-picture printer, Seeley, 70: 498-500, July 1961
- Densitometry, color preprint materials, improved printing density filters, *Miller* and *Powers*, 72: 695-700, Sept. 1963
- 8mm color positive release prints with magnetic sound: progress report, R. Colburn, 70: 603-606, Aug. 1961
- 8mm commercial prints, economical, *Graham* and *Stockdale*, 73: 934-936, Nov. 1964
- 8mm release prints, commercial systems, Keene and Clifford, 71: 447-449, June 1962
- Fiber optics, motion-picture printing, Miller and Hartshorne, 70: 701-704, Sept. 1961
- Magnetic sound printer, multiple, 8mm, Cunningham and Colburn, 72: 24-26, Jan. 1963
- Night photography, simulated, using color reversal films, *Keene*, 70: 795-798, Oct. 1961
- Optical printer construction, new concept, *Scheib*, 74: 597-599, July 1965
- Optical printing, small-diameter light source, Clifford, 73: 932-933, Nov. 1964
- Print film, heat-developable (Metro-Kalvar), *Bacon* and *Lindemeyer*, 73: 213-215, Mar. 1964
- Reduction printer, multiple head, 16mm to 8mm, Colburn, 72: 189-190, Mar. 1963
- Reversal print material, color production system, *Thomas, Rees* and *Lovick,* 74: 671-675, Aug. 1965
- 16mm sound release printing, motor boating, *Bova* and *Schieman*, 71: 170-172, Mar. 1962
- 16mm to 8mm reduction printer, high-speed, continuous, Curtis and Hedden, 70: 624-627, Aug. 1961 Sound negatives, prints, standardization, Albin, 71: 846-850, Nov. 1962
- Split-frame technique, use in motion-picture investigations, *Zwick* and *Osborne*, 71: 931-932, Dec. 1962
- 35mm motion-picture printer, automatic, Kennedy, DeClerk and LaBanca, 70: 267-269, Apr. 1961

PROCESSING

- American Standard, Nomenclature for Motion-Picture Film Used in Studios and Processing Laboratories (Section 5-7), PH22.56a-1964, 73: 219, Mar. 1964
- Black-and-white reversal process, sulfuric acid-potassium dichromate bleach, Zuidema, 72: 485-487, June 1963
- Color film processing laboratories, operation of a chain of, *Bauer*, 70: 751-754, Sept. 1961
- Color print quality, 8mm sound, Staud and Hanson, 71: 557-562, Aug. 1962
- Continuous film processor, development, to overcome common deficiencies, *Bendick* and *Scott*, 72: 184-188, Mar. 1963
- Dye transfer matrix, copper-toned planographic, studies, Pt. I, *James*, 74: 989-994, Nov. 1965
- Eastman color print film, type 5385, performance, photographic soundtracks, special reference, 8mm usage, Finkle and Streiffert, 73: 936-938, Nov. 1964

- Ektacolor paper, artificial aging of latent image in, Horn, 70: 39-41, Jan. 1961
- Film processing, Ektachrome original, Hedden, Sutton and Gyori, 72: 27-31, Jan. 1963
- Film processing machines, positive electric film brake, *Hanson*, 74: 607-608, July 1965
- Film processing machine, tension free, Fulton, 74: 282-286, Mar. 1965
- Film processing laboratory, daylight, *Dahlstedt*, 74: 518-520, June 1965
- Film surface characteristics, color negative, affecting picture quality, Zwick, 71: 15-20, Jan. 1962
- High-speed inspection projector, *Teitelbaum*, 71: 732, Sept. 1962
- Liquid gate, projection, motion-picture film, Turner,
 Ripson, Kolb and Yavitz, 71: 100-105, Feb. 1962
 Processed image stability, analytical test methods,
- Larson, Hubbell and West, 71: 495-501, July 1962
 Processing machines, black-and-white, conversion to viscous-layer development, Edgcomb and Seeley, 72: 691-695, Sept. 1963
- Rapid processing, panchromatic negative film, viscous monobath, *Barnes, Bahler* and *Johnston*, 74: 242-245, July 1965
- Recommended Practice, Dimensions of 35mm Rewind Spindles, RP 21, 74: 798, Sept. 1965
- Sound negatives, variable-area, viscous-layer processing, Finkle and Wilson, 73: 125-128, Feb. 1964
- Strip-processing technique, evaluation exposed negative, *Baker* and *Kage*, 71: 838-841, Nov. 1962
- Viscous coatings, rapid processing, motion-picture film, Pt. I, Viscous-layer processing, Cummins, Turner and Wilson; Pt. II, Machine, processing black-and-white 16mm film, Hermle and Lowry, 70: 875-881, Nov. 1961

Lasers

- Gas maser, intracavity-modulated, photographic studies of light output, *Hargrove* and *Couriney-Pratt*, 74: 1085-1095, Dec. 1965
- Imaging technique, precision, range-gated, Neumann, 74: 313-319, Apr. 1965
- Lasers, applications, D'Haenens and Buddenhagen, 71: 828-832. Nov. 1962
- Ruby lasers, mode and polarization phenomena, photographic studies, *Stickley, Lipke* and *Healey*, 72: 534-536, July 1963

Letters to the Editor

- (Re:) Black-and-white television monitoring and video levels, *Barlow*, 71: 166, Mar. 1962
- (Re:) Colonial Williamsburg theaters for a widescreen participation film, *Carroll*, 71: 31, Jan. 1962
- (Re.) Compatibility, Barlow, 73: 492, June 1964
- (Re:) 8mm and small-format film, Vivié/Carroll, 72: 412, May 1963; Note concerning a method for designing the dimensions of a small-format sound film, Vivié, 72: 676-677, Sept. 1963
- (Re:) Errata in "A general survey of high-speed photographic techniques" (*Lunn*, pp. 915-920, Dec. 1962) *Lunn/Beckman*, 72: 418, May 1963
- (Re:) Errata in "Vidicon light-transfer characteristics and film reproduction" (Neuhauser, pp. 791-794, Oct. 1961) Fukuda/Neuhauser, 72: 418, May 1963
- (Re:) Exposure-control myth, LaRue/Freund, 72: 414-416, May 1963
- Exposure-control myth, Norwood, 72: 89-90, Feb. 1963
- Infrared transparency of magnetic tracks, *Lewin*, 70: 909, Nov. 1961
- (Re:) 1962 Progress Report—Errata and Lacunae-May Journal, Lewin, 72: 712, Sept. 1963
- (Re:) Nomenclature for Fourier transforms of spread function, *Ingelstam (Chairman, I.C.O.* Subcommittee for Image Assessment Problems), 71: 94, Feb. 1962
- (Re:) Nomenclature—Dispersion, Jacobs, 74: 253, Mar. 1965
- (Re:) Production procedure for American Standards, Arnold, 74: 253, Mar. 1965
- (Re:) Sensitivity of image-orthicon tubes, *Shadle*, 71: 771, Oct. 1962
- (Re:) Sound-delay systems (Dussault, pp. 843-848, Nov. 1963), Wunder, Dussault, Vides, 73: 222-223, Mar. 1964
- Journal of the SMPTE INDEX for 1961-65

- (Re:) Video graticules, Morris/Barlow, 71: 584, Aug. 1962
- (Re:) Wide-screen film performance, *Offenhauser*, **74:** 428, May 1965
- (Re:) Wow and flutter/time displacement error, McKnight/Cox, 71: 428, June 1962

Lighting and Lamps

(see also High-Speed Photography and Instrumentation; Television)

- American Standard, Dimensions of Projection Lamps Double-Contact Medium Ring Base-Up Type, PH22.84-1964, 73: 582, July 1964
- American Standard, Dimensions of Projection Lamps Single-Contact Medium Prefocus Base-Down Type, PH22.85-1964, 73: 582, July 1964
- American Standard, Proposed, Projection Lamps Double-Contact Medium Ring Base-Up Type, PH22.84, 71: 941, Dec. 1962
- American Standard, Proposed, Projection Lamps Single-Contact Medium Prefocus Base-Down Type PH22.85, 71: 941, Dec. 1962
- American Standard, Screen Luminance and Viewing Conditions for 35mm Review Rooms, PH22.133-1963, 72: 495, June 1963
- Control consoles, lighting, British TV studios, Bentham, 70: 814-821, Oct. 1961
- Flash sources, submicrosecond, Edgerton, Tredwell and Cooper, 70: 177-180, Nov. 1961
- Flashtubes, parameters, physical and technical, Marshak and Shchoukin, 70: 169-176, Mar. 1961
- High-intensity, fractional-microsecond light sources, *Nolan*, **70**: 632-633, Aug. 1961
- High-intensity lighting (HIL), photography of launch operations, NASA project Apollo, *Kerr*, 74: 73-79, Feb. 1965
- Image intensifier, flash radiography, application, *Thomer* and *Schall*, 70: 20-22, Jan. 1961
- Kerr-cell camera, synchronized light source, millimicrosecond reflected light photography, Theophanis, 70: 522-527, July 1961
- Light-control system, memorized storage, De Backer, 70: 906-908, Nov. 1961
- Lighting vocabulary, international, Barbrow, 73: 331-332, Apr. 1964
- Macrocinematography, use of light, Everest, 71: 664-667, Sept. 1962
- Magnetic switching, high power xenon flashes, control, *Beeson*, 70: 101-105, Feb. 1961
- Quartz-iodine lamps and reflectors for set lighting, *Peek*, 71: 667-669, Sept. 1962
- SMPTE Recommended Practice, Minimum Screen Luminance for Drive-In Theaters, RP 12, 71: 514-515, July 1962
- Spot photometers, exposure control, Field, 74: 592-593, July 1965
- Studio lighting BBC Television Centre, *Ackerman*, 71: 266-268, Apr. 1962
- Xenon flashlamps, holdover, Edgerton and Cahlander, 70: 7-9, Jan. 1961Xenon illuminator systems, 35mm and 70mm pro-
- jection, Puder and Mortensen, 74: 594-597, July 1965
- Xenon projection lamps, Kloepfel, 73: 479-480, June 1964

Magnetic Recording Tape

- American Standard, Proposed, Magnetic Coating of 8mm Motion-Picture Film, Perforated 1R-1500, PH22.88, 71: 188, Mar. 1962
- American Standard, Proposed, Magnetic Coating of 16mm Motion-Picture Film, Perforated 2R-3000, PH22.101, 71: 188, Mar. 1962
- Electronic indexing, tape music library, *Hedden* and *Snowdall*, 71: 662-663, Sept. 1962
- Frequency-response, 16mm, 8mm film, magnetic-striping "azimuth-plateau" effect on, survey, Bach, 71: 147-156, Mar. 1962
- Magnetic heads, use in motion pictures, recent developments, *Moehring*, 72: 298-300, Apr. 1963
- Magnetic recording process, 5000:1 scale model, Tjaden and Leyten (abridgement, Pierre Mertz), 74: 1024-1027, Nov. 1965
- Magnetic sound, selective multitract, synchronized with 8mm motion pictures, *Hennessey*, 71: 660-661, Sept. 1962

- Magnetic tapes, technique for examination of contact area, Streiffert, 74: 678-680, Aug. 1965
- Magnetic television tape recordings, electronic editing, *Bounsall*, 71: 95-99, Feb. 1962
- SMPTE Recommended Practice, Proposed, Specifications of Tracking Control Record for 2-In. Video Magnetic Tape Recordings, RP 16, 72: 813, Oct. 1963
- SMPTE Recommended Practice, Signal Specifications for a Monochrome Video Alignment Tape for 2-in. Video Magnetic Tape Recording, RP 10, 71: 512, July 1962
- SMPTE Recommended Practice, Tape Vacuum Guide Radius and Position for Recording Standard Video Records on 2-in. Magnetic Tape, RP 11, 71: 186, Mar. 1962
- Sound equipment, 8mm, magnetic, Branch, 71: 60-66, Jan. 1962
- Striping technique, simplified, Rezai, 73: 221-222, Mar. 1964

Medical Photography

- Biomedical education, short films for self-instruction, McKim, West and Stickley, 74: 741-742, Sent 1965
- Biology, medicine, time-lapse cine technique, Lefeber, 73: 631-634, Aug. 1964
- Blood flow in man, cinemicrophotography, Wells, Schildkraut. Teicher and Edgerton, 73: 627-628, Aug. 1964
- Cinephotomicrography, sequential serial sections, technique, *Postlethwait*, *Mills* and *Lohmann*, 73: 629-631, Aug. 1964
- Endoscopic photography, fiber optics, *Hirschowitz*, 73: 625-626, Aug. 1964
- Heart sounds and murmers, motion-picture techniques for teaching, *Leveridge*, 74: 729-730, Sept. 1965
- Living tissues, medical research and teaching, cinephotomicroscopy, *Wood*, 74: 737-740, Sept. 1965 Masticating cycle, motion pictures, *Hickey*, *Woelfel* and *Friend*, 71: 626-628, Aug. 1962
- Medical education, motion picture, a tool, *Sturgis*. 71: 734-737, Sept. 1962
- Medical fluoroscopy, television, cine systems, contrast, detail perception, *Webster* and *Wipfelder*, 73: 617-621, Aug. 1964
- Medical motion-picture production, professional film techniques, *Wald:* 74: 743-744, Sept. 1965
- Medicine, Education, Motion Pictures, Television (Introduction), Ray, 74: 729, Sept. 1965
- Medicine, motion pictures and television, introduction, Wentworth, 73: 617, Aug. 1964
- Mirror cinematography, operating room (reprint), *Irvine*, 74: 744-745, Sept. 1965
- Photooptical instrumentation in medicine, *Rehman*, 73: 635-642, Aug. 1964
- Roentgen diagnosis, cine and TV methods of analyzing search, *Potsaid*, 74: 731-736, Sept. 1965
- Speech, sound analysis, simultaneous x-ray motion pictures of the pharynx, Cline, 74: 105-107, Feb. 1965
- Speech therapy clinic sessions, filming, tape-to-film process, Schram, 73: 774, Sept. 1964
- Stereocineradiography, *Potsaid*, 73: 622-624, Aug. 1964
- Television x-ray image amplifier, Holmes and Liggins, 74: 102-104, Feb. 1965

New Products and Developments

A dolumn of brief items to announce new products and describe new developments. These are indexed each year in the Annual Index alphabetically under the names of manufacturers and also under subject categories. These are omitted from the Five-Year Index with the exception of items of possible special or continuing interest, including brief by-lined articles. Such items are indexed in the Five-Year Index under the appropriate subject headings.

Nontheatrical

(see also Education; Film (8mm and Small Format)

- Audio-visual devices, capabilities, needs, Flory, 72: 938-942, Dec. 1963
- 8mm sound film, challenge, Flory. 70: 581-585, Aug. 1961

- 8mm sound film, educator, *Forsdale*, 70: 593-595, Aug. 1961
- Film, doomsday, motion-picture archives, crisis, Flory, 72: 410-412, May 1963
- Market review: nontheatrical film and audio-visual, 1964, Hope, 74: 802-805, Sept. 1965
- Motion pictures, television, education (introduction), *Knudsen*, 73: 753, Sept. 1964
- Multifilm projector, automatic, audio-visual and entertainment, *Duvall*, 74: 1104-1107, Dec. 1965
- Nontheatrical films—interim report No. 2, Flory and Hope, 70: 68-72, Jan. 1961 (see Erratum, p. 450, June 1961)
- Nontheatrical films—interim report No. 3, *Hope*, 71: 139-142, Feb. 1962
- Nontheatrical films—interim report No. 4, *Hope*, 72: 632-635, Aug. 1963
- Nontheatrical films—interim report No. 5, *Hope*, 73: 675-678, Aug. 1964
- Nontheatrical leader, 16mm/8mm, proposal, Probst, 72: 946-947, Dec. 1963
- Projector, cartridge-type, home motion pictures, other applications, *Beyer*, 70: 429-431, June 1961 Scientific films, German Institute, *Greenhill*, 71:
- Scientific films, German Institute, *Greenhill*, 71: 294-298, Apr. 1962
 Single-system production, technical film reports,
- Bohmer, 71: 929-930, Dec. 1962
 Teaching machine, branching, using motion pic-
- Teaching machine, branching, using motion pictures, *Perrin*, 73: 760-764, Sept. 1964
- Workshop, teachers, experimental film production, 8mm. Wise, 73: 773-774, Sept. 1964

Obituaries

Bahn, Chester B., 71: 126, Feb. 1962 Bernard, Jack, 72: 650, Aug. 1963 Betts, C. Anthony B., 71: 878, Nov. 1962 Bolsey, Jacques, 71: 398, May 1962 Bremer, Frank V., 70: 762, Sept. 1961 Carlton, James L., 71: 396, May 1962 Cooley, Clyde R., 71: 878, May 1962 de Shulthess, Hans, 71: 878, Nov. 1962 Downes, Arthur, C., **70**: 228, Mar. 1961 Calvin, Forrest O., **72**: 432, May 1963 Dutton, Watson P., 73: 58, Jan. 1964 DuVall, John W., 74: 358, Apr. 1965 Gebhart, Wilford W., 72: 340, Apr. 1963 Geib, Ervin R., 71: 534, Nov. 1962 Gephart, William Everet, Jr., 74: 958, Oct. 1965 German, William J., 72: 432, May 1963 Geyer, Karl'A., 74: 462, May 1965 Gilmore, Robert Q., 74: 1146, Dec. 1965 Greenfield, Jack C., 72: 650, Aug. 1963 Hansen, Edmund H., 71: 978, Dec. 1962 Hanson, Oscar Byram, 70: 922, Nov. 1961 Hogan, John V. L., 70: 228, Mar. 1961 Hunt, Philip A., 71: 46, Jan. 1962 Huse, Emery, 70: 764, Sept. 1961 Ives, Charles E., 71: 980, Dec. 1962 Kalmus, Herbert T., 72: 902, Nov. 1963 Kunzmann, William C., 71: 394, Jan. 1962 Lachman, Edward, 73: 824, Sept. 1964 Landucci, Alfred, 71: 124, Feb. 1962 LeBel, C. J., 74: 462, May 1965 Lewin, George, 73: 58, Jan. 1964 Lipton, Sidney M., 71: 396, May 1962 Loving, George H., 73: 60, Jan. 1964 Moore, J. Stanley, 71: 878, Nov. 1962 Moyse, Kern, 71: 46, Jan. 1962 Nixon, George M., 72: 434, May 1963 Partington, George, 73: 158, Jan. 1964 Patel, A. J., 70: 764, Sept. 1961 Peterson, Rudolf, 72: 572, July 1963 Ranger, Richard H., 71: 124, Feb. 1962 Reed, Paul C., 73: 1081, Dec. 1964 Roberts, Fred G., Jr., 73: 342, Apr. 1964 Rosenthal, Adolph H., 72: 572, July 1963 Schardin, Hubert H., 74: 1146, Dec. 1965 Schwengler, Charles E., 74: 836, Sept. 1965 Singer, Kurt, 71: 978, Dec. 1962 Sweet, Monroe, 70: 927, Nov. 1961 Thompson, Lloyd, 70: 226, Mar. 1961 von Karmen, Theodore, 72: 902, Nov. 1963 Wall, John M., 72: 902, Nov. 1963 White, William C., 74: 358, Apr. 1965

Optics

Aerial-image unit, industrial animation camera, Tressel and Andrews, 73: 956-957, Nov. 1964

- Aircraft, simulating moving perspective view, Carey, 73: 854-857, Oct. 1964
- American Standard, Method for Determining Aperture Calibration of Motion-Picture Lenses, PH22,90-1964, 73: 495, 496-499, June 1964
- American Standard, Proposed, Aperture Calibration of Motion-Picture Lenses, PH22.90, 71: 515-519, July 1962
- American Standard, Specifications for Indicating the Zero Point for Focusing Scales on 16mm and 8mm Motion-Picture Cameras, PH22.74-1965, 74: 429, May 1965
- Camera unit, 16mm film, vidicon television, combination, Back, 74: 1096, Dec. 1965
- Color television, optical system, camera, *Nomura*, 73: 120-124, Feb. 1964
- Discrete movement, perceptual threshold in motion pictures, *Levonian*, 71: 278-281, July 1962
- Endoscopic photography, fiber optics, *Hirschowitz*, 73: 625-626, Aug. 1964
- Fiber optics in motion-picture printing, *Miller* and *Hartshorne*, 70: 701-704, Sept. 1961
- G-number, photometric lens-aperture designation, Stimson, 74: 99-101, Feb. 1965
- Infrared tracking mounts, acquisition techniques, *Plakun*, **72**: 795-798, Sept. 1963
- Plakun, 12: 195-198, Sept. 1963 Lens design, automatic, *Brixner*, 73: 314-320, Apr.
- Lens design, automatic, 600mm f/2.0, 24° field lens, illustrated, Brixner, 73: 654-657, Aug. 1964
- illustrated, *Brixner*, 73: 654-657, Aug. 1964 Lens measuring method, photoconductive cells, *Par-*
- gas, 74: 501-504, June 1965 Lens system, gyro-stabilized (Dynalens), Benson and
- Whittaker, 74: 916-918, June 1965 Letter to the Editor: lens design, automatic, Grey and Brixner, 74: 799-800, Sept. 1965
- Mirror, rotating rectangular, stresses and deformations, Stevens and Miller, 73: 1032-1036, Dec.
- Optical masers, photographic studies, *Pavliscak*, 73: 206-212, Mar. 1964
- Optical tunnel—versatile electrooptical tool, Krolak and Parker, 72: 177-180, Mar. 1963
- Photographic image quality, resolving power, evaluation, Schade, 73: 81-119, Mar. 1964
- Pinhole optics, simulators, Gallas, Gilbert and Hitterdal, 74: 321–323, Apr. 1965
- Pinhole optimization, survey, Fjeld, 74: 320, Apr. 1965
- Plastic-replica optics, high-accuracy, 74: Meyer, 28-32, Jan. 1965
- Projector design, illuminating systems, Wallin, 71: 769-771, Oct. 1962
- Sine-wave techniques, application to image forming systems, *Lamberts*, 71: 635-640, Sept. 1962
- Television film chain, basic optics, Lyman and Neumer, 72: 6-10, Jan. 1963
- Television lenses, long focal length, electronic, *Himelfarb*, 74: 240-242, Mar. 1965
- Ultra-high-speed photography, fiber optics, Kapany, 71: 75-81, Feb. 1962
- Xenon illuminator systems, 35mm and 70mm projection, *Puder* and *Mortensen*, 74: 594-597, July

Other Organizations

(see also, Education, Industry News in the annual indexes)

- Association of Cinema Laboratories, meeting announcement, 71: 190, Mar.; elections, 860, Nov. 1962
- International Organization for Standardization, meeting, Alden, 74: 529, June 1965
- Photographic Societies, Joint Interests, 72: 424, May 1965
- SMPTE Representatives to Other Organizations, 70: 296, Apr. 1961

Photographic Theory and Materials

- Base-surge contours, oblique photographs, rectification, *Philips*, **74**: 779-783, Sept. 1965
- Black-and-white reversal process, sulfuric acid-potassium idchromate bleach, Zuidema, 72: 485-487, June 1963

- Chemistry, color photography, Vittum, 71: 937-941, Dec. 1962
- Cinemicrography applied to study of dye transfer from relief matrices, *Tull* and *Stevens*, **74**: 675-677, Aug. 1965
- Color release prints, infrared transmission characteristics, effect on color television reproduction, *Kozanowski*, 73: 939-940, Nov. 1964
- Color rendering, controlled modification, *Happe*, 72: 690-691, Sept. 1963
- Color preprint materials, densitometry, improved printing density filters, *Miller* and *Powers*, 72: 695-700, Sept. 1963
- Discrete movement in motion pictures, perceptual threshold, *Levonian*, 71: 278-281, Apr. 1962
- Dye transfer matrix, copper-toned planographic, studies, Pt. I, James, 74: 989-994, Nov. 1965
- 8mm systems, sharpness calculations, *Pinney*, 73: 929-931, Nov. 1964
- Exposure control (Introduction), Mertz, 74: 577, July 1965
- Exposure control, stray light component, *Harris*, 74: 587-589, July 1965
- Fiber optics, motion-picture printing, Miller and Hartshorne, 70: 701-704, Sept. 1961
- Film processing, Ektachrome original, Hedden, Sutton and Gyori, 72: 27-31, Jan. 1963
- Lubrication, motion-picture film, *Kolb* and *Weigel*, 74: 297-307, Apr. 1965
- Medicine, Education, Motion Pictures, Television (Introduction), Ray, 74: 729, Sept. 1965
- Microdensitometer for photographic research Herrnfeld, 70: 904-905, Nov. 1961
- Mirror, rotating rectangular, stresses and deformations, *Stevens* and *Miller*, 73: 1032-1036, Dec. 1964
- Night photography, simulated, using color reversal films, Keene, 70: 795-798, Oct. 1961
- Photographic developers, visual titrimetric determination of phenidone, hydroquinone, Reitz and Anselm, 74: 669-670, Aug. 1965
- Photographic image quality, resolving power, evaluation, *Schade*, 73: 81-119, Feb. 1964
- Picture sharpness, SMT acutance, objective method, rating, *Crane*, 73: 643-647, Aug. 1964
- Pin registration, *Robertson*, 72: 75–81, Feb. 1963
- Processed image stability, analytical test methods, Larson, Hubbell and West, 71: 495-501, July 1962
- Progress in cinematographic materials, Staud, 70: 1019-1021, Dec. 1961
- Rapid processing, panchromatic negative film, viscous monobath, Barnes, Bahler and Johnston, 74: 242-245, Mar. 1965
- Reflectance meter, exposure control advantages, incident light meter, Askowith, 74: 590-591, July 1965
- Reversal print material, color production system, Thomas, Rees and Lovick, 74: 671-675, Aug. (1965)
- Sine-wave techniques, image-forming systems, *Lamberts*, 71: 635-640, Sept. 1962
- Solvent vapors, system for recovery, Reichard, 72: 548-582, July 1963
- Sound negatives and prints, standardization, Pt. II, *Albin*, 74: 122-124, Feb. 1965
- Spot photometers, exposure control, 74: Field, 592-593, July 1965
- Strip-processing technique, evaluation, exposed negative, *Baker* and *Kage*, 71: 838-841, Nov. 1962
- Technicolor, 8mm prints, *Pohl*, 70: 606-607, Aug. 1961
- Telefilm exposure control, exposure meters and measuring techniques, *Wright*, 74: 577-587, July 1965
- Television reproduction, film granularity, analysis (reprint) *Hacking*. 73: 1015-1029, Dec. 1964
- Vesicular photography, motion-picture industry, Nieset and Notley, 74: 786-788, Sept. 1965
- Vidicon-telecine operating standards, CBC, grayscale characteristics, *Quinn* and *Dickson*, 73: 1009-1015, Dec. 1964
- Viscous coatings, rapid processing, motion-picture film, Pt. I. Viscous-layer processing, Cummins, Turner and Wilson; Pt. II, Machine, processing black-and-white 16mm film, Hermle and Lowry, 70: 875-881, Nov. 1961
- Wavefront reconstruction television facsimile system, Leith, Upatnieks, Hildebrand and Haines, 74: 893-896, Oct. 1965

12

Photogrammetry

- Lunar orbiter, visual instrumentation system, Bingley, 74: 84-89, Feb. 1964
- Map transparencies, color, radar trainers, use of color film, *Griffith*, 73: 849-853, Oct. 1964
- Photographic triangulation, use in determining positions of objects, large-scale experiments, *Philips*, 72: 869-871, Nov. 1963
- Reconnaissance, surveillance photography, Gold-hammer, 73: 858-862, Oct. 1964

Photometry

(see also Lighting and Lamps; also Optics)

- Exposure control (Introduction), Mertz, 74: 577, July 1965
- Exposure control, stray light component, *Harris*, 74: 587-589, July 1965
- G-number, photometric lens-aperture designation, Stimson, 74: 99-101, Feb. 1965
- Lunar orbiter: photographic satellite, Kosofsky and Broome, 74: 773-778, Sept. 1965
- Reflectance meter, exposure control advantages, incident light meter, Askowith, 74: 590-591, July 1965
- Spot photometers, exposure control, Field, 74: 592-593, July 1965
- Telefilm exposure control, exposure meters and measuring techniques, *Wright*, 74: 577-587, July 1965

Power Supply

- Camera drive power, Albin, 72: 842-845, Nov. 1963 Image-orthicon transistor television cameras, Matchell, Hale and Hayden-Pigg, 72: 455-461, June 1963
- Synchronization, universal, system for (Rotosyn), Schwarz, 72: 181-183, Mar. 1963

Production

(see Special Effects; Set Construction Studios; Nontheatrical; Education

- Aerospace photography, three R's from a film, *Probst*, 72: 326-329, Apr. 1963
- Audio-visual materials, textbook correlated, Rosenberg, 72: 294-295, Apr. 1963
- Colonial Williamsburg Theaters: Motion-picture system from camera to viewer, Schlanger, 70: 680-685, Sept. 1961
- Educational single-concept film in Great Britain,. Happe', 72: 679-681, Sept. 1963
- Film production, educational, academic training program, *Herrick*, 72: 292-293, Apr. 1963
 Installation techniques, electrical large film produc-
- Installation techniques, electrical, large film production center, *Mann* and *Leigh*, 72: 863-869, Nov. 1963
- Motion-picture design perspective, elementary, Gentleman, 72: 609-613, Aug. 1963
- Motion-picture investigations, split-frame technique, Zwick and Osborne, 71: 931-932, Dec. 1962
- Scientific films, German Institute, Greenhill, 71: 294-298, Apr. 1962
- University film production, a pattern, Weisgerber, 72: 290-291, Apr. 1963
- Unusual films, Bob Jones University, motion-picture production, *Stenholm*, 70: 160-165, Mar. 1961

Progress Committee Reports

- Errata and Lacunae: Progress Committee report, **70**: 627, Aug. 1961; **72**: 712, Sept. 1963; **73**: 495, June 1964; **74**: 1029, Nov. 1965
- Progress Committee reports: John M. Calhoun, Committee Chairman, For 1960, 70: 323-374, May 1961; For 1961, 71: 315-368, May 1962; For 1962, 72: 359-406, May 1963; Richard E. Putman, Committee Chairman, For 1963, 73: 369-410, May 1964; For 1964, 74: 377-427, May 1965

Projectors and Projection

(see also Television)

GENERAL

- American Standard, Dimensions of Projection Lamps Double-Contact Medium Ring Base-Up Type, PH22.84-1964, 73: 582, July 1964
- American Standard, Dimensions of Projection Lamps Single-Contact Medium Prefocus Base-Down Type, PH22.85-1964, 73: 582, July 1964
- American Standard, Proposed, Dimensions of Motion-Picture Projection Reels for Combination 70/35mm Projectors, PH22.147, 74: 338, Apr. 1965
- American Standard, Proposed, Projection Lamps Double-Contact Medium Ring Base-Up Type, PH22.84, 71: 941, Dec. 1962
- American Standard, Proposed, Projection Lamps Single-Contact Medium Prefocus Base-Down Type, PH22.85, 71: 941, Dec. 1962
- Bell system ride, problems, solutions, motionpicture, sound, Mintz, 74: 681-684, Aug. 1965
- Carbon arcs, 16mm film projection, *Heppberger* and *Bowen*, 73: 862–864, Oct. 1964
- Central projection, educational films, Bretz. 72: 165-167, Mar. 1963
- Colonial Williamsburg Theaters: motion-picture system from camera to viewer, Schlanger, 70: 680-685, Sept. 1961
- Discrete movement, perceptual threshold in motion pictures, *Levonian*, 71: 278-281, Apr. 1962
- Energy absorption considerations, motion-picture projection, *Yavitz*, 70: Sept., 686-690, Sept. 1961
- Films and frames, dimensions, motion-picture systems (abridged translation), Goldovskii, 73: 544-545, July 1964
- Illuminating systems, projector design, Wallin, 71: 769-771, Oct. 1962
- Interlock projection system, portable, Zeper, 72: 943-945, Dec. 1963
- Liquid gate, projection motion-picture film, *Turner*, *Ripson*, *Kolb* and *Yavitz*, 71: 100-105, Feb. 1962 Multifilm projector, automatic, audio-visual and en-
- tertainment, *Duvall*, 74: 1104-1107, Dec. 1965 Multilingual films, preparation and projection, *Tressel* and *Andrews*, 74: 1103, Dec. 1965
- Projector equipment, reversible, for review rooms, Bull, 70: 806-808, Oct. 1961
- Projector film shoes, nonferrous materials, *Kloepfel*, 71: 509-510, July 1962
- Projectors, narrow-film, film-feed mechanisms, Maschgan, 73: 134-138, Feb. 1964
- Recommended Practice RP 18-1964: Test Film for Checking 16mm Motion Picture Photographic Sound Projectors, 73: 967, Nov.; (Proposed) 337, Apr. 1964
- Slide projection, random selection, Sauppe, 71: 890-892, Nov. 1962
- World's Fair, projection techniques, *Denson*, 73: 507-509, June 1964
- Xenon illuminator systems, 35mm and 70mm projection, *Puder* and *Mortensen*, 74: 594-597, July 1965
- Xenon projection lamps, resumé, Kloepfel. 73: 479-480, June 1964

35MM

- American Standard Projector Aperture for 35mm Anamorphic, 2.55:1 Prints With Squeeze Ratio of 2;1, PH22.104-1957, Proposed Withdrawal, 73: 23, Jan. 1964
- American Standard, Proposed, Dimensions of 35mm Motion-Picture Projection Reels and Spindles, PH22.4, 72: 623, Aug. 1963
- American Standard, 16-Tooth 35mm Motion-Picture Projector Sprockets, PH22.35-1962, 71: 370, May 1962
- American Standards, 35mm Motion-Picture Anamorphic Projected Image Area, 2.35:1 Aspect Ratio, PH22.106-1965, 74: 1029, Nov. 1965
- American Standard, 35mm Photographic Sound Motion-Picture Film Usage in Projector, PH22.3-1961, 70: 535, July 1961
- American Standard, Proposed, Dimensions of 35mm Motion-Picture Anamorphic Projected Image Area, 2.35:1 Aspect Ratio, PH22.106, 73: 804, Sept. 1964
- American Standard, Proposed, Dimensions of 35mm Motion-Picture Nonanamorphic Projected Image Area, PH22.58, 73: 803, Sept. 1964
- American Standard, Proposed, Specifications for Leaders and Cue Marks for 35mm and 16mm Sound Motion-Picture Release Prints, PH22.55, 74: 35-39, Jan. 1965

- ISO Recommendation, R 358, Maximum Aspect Ratio of Projector Aperture for Projection of 35mm Nonanamorphotic Motion-Picture Films, 74: 257, Mar. 1965
- Projection performance, 35mm motion-picture film, effect of winding, *Preo* and *Yavitz*, **74**: 521-525, June 1965

8MM AND 16MM

- American Standard, Proposed, Dimensions of 8mm
 Motion-Picture Projected Image, PH22.20, 73:
 669, Aug. 1964
- American Standard, Proposed, Dimensions for 16mm Motion-Picture Projection Reels, 200- to 2,000-ft Capacity, PH22.11, 74: 257, Mar. 1965
- American Standard, Proposed, Projector Usage of 8mm Motion-Picture Film, Perforated 1R-1500, PH22.22, 72: 36, Jan. 1963
- American Standard, Proposed, Projector Usage of 16mm Motion-Picture Film, Perforated 1R-3000, PH22.16, 72: 408, May 1964
- American Standard, Proposed, Resolving Power of 16mm Motion-Picture Projector Lenses, PH22.53, 71: 941, Dec. 1962
- American Standard, Proposed, Specifications for Camera Usage of 16mm Motion-Picture Film Perforated Two Edges, PH22.9, 73: 802, Sept. 1964
- American Standard, Proposed, Specifications for Leaders and Cue Marks for 35mm and 16mm Sound Motion-Picture Release Prints, PH22.55, 74: 35-39, Jan. 1965
- American Standard, Proposed, Specifications for Projector Usage of 16mm Motion-Picture Film Perforated Two Edges, PH22.10, 72: 623, Aug. 1963
- American Standard, Specifications for Projector Usage of 16mm Motion-Picture Film Perforated One Edge, PH22.16-1965, 74: 429, May 1965
- 8mm home cine technique, Eumig Mark-S projector, Keznickl, 74: 110-114, Feb. 1965
- 8mm projectors, cold-mirror lamps, Geissbuhler, 72: 684-686, Sept. 1963
- 8mm magnetic sound-on-film projector, problems in design (reprint), *Thompson*, 70: 588-589, Aug. 1961
- 8mm sound developments, early, *Hedden* and *Curtis*, 70: 585-588, Aug. 1961
- ISO Recommendation R 359, Projection Image Area for 16mm Film, 74: 257, Mar. 1965
- Nontheatrical leader, 16mm/8mm, proposal, *Probst*, 72: 946-947, Dec. 1963
- Projector, cartridge-type, home motion pictures, other applications, *Beyer.* 70: 429-431, June 1961 Rear-screen projector, 8mm films with magnetic
- sound stripe, *Hennessey*, 70: 590-592, Aug. 1961
 16mm film horizontal projection, two tracks halfsize 16mm pictures, ontical sound. *Neumon* and
- size 16mm pictures, optical sound, Neyman and White, 72: 82-84, Feb. 1963
- 16mm sound projector, general use, Krtous, 71: 282-283, Apr. 1962
- Sound equipment round-up, 8mm magnetic, *Branch*, 71: 60-66, Jan. 1962
- Sound projector, 16mm, threading mechanism, automatic, *Nupnau* and *Cherniavskyj*, 72: 87-89, Feb. 1963

Screen Brightness and Screens

(except for Wide-Screen Systems)

- American Standard Screen Brightness for 35mm Motion-Pictures, PH22.39-1953, Proposed Withdrawal, 72: 406, May 1963
- American Standard, Screen Luminance and Viewing Conditions for 35mm Review Rooms. PH22.133-1963, 72: 495, June 1963; (Proposed, 70: 910-911, Nov. 1961)
- American Standard, Screen Luminance for Indoor Theaters, PH22.124-1961, 70: 730-731, Sept. 1961
- Carbon arcs, 16mm film projection, *Heppberger* and *Bowen*, 73: 862-864, Oct. 1964
- Colonial Williamsburg Theaters: Planning for the film presentation, Smith, 70: 677-679, Sept. 1961

 Rear-projection, screens, selection, specification,
- Rear-projection screens, selection, specification, Vlahos, 70: 89-95, Feb. 1961

Sensitometry

(see also Densitometry)

- Additive exposures, process photography, Lewis, 71: 449-450, June 1962
- Image-forming systems, sine-wave techniques, application, *Lamberts*, 71: 635-640, Sept. 1962
- Print film, heat-developable (Metro-Kalvar), Bacon and Lindemeyer, 73: 213-215, Mar. 1964
- Recommended Practice RP 14-1964, Plotting Data From Sensitometric Strips Exposed on Type Ib2 (Intensity Scale), Sensitometers, 73: 334, Apr. 1964; (Proposed, 72: 624-625, Aug. 1963)
- Sensitivity, photographic system, *Perrin*, 70 515-521, July 1961
- Sensitometer, microsecond exposure, constant-time, variable intensity, *Herrnfeld*, 70: 500-501, July 1961
- Strip-processing technique, exposed film, evaluating, Baker and Kage, 71: 838-841, Nov. 1961
- Television film exposure, monochrome, speed indexing, factors affecting, *Wright*, 73: 305-313, Apr. 1964

Society Activities

AWARDS AND CITATIONS

(see also Awards and Honors)

- Academy Awards (announced at Hollywood Section Meeting), 74: 480, May 1965
- Academy Awards, scientific-technical won by SMPTE members, 74: 616, July 1965
- Exhibit Award, 73: Bell & Howell, p. 698, Aug.; F&B CECO, p. 1072, Dec.; Traid, p. 57, Jan. 1964
- Exhibit Award, Gordon Enterprises, 74: 548, June 1965 Honors and Awards (descriptions), 70: 296, Apr. 1961; 71: 21-25, Pt. II, Apr. 1962; 72: 307, 308, 310, Apr. 1963; 73: 22-26, Pt. II, June 1964; 74: 7, Pt. II, Apr. 1965
- Presentation of Awards, 70: 1010, Dec. 1961; 71: 960, Dec. 1962; 72: 961, Dec. 1963; 73: 1056, Dec. 1964; 74: 1122, Dec. 1965
- Student Award, competition, 70: 384, May 1961

COMMITTEES

- Administrative Committees, **70**: 291-294, Apr. 1961; **71**: 7-13, Pt. II, Apr. 1962; **72**: 307-311, Apr. 1963; **73**: 7-11. Pt. II, June 1964; **74**: 508, Pt. II, Apr. 1965
- American Standards program, SMPTE, Alden, 71: 850-853, Nov. 1962
- Color Committee, survey color film soundtracks, 71: 591, Aug. 1962
- Color film production for television, Waner, 73: 411-414, May 1964
- Creating an industry, *Bitting* (Intro. by Glenn E. Matthews, *Chairman* Historical and Museum Committee), 74: 1015-1023, Nov. 1965
- Education Committee establishes scholarship program, 74: 1032, Nov. 1965
- 8mm magnetic sound standards, methods of test film production, *D'Arcy*, 71: 105-108, Feb. 1962
- Nomenclature TV studio lighting, committee report, Gill, 73: 495, June 1964
- Note on the early history of the society and its work on standardization, Glenn E. Matthews, Chairman, Historical and Museum Committee, 72: 196-202 Mar 1963
- Papers committee activities abroad, Ross, 73: 31-35, Jan. 1964
- Papers Committee National Chairman From Belgium, 74: 527-528, June 1965
- Papers Committee National Chairmen, Sweden and USSR, 73: 814-818, Sept. 1964
- Photoinstrumentation, glossary of terms, *Hyzer*, 73: 36, Jan. 1964
- Progress Committee Report (see Subject Heading) Small-Format Committee dissolved, 72: 888, May 1963
- Tutorial papers for SMPTE *Journal*, subcommittee, 71: 284, Apr. 1962
- Universal leader, release prints, SMPTE, Olding. 74: 34-35, Jan. 1965
- Video-tape standards, committee report, *Morris*, 72: 488–490, June 1963

CONFERENCES

89th, Toronto

Announcements, 70: 45, Jan.; 114, Feb. 1961; Advance Program and Exhibit Directory, 70: 191-218, Mar. 1961; Report, 70: 542-554, July 1961

90th, Lake Placid

Announcements, 70: 382, May; 448, June; 541, July; 643, August. 1961; Advance Program, 70: 732-751, Sept. 1961; Report, 70: 998, Dec. 1961

91st, Los Angeles

Announcements, 70: 834-838, Oct.; 914, Nov.; 994, Dec. 1961; 71: 38, Jan.; 113, Feb. 1962; Advance Program and Exhibit Directory, 71: 189-204, Mar.; 1962 Report, 71: 451-464, June 1962

92nd, Chicago

Announcements, 70: 916, Nov. 1961; 71: 468, June; 520, July; 595, Aug. 1962; Advance Program and Exhibit Directory, 71: 678-708, Sept. 1962; Report, 71: 948-960, Dec. 1962

93rd, Atlantic City

Announcements, 71: 782, Oct., 860, Nov.; 960, Dec. 1962; 72: 39, Jan.; 113; Feb. 1963; Advance Program and Exhibit Directory, 72: 203-224, Mar. 1963; Report, 72: 497-508, June 1963 94th. Boston

Announcements, 72: 330, Apr.; 442, May; 496, June; 562, July; 635, Aug. 1963; Advance Program and Exhibit Directory, 72: 714-734, Sept. 1963; Report, 72: 961-974, Dec. 1963

95th, Los Angeles

Announcements, 72: 886, Nov.; 960, Dec. 1963; 73: 46, Jan.; 142, Feb. 1964; Advance Program and Exhibit Directory, 73: 224-260, Mar. 1964; Report, 73: 502-506, June 1964

96th, New York

Announcements, 73: 341, Apr.; 419, May; 510, June; 586, July 1964; Advance Program and Exhibit Directory, 73: 679-696, Aug. 1964; Report, 73: 1055-1072, Dec. 1964

97th, Los Angeles

Announcements, 73: 806, Sept.; 892, Oct.; 968, Nov. 1964; 74: 40, Jan. 1965 Advance Program and Exhibit Directory, 74: 130-158, Feb. 1965; Report, 74: 538-551, June 1965

98th. Montreal

Announcements, 74: 263, Mar.; 342, Apr.; 436, May; 537, June; 612, July; 692, Aug. 1965; Advance Program and Exhibit Directory, 74: 806–832, Sept. 1965; Report, 74: 1118–1144, Dec. 1965

99th, Washington, D.C.

Announcements, 74: 1031, Nov.; 1117, Dec. 1965 Technical conference organization, 73: 970-974, Nov. 1964

CONSTITUTION AND BYLAWS

71: 15–20, Pt. II, Apr. 1962 72: 315–320, Apr. 1963 73: 16–21, Pt. II, June 1964 74: 13–18, Pt. II, Apr. 1965

74. 15-16, Pt. 11, Apr. 1963
 Bylaw Amendments, 72: 713, Sept.; 960, Dec. 1963
 Proposed Bylaw Amendment, 74: 799, Sept. 1965
 Proposed Constitution and Bylaws Amendments, 71: 183-185, Mar. 1962; 73: 672-674, Aug. 1964

EDUCATION

(see also Education, Industry News in Annual Indexes)

- Motion Picture Laboratory Practices and Procedures, SMPTE course in Univ. of Southern Calif.,72: 42, Jan. 1963
- Motion-Picture Production, Procedures and Services, SMPTE course in Univ. of Southern Calif., 71: 292, Apr. 1962
- Production Recording Techniques, lecture series, 71: 224, Mar. 1962
- Scientific Instrumentation Photography, SMPTE course in Univ. of Southern Calif., 72: 892, Nov.; 960, Dec. 1963
- SMPTE Education Committee establishes scholarship program, 74: 1032, Nov. 1965
- Special Effects in Motion Pictures, course cosponsored by USC and SMPTE, 74: 694, Aug. 1965 Television, SMPTE course in Univ. of Southern Calif., 73: 144, Feb. 1964

ENGINEERING ACTIVITIES

American standards, small format films, White, 73: 580-581, July 1964

8mm, new small-format film systems, SMPTE Engineering Vice-President, Deane R. White, 71: 555, Aug. 1962

Engineering activities, 71: 596-600, Aug. 1962 Engineering Committees, 70: 294-296, Apr. 1961; 71: 11-13, Pt. II, Apr. 1962; 72: 311-312, Apr. 1963; 73: 11-12, Pt. II, June 1964; 74: 8-9, Pt. II, Apr 1965

SMPTE Universal Leader for Release Prints, Olding, 74: 34-35, Jan. 1965

FINANCIAL REPORTS

70: 297, Apr. 1961 71: 14, Pt. II, Apr. 1962 72: 314, Apr. 1963 73: 14-15, Pt. II, June 1964 74: 12, Pt. II, Apr. 1965

GENERAL

Assistant Staff Engineer appointment, Joseph R. Stiftel, 73: 512, June 1964

Early history of the Society, work of standardization, note, *Matthews*, 72: 196-202, Mar. 1963

Executive Secretary appointment, Bernhard, Jr., 73: 698, Aug. 1964

Four-man team of cinema specialists, tour Soviet Union, 74: 944, Oct. 1965

Merger planning of scientific photographic societies, status, 73: 674, Aug. 1964

Motion-picture facilities in the USSR, technical report, Capra, Gephart, Stifle and White, 73: 177-196, Mar. 1964

New SMPTE Offices, 72: 424, May 1963

SMPTE Officers tour Soviet Union, 72: 886, Nov. 1963

SMPTE Past-President's message to members, Ray, 74: 1. Jan. 1965

SMPTE President's message, *Ray*, 72: 73-74, Feb.; 627, Aug. 1963; 73: 1-2, Jan. 1964

SMPTE President's message, Stifle, 74: 2, Jan. 1965 Staff Engineer Alden appointed, 70: 384, May 1961 Technical Group, TESMA, discussion, 70: 298, Apr.

Test films, SMPTE, 71: 224, Mar.; 466, June; 800, Oct. 1962

INTERNATIONAL CONGRESSES

Proceedings, Sixth International Congress, contents, 72: 539-540, July 1963

7th International Congress, High-Speed Photography, Announcements, 72: 330, Apr.; 636, Aug. 1963; 73: 341, Apr.; 806, Sept. 1964; 74: 439, May; 693, Aug. 1965 Sixth International Congress Announcements, 70:

448, June; 915, Nov.; 1021, Dec. 1961 71: 38, Jan.; 113, Feb.; 376, May; 466, June 1962

Sixth International High-Speed Congress, Review, Beard, 72: 536-538, July 1963

MEMBERSHIP

Alphabetical List of Members 71: 26-71, Pt. II, Apr. 1962 73: 27-76m Pt. II, June 1964 74: 19-24, Pt. II, Apr. 1965 Deceased Members 71: 71, Pt. II, Apr. 1962 72: 982, Dec. 1963 73: 90, Pt. II, June; 1081, Dec. 1964 74: 24, Pt. II, Apr. 1965

Directory for Members 71: Pt. II, Apr. 1962 73: Pt. II, June 1964 74: Pt. II, Apr. 1965

Fellows

14

71: 2-3, Pt. II, Apr. 1962 73: 2-3, Pt. II, June 1964

Life Fellow-New Membership Grade,

71: 379-380, May 1962

71: John I. Crabtree, first Life Fellow, 524, July 1962

Members Addresses: Lost 72: 985, Dec. 1963 Membership Report

70: 297, Apr. 1961;

72: 313, Apr. 1963

New Members

70: 132-134, Feb.; 408-411, May; 662-664, Aug.; 946-948, Nov. 1961

71: 59, Jan.; 543-547, July 1962

72: 232-244, Mar.; 516-521, June; 762-764, Sept.; 982-985, Dec. 1963

74: 700-708, Aug. 1965

Geographical List of Members 71: 72-84, Pt. II, Apr. 1962

73: 77-90, Pt. II, June 1964

Honorary Members

71: 2, Pt. II, Apr. 1962 73: 2, Pt. II, June 1964

Honor Roll

71: 3, Pt. II, Apr. 1962

73: 3, Pt. II, June 1964

Past-Presidents

71: 2, Pt. II, Apr. 1962

73: 2, Pt. II, June 1964

Sustaining Members 71: 85-99 (and back cover), Pt. II, Apr. 1962 73: 91-108 (and back cover), Pt. II, June 1964

74: 25-43 (and back cover), Pt. II, Apr.; 42, Jan.; 264, Mar.; 614, July; 834, Sept.; 972, Oct.; 1032, Nov. 1965

NOMINATIONS

Nominations for Society Offices, 72: 736, Sept. 1963

OFFICERS AND GOVERNORS OF THE SOCIETY

Elections

70: 920, Nov. 1961 (see Errata, p. 989, Dec. 1961)

71: 860, Nov. 1962

72: 226, Mar.; 960, Dec. 1963

73: 892, Oct. 1964 74: 1032, Nov. 1965

Roster

70: 288-289, Apr. 1961

71: 4-5, Pt. II, Apr. 1962

72: 304-305, Apr. 1963

73: 2-3, Pt. II, June 1964

74: 2-4, Pt. II, Apr. 1965

(and Inside Front Covers of all issues)

PUBLICATIONS

Five-Year Index: 1956-1960, 71: Pt. II, July 1962 Making the SMPTE Journal, 72: 512, June 1963 Principles of Color Sensitometry, 2d (revised) ed.,

72: 908, Nov. 1963 SMPTE informational brochure, 72: 904, Nov. 1963

Standards availability, 70: 41, Jan. 1961 This is SMPTE, 73: 37-44, Jan. 1964

Test Film Catalog, 73: 236, Mar. 1964

REPRESENTATIVES TO OTHER ORGANIZATIONS

Directory, 73: 13, Pt. II, June 1964; 74: 10, Pt. II, Apr. 1965

International Organization for Standardization, Milan, Italy, Alden, 74: 529, June 1965

SECTION ACTIVITIES

Cape Canaveral and Denver, new sections, 72: 226,

Closed-circuit television meeting, Canadian, nationwide, Wise and French, 72: 628-630, Aug.

Detroit Section formed, 70: 756, Sept. 1961

Hollywood Section, symposium announcement, 71: 600, Aug. 1962

Hollywood Section, TV Symposium, 71: 782, Oct. 1962

Instructional Communication Symposium, Hollywood and San Francisco Sections and Univ. of California UCLA and Berkeley, 74: 639-640, July 1965

Montreal Section, first full season, 72: 890, Nov.

Officers and Managers of Sections, 70: 290, Apr. 1961; 71: 6, Pt. II, Apr. 1962; 72: 306, Apr. 1963; 73: 6, Pt. II, June 1964; 74: 4, Pt. II, Apr. 1965 SMPTE Rochester Section and SPSE Rochester

Chapter, joint meetings, 74: 944, Oct. 1965 Student Chapters 70: 290, Apr. 1961

Toronto and Rochester Sections hold symposium on Color for Television, 74: 694, Aug. 1965

SECTION MEETING REPORTS

Atlanta

70: 54, Jan.; 390, May; 566, July 1961

71: 46, Jan.; 388, May; 802, Oct. 1962

72: 122, Feb.; 340, Apr.; 444, May; 912, Nov. 1963

73: 352, Apr.; 440, May; 712, Aug. 1964

74: 278, Mar.; 480, May 1965

Boston

70: 390, May; 568, July 1961

73: 440, May 1964

74: 180, Feb. 1965 Canadian

71: 48, Jan.; 235, 238, Mar.; 388, May; 540, July; 880, Nov. 1962

Cape Kennedy

72: 648, Aug.; 912, Nov.; 978, Dec. 1963

73: 158, Feb.; 352, Apr.; 440, May; 712, Aug.; 986, Nov., 1082, Dec. 1964

74: 64, Jan.; 180, Feb.; 278, Mar.; 480, May; 976, Oct. 1965

Chicago

70: 54, Jan.; 392, May; 569, July; 766, Sept. 1961 71: 48, 50, Jan.; 236, Mar.; 390, May; 540, July; 802, Oct. 1962

72: 340, Apr.; 444, May 1963

73: 712, Aug. 1964 74: 180, Feb.; 278, Mar.; 480, May; 640, July; 976, Oct. 1965

Dallas-Fort Worth

70: 394, May 1961

71: 50, Jan.; 390, May 1962

72: 912, Nov.; 978, Dec. 1963

73: 158, Feb.; 352, Apr.; 714, Aug.; 1085, Dec. 1964 74: 182, Feb. 1965

Detroit

71: 48, 50, Jan.; 236, Mar.; 390, May; 802, Oct. 1962 72: 124, Feb.; 342, Apr.; 444, May; 978, Dec. 1963

73: 352, Apr.; 986, Nov. 1964

74: 62, Jan.; 182, Feb.; 480, May 1965

Hollywood

70: 54, Jan.; 394, May; 569, July; 766, Sept.; 927, Nov. 1961

71: 50, Jan.; 236, 237, Mar.; 392, May; 541, July

1962 72: 124, Feb.; 342, Apr.; 444, May; 648, Aug.; 912,

73: 158, Feb.; 352, Apr.; 714, Aug. 1964

74: 64, Jan.; 278, Mar.; 480, May; 639, July; 976, Oct. 1965 Huntsville

71: 392, May; 542, July; 802, Oct.; 882, Nov. 1962 72: 126, Feb.; 445, May; 648, Aug.; 912, Nov.; 978, 980, Dec. 1963

73: 352, Apr.; 440, May; 714, Aug. 1964 74: 978, Oct. 1965

Montreal

72: 913, Nov.; 980, Dec. 1963

73: 160, Feb.; 352, Apr.; 440, May; 1085, Dec. 1964 74: 64, Jan.; 278, Mar.; 482, May; 640, July 1965

70: 394, May; 570, July; 928, Nov. 1961

71: 52, Jan.; 237, Mar.; 392, May; 804, Oct. 1962

72: 128, Feb.; 445, May 1963

73: 354, Apr. 1964

74: 640, July; 978, Oct. 1965

New York

70: 56, 58, Jan. (see Errata, p. 566, July 1961); 396, May; 570, July; 766, Sept.; 928, Nov. 1961

71: 52, Jan.; 238, Mar.; 392, May; 542, July; 804, Oct.; 882, Nov. 1962

72: 128, Feb.; 448, May 1963

73: 354, Apr.; 442, May; 714, Aug. 1964

74: 280, Mar.; 482, May 1965

Rochester 70: 396, 398, May; 570, July; 768, Sept. 1961 71: 52, 54, Jan.; 238, 239, Mar.; 394, May; 542, July;

806, Oct.; 882, Nov. 1962 72: 128, Feb.; 344, Apr.; 448, May; 648, Aug.; 913,

Nov.; 980, Dec. 1963 73: 160, Feb.; 354, Apr.; 442, May; 716, Aug. 1964 74: 280, Mar. 1965

San Francisco

70: 58, Jan.; 398, May; 570, July 1961

71: 54, Jan.; 239, 240, Mar.; 394, May; 542, July; 808, Oct.; 882, Nov. 1962

72: 130, Feb.; 448, May; 648, Aug.; 913, Nov.; 980, Dec. 1963

73: 160, Feb.; 354, Apr.; 442, May; 716, Aug.; 986, 988, Nov.; 1082, 1084, Dec. 1964

74: 64, Jan.; 280, Mar.; 482, May; 639, 641, July; 978, Oct. 1965

Toronto

72: 913. Nov. 1963

73: 160, Feb.; 354, Apr.; 442, May; 718, Aug.; 1082, Dec. 1964

Washington, D.C.

70: 58, Jan.; 398, May; 570, July 1961

71: 56, Jan.; 240, 241, Mar.; 543, July; 882, Nov.

72: 130, Feb.; 650, Aug.; 914, Nov.; 982, Dec. 1963 73: 160, Feb.; 718, Aug. 1964 74: 62, Jan.; 280, Mar.; 482, May; 640, July 1965

SUBSCRIPTIONS AND DUES

Business meeting, new rates, 71: 860, Nov. 1962 Business meeting, Oct. 22, re: Society membership dues, 71: 673, Sept. 1962

TEST FILMS

Catalog, 73: 236, Mar. 1964 Listing of test films, 72: 742, Sept.; 910, Nov. 1963 SMPTE Test Films, 70: 134, Feb. 1961

Sound Recording

GENERAL

Audio level control, broadcasting, recording, improved method, Lawrence, 73: 661-663, Aug. 1964

Condenser microphone, varidirectional, Rettinger, 71: 581-583, Aug. 1962

8mm sound developments, early, Hedden and Curtis, 70: 585-588, Aug. 1961

Electronic indexing, tape music library, Hedden and Snowdall, 71: 662-663, Sept. 1962

Electronic music for films, synthesis and manipulation of natural sounds, Schaeffer, 73: 128-129, Feb. 1964

Flutter index concept, Comerci, 71: 1-8, Jan. 1962 Frequency-response, 16mm and 8mm film, magnetic-striping azimuth-plateau, Bach, 147-156, Mar. 1962

ISO Recommendation R 360, Location of Recording Heads for Four Magnetic Sound Records on 35mm Film, 74: 257, Mar. 1965

Letter to the Editor: Infrared transparency of magnetic tracks, George Lewin, 70: 909, Nov. 1961 Lip-sync sound system, inexpensive, how to build, Kausch, 74: 1097-1101, Dec. 1965

Magnetic heads, use in motion pictures, recent developments, Moehring, 72: 298-300, Apr. 1963

Magnetic recorders, improved, 70-db signal-to-noise ratio, Gregg and Johnson, 74: 660-663, Aug. 1965 Magnetic recording process, 5000:1 scale model, Tjaden and Leyten (abridgement, Pierre Mertz), 74: 1024-1027, Nov. 1965

Pilot-tone system, modified, operating experience, Epstein and O'Donnell, 72: 687-689, Sept. 1963

Recorder, motion-picture sound, self-contained, Stancil, 70: 597-599, Aug. 1961

Reverberation facilities, artificial, auditoriums and audio systems, Crane and Brookes, 70: 809-814, Oct. 1961

Recording studios, controlling external noises, Loye, 70: 98-100, Feb. 1961

Single-system production, technical film reports, Bohmer, 71: 929-930, Dec. 1962

Sound facilities, studio, advanced, India, Jamas, 70: 413, May 1961

Sound-mixing equipment, television, Manning, 73: 788-791, Sept. 1964

Sound-picture syncing, time-delay system, Dussault, 72: 843-848, Nov. 1963

Variable-area sound motion pictures, 8mm. Pt. 2. Recording, Kuehn, 73: 547, July 1964

MAGNETIC

American Standard, 8mm Azimuth Test Film, Per-

1R-1500, Magnetic Type, PH22.129-1962, 71: 856, Nov. 1962 (Proposed, 70: 830, Oct. 1961)

American Standard, 8mm 400-Cycle Signal Level Test Film, Magnetic Type, Perforated 1R-1500, PH22.130-1962, 71: 857, Nov. 1962 (Proposed 70: 832, Oct. 1961)

American Standard, Proposed, Four-Track Magnetic Sound for 35mm Release Prints, PH22.137, 71: 109, Feb. 1962

American Standard, Proposed, Magnetic Coating of 8mm Motion-Picture Film, Perforated 1R-1500, PH22.88, 71: 188, Mar. 1962

American Standard, Proposed, Magnetic Coating of 16mm Motion-Picture Film, Perforated 2R-3000, PH22.101, 71: 188, Mar. 1962

American Standard, Magnetic Sound Record on 8mm Motion-Picture Film, Perforated 1R-1500, PH22.135-1962, 71: 859, Nov. 1962

American Standard, Magnetic Striping of 16mm Prints Having Magnetic-Photographic Sound Records, PH22.127-1962, 71: 854, Nov. 1962

American Standard, Proposed, Magnetic Sound Record on 8mm Motion-Picture Film, Perforated 1R-1500, PH22.135, 70: 989, Dec. 1961

American Standard, Proposed, Magnetic Coating of 16mm Magnetic-Photographic Sound Record, PH22.127, 70: 534, July 1961

American Standard, Proposed, 200-mil Magnetic Sound Record on 16mm Film Base, Perforated 1R-3000, PH22.97, 71: 941, Dec. 1962

American Standard, 200-Mil Magnetic Sound Records on 35mm and 171/2mm Motion-Picture Film, PH22.86-1962, 71: 373, May 1962

Audio scoring, dubbing, transfer techniques in video-tape productions, Silva, 70: 419-425, June 1961

8mm color positive release prints with magnetic sound: progress report, R. Colburn, 70: 603-606, Aug. 1961

ISO Recommended Practice R 162, Location of Recording Heads for Three Magnetic Sound Records on 35mm Film and One Magnetic Sound Record on 17.5mm Film, 70: 44, Jan. 1961

ISO Recommended Practice R 163, Magnetic Striping of 16mm Film Perforated Along Both Edges, 70: 44, Jan. 1961

Location recording techniques, Clink, 70: 96-98, Feb. 1961

Magnetic sound equipment round-up, 8mm, 71: Branch, 60-66, Jan. 1962

Magnetic striping 8mm sound film, developments, Schmidt, 70: 607-610, Aug. 1961

Synchronizing system using magnetic tape, Ryder, 70: 426-428, June 1961

PHOTOGRAPHIC

American Standard, Intermodulation Tests for 16mm Variable-Density Photographic Sound Prints, PH22.51-1961, 70: 536-537, July 1961

American Standard, Proposed, Magnetic Coating of 16mm Magnetic-Photographic Sound Record, PH22.127, 70: 534, July 1961

American Standard, 16mm 400-Cycle Signal-Level Test Film, Photographic Type, PH22.45-1962, 71: 859, Nov. 1962

American Standard, 35mm Photographic Sound Motion-Picture Film, Usage in Projector, 70: 535, July 1961

Photographic sound for 8mm film, Maurer, 70: 618-624, Aug. 1961

Recorder for motion-picture sound, self-contained, Stancil, 70: 597-599, Aug. 1961

Sound Reproduction

American Standard, Dimensions of Four-Track Magnetic Sound Records for 35mm Release Prints, 73: 23, Jan. 1964

American Standard, Dimensions of Magnetic Striping of 8mm Motion-Picture Film, Perforated 1R-1500, PH22.88-1963, 72: 493, June 1963

American Standard, Dimensions of Magnetic Striping of 16mm Motion-Picture Film, Perforated 2R-3000, PH22.101-1963, 72: 494, June 1963

American Standard, Dimensions for 200-Mil Magnetic Base Sound Record on 16mm Film Base, Perforated 1R-3000, PH22.97-1964, 73: 220, American Standard, Scanning Beam Uniformity Test Film for 16mm Motion-Picture Sound Reproducers (Service Type), Z22.81-1950, Withdrawn, 71: 854, Nov. 1962

American Standard, Scanning-Beam Uniformity Test Film for 35mm Motion-Picture Sound Reproducers (Laboratory Type), PH22.66-1948, Withdrawn, 71: 854, Nov. 1962

American Standard, 8mm Flutter Test Film, Perforated 1R-1500, Magnetic Type, PH22.128-1962, 71: 855, Nov. 1962

American Standard, 8mm Multifrequency Test Film, Perforated 1R-1500, Magnetic Type, PH22.131-1962, 71: 858, Nov. 1962

American Standard, Proposed, Projector Usage of 35mm Release Prints With Four-Track Magnetic Sound Records, PH22.103, 73: 888, Oct. 1964

American Standard, Proposed, Specifications for Scanning-Beam Uniformity Test Film for 16mm Motion-Picture Sound Reproducers, PH22.80, 74: 796, Sept. 1965

American Standard, Proposed, Specifications for 16mm 3,000-Cycle Flutter Test Film, Magnetic Type, PH22.113, 74: 796, Sept. 1965

American Standard, Specifications of 16mm Buzz-Test Film, Photographic PH22.57-1963, 72: 493, June 1963

American Standard, Specifications of 16mm 400-Cycle Signal Level Test Film, Perforated 1R-3000, Magnetic Type, PH22.132-1963, 72: 494, June 1963

8mm magnetic sound-on-film projector, problems in design, Thompson, 70: 588-589, Aug. 1961

8 mm sound-print quality, format factors affecting, Edwards and Chandler, 73: 537-543, July 1964

(Re:) Infrared transparency of magnetic tracks, letter to the editor, George Lewin, 70: 909, Nov. 1961

Flutter index concept, Comerci, 71: 1-8, Jan. 1962 Magnetic sound, selective multitrack, synchronized with 8mm motion pictures, Hennessey, 71: 660-661, Sept. 1962

Magnetic-striping, azimuth-plateau effect, frequency response, 16mm, 8mm film, survey, 71: 147-156, Mar. 1962

Multilingual films, preparation and projection, Tressel and Andrews, 74: 1103, Dec. 1965

Multilingual sound installation, Palace of Science, Brussels World Fair, Van Weyenbergh, 70: 848, Oct. 1961

Photographic sound, 8mm film, Maurer, 70: 618-624, Aug. 1961

Rear-screen projector, 8mm films with magnetic sound stripe, Hennessey, 70: 590-592, Aug. 1961

Reverberation facilities, artificial, auditoriums and audio systems, Crane and Brookes, 70: 809-814, Oct. 1961

(Re:) Sound-delay systems (Dussault, Nov., pp. 843-848): letters to the editor, Wunder, Dussault, Vides, 73: 222-223, Mar 1964

Sound-print quality, 8mm, format factors, Edwards and Chandler, 73: 537-543, July 1964

Sound negatives and prints, standardization, Pt. II, Albin, 74: 122-124, Feb. 1965

Soundtracks, 16mm variable-area, quality control, small studios, Williams and Strong, 73: 792-796, Sept. 1964

Tape reproducing equipment, modifications, for use with pilot-tone synchronization system, Epstein and O'Donnell, 70: 972-975, Dec. 1961

Variable-area sound, trouble chart, Schuller, 73: 883-887, Oct. 1964

Wow and flutter indicator, wide range, Cox, 71: 9-12, Jan. 1962

Wow and flutter/time displacement error, McKnight, 71: 428, June 1962

Space Technology

Apollo spacecraft, command module, television camera system, Lowrance and Zucchino, 74: 79-83, Feb. 1965

Astronomy applications, television camera tubes, capabilities, prospects, Cope, Luedicke and Flory, 74: 765-769, Sept. 1965

Brightness contouring, electronic, Hallows, 70: 23-27, Jan. 1961

Cinespectrograph, reentry measurements, Plakun and Schupp, 74: 25-27, Sept. 1965

- Cloud pictures from Tiros satellite, interpretation, Conover, 71: 21-25, Jan. 1962
- Film recorder, electron beam, feasibility model, development, *Poch*, **73**: 778-782, Sept. 1964
- High-intensity lighting (HIL), photography of launch operations, NASA Project Apollo, Kerr, 74: 73-79, Feb. 1965
- Infrared tracking mounts, acquisition technique, *Plakun*, **72**: 795-798, Oct. 1963
- Lasers, applications, D'Haenens and Buddenhagen, 71: 828-832, Nov. 1962
- (Re:) Lunar albedo (letter to the Editor), Hardy, 74: 1028, Nov. 1965
- Lunar orbiter: photographic satellite, Kosofsky and Broome, 74: 773-778, Sept. 1965
- Lunar orbiter, visual instrumentation system, Bingley, 74: 84-89, Feb. 1965
- Lunar photography, autostereoscopic, *Dudley*, 70: 799-803, Oct. 1961
- Mars spacecraft photographic system, Allen, 74: 497-500, June 1965
- Meteorological satellites, TV camera system, automatic picture transmission, *Stampfl* and *Stroud*, 73: 130-134, Feb. 1964 (Erratum, p. 223, Mar. 1964)
- Photographic instrumentation, reentry measurements, *Planet*, 74: 95-98, Feb. 1965
- Photo-tape frame-camera system, experimental, Poch, 74: 18-25, Jan. 1965
- Pinhole optics, simulators, Gallas, Gilbert and Hitterdal, 74: 321-323, Apr. 1965
- Project Telstar: communications experiment, Kelly (adaptation), 72: 91-96, Feb. 1963
- Satellite broadcasting, factors affecting, Martin and Jacobs. 71: 436-439, Nov. 1962
- Satellite tape recorders, design, after Tiros I, Burt, Clurman and Wu, 72: 787-791, Oct. 1963
- Space age, electronic and motion-picture systems, Kreuzer, 70: 961-966, Dec. 1961
- Space camera systems, optimum focusing, *Herczeg*, 74: 649-654, Aug. 1965
- Television film recorder, slow-scan, Canvel. 74: 770-773, Sept. 1965
- Space photography, capsule ejection, Mollberg, 73: 481-490, June 1964
- Telstar (abstracts from Bell System Technical Journal), 72: 986-991, Dec. 1963
- Telstar, optical measurements, spin axis, spin rate, Courtney-Pratt, Hett, McLaughlin, 72: 462-484, June 1963
- Titan II, flight program, engineering photography, Smith, 74: 246-249, Mar. 1965 (see Errata, p. 1029, Nov. 1965)
- TV imagery simulator, Smith and Baumunk, 70: 27-32, Jan. 1961
- Video-modulation, space television, test system, Southworth, 74: 307-313, Apr. 1965
- Vidicon, slow-scan, space astronomy, Malling, 72: 872-875, Nov. 1963
- Television system, Stratoscope II, Flory, Pike, Morgan and Boyer, 73: 3-8, Jan. 1964

Special Effects and Set - Construction

(see also Studios)

- Art direction, technical approach, design and construction, *Ames*, 71: 751-752, Oct. 1962
- Bell system ride, problems, solutions, motionpicture, sound, *Mintz*, 74: 681-684, Aug. 1965
- (Re:) Birefringent screen (letter to the Editor), Askowith, 74: 801, Sept. 1965
- Blue-screen technique, black-and-white applications, Westheimer, 73: 949-950, Nov. 1964
- Norman O. Dawn, pioneer, special effects, Fielding, 72: 15-23, Jan. 1963
- Laced process, rear projection, new system, Gillespie, 73: 947-948, Nov. 1964
- Light, use in macrocinematography, Everest, 71: 664-667, Sept. 1962
- Motion-picture paint technology, *Jolley* and *Jolley*, 71: 757-759, Oct. 1962
- Motion-pictures design perspective, elementary, Gentleman, 72: 609-613, Aug. 1963
- Motion-picture set construction, scope and function, Martin, 71: 753-754, Oct. 1962
- Pin registration, Robertson, 72: 75-81, Feb. 1963 Prop fabrication, materials and processes, Burks, 71: 756-757, Oct. 1962

- Registration systems, film, process photography, *Kiel*, 71: 493-494, July 1962
- Scenic art, motion-picture, Gibson, 71: 762-764, Oct. 1962
- Set construction and special effects, introduction to symposium, Meyer, 71: 751, Oct. 1962
- Special effects, electronic, television, *Messerschmid*, 73: 468-472, June 1964
 Special effects, motion-picture and TV production,
- Ponedel, 71: 760-761, Oct. 1962 Special photographic effects, low budget production,
- Gentleman, 71: 487-492, July 1962 Staff department, technical activities, Stout, 71:
- 754-755, Oct. 1962 Traveling-matte photography, blue screen system. Beyer. 74: 217-239, Mar. 1965

Standards and Recommendations

(see the specific subject headings or the Index to American Standards and SMPTE Recommended Practices which lists all standards now in effect)

- American Standards program, SMPTE, Alden, 71: 850-853, Nov. 1962
- Color print quality, 8mm sound, Staud and Hanson, 71: 557-562, Nov. 1962
- Early history of the Society, work of standardization, Matthews, 72: 196-202, Mar. 1963
- 8mm magnetic sound standards, methods of test film production, *D'Arcy*, 71: 105-108, Feb. 1962
- Film, motion-picture, size, dimensional characteristics, *Miller* and *Robertson*, 74: 3-11, Jan. 1965 Films and frames, dimensions, motion-picture sys-
- tems (abridged translation), Goldovskii, 73: 544–545, July 1964
- International Organization for Standardization, meeting, Milan, Italy, Alden, 74: 529, June 1965
 International standardization, Alden, 74:
- International standardization, Alden, 74
- International standardization, decisions of 1961 ISO/TC 36, Alden, 71: 32-37, Jan. 1962
- International Standards Organization, 1961 Technical Committee 36 Meeting, *White*, **70**: 967-968, Dec. 1961
- (Re:) Production procedure for American Standards (letter to the Editor), Arnold, 74: 253, Mar. 1965
- Slide processing, television, precision registration equipment, *Benson* and *Whittaker*, 74: 15-18, Jan. 1965
- Small-format films, American Standards, White, 73: 580-581, July 1964
- Sound negatives, prints, standardization, *Albin*, 71: 846-850, Nov. 1962; Pt. II, 74: 122-124, Feb. 1965
- Standards availability, 70: 41, Jan. 1961
- Universal leader, release prints, SMPTE, Olding, 74: 34-35, Jan. 1965
- Vacuum guide in transverse track video-tape recorders, standard for positioning, *Lind*, **70**: 485-588, July 1961
- Video-tape standards, committee report, Morris, 72: 488-490, June 1963

Studios

(see also Production; Special Effects; Television)

- Accoustical engineering principles in studios and review rooms, applications, *Snow*, 70: 33-38, Jan. 1961
- BBC Television Centre, scenery handling, Ackerman, 71: 269-271, Apr. 1962
- BBC Television Centre, studio lighting, Ackerman, 71: 266-268, Apr. 1962
- Brigham Young University, motion-picture studio, Stum and Goodman, 70: 165-168, Mar. 1961
- CBS-KNXT Hollywood TV Broadcasting Center, O'Brien, Monroe, Whalley and Evans, 71: 251-265, Apr. 1962
- Film production center, electrical installation techniques, *Mann* and *Leigh*, 70: 863-868, Nov. 1963
- Film studios, Hamburg, Germany, Parnow, 72: 948-950, Dec. 1963
- Scientific films, German Institute, Greenhill, 71: 294-298, Apr. 1962

- Sound facilities, studio, advanced, India, Jamas, 70: 413, May 1961
- Unusual films, Bob Jones University, motion-picture production, Stenholm, 70: 160-165, Mar. 1961

Television

(see also Education; Space Technology; Video Tape)

CAMERAS AND PICKUP EQUIPMENT (including Lenses)

- Astronomical applications, programable, integrating television camera, *Boyer, Flory, Morgan* and *Pike*, 74: 760-765, Sept. 1965
- Automatic-sequencing equipment, television, Grace and Spicer, 70: 150-155, Mar. 1961
- Automatic switching control, television, digital computers, Ettlinger, 70: 145-149, Mar. 1961
- Camera channels, operationally simplified, Partington, 71: 429-435, June 1962
- Camera tubes for studio use—a semitechnical appraisal for educators, Wentworth, 72: 153-157, Mar. 1963
- Color television film camera, transistorized, *Taylor*, 74: 927-929, Oct. 1965
- Color television, optical system, camera, *Nomura*, 73: 120-124, Feb. 1964
- Image-orthicon camera tube, resolution capability, nonstandard scan conditions, *Livingston*, 72: 771-786, Oct. 1963
- Image orthicon, noise analysis, Vine, 70: 432-435, June 1961
- Image-orthicon transistor television cameras, power supplies, *Matchell, Hale* and *Hayden-Pigg, 72:* 455-461, June 1963
- Picture characteristics, image-orthicon, vidicon camera tubes, *Neuhauser*, 70: 696-698, Sept. 1961
- Plumbicon color broadcast camera, de Haan and van Doorn, 74: 922-926, Oct. 1965
- Plumbicon, camera tube, lead oxide layer, de Haan and van Doorn, 473-476, June 1964
- Plumbicon monochrome broadcast camera, Ray,
- Dunn and Pounds, 74: 918-922, Oct. 1965 Program switching, computer control system, CBS-
- KNXT, Ettlinger, 70: 691-695, Sept. 1961 Pulse re-forming technique, pulse distribution am-
- pliffer, Banks, 72: 931-937, Dec. 1963 Sensitivity, image-orthicon tubes, letter to the edi-
- tor, Shadle, 71: 711, Oct. 1962 Shutter and intermittent, video-recording camera,
- Shutter and intermittent, video-recording camera
 Palmer, 71: 167-169, Mar. 1962
- SMPTE Recommended Practic RP 9, Proposed, Slide Mount for 2 X 2 Slides for Television Use, 70: 43, Jan. 1961
- Stability Criteria for television camera tubes, Sad-ashige, 71: 419-428, June 1962
- Standards conversion, television, Japan (reprint), 70: 159, Mar. 1961
- Standards converter, television, Europe and North America, Lord, 70: 156-159, Mar. 1961
- Studio television cameras, advanced developments, Pay and Mayer, 74: 927-929, Oct. 1965
- Television camera tubes, new, in perspective, Neuhauser, 70: 979-982, Dec. 1961
- Television lenses, long focal length, electronically, Himelfarb, 74: 240-242, Mar. 1965
- Video circuits, transistor television cameras, Bray and Hayden-Pigg, 72: 853-859, Nov. 1963
- Video monitoring, recording, 35mm reflex camera system, Di Giulio, 74: 600-601, 611, July 1965
- Vidicon, electrostatically focused, Kuehne and Neuhauser, 71: 772-775, Oct. 1962
- Vidicon light-transfer characteristics, film reproduction, Neuhauser, 70: 791-794, Oct. 1961

CLOSED-CIRCUIT

- Air Force Systems Command, closed-circuit television, management aid, *Farmer*, 72: 148-149, Mar. 1963
- Closed-circuit television meeting, Canadian, nationwide, Wise and French, 72: 628-630, Aug. 1963
- Television, high-sensitivity, aid to low-light-level photographic recording, *Bang*, 70: 719-724, Sept. 1961
- Location recording techniques, new approach, Clink, 70: 96-98, Feb. 1961

COLOR

- Color errors, television cameras, analysis, Abrahams, 72: 595-601, Aug. 1963
- Color film production for television. Waner, 73: 411-414, May 1964
- Color release prints, infrared transmission characteristics, effects on color television reproduction, Kozanowski, 73: 939-940, Nov. 1964
- Color television, optical system, camera, Nomura, 73; 120-124, Feb. 1964
- Color television camera matching techniques, Bertero, 72: 602-605, Aug. 1963
- Color television film camera, transistorized, Taylor, 74: 927-929, Oct. 1965
- E.B.U. ad hoc group on color television (reprint), Theile, 72: 860-862, Nov. 1963
- Plumbicon color broadcast camera, de Haan and van Doorn, 74: 922-926, Oct. 1965
- Studio television cameras, advanced developents, Pay and Mayer, 74: 927-929, Oct. 1965
- Television fader-mixer amplifier, solid-state, Kave. 74: 602-606, July 1965
- (Re:) Television standards, demand (letter to the Editor), Barlow, 74: 1028-1029, Nov. 1965

EDUCATIONAL

- Airborne television instruction, midwest program, MPATI staff, 72: 175-176, Mar. 1963
- Army personnel, training, motion pictures and television, Gallez, 72: 281-283, Apr 1963
- Dental teaching, closed-circuit television, new techniques, DiSanto, 73: 770-772, Sept. 1964
- Director-controlled TV, LASC, Loper, 72: 158-159, Mar. 1963
- Educational broadcasting, television tape recording, application and scope, Loper and Stucker, 72: 151-153, Mar. 1963
- Educational facilities, systems engineering approach, Wentworth, 72: 659-663, Sept. 1963
- Educational television, 8mm film system, Stillman and Burgess, 74: 750-753, Sept. 1965
- Educational television, Los Angeles, Blyth, 72: 145-147, Mar. 1963
- Educational television production-director or instructor-controlled, Loper and Bretz, 72: 158-160,
- Mar. 1963 Educational television program production center, random access audio-visual system, Cornberg, 72:
- 663-667, Sept. 1963 Engineering course, teaching, dual-monitor closedcircuit television, Blatherwick, 74: 745-784, Sept.
- 1965 Film and television production, worldwide training,
- Williams, 72: 279, Apr. 1963 Instructional communication, television as means of
- (Intro.), Lovell, 72: 145, Mar. 1963 Instructional television materials, time compres-
- sion, method, Loper, 73: 753-755, Sept. 1964 Instructor-controlled TV, UCLA, Bretz, 72:
- 159-160, Mar. 1963
- Medicine, Education, Motion Pictures, Television (Introduction), Ray, 74: 729, Sept. 1965
- Motion pictures, television and education, introduction, Knudsen, 73: 753, Sept. 1964
- Professional or amateur television? Callaci, 73: 769-770, Sept, 1964
- Program preparation, school television, developments, Stephenson, 73: 767-769, Sept. 1964
- Roentgen diagnosis, cine and TV methods of analyzing search, Potsaid, 74: 731-736, Sept. 1965
- Television and the university, Stanley, 72: 287-289, Apr. 1963
- Television, versatile servant of the health sciences, Romano, 74: 107-109, Feb. 1965
- University of Miami, visual communications center. new design, Beal, 72: 170-174, Mar. 1963
- Video-tape production, mobile, educational television, Morash, 73: 764-766, Sept. 1964
- Video-tape recorder, mobile, instructional television, Winslow, Isberg and Frye, 72: 168-170, Mar.
- Video tape to film, educational TV, Ray, McDermott and Mayer, 71: 620-623, Aug. 1962

FILMS AND FILM RECORDING

American Standard, Dimensions for Television Image Area on 16mm Motion-Picture Film,

- PH22.96-1963, 72: 816, Oct, 1963 (Proposed, 71:
- American Standard, Dimensions for Television Image Area on 35mm Motion-Picture Film, PH22.95-1963, 72: 816, Oct. 1963 (Proposed, 71: 373, May, May 1962)
- Cablefilm equipment, Wood, Padel, and Rainger, 70: 494-498, July 1961
- Cathode-ray tube, photographic-film characteristics, film recording for television, Sadowsky, 70: 81-85, Feb. 1961
- Color film production for television. Warner, 73: 411-414, May 1964
- Color kinescope recording, current experimentation, status report, Duke, 72: 711, Sept. 1963
- Color release prints, infrared transmission characteristics, effect on color television reproduction, Kozanowski, 73: 939-940, Nov. 1964
- Color television film camera, transistorized, Taylor, 74: 927-929, Oct. 1965
- (Re:) Compatibility letter to the Editor, Barlow, 73: 492, June 1964
- Data recording, photographic, direct exposure, electrons, Tarnowski and Evans, 71: 765-768, Oct. 1962
- Film recorder, electron beam, feasibility model, development, Poch, 73: 778-782, Sept. 1964
- Film recording, TV, shutter-bar, Evans, 70: 898-903, Nov. 1961
- Motion-picture design perspective, elementary, Gentleman, 72: 609-613, Aug. 1963
- News in television, film techniues, Laidlaw, 72:, 631-632, Aug. 1963
- Safe title area, television preview monitor screens, method of marking, Boor, 72: 700-701, Sept.
- SMPTE Recommended Practice RP 7, Proposed, Density and Contrast Range of Black-and-White Films and Slides for Television, 70: 989, Dec. 1961
- SMPTE Recommended Practice RP 7, Density and Contrast Range of Black-and-White Films and Slides for Television, 71: 369, May 1962
- Telecine systems, review, Morse, 73: 548-560, July 1964
- Telefilm exposure control, exposure meters and measuring techniques, Wright, 74: 577-587, July
- Television film chain, basic optics, Lyman and Neumer, 72: 6-10, Jan. 1963
- Television film exposure, monochrome, speed indexing, factors affecting, Wright, 73: 305-313, Apr.
- Television film production, European, Hinze, 72: 11-14, Jan. 1963
- Television film recorder, slow-scan, Canvel, 74: 770-773, Sept. 1965
- Television film recording, slow-motion playback, Whittaker, 71: 578-579, Aug. 1962
- Television film recording, technical problems (reprint) *Palmer*, 74: 1069-1084, Dec. 1965
- Television x-ray image amplifer, Holmes and Liggins, 74: 102-104, Feb. 1965
- Video film, defense communications, Steel, 72: 149-151, Mar. 1963
- Vidicon, high-resolution, design and performance, Neuhauser, Vine, Kuehne and Robinson, 71:

GENERAL

833-837, Nov. 1962

- American Standard, Dimensions and Optical Specifications of Test Slides and Transparencies for Television, PH22.144-1965, 74: 429, May 1965 (Proposed, 73: 337, Apr. 1964)
- Audio level control, broadcasting, recording, improved method, Lawrence, 73: 661-663, Aug.
- BBC Television Centre, scenery handling, Ackerman, 71; 269-271, Apr. 1962
- Black-and-white television monitoring and video levels: letter to the editor, Barlow, 71: 166, Mar.
- Broadcasting Center, CBS-KNXT Hollywood, O'Brien, Monroe, Whalley and Evans, 71: 251-265, Apr. 1962
- Camera unit, 16mm film, vidicon television, combination, Back, 74: 1096, Dec. 1965
- Creating an industry, Pt. I, formation and growth of RCA; Pt. II, television development within RCA,

- Bitting, (intro. by Glenn E. Matthews), 74: 1015-1023, Nov. 1965
- Electron gun, television cameras, improved high resolution, Gray, Murray and Ziemelis, 72: 792-794,
- (Re:) Errata in "Vidicon light-transfer characteristics and film reproduction" (Neuhauser, Oct. 1961, pp. 791-794): letter to the editor, Fukuda/Neuhauser, 72: 418, May 1963
- Hollywood Section, TV Symposium, 71: 782, Oct.
- Letters superimposed in TV pictures, method of edging, Matsuyama, Takatsuji and Miyagishima, 71: 579-580, Aug. 1962
- Mission, southeast Asia, television specialist, Bretz, 73: 808-813, Sept. 1964
- Motion-picture equipment, location, newsreel, Rigg, 73: 775-777, Sept. 1964
- Overhead television-electronic visual aid, Bretz. 72: 161-164, Mar. 1963
- Signal generator, Myles and Reid, 70: 822-828, Oct.
- Slide processing, television, precision registration equipment, Benson and Whittaker, 74: 15-18, Jan. 1965
- SMPTE Recommended Practice, RP 13, Proposed, Safe Action Area for TV Transmission, 72: 407, May 1963
- S.S. France, television installation, van der Spank, 72: 552-558, July 1963
- Television mobile-unit design, Rosner, 74: 514-517, June 1965
- Television production techniques, Lingeman, 72: 630-631, Aug. 1963
- TV scanning rates, standardization, consideration of conversion factors, Barlow, 72: 104-107, Feb. 1963
- Television, sound-mixing equipment, solid state, Manning, 73: 788-791, Sept. 1964
- Television transmitter frequency response, new graticule for measuring, Barlow, 73: 940-941, Nov.
- Television transmitters, high-power, operation in parallel, Barlow, 72: 1-5, Jan. 1963
- TV camera preamplifiers, study of noise, Sadashige, 73: 202-206, Mar. 1964
- Wavefront reconstruction television facsimile system, Leith, Upatnieks, Hildebrand and Haines, 74: 893-896, Oct. 1965
- X-ray inspection, closed-circuit TV, Mitchell and Rhoten, 71: 444-447, June 1962

INTERNATIONAL

- Standards conversion techniques, CBS-TV, Benson, 70: 628-632, Aug. 1961
- Standards conversion, television, Japan, reprint, E. B. U. Review, 70: 159, Mar. 1961
- Standards converter, television Europe and North America, Lord, 70: 156-159, Mar. 1961

LIGHTING

- Nomenclature TV studio lighting, committee report, Gill. 73: 495, June 1963
- Spot photometers, exposure control, Field, 74: 592-593, July 1963

MILITARY

Data acquisition, closed-circuit television, Hill, 74: 249-251, Mar. 1965

PICTURE QUALITY

- Image dissector, novel application, Papp, 74: 782-783, Sept. 1965
- Image distortions, misalignment, headwheel vacuum guide, Tager, 73: 1029-1939, Dec. 1964
- Image-orthicon and vidicon camera tubes, picture characteristics, Neuhauser, 70: 696-698, Sept.
- Medical fluoroscopy, television, cine systems, contrast, detail perception, Webster and Wipfelder, 73: 617, 621, Aug. 1964 Monitoring, video levels, TV, black-and-white, Pt. I,
- Picture waveform generation; Pt. II, Black-andwhite monitoring, video levels, Wright, 70: 882-897, Nov. 1961
- Photographic image quality, resolving power, evaluation, Schade, 73: 81-119, Feb. 1964

- Picture monitors, television studios, operational adjustments, Siocos, 74: 11-14, Jan. 1965
- SMPTE Recommended Practice, RP 8, Safe Title Area for TV Transmission, 70: 541, July 1961
- Special effects, electronic, television, *Messerschmid*, 73: 468-472, June 1964
- Telecine test materials, specified density, method of producing, *Holmes*, 70: 699-701, Sept. 1961
- Television images, crispener circuit, Brown, 72: 849-853, Nov. 1963
- Television reproduction, film granularity, analysis (reprint), *Hacking*, 73: 1015-1029, Dec. 1964
- Television transmitter performance, checking, transient-test methods, *Barlow*, 74: 114-117, Feb. 1965
- Vidicon light-transfer characteristics, film reproduction, Neuhauser, 70: 791-794, Oct. 1961
- Vidicon-telecine operating standards, CBC, grayscale characteristics, Quinn and Dickson, 73: 1009-1015, Dec. 1964
- Waveform generators, television testing, *Butt* and *Iles*, 74: 1009-1013, Nov. 1965

PROJECTION

Overhead television—electronic visual aid, *Bretz*, 72: 161-164, Mar. 1963

SATELLITE AND SPACE COMMUNICATION

- Apollo spacecraft, command module, television camera system, Lowrance and Zucchino, 74: 79-83, Feb. 1965
- Astronomical applications, programable, integrating television camera, *Boyer, Flory, Morgan* and *Pike*, 74: 760-765, Sept. 1965
- Astronomy applications, television camera tubes, capabilities, prospects, *Cope, Luedicke* and *Flory*, 74: 765-769, Sept. 1965
- Electronic brightness contouring, *Hallows*, 70: 23-27, Jan. 1961
- Mars spacecraft photographic system, Allen, 74: 497-500, June 1965
- Meteorological satellites, TV camera system, automatic picture transmission, Stampfl and Stroud, 73: 130-134, Feb. 1964 (Erratum, p. 223, Mar. 1964)
- Satellite Broadcasting, factors affecting, Martin and Jacobs, 71: 436-439, June 1962
- Space age, electronic and motion-picture systems, *Kreuzer*, 70: 961-966, Dec. 1961
- Space camera systems, optimum focusing, *Herczeg*, 74: 649-654, Aug. 1965
- Television film recorder, slow-scan, Canvel, 74: 770-773, Sept. 1965
- Television system, Stratoscope II, Flory, Pike, Mor-
- gan and Boyer, 73: 3-8, Jan. 1964 TV imagery simulator, Smith and Baumunk, 70: 27-32, Jan. 1961
- Video-modulation, space television, test system, Southworth, 74: 307-313, Apr. 1965
- Vidicons, operation, unusual environmental conditions, Robinson, 70: 264-266, Apr. 1961

SUBSCRIPTION

Key TV, subscription television, Townsend, 71: 157-160, Mar. 1962

Telemeter pay TV, Court, 71: 161-166, Mar. 1962

SWITCHING EQUIPMENT

- Automation, television studio program production, Hayashi, Yoshirhara, Hosoi, Umiuchi and Hara, 73: 942-946, Nov. 1964
- Switching equipment, television, using uniselectors, Mirzwinski, 73: 465-467, June 1964
- Television, fader-mixer amplifier, solid-state, *Kaye*, 74: 602-606, July 1965
- Television signals, nonadditive mixing, Hurford, 73: 658-660, Aug. 1964

Theaters

- Acoustics, Cinerama Theatre, Rettinger, 73: 566-567, July 1964
- American Standard, Screen Luminance for Indoor Theaters, PH22.124-1961, 70: 730-731, Sept. 1961
- Colonial Williamsburg Theaters: Motion-picture system from camera to viewer, Schlanger, 70: 680-685, Sept. 1961
- Drive-in installation, bilingual, De Renzis, 70: 850-854, Oct. 1961

Time-Lapse Cinematography

- Biology, medicine, time-lapse cine technique, *Lefe-ber*, 73: 631-634, Aug. 1964
- Flour beetles, population behavior, time-lapse photographic method for studying, *Gilbert*, 74: 901-904, Oct. 1965
- Living tissues, medical research and teaching, cinephotomicroscopy, Wood, 74: 737-740, Sept. 1965
- Pan, tilt, rotation devices, motor-drive, motionpicture camera, Gentleman, 74: 332-334, Apr. 1965
- Time-lapse cinematography, related arts, *Roger*, 70: 259-264, Apr. 1961
- Time-lapse photography, modification of Zeiss Ultraphot II microscope, *Shapira*, 74: 1001-1005, Nov. 1965

Thermoplastic Recording

- Thermoplastic recording: progress report, *Glenn*, 74: 663-665, Aug. 1965
- Thermoplastic recording tape systems, Kirk, 74: 666-668, Aug. 1965
- Thermoplastic recorders, Glenn, 71: 670-673, Sept., discussion, 837, Nov. 1962

Underwater Photography

Undersea instrumentation, photographic, video documentation, Selvidio, 74: 324-328, Apr. 1965

Video Tape

- American Standard, Dimensions of 2-In. Video Magnetic Tape Reels, C98.5-1965, 74: 338, Apr. 1965 (Proposed, 72: 406, May 1963)
- American Standard, C98.6-1965, Dimensions of Video, Audio and Tracking Control Records on 2-In. Video Magnetic Tape, C98.6-1965, 74: 338, Apr. 1965 (Proposed, 73: 337, Apr. 1964)

- American Standard, Proposed, Specifications for Monochrome Video Magnetic Tape Leader, VTR 16.3, 70: 381, May 1961
- Audio scoring, dubbing, transfer techniques, videotape productions, Silva, 70: 419-425, June 1961
- Color film production for television, Waner, 73: 411-414, May 1964
- Electrical signals on magnetic tape, transverse stroke recording (translation), Sasin, 72: 958-959, Dec. 1963
- Electronic editing of magnetic television tape recordings, *Bounsall*, 71: 95-99, Feb. 1962
- Image distortions, misalignment, headwheel, vacuum guide, Tager, 73: 1029-1039, Dec. 1964
- SMPTE Recommended Practice RP 5-1964 (Revision of RP 5-1960) Dimensions of Patch Splices in 2-In. Video Magnetic Tape, 73: 333, Apr. 1964 (Proposed, 72: 881, Nov. 1963)
- SMPTE Recommended Practice RP 11, Tape Vacuum Guide Radius and Position for Recording Standard Video Records on 2-in. Magnetic Tape, 71: 186, Mar. 1962 (Proposed, 70: 829, Oct. 1961)
- SMPTE Recommended Practice RP 16-1964, Specifications of Tracking Control Record for 2-In. Video Magnetic Tape Recordings, 73: 416, May 1964
- SMPTE Recommended Practice RP 10, Signal Specifications for a Monochrome Video Alignment Tape for 2-in. Video Magnetic Tape Recording, 71: 512-513, July 1962 (Proposed, 70: 379-380, May 1961)
- Standard conversion techniques, CBS-TV, Benson, 70: 628-632, Aug. 1961
- Tape recorder, all-transistor, TV, Lind, 71: 933-936, Dec. 1962
- Tape recorder, television, portable broadcast, design parameters, *Horstkorta*, 73: 476-478, June 1964
- Time-base errors, correction in magnetic television recorders, *Harris*, 70: 489-494, July 1961
- Vacuum guide in transverse track video-tape recorders, standard for positioning, *Lind*, **70**: 485-488, July 1961
- Video-tape splicing (technical note), Maurin, 74: 790, Sept. 1965
- Video tape, animation editing, Mantel, 73: 561-565, July 1964
- Video tape to film, educational TV, Ray, McDermott and Mayer, 71: 620-623, Aug. 1962
- Video-tape production, mobile, educational television, *Morash*, 73: 764-766, Sept. 1964
- Video-tape standards, committee report, *Morris*, 72: 488-490, June 1963

Wide Screen Systems

- Colonial Williamsburg Theaters: wide-screen participation film, *Smith* and *Schlanger*, **70**: 627–685, Sept. 1961
- (Re:) Colonial Williamsburg theaters, wide-screen participation film (letter to the Editor), Carroll, 71: 31, Jan. 1962
- Film, motion-picture, size, dimensional characteristics, *Miller* and *Robertson*, 74: 3-11, Jan. 1965 Techniscope, *Pohl.*, 74: 121, Feb. 1965
- (Re:) Wide-screen film performance (letter to the Editor), Offenhauser, 74: 428, May 1965

Authors

Authors are listed alphabetically, followed by their coauthor listing. Titles of papers that are the work of two or more authors are given in entirety under each name. Papers are listed chronologically with the earlier appearing first. Volumes are designated by boldface numbers.

- Abderhalden, Norman L., Tressel, George W., Andrews, Stanley J., Jr., and Giroux, Daniel S., A Portable, Compact Motion-Picture Kit, 73: 954-955, Nov. 1964
- Abrahams, I. C., Analysis of Color Errors in Color Television Cameras, 72: 595-601, Aug. 1963
- Ackerman, K. R., Studio Lighting in the BBC Television Centre, London: Equipments and Techniques, 71: 266-268, Apr. 1962
- ---, Scenery Handling Methods and Equipments Introduced at the BBC Television Center, 71: 269-271, Apr. 1962
- Alberti, Heinz, Früngel, Frank and Thorwart, Walter, High-Speed X-Ray Flash Cinematography of Small Objects, 71: 90-92, Feb. 1962
- ----, Courtney-Pratt, J. S., McLaughlin, J. W., and Schramm, E. C., A Fiber Optics Camera for Recording Sequences of X-Ray Pictures, 71: 585-590, Aug. 1962
- Albin, Frederick G., Camera Drive Power, 71: 842-845, Nov. 1962
- ---, Standardization of Sound Negatives and Prints, 71: 846-850, Nov. 1962
- ---, Standardization of Sound Negatives and Prints-Pt. 11, 74: 122-124, Feb. 1965
- Alden, Alex E., International Standardization, 71: 32-37, Jan. 1962
- ---, The SMPTE and the American Standards Program, 71: 850-853, Nov. 1962
- — , Meeting of the International Organization for Standardization—October 11-23—Milan, Italy, 74: 529, June 1965
- -, International Standardization, 74
- Allen, J. Denton, A Mars Spacecraft Photographic System, 74: 497-500, June 1965
- Alles, F. P., Ultrasonic Splicing of Polyethylene Terephthalate Films, 70: 976-978, Dec. 1961
- Ames, E. Preston, Art Direction: The Technical Approach to Design and Construction, 71: 751-752, Oct. 1962
- Anderson, A. E., Goetze, G. W., and Kanter, H., The Astracon Tube and Its Application to High-Speed Photography, 70: 440-442, June 1961
- Andrews, Stanley J., Jr., Tressel, George W., Giroux, Daniel S. and Abderhalden, Norman L., A Portable, Compact Motion-Picture Kit, 73: 954-955, Nov. 1964
- ----- and Tressel, George W., An Aerial-Image Unit for Industrial Animation, 73: 956-957, Nov. 1964
- ——, and Tressel, George W., Electronic Control Unit for an Industrial Animation Camera, 73: 957-958, Nov. 1964
- and Tressel, George W., An Editing Bench for Industrial Film Production, 73: 959-960, Nov. 1964
- and Tressel, George W., Tape Control for Animation Photography, 74: 1101-1102, Dec. 1965
- ------ and Tressel, George W., Preparation and Projection of Multilingual Films, 74: 1103, Dec. 1965
- Anselm, C. D. and Reitz, K. R., Visual Titrimetric of Phenidone and Hydroquinone in Photographic Developers, 74: 669-670, Aug. 1965
- Arnold, Paul, Letter to the Editor, Re: Production Procedure for American Standards, 74: 253, Mar. 1965
- Askowith, Burton J., Reflectance Meter With Exposure-Control Advantages of Incident-Light Meter, 74: 590-591, July 1965
- - ..., Letter to the Editor Re: A Birefringent Screen, 74: 801, Sept. 1965
- Atkins, W. W., and Hall, Donald A., New Techniques for Measuring the Velocity of High-Speed Objects, 70: 634-636, Aug. 1961

- Bach, Walter, Magnetic-Striping "Azimuth-Plateau" Effect on Frequency-Response of 16mm and 8mm Film: An Engineering Survey, 71: 147-156, Mar. 1964
- Back, Frank G., A New Combination Camera Unit for 16mm Film Plus Vidicon Television, 74: 1096, Dec. 1965
- Bacon, Noel R. and Lindemeyer, Robert B., A New Heat-Developable Motion-Picture Print Film, 73: 213-215, Mar. 1964
- Bahler, W. H., Barnes, J. C. and Johnston, G. J.,
 Rapid Processing of a Panchromatic Negative
 Film by the Application of a Viscous Monobath,
 74: 242-245, Mar. 1965
- Bailey, Sam and Rial, Wayne, Two Applications Using Electronic Counters for Shuttering Scanned Image and Display Devices, 73: 876-879, Oct. 1964
- Baker, C. W. and Kage, E. W., A Simple Strip-Processing Technique for Evaluating Exposed Blackand-White or Color Negative Motion-Picture Films, 71: 838-841, Nov. 1962
- Bang, Bernhard A., High-Sensitivity Television as an Aid to Low-Light-Level Photographic Recording, 70: 719-724, Sept. 1961
- Banks, Arthur J., Pulse Distribution Amplifier With New Pulse Re-Forming Technique, 72: 931-937, Dec. 1963
- Barbrow, L. E., International Lighting Vocabulary, 73: 331-332, Apr. 1964
- Barlow, Michael W., Letter to the Editor: Blackand-White Television Monitoring and Video Levels, 71: 166, Mar. 1962
- ----, Letter to the Editor: Video Graticules, 71: 584, Aug. 1962
- ---, Operation of High-Power Television Transmitters in Parallel, 72: 1-5, Jan. 1963
- Consideration of TV Scanning Rates: Consideration of Conversion Factors, 72: 104-107, Feb. 1963
- ----, Letter to the Editor Re: Compatibility, 73: 492, June 1964
- ----, A New Graticule for Measuring Television Transmitter Frequency Response, 73: 940-941, Nov. 1964
- ----, Transient-Test Methods of Checking Television Transmitter Performance, 74: 114-117, Feb. 1965
- ----, Letter to the Editor Re: Demand for Television Standards, 74: 1028-1029, Nov. 1965 Barnes, Frank S., Physical Characteristics of Xenon
- Flashtubes, 73: 569-573, July 1964
 Barnes, J. C., Bahler, W. H. and Johnston, G. J.,
 Rapid Processing of a Panchromatic Negative
- Rapid Processing of a Panchromatic Negative Film by the Application of a Viscous Monobath, 74: 242-245, Mar. 1965
- Bauer, Eldon E., Organization and Operation of a Chain of Color Film Processing Laboratories, 70: 751-754, Sept. 1961
- Baumunk, J. F., and Smith, J. P., A Television Imagery Simulator, 70: 27-32, Jan. 1961
- Bayless, John A. and Bumpus, James N., Teaching Machines: A Challenging Market for 8mm, 71: 569-573, Aug. 1962
- Beal, C. Henderson, A New Design for a Visual Communications Center at the University of Miami, 72: 170-174, Mar. 1963
- Beard, Max, The Sixth International Congress on High-Speed Photography—A Review, 72: 536-540, July 1963
- Beckman, John C., Letter to the Editor: Re: Errata in "A General Survey of High-Speed Photographic Techniques," 72: 418, May 1963
- Beeler, Robert S., 8mm as a Means for Learning Motion-Picture Production, 71: 656-657, Sept. 1962

- Beeson, E. J. G., The Control of High-Power Xenon Flashes by Magnetic Switching, 70: 101-105, Feb. 1961
- Behrend, Jack, Motion-Picture Camera Design and Selection, 73: 12-17, Jan. 1964
- ---, Design and Construction Considerations for a 360° 16mm 10-Camera Rig, 73: 951-953, Nov.
- Bendick, Marc and Scott, William, Development of a Continuous Film Processor to Overcome Common Deficiencies, 72: 184-188, Mar. 1963
- Bennett, S. D., Grundhauser, F. J. and Dyke, W. P., A Fifty-Millimicrosecond Flash X-Ray System for High-Speed Radiographs, 70: 435-439, June 1961
- Benson, K. Blair, CBS Television Standards Conversion Techniques, 70: 628-633, Aug. 1961
- and Whittaker, J. R., Television Slide Processing and Precision Registration Equipment, 74: 15-18, Jan. 1965
- ---, A Gyro-Stabilized Lens System, 74: 916-918, Oct. 1965
- Bentham, Frederick P., Design of Lighting Control Consoles Used in British Television Studios, 70: 814-821, Oct. 1961
- Bertero, Edward P., Color Television Camera Matching Techniques, 72: 602-605, Aug. 1963
- Beyer, Walter, A New Cartridge-Type Projector for Home Motion Pictures and Other Applications, 70: 429-431, June 1961
- ---, Traveling-Matte Photography and the Blue-Screen System-A Tutorial Paper, 74: 217-239, Mar. 1965
- Bingley, F. J., A Visual Instrumentation System for a Lunar Orbiter, 74: 84-89, Feb. 1965
- Bitting, Robert C., Jr., Creating an Industry (Introduction by Glenn E. Matthews), 74: 1015-1023, Nov. 1965
- Blatherwick; A. A., The Use of Dual-Monitor Closed-Circuit Television in Teaching Engineering Courses, 74: 745-748, Sept. 1965
- Blizard, Gordon F. Jr., Optical Velocity Measurement System, 71: 925-926, Dec. 1962
- Blyth, Rose, Los Angeles and Educational Television, 72: 145-147, Mar. 1963
- Bohmer, Josef, Use of Single-System Production for Technical Film Reports, 71: 929-930, Dec. 1962
- Bongard, S., Rudakov, V. and N. Trofimova (Trans. Deane R. White, from *Tekh. Kino i Telev.*, Jan. 1965, p. 90), Visit to USA Motion-Picture Plants by Soviet Cine Specialists, 74: 562–564, June 1965
- Boor, John L., A New Method of Marking the Safe Title Area on Television Preview Monitor Screens, 72: 700-701, Sept. 1963
- Bounsall, Norman F., Electronic Editing of Magnetic Television Tape Recordings, 71: 95-99, Feb. 1962
- Bova, George and Schieman, Arnold, Motor Boating
 —A Laboratory Problem in 16mm Sound Release
 Printing, 71: 170-172, Mar. 1962
- Bowen, E. A. and Heppberger, C. E., Carbon Arcs for 16mm Film Projection, 73: 862-864, Oct. 1964
 Boy de la Tour, Roger, Accurate Coded Timing-Light Geography, 74: 232, 231, Apr. 1065
- Light Generator, 74: 328-331, Apr. 1965

 Boyer, L. A., Flory, L. E., Pike, W. S., and Morgan,
 J. M., The Stratoscope II Television System, 73:
 3-8, Jan. 1964
- ——, Flory, L. E., Morgan, J. M. and Pike, W. S., A Programable Integrating Television Camera for Astronomical Applications, 74: 760–765, Sept. 1965
- Bozzi, Giovanni, Trends in 70mm Projection Equipment, 70: 950-952, Nov. 1961
- Branch, Eyre, 8mm Magnetic Sound Equipment Round-Up, 71: 60-66, Jan. 1962
- ---, A Report on Commercial Use of 8mm

- Sound Prints, 72: 324-326, Apr. 1963
- Bray, D. and Hayden-Pigg, G. E., Video Circuits for Transistor Television Cameras, 72: 853-859, Nov. 1963
- Bretz, Rudy, Instructor-Controlled TV: Flexible,Economical "Self-Directed" System at UCLA,72: 159-160, Mar. 1963
- ---, Overhead Television—The Electronic Visual Aid, 72: 161-164, Mar. 1963
- ——, Central Projection: A New and More Practical System for the Utilization of Educational Films, 72: 165-167, Mar. 1963
- ——, and Loper, James L., Quality Educational Television Production—Director- or Instructor-Controlled, 72: 158-160, Mar. 1963
- ——, Television Specialist Mission in Southeast Asia, 73: 808-812, Sept. 1964
- Brish, William M., Eight Years of Instructional Television in Washington County, 74: 161-166, Feb. 1965
- Brixner, Berlyn, An Improved f/10 Sweeping-Image Camera: A Versatile Model for Explosive Research, 70: 180-188, Mar. 1961
- ——, Automatic Lens Design: Further Notes for Optical Engineers, 73: 314-320, Apr. 1964
- ——, Automatic Lens Design Illustrated by a 600mm f/2.0, 24° Field Lens, 73: 654-657, Aug. 1964
- ——, Letter to the Editor, Re: Automatic Lens Design, 74: 799-800, Sept. 1965
- Brookes, G. A., and Crane, G. R., Artificial Reverberation Facilities for Auditoriums and Audio Systems, 70: 809-814, Oct. 1961
- Broome, G. Calvin and Leon J. Kosofsky, Lunar Orbiter: A Photographic Satellite, 74: 773-778, Sept. 1965
- Brown, A. N. and White, D. J., The Case for Split 16mm Film, 71: 624-626, Aug. 1962
- Brown, Earl F., A New Crispener Circuit for Television Images, 72: 849-853, Nov. 1963
- Brown, Les and Di Giulio, Edmund M., A New 16mm Professional Magnetic Sound-on-Film Reflex Camera, 73: 873-876, Oct. 1964
- Brunton, J. H., The High-Speed Photography of Liquid/Solid Impact, 71: 173-177, Mar. 1962
- Buddenhagen, D. A. and D'Haenens, I. J., Lasers and Their Applications, 71: 828-832, Nov. 1962
- Bull, R. A., Reversible Projector Equipment for Review-Rooms, 70: 806-808, Oct. 1961
- Bumpus, James N. and Bayless, John A., Teaching Machines: A Challenging Market for 8mm, 71: 569-573, Aug. 1962
- Burgess, Don and Stillman, George, An 8mm Film System for Educational Television, 74: 750-753, Sept. 1965
- Burks, Ivyl G., Materials and Processes for Prop Fabrication, 71: 756-757, Oct. 1962
- Burt, A. D., Clurman, S. P. and Wu, T. T., Design of Satellite Tape Recorders After Tiros I, 72: 787-791, Oct. 1963
- Butt, A. J. and Hes, G. D., Two New Waveform Generators for Television Testing, 74: 1009-1013, Nov. 1965
- Button, P. A., Hauser, S., Marlow, D. H., Quan, H. Q. and Silver, R. D., A True Kerr-Cell Framing Camera, 71: 440-443, June 1962
- Cahlander, David A., and Edgerton, Harold E., Holdover in Xenon Flashlamps, 70: 7-9, Jan. 1961
- Callaci, Charles A., Professional or Amateur Television? 73: 769-770, Sept. 1964Campbell, Jim, 8mm Sound and the Distribution
- Bottleneck, 71: 573-574, Aug. 1962 Canvel, Henry, A Slow-Scan Television Film Re-
- Canvel, Henry, A Slow-Scan Television Film Re corder, 74: 770-773, Sept. 1965
- Capra, Frank, Gephart, William E., Jr., Stifle, Ethan M. and White, Deane R., Technical Report of a Visit to Motion-Picture Facilities in the USSR, 73: 177-196, Mar. 1964
- Carey, P. M., Simulating the Moving Perspective View From an Aircraft, 73: 854-857, Oct. 1964
- Carrion, Walter and Reuyl, Dirk, Optical Tracking Methods and Instrumentation: Research and Development at BRL, 71: 505-508, July 1962
- Carroll, John S., Letter to the Editor: The Colonial Williamsburg Theaters for a Wide-Screen Participation Film, 71: 31, Jan. 1962

20

- ----, Letter to the Editor: Re: 8mm and Small-Format Film, 72: 412-414, May 1963
- Cassidy, Esther C. and Tsai, Donald H., A New Fast-Opening, Large-Aperture Shutter for High-Speed Photography, 72: 531-533, July 1963
- Chandler, J. S. and Edwards, E. A., Format Factors Affecting 8mm Sound-Print Quality, 73: 537-543, July 1964
- Cherniavskj, Jaroslav and Nupnau, Arthur, An Automatic Threading Mechanism for a 16mm Sound Projector, 72: 87-89, Feb. 1963
- Chernov, V. G. and Komar, V. G., Future Direction of Research and Development of Cinematography in USSR (Translated by George Fulford), 74: 254-257, Mar. 1965
- Chippendale, R. A., and Folkes, J. R., Electronic Image Intensification: Image Intensifier Using Cathodo-Conductivity, 70: 527-532, July 1961
- Clifford, J. D. and Keene, G. T., Commercial Systems for Making 8mm Prints, 71: 447-449, June 1962
- Clifford, James D., Optical Printing With a Small-Diameter Light Source, 73: 932-933, Nov. 1964
- Cline, Alan W., Technique of Sound Analysis of Speech With Simultaneous X-Ray Motion Pictures of the Pharynx, 74: 105-107, Feb. 1965
- Clink, Jack J., A New Approach to Location Recording Techniques, 70: 96-98, Feb. 1961
- Clurman, S. P., Burt, A. D. and Wu, T. T., Design of Satellite Tape Recorders After Tiros I, 72: 787-791. Oct. 1963
- Colburn, George W. and Cunningham, E. A., A Multiple 8mm Magnetic Sound Printer, 72: 24-26, Jan. 1963
- ----, A Multiple Head 16mm to 8mm Reduction Printer, 72: 189-190, Mar. 1963
- Colburn, Robert A., 8mm Color Positive Release Prints With Magnetic Sound: A Progress Report, 70: 603-606, Aug. 1961
- Coleman, K. R., and Skinner, A., Applications of the Type C5 Rotating Mirror Framing Camera, 70: 512-514. July 1961
- Collins, F. M., Dyke, W. P., Grundhauser, F. J. and Stunkard, N. W., Thirty-Nanosecond Radiography, 71: 82-85, Feb. 1962
- Comerci, Frank, Flutter Index Concept, 71: 1-8, Jan. 1962
- Conover, John H., Interpretation of Cloud Pictures From the Tiros Meteorological Satellites, 71: 21-25, Jan, 1962
- Cooper, Kenneth W., Jr., Edgerton, Harold E., and Tredwell, John, Submicrosecond Flash Sources, 70: 177-180, Mar. 1961
- Cope, A. D., Luedicke, Edward and Flory, L. E., The Capabilities and Prospects of Television Camera Tubes in Applications for Astronomy, 74: 765-769, Sept. 1965
- Cornberg, Sol, Design Factors of an Educational Television Program Production Center and Random Access Audio-Video System, 72: 633-667, Sept. 1963
- Court, Patrick R. J., Telemeter Pay Television System, 71: 161-166, Mar. 1962
- Courtney-Pratt, J. S., Some Uses of Optical Masers in Photography, 70: 509-511, July 1961
- ---, High-Speed X-Ray Cinematography, 70: 637-642, Aug. 1961
- ----, Lenticular Plate Multiple Picture Shadowgraph Recording, 70: 710-715, Sept. 1961
- Timage Converter Tube Photography, 71: 271-277, Apr. 1962
- ——, McLaughlin, J. W., Schramm, E. C. and Alberti, Heinz, A Fiber Optics Camera for Recording Sequences of X-Ray Pictures, 71: 585-590, Aug. 1962
- ——, Hett, J. H. and McLaughlin, J. W., Optical Measurements on Telstar to Determine the Orientation of the Spin Axis, and the Spin Rate, 72: 462-484, June 1963
- ——, Image Dissection in High-Speed Photography—A Bibliography, 72: 876-878, Nov. 1963
- and Hargrove, L. E., Some Photographic Studies of the Light Output of an Intracavity-Modulated Gas Maser, 74: 1085-1095, Dec. 1965
 Cox, L. G., A Wide-Range Wow and Flutter Indica-
- tor, 71: 9-12, Jan. 1962
 ——, Letter to the Editor, Wow and Flutter/Time
- Displacement Error, 71: 428, Feb. 1962 Crane, Edward M., An Objective Method for Rating

- Picture Sharpness; SMT Acutance, 73: 643-647, Aug. 1964
- Crane, G. R., and Brookes, G. A., Artificial Reverberation Facilities for Auditoriums and Audio Systems, 70: 809-814, Oct. 1961
- Cummins, George E., Turner, John R., and Wilson, Robert J., Rapid Processing of Motion-Picture Film by the Application of Viscous Coatings, Part I: Viscous-Layer Processing of Motion-Picture Film, 70: 875-877, Nov. 1961
- Cunningham, E. A. and Colburn, Geo. W., A Multiple 8mm Magnetic Sound Printer, 72: 24-26, Jan. 1963
- Curtis, Kenneth B., and Hedden, William D., Early 8mm Sound Developments, 70: 585-588, Aug. 1961
- —, and Hedden, William D., A High-Speed Continuous 16mm to 8mm Reduction Printer, 70: 624-627, Aug. 1961
- Dahlstedt, Stellan, Daylight Film Processing Laboratory, 74: 518-520, June 1965
- D'Arcy, Ellis W., Progress Report on 8mm Magnetic Sound Standards and Methods of Test Film Production, 71: 105-109, Feb. 1962
- ----, Facts and Factors for Small-Format Films, 72: 673-676, Sept. 1963
- Davidson, L. E., A Camera Mount Utilizing Programed Mirror Rotation for Missile Tracking, 73: 9-11. Jan. 1964
- Dearing, LeRoy M. and Hiller, Robert E., Camera Timing Marker With Dual Spark and Neon Light Sources, 74: 897-901, Oct. 1965
- DeBacker, Jean, A Storage Memorized Light-Control System, 70: 906-909, Nov. 1961
- DeClerk, Joseph L., Kennedy, Edward P. and LaBanca, Domenic L., Automatic 35mm Motion-Picture Printer, 70: 267-269, Apr. 1961
- Deffet, Louis, and Vanden Berghe, René, Use of High-Explosive Flash for Photography by the Schardin System, 70: 283-287, Apr. 1961
- De Haan, E. F. and Van Doorn, A. G., The Plumbicon: A Camera Tube With a Photoconductive
- Lead Oxide Layer, 73: 473-476, June 1964
 —, and van Doorn, A. G., A Plumbicon Color
 Broadcast Camera, 74: 922-926, Oct. 1965
- Denson, Michael, Projection Techniques at the World's Fair, 73: 507-509, June 1964
- De Renzis, Francesco, A Bilingual Drive-In Installation, 70: 850-854, Oct. 1961
- D'Haenens, I. J. and Buddenhagen, D. A., Lasers and Their Applications, 71: 828-832, Nov. 1962
- Dickson, J. Bowie and Quinn, S. F., New CBC Vidicon-Telecine Operating Standards With Particular Reference to the Gray-Scale Characteristic, 73: 1009-1015, Dec. 1964
- Di Giulio, Edmund M. and Brown, Les, A New 16mm Professional Magnetic Sound-on-Film Reflex Camera, 73: 873-876, Oct. 1964
- ----, A 35mm Reflex Camera System Incorporating Video Monitoring and Recording, 74: 600-601, 611, July 1965
- DiSanto, S. A., New Techniques in Closed-Circuit Television for Dental Teaching, 73: 770-772, Sept. 1964
- Drimmer, B. E. and Liddiard, T. P., Jr., Smear-Camera Techniques, 70: 106-110, Feb. 1961
- ——, Solem, A. D., and Sternberg, H. M., The Cinematic Display of Numerical Solutions of Explosion Hydrodynamics Problems, 70: 803-805, Oct. 1961
- ——, Cameras and Techniques for Shock Waves and Explosions, 72: 541-547, July, 1963
- , Liddiard, T. P. and Jacobs, S. J., Applications of the High-Speed Focal Plane Shutter Camera to Explosive Research, 72: 927-930, Dec. 1963
- Dudley, Leslie P., Autostereoscopic Lunar Photography, 70: 799-803, Oct. 1961
- Duke, Vernon J., A Status Report on Current Experimentation in Color Kinescope Recording, 72: 711, Sept. 1963
- Dunn, Richard Q., Ray, Thomas J. and Pounds, Donald, A Plumbicon Monochrome Broadcast Camera, 74: 918-922, Oct. 1965
- Dussault, Henry, Time Delay System for Sound-Picture Syncing, 72: 843-848, Nov. 1963
- ----, Wunder, Fred and Vides, Max Mejia, Letters to the Editor-Sound Delay Systems (Re:

- "Time Delay System for Sound-Picture Syncing," pp. 843-848, Nov. 1963), 73: 222-223, Mar. 1964
- Duvall, Roger, A New Automatic Multifilm Projector for Audio-Visual and Entertainment Purposes, 74: 1104-1107, Dec. 1965
- Dyke, W. P., Grundhauser, F. J. and Bennett, S. D., A Fifty-Millimicrosecond Flash X-Ray System for High-Speed Radiographs, 70: 435-439, June 1961
- Dyke, W. P., Grundhauser, F. J., Collins, F. M. and Stunkard, N. W., Thirty-Nanosecond Radiography, 71: 82-85, Feb. 1962
- Dyson, J., Hemmings, R. F., and Walters, R. T., An f/1 Streak Camera for Spark Studies in Both Ultraviolet and Visible, 70: 725-730, Sept. 1961
- Edgcomb, Leslie I. and Seeley, Gerald M., Conversion of Black-and-White Motion-Picture Processing Machines to Viscous-Layer Development, 72: 691-695, Sept. 1963
- Edgerton, Harold E., and Cahlander, David A., Holdover in Xenon Flashlamps, 70: 7-9, Jan. 1961
- ——, Tredwell, John, and Cooper, Kenneth W., Jr., Submicrosecond Flash Sources, 70: 177-180, Mar. 1961
- ----, Comments on Light Sources, 72: 541, July
- Wells, Roe E., Jr., Schildkraut, Robert E. and Teicher, Stephen, Cinemicrophotography of Blood Flow in Man, 73: 627-628, Aug. 1964
- Edwards, E. A. and Chandler, J. S., Format Factors Affecting 8mm Sound-Print Quality, 73: 537-543, July 1964
- Epstein, R. R. and O'Donnell, Leo H., Modifications of Tape Reproducing Equipment for Use With the Pilot-Tone Synchronization Systems, 70: 972-975, Dec. 1961
- ----, and O'Donnell, L., Operating Experience With a Modified Pilot-Tone System, 72: 687-689, Sept. 1963
- Ettlinger, A. B., Digital Computers for Television Automatic Switching Control, 70: 145-149, Mar. 1961
- ----, CBS-KNXT Computer Control System for Program Switching, 70: 691-695, Sept. 1961
- Evans, A. Pierce, O'Brien, Richard S., Monroe, Robert B. and Whalley, Wilfred B., CBS-KNXT Television Broadcasting Center, 71: 251-265, Apr. 1962
- Evans, Arthur G., Double-System 8mm Sound Cinematography in Education, 74: 753-754, Sept. 1965
- Evans, C. H., Shutter-Bar in Television Film Recording, 70: 898-903, Nov. 1961
- Evans, C. H. and Tarnowski, A. A., Photographic Data Recording by Direct Exposure With Electrons, 71: 765-768, Oct. 1962
- Everest, F. Alton, The Efficient Use of Light in Macrocinematography, 71: 664-667, Sept. 1962
- Farmer, Herbert E., Motion Pictures and Television Education, 71: 641, Sept. 1962
- Farmer, Thomas E., Closed-Circuit Television as a Management Aid at Air Force Systems Command, 72: 148-149, Mar. 1963
- Fatora, David A., High-Speed Camera Survey, 74: 911-918, Oct. 1965
- Ferguson, Charles W., Analysis of Stress-Wave Propagation by Photoviscoelastic Techniques, 73: 782-787, Sept. 1964
- Field, Harold P., Spot Photometers in Exposure Control, 74: 592-593, July 1965
- Fielding, Raymond E., Norman O. Dawn: Pioneer Worker in Special-Effects Cinematography, 72: 15-23, Jan. 1963
- Finkle, John F., and Wilson, Robert J., Viscous-Layer Processing of Variable-Area Sound Negatives, 73: 125-128, Feb. 1964
- ——, and Streiffert J. G., The Performance of Photographic Soundtracks on Eastman Color Print Film, Type 5385, With Special Reference to 8mm Usage, 73: 936-938, Nov. 1964
- Fjeld, John M., Jr., Survey of Pinhole Optimization, 74: 320, Apr. 1965
- Flory, John, The Challenge of 8mm Sound Film, 70: 581-585, Aug. 1961
- ____, and Hope, Thomas W., Nontheatrical Films

- Interim Report No. 2, 70: 68, Jan. 1961
- Picture Archives, 72: 410-412, May 1963
- ----, Audio-Visual Devices: Capabilities and Needs, 72: 937-942, Dec. 1963
- Flory, L. E., Pike, W. S., Morgan, J. M. and Boyer, L. A., The Stratoscope II Television System, 73: 3-8, Jan. 1964
- —, Boyer, L. A. Morgan, J. M. and Pike, W. S., A Programable Integrating Television Camera for Astronomical Applications, 74: 760-765, Sept. 1965
- ——, Cope, A. D. and Luedicke, Edward, The Capabilities and Prospects of Television Camera Tubes in Applications for Astronomy, 74: 765-769, Sept. 1965
- Folkes, J. R., and Chippendale, R. A., Electronic Image Intensification: Image Intensifier Using Cathodo-Conductivity, 70: 527-532, July 1961
- Forsdale, Louis, An Educator Looks at 8mm Sound Film, 70: 593-595, Aug. 1961
- ——, Schools Make 8mm Sound Motion Pictures, 71:658-659, Sept. 1962
- Frayne, John G., Training Motion-Picture and Television Technicians for the Decades Ahead, 71: 641-642, Sept. 1962
- French, Maurice and Wise, Lou T., Canadian Nationwide Closed-Circuit Television Meeting, 72: 628-630, Aug. 1963
- Freund, Karl, Letter to the Editor: Re: The Exposure-Control Myth, 72: 416, May 1963
- Friend, John L., Hickey, Judson C. and Woelfel, Julian B., The Use of Motion Pictures in an Analysis of the Masticating Cycle, 71: 626-628, Aug. 1962
- Früngel, Frank and Liebing, Lothar, Multiple Kerr-Cell System With Square Shuttering Characteristic, 71: 29-31, Jan. 1962
- ——, Alberti, Heinz and Thorwart, Walter, High-Speed X-Ray Flash Cinematography of Small Objects, 71: 90-92, Feb. 1962
- ——, High-Speed Photography Using a High-Frequency Spark Source and a Kerr Cell in Combination, 71: 93-94, Feb. 1962
- ---, Thorwart, Walter and Patzke, H. G., High-Speed Photography of Rapid Air Currents and Shock Waves by Means of High-Frequency High-Voltage Sparks, 71: 178-182, Mar. 1962
- Frye, Roger, Winslow, Ken and Isberg, R. A., A High-Quality Instructional Television System Including a Mobile Video-Tape Recorder, 72: 168-170, Mar. 1963
- Fujimura, Ikuo, An Analytical Study of Photographic Density: A Report of the Sound Film Committee of the Motion Picture Engineering Society of Japan, 73: 27-30, Jan. 1964
- Fukuda, Masahiko, Letter to the Editor: Re: "Vidicon Light-Transfer Characteristics and Film Reproduction," (pp. 791-794, Oct. 1961), 72: 418, May 1963
- Fulton, Mervin E., Tension-Free Film Processing Machine, 74: 282-286, Mar. 1965
- Gale, Robert O. and Williams, Allan L., Factors Affecting Color Film Dye Stability: Related Printing Problems and Release Print Quality, 72: 804–809, Oct. 1963
- Gallas, A. H., Gilbert, C. A. and Hitterdal, A. B., Pinhole Optics and Simulators, 74: 321-323, Apr. 1965
- Gallez, Douglas W., Training Army Personnel for Motion Pictures and Television, 72: 281-283, Apr. 1963
- Gassman, Morton C., Green, Alan C. and Millard, William L., Experimental Instructional Facilities and Systems for College Teaching and Institutional Research, 72: 668-673, Sept. 1963
- Geissbuhler, John O., Cold-Mirror Lamps for 8mm Projectors, 72: 684-686, Sept. 1963
- Gentleman, Wally, Special Photographic Effects as an Aid to Low-Budget Production, 71: 487-492, July 1962
- spective, 72: 609-613, Aug. 1963
- —, Motor-Drive Pan, Tilt and Rotation Devices for a Motion-Picture Camera, 74: 332-334, Apr. 1965
- Gephart, William E., Jr., Capra, Frank, Stiffe, Ethan M. and White, Deane R., Technical Report of a

- Visit to Motion-Picture Facilities in the USSR, 73: 177-196, Mar. 1964
- Gibson, George, Scenic Art in the Motion-Picture Industry, 71: 762-764, Oct. 1962
- Gilbert, C. A., Gallas, A. H. and Hitterdal, A. B., Pinhole Optics and Simulators, 74: 321-323, Apr. 1965
- Gilbert, E. N., Masks to Pack Circles Densely, 72: 606-608, Aug. 1963
- Gilbert, Edward E., A Time-Lapse Photographic Method for Studying Population Behavior of Flour Beetles (*Tribolium*), 74: 901-904, Oct. 1965
- Gill, George H., Sr., Nomenclature TV Studio Lighting: A Committee Report, 73: 495, June 1964
- Gillespie, A. Arnold, Laced Process—A New System of Rear-Projection Process, 73: 947-948, Nov. 1964
- Giroux, Daniel S., Tressel, George W., Andrews, Stanley J., Jr., and Abderhalden, Norman L., A Portable, Compact Motion-Picture Kit, 73: 954-955, Nov. 1964
- Glei, A. E., Design and Operational Philosophy of the Ballistic Camera Systems at the Atlantic Missile Range, 71: 823-827, Nov. 1962
- Glenn, W. E., Thermoplastic Recorders, 71: 670-673, Sept. 1962 (Discussion, 837, Nov. 1962)
- ——, Thermoplastic Recording: A Progress Report, 74: 663-665, Aug. 1965
- Goetze, G. W., Anderson, A. E. and Kanter, H., The Astracon Tube and Its Application to High-Speed Photography, 70: 440-442, June 1961
- Goggin, Richard J., A Profile of Television Education in American Colleges and Universities, 71: 652-654, Sept. 1962
- ——, Film and Television Education: A Marriage of Convenience or Necessity? 71: 654-655, Sept. 1962
- Goldberg, A. A., and Hannah, M. R., Video-Tape Analyzer, 70: 85-89, Feb. 1961
- Goldhammer, Jerome S., Reconnaissance and Surveillance Photography, 73: 858-862, Oct. 1964
- Goldovskii, E. M., The Dimensions of Films and Frames in Common Motion-Picture Systems (An Abridged Translation), 73: 544-545, July 1964
- Goodman, R. Irwin, and Stum, Robert W., Motion-Picture Studio of Brigham Young University, 70: 165-168, Mar. 1961
- Grace, F. Cecil, and Spicer, Charles E., Automatic-Sequencing Equipment for Television Operation,
 70: 150-155, Mar. 1961
- Graham, C. Loren and Stockdale, Willis L., Economical 8mm Commercial Prints, 73: 934-936, Nov. 1964
- Graham, Gerald G., Canada's National Film Board, 74: 689-691, Aug. 1965
- Gray, S., Murray, P. C. and Ziemelis, O. J., Improved High Resolution Electron Gun for Television Cameras, 72: 792-794, Oct. 1963
- Grebennikov, O. F., Provornov, S. M., Gusev, V. P. and Pertsev, S. M., Universal Image Dissection Camera With Continuous Access for High-Speed Photography, 71: 86-89, Feb. 1962
- Green, Alan C., Gassman, Morton C. and Millard, William L., Experimental Instructional Facilities and Systems for College Teaching and Institutional Research, 72: 668-673, Sept. 1963
- Greenhill, Leslie P., The German Institute for Scientific Films, 71: 294-298, Apr. 1962
- Gregg, D. P. and Johnson, Keith O., Magnetic Recorders Improved for 70-dB Signal-to-Noise Ratio, 74: 660-663, Aug. 1965
- Grey, David S., Letter to the Editor, Re: Automatic Lens Design, 74: 799-800, Sept. 1965
- Griffith, E. E., Use of Color Film in Manufacture of Color Map Transparencies for Radar Trainers, 73: 849-853, Oct. 1964
- Griffiths, D. K. and Morgan, E. P., The Use of Motion Pictures of Fluid-Flow Models in Steelmaking Research, 74: 907-910, Oct. 1965
- Griffiths, F. A., Wood, C. B. B., and Sanders, J. R., Electronic Compensation for Color Film Processing Errors, 74: 755-759, Sept. 1965
- Gross; Robert, A New Film-Handling System, 74: 788-789, Sept. 1965
- Grundhauser, F. J., Dyke, W. P., and Bennett, S. D., A Fifty-Millimicrosecond Flash X-Ray System for High-Speed Radiographs, 70: 435-439, June 1961

- , Dyke, W. P., Collins, F. M. and Stunkard, N. W., Thirty-Nanosecond Radiography, 71: 82-85, Feb. 1962
- Guenther, A. H. and Wunsch, D. C., The Frame Edge as an Internal Reference Line in Rotating-Mirror Framing Cameras, 74: 995-999, Nov.
- 1965 Gusev, V. P., Provornov, S. M., Grebennikov, O. F. and Pertsev, S. M., Universal Image Dissection Camera With Continuous Access for High-Speed Photography, 71: 86-89, Feb. 1962
- Gyori, Robert, Hedden, William D. and Sutton, Robert L., Ektachrome Original Film Processing, 72: 27-31, Jan. 1963
- Hacking, K., An Analysis of Film Granularity in Television Reproduction, 73: 1015-1029, Dec.
- Haines, K., Leith, E. N., Upatnieks, J. and Hildebrand, B. P., Requirements for a Wavefront Reconstruction Television Facsimile System, 74: 893-896, Oct. 1965
- Hale, R. B., Matchell R. and Hayden-Pigg, G. E., Power Supplies for Image-Orthicon Transistor Television Cameras, 72: 455-461, June 1963
- Hall, Donald A., and Atkins, W. W., New Techniques for Measuring the Velocity of High-Speed Objects, 70: 634-636, Aug. 1961
- Hallows, R. L., Electronic Brightness Contouring, 70: 23-26, Jan. 1961
- Hampl, Jan, VFK-ÚVOJM High-Speed Framing Camera, 70: 443-447, June 1961
- -, The Adastra 8mm Motion-Picture Camera System, 73: 325-329, Apr. 1964
- Handel, Sture K., Pinch Phenomena in a Flash X-Ray Discharge, 73: 320-324, Apr. 1964
- Hannah, M. R., and Goldberg, A. A., Video-Tape Analyzer, 70: 85-89, Feb. 1961
- Hanson, Everett L., A Positive, Electric Film Brake for Use on Continuous, Film Processing Machines, 74: 607-608, July 1965
- Hanson, Howard G. and Oakley, David C., Explosive Flashbomb Luminosity Factors, 71: 920-925, Dec. 1962
- Hanson, W. T., Jr., and Staud, C. J., Some Aspects of 8mm Sound Color Print Quality, 71: 557-559, Aug. 1962
- Happe, L. B. K., Development of the Educational Single-Concept Film in Great Britain, 72: 679-681, Sept. 1963
- , Controlled Modification of Color Rendering, 72: 690-691, Sept. 1963
- Hara, Kenichi, Hayashi, Minoru, Yoshihara, Noboru, Hosoi, Sakae and Umiuchi, Takao, An Approach to the Automation of Television Studio Program Production, 73: 942-946, Nov. 1964
- Hardy, Arthur C., Letter to the Editor Re: The Lunar Albedo, 74: 1028, Nov. 1965
- Hargrove, L. E. and Courtney-Pratt, J. S., Some Photographic Studies of the Light Output of an Intracavity-Modulated Gas Maser, 1085-1095, Dec. 1965
- Harris, Aubrey, Time-Base Errors and Their Correction in Magnetic Television Recorders, 70: 489-494, July 1961
- Harris, James W., Exposure Control and Stray-Light Component, 74: 587-589, July 1965
- Hartshorne, Robert and Miller, Arthur, Fiber Optics in Modern-Picture Printing, 70: 701-704, Sept 1961
- Hauge, Carl W., Reichard, Edward H. and Sokolow. Leonard L., Use of Xenon Flashtubes as a Light Source in Color and Black-and-White Scene Testers, 73: 866-869, Oct. 1964
- Hauser, S., Marlow, D. H., Quan, H. Q., Silver, R. D. and Button, P. A., A True Kerr-Cell Framing Camera, 71: 440-443, June 1962
- Hayashi, Minoru, Yoshihara, Noboru, Hosoi, Sakae, Umiuchi, Takao and Hara, Kenichi, An Approach to the Automation of Television Studio Program Production, 73: 942-946, Nov. 1964
- Hayden-Pigg, G. E., Matchell, R. and Hale, R. B., Power Supplies for Image-Orthicon Transistor Television Cameras, 72: 455-461, June 1963
- , and Bray, D., Video Circuits for Transistor Television Cameras, 72: 853-859, Nov. 1963
- Healey, T. J., Stickley, C. M. and Lipke, D. W., Photographic Studies of Mode and Polarization

22

- Phenomena in Ruby Lasers, 72: 534-536, July
- Hedden, William D., and Curtis, Kenneth B., Early 8mm Sound Developments, 70: 585-588, Aug. 1961
- -, and Curtis, Kenneth B., A High-Speed Continuous 16mm to 8mm Reduction Printer, 70: 624-627, Aug. 1961
- , and Snowdall, Roger J., Electronic Indexing for 1/4-in. Tape Music Library, 71: 662-663, Sept. 1962
- -, Sutton, Robert L. and Gyori, Robert, Ektachrome Original Film Processing, 72: 27-31, Jan. 1963
- -, and Snowdall, Roger J., An Electronic Footage Counter, 74: 784-785, Sept. 1965
- Hemmings, R. F., Dyson, J. and Waters, R. T., An f/1 Streak Camera for Spark Studies in Both Ultraviolet and Visible, 70: 725-730, Sept. 1961
- Hennessey, R. G., Compact Rear-Screen Projector for 8mm Films With Magnetic Sound Strips, 70: 590-592, Aug. 1961
- -, Selective Multitrack Magnetic Sound Synchronized With 8mm Motion Pictures, 71: 660-661, Sept. 1962
- Heppberger, C. E. and Bowen, E. A., Carbon Arcs for 16mm Film Projections, 73: 862-864, Oct.
- Herczeg, Louis S., Optimum Focusing of Space Camera Systems, 74: 649-654, Aug. 1965
- Hermle, Paul A., and Lowry, Harold D., Rapid Processing of Motion-Picture Film by the Application of Viscous Coatings, Part II: A Machine for Rapid Processing of Black-and-White 16mm Films, 70: 878-881, Nov. 1961
- Herrick, Merlyn C., Educational Film Production in an Academic Training Program, 72: 292-293,
- Herrnfeld, Frank P., A Constant-Timer, Variable-Intensity Microsecond Exposure Sensitometer, 70: 500-501, July 1961
- A Microdensitometer for Photographic Research, 70: 904-905, Nov. 1961
- , Characteristics of Color Film Soundtracks: A Survey by the SMPTE Color Committee, 71: 591, Aug. 1962
- Hett, John H. and King, Robert W., Image-Converter Systems With Fast Image Group Repetition Rates, 70: 270-274, Apr. 1961
- Courtney-Pratt, J. S. and McLaughlin, J. W., Optical Measurements on Telstar to Determine the Orientation of the Spin Axis, and the Spin Rate, 72: 462-484, June 1963
- Hickey, Judson C., Woelfel, Julian B. and Friend, John L., The Use of Motion Pictures in an Analysis of the Masticating Cycle, 71: 626-628, Aug.
- Hildebrand, B. P., Leith, E. N., Upatnieks, J. and Haines, K., Requirements for a Wavefront Reconstruction Television Facsimile System, 74: 893-896, Oct. 1965
- Hill, Gordon D., Closed-Circuit Television for Data Acquisition, 74: 249-251, Mar. 1965
- Hiller, Robert E. and Dearing, LeRoy M., Camera Timing Marker With Dual Spark and Neon Light Sources, 74: 897-901, Oct. 1965
- Himelfarb, Fred, Achieving Long Focal Length Television Lenses Electronically, 74: 240-242, Mar. 1965
- Hinze, Adolf, European Television Film Production Methods, 72: 11-14, Jan. 1963
- Hirschowitz, Basil· I., Endoscopic Photography Using Fiber Optics, 73: 625-626, Aug. 1964
- Hitterdal, A. B., Gallas, A. H. and Gilbert, C. A., Pinhole Optics and Simulators, 74: 321-323, Apr. 1965
- Holmes, Brian R. and Liggins, Roy, A Television X-Ray Image Amplifier, 74: 102-104, Feb. 1965
- Holmes, Leslie H., A Method of Producing Telecine Test Materials of Specified Density, 70: 699-701,
- Hope, Thomas W., and Flory, John, Nontheatrical Films — Interim Report No. 2, 70: 68, Jan. 1961
- -, Nontheatrical Films -- Interim Report No. 3, 71: 139-142, Feb. 1962
- . Nontheatrical Films-Interim Report No. 4, 72: 632-635, Aug. 1963
- Nontheatrical Films-Interim Report No 5, 73: 675-678, Aug. 1964

- , Market Review: Nontheatrical Film and Audio-Visual-1964, 74: 802-805, Sept. 1965
- Horn, Ted H., Artificial Aging of Latent Images in Ektacolor Paper, 70: 39-41, Jan. 1961
- Horstkorta, Donald A., Design Parameters for a Portable Broadcast Television Tape Recorder, 73: 476-478, June 1964
- Hosoi, Sakae, Hayashi, Minoru, Yoshihara, Noboru, Umiuchi, Takao and Hara, Kenichi, An Approach to the Automation of Television Studio Program Production, 73: 942-946, Nov. 1964
- Howes, E. C., The History of Films in South Africa, 72: 882-883, Nov. 1963
- Hubbell, David C., Larson, George W. and West, Lloyd E., Application of Two Analytical Test Methods to Predict Processed Image Stability, 71: 495-501, July 1962
- Hufford, Robert G., Proposed Constitution and By-
- laws Amendments, 73: 672-674, Aug. 1964 Hurford, Winslow L., The Nonadditive Mixing of Television Signals, 73: 658-660, Aug. 1964 Hyzer, William G., The Practice of High-Speed
- Photography--- A Survey of its Status Today, 71: 911-914, Dec. 1962
- -, Glossary of Terms for Photoinstrumentation, 73: 36, Jan. 1964
- Iles, G. D. and Butt, A. J., Two New Waveform Generators for Television Testing, 74: 1009-1013, Nov. 1965
- Ingelstam, Erik, (Chairman, I.C.O. Subcommittee for Image Assessment Problems) Letters to the Editor: Nomenclature for Fourier transforms of Spread Function, 71:94, Feb. 1962
- Irvine, Ronald F., Mirror Cinematography in the Operating Room, 74: 744-745, Sept. 1965
- Isberg, R. A., Winslow, Ken and Frye, Roger, A High-Quality Instructional Television System Including a Mobile Video-Tape Recorder, 72: 168-170, Mar. 1963
- Jacobs, George and Martin, Edgar T., Some Technical Factors Affecting the Feasibility of Direct Broadcasting From Earth Satellites, 71: 436-439, June 1962
- Jacobs, John H., Letter to the Editor, Re: Nomenclature-Dispersion, 74: 253, Mar. 1965
- Jacobs, S. J., McLanahan, J. D., Jr. and Whitman, E. C., A High-Speed Focal Plane Shutter Framing Camera, 72: 923-926, Dec. 1963
- Jacobs, S. J., Liddiard, T. P. and Drimmer, B. E., Applications of the High-Speed Focal Plane Shutter Camera to Explosives Research, 72: 927-930,
- , Liddiard, T. P., Jr. and Kabik, I., An Explosive Light Source of Low Energy for 30-Nanosec Schlieren or Shadowgram Photography, 74: 90-94, Feb. 1965
- Jamas, P. A. Peston, Advanced Studio Sound Facilities in India, 70: 413-416, May 1961
- James, Philip N., Studies on a Copper-Toned Planographic Dye-Transfer Matrix-Pt. I, 74: 989-994,
- Johnson, Keith O. and Gregg, D. P., Magnetic Recorders Improved for 70-dB Signal-to-Noise Ratio, 74: 660-663, Aug. 1965
- Johnston, G. J., Barnes, J. C. and Bahler, W. H., Rapid Processing of a Panchromatic Negative Film by the Application of a Viscous Monobath, 74: 242-245, Mar. 1965
- Jolley, Robert W. and Jolley, Walter C., Motion-Picture Paint Technology, 71: 757-759, Oct. 1962 Jolley, Walter C. and Jolley, Robert W., Motion-Picture Paint Technology, 71: 757-759, Oct. 1962
- Jones, Lawrence W., and Perl, Martin L. Very-High-Gain Image-Intensifier Systems and the Photograph of Single Photons With Microsecond Time Resolution, 70: 704-709, Sept. 1961
- Kabik, I., Liddiard, T. P., Jr. and Jacobs, S. J., An Explosive Light Source of Low Energy for 30-Nanosec Schlieren or Shadowgram Photography, 74: 90-94, Feb. 1965
- Kage, E. W. and Baker, C. W., A Simple Strip-Processing Technique for Evaluating Exposed Blackand-White or Color Negative Motion-Picture Films, 71: 838-841, Nov. 1962

- Kanter, H., Anderson, A. E. and Goetze, G. W., The Astracon Tube and Its Application to High-Speed Photography, 70: 440-442, June 1961
- Kapany, N. S., Role of Fiber Optics in Ultra-High-Speed Photography, 71: 75-81, Feb. 1962
 Kausch, John W., How to Build an Inexpensive Lip-
- Sync Camera Sound System, 74: 1097-1101, Dec. 1965
- Kaye, A. R., A Solid-State Television Fader-Mixer Amplifier, 74: 602-606, July 1965
- Keene, George T., Simulated Night Photography Using Color Reversal Films, 70: 795-798, Oct.
- and Clifford, J. D., Commercial Systems for Making 8mm Prints, 71: 447-449, June 1962
- Keith, Clyde R., Motion Pictures for Education-Should They Be Tied to Amateur Movies, 72: 677-678, Sept. 1963
- Kelly, Hugh P., Project Telstar: Communications Experiment (adaptation), 72: 91-96, Feb. 1963
- Kennedy, Edward P., DeClerk, Joseph L., and LaBanca, Domenic L., Automatic 35mm Motion-Picture Printer, 70: 267-269, Apr. 1961
- Kerr, Maxwell A., High-Intensity Lighting (HIL) for Photography of Launch Operations, NASA Project Apollo, 74: 73-79, Feb. 1965
- Keznickl, Eduard, A New Concept in 8mm Home Cine Technique: Eumig Mark-S Projector, 74: 110-114, Feb. 1965
- Kiel, John P., Film Registration Systems Used in
- Process Photography, 71: 493-494, July 1962 King, Robert W., and Hett, John H., Image-Converter Systems With Fast Image Group Repetition Rates, 70: 270-274, Apr. 1961
- Kirk, Norman, Thermoplastic Recording Tape Systems, 74: 666-668, Aug. 1965
- Kisner, W. I., A New Color Negative Film for Better Picture Quality, 71: 776-779, Oct. 1962
- A Higher Speed Color Print Film, 71: 779-781, Oct. 1962
- Kleinerman, Ben, High-Speed Inspection of Magnetic-Striped Release Prints, 70: 600-602, Aug.
- Kloepfel, Don V., Nonferrous Materials for Projector Film Shoes, 71: 509-510, July 1962
- , Xenon Projection Lamps: A Résumé, 73: 479-480, June 1964
- Knudsen, Steve, 8mm and the Classroom Film Library: Potentials and Requirements, 70: 595-597, Aug. 1961
- Motion Pictures, Television, and Education (Introduction), 72: 279, Apr. 1963
- Aspects and Applications of the Single-Concept Film, 72: 295-298, Apr. 1963
- Motion Pictures, Television and Education: Introduction, 73: 753, Sept. 1964
- Kolb, F. J., Lovick, R. C., Peer, J. R., and Weigel, E. M., Precision Magnetic Striping of 8mm Film, 70: 611-617, Aug. 1961
- Turner, John R., Ripson, Philip A. and Yavitz, Eric A., Liquid Gate for the Projection of Motion-Picture Film, 71: 100-105, Feb. 1962 , and Weigel, Edward M., Lubrication of
- Motion-Picture Film, 74: 297-307, Apr. 1965 Komar, V. G., Cinematography in the USSR, 73: 196-201, Mar. 1964
- , and Chernov, V. G., Future Direction of Research and Development of Cinematography in USSR (Translated by George Fulford), 74: 254-257, Mar. 1965
- Komelkov, V. S., Nesterikhin, Y. E., and Pergament, M. I., Electron-Optical High-Speed Camera for the Investigation of Transient Processes, 70: 275-279, Apr. 1961
- Kosofsky, Leon J. and Broome, G. Calvin, Lunar Orbiter: A Photographic Satellite, 74: 773-778, Sept. 1965
- Kozanowski, H. N., Infrared Transmission Characteristics of Various Color Release Prints and Their Effects on Color Television Reproduction, 73: 939-940, Nov. 1964
- Kreuzer, Barton, Electronic and Motion-Picture Systems in the Space Age, 70: 961-966, Dec. 1961
- Krolak, L. J. and Parker, D. J., The Optical Tunnel -A Versatile Electrooptical Tool, 72: 177-180, Mar. 1963
- Krtous, George F., A New 16mm Sound Projector for General Use, 71: 282–283, Apr. 1962 Kruse, William F., Willard Beach Cook—Pioneer

- Distributor of Narrow-Gage Safety Films and Equipment, 73: 576-580, July 1964
- Kuebler, Alfred A., Study of Chip Formation in Metal Cutting, 74: 905-906, Oct. 1965
- Kuehn, J. J. 8mm Variable-Area Sound Motion Pictures: Part 2. Recording, 73: 547, July 1964 Kuehne, J. E. and Neuhauser, R. G., An Electrostati-
- eally Focused Vidicon, 71: 772-775, Oct. 1962 Neuhauser, R. G., Vine, B. H. and Robinson, G. A., The Design of a High-Resolution Vidicon,
- 71: 833–837, Nov. 1962 Kutukov, G. P. and Simonov, V. A., High-Speed Frame Photography With a Three-Stage Image Converter Utilizing Circuits With Mismatched Storage Lines, 71: 25-28, Jan. 1962
- LaBanca, Domenic L., Kennedy, Edward P. and De-Clerk, Joseph L., Automatic 35mm Motion-Picture Printer, 70: 267-269, Apr. 1961
- Laidlaw, Ron, Film Techniques for News in Television, 72: 631-632, Aug. 1963
- Lamberts, Robert L., Application of Sine-Wave Techniques to Image-Forming Systems, 71: 635-640, Sept. 1962
- Lane, Ralph and Tucker, Clyde, A Prefabricated Acoustical Window, 73: 1036-1037, Dec. 1964
- Larson, George W., Hubbell, David C. and West, Lloyd E., Application of Two Analytical Test Methods to Predict Processed Image Stability, 71: 495-501, July 1962
- LaRue, Mervin W., Jr., Letter to the Editor: Re: The Exposure-Control Myth, 72: 414-416, May 1963
- Lawrence, James F., Jr., An Improved Method of Audio Level Control for Broadcasting and Recording, 73: 661-663, Aug. 1964
- Lawrence, Lucas G., Remote Control for Motion-Picture Cameras, 71: 13-14, Jan. 1962
- Lefeber, George C., Time-Lapse Cine Technique in Biology and Medicine, 73: 631-634, Aug. 1964
- Leigh, Norman and Mann, J. Roberts, Jr., Electrical Installation Techniques for a Large Film Production Center, 72: 863-868, Nov. 1963
- -, and Mann, J. Robert, Jr., (Addenda to "Electrical installation techniques for a large film production center, pp. 863-868, Nov. 1963), 73: 223. Mar. 1964
- Leighton, Robert L., High-Speed Photoinstrumentation for a Hypersonic Wind Tunnel, 73: 650-653, Aug. 1964
- Leith, E. N., Upatnieks, J., Hildebrand, B. P. and Haines, K., Requirements for a Wavefront Reconstruction Television Facsimile System, 74: 893-896, Oct. 1965
- Leonard, Stanley L. and Turner, Eugene B., Kerr-Cell Photography in Plasma Physics, 71: 501-504, July 1962
- Leveridge, Leo L., Motion-Picture Techniques for Teaching Heart Sounds and Murmurs, 74: 729-730, Sept. 1965
- Levonian, Edward, Perceptual Threshold of Discrete Movement in Motion Pictures, 71: 278-281, Apr.
- Lewin, George, Letter to the Editor: Infrared Transparency of Magnetic Tracks, 70: 909, Nov. 1961
- , 1962 Progress Report-Errata and Lacunae -May Journal, 72: 712, Sept. 1963
- Lewis, John H., Additive Exposures in Process Photography, 71: 449-450, June 1962
- Leyton, J. and Tjaden, D. L. A., A 5000:1 Scale Model of the Magnetic Recording Process (Abridgement by Pierre Mertz), 74: 1024-1027, Nov. 1965
- Liddiard, T. P., and Drimmer, B. E., Smear-Camera Techniques, 70: 106-110, Feb. 1961
- -, Drimmer, B. E. and Jacobs, S. J. Applications of the High-Speed Focal Plane Shutter Camera to Explosives Research, 72: 927-930, Dec. 1963
- Jacobs, S. J. and Kabik, I., An Explosive Light Source of Low Energy for 30-Nanosec Schlieren or Shadowgram Photography, 74: 90-94, Feb. 1965
- Liebing, Lothar and Frungel, Frank, Multiple Kerr-Cell System With Square Shuttering Characteristic, 71: 29-31, Jan. 1962
- Liggins, Roy and Holmes, Brian R., A Television X-Ray Image Amplifier, 74: 102-104, Feb. 1965
- Lind, A. H., A Standard for Positioning the Vacuum Guide in Transverse Track Video-Tape Recorders, 70: 485-488, July 1961

- Lindemeyer, Robert B. and Bacon, Noel R., A New Heat-Developable Motion-Picture Print Film 73: 213-215. Mar. 1964
- Lingeman, Jack, Television Production Techniques With Video-Tape Recording, 72: 630-631, Aug. 1963
- Lipke, D. W., Stickley, C. M. and Healey, T. J., Photographic Studies of Mode and Polarization Phenomena in Ruby Lasers, 72: 534-536, July
- Livingston, William C., Resolution Capability of the Image-Orthicon Camera Tube Under Nonstandard Scan Conditions, 72: 771-786, Oct. 1963
- Lohmann, Karl B., Jr., Postlethwait, S. N. and Mills, Roy, A Technique of Cinephotomicrography of Sequential Serial Sections, 73: 629-631, Aug. 1964
- Loper, James L. and Stucker, Howard, Application and Scope of Television Tape Recording in Educational Broadcasting, 72: 151-153, Mar. 1963
- -, and Bretz, Rudy, Quality Educational Television Production-Director- or Instructor-Controlled, 72: 158-160, Mar. 1963
- , Director-Controlled TV: Quality Studio Origination at LASC, 72: 158-159, Mar. 1963
- , A Method for Time Compression of Instructional Materials, 73: 753, Sept. 1964
- Lord, A. V., A Standards Converter for Television Exchanges Between Europe and North America, 70: 156-159, Mar. 1961
- Lovell, Ralph E., Television as a Means of Instructional Communication (Introduction), 72: 145, Mar. 1963
- Lovick, R. C., Kolb, F. J., Peer, J. R. and Weigel, E. M., Precision Magnetic Striping of 8mm Film, 70: 611-617, Aug. 1961
- , Thomas, Deane S., Jr. and Rees, Herbert L., A New Reversal Print Material for a Color Production System, 74: 671-675, Aug. 1965
- Lowrance, J. L. and Zucchino, P. M., Television Camera System for the Command Module of the Apollo Spacecraft, 74: 79-83, Feb. 1965
- Lowry, Harold D. and Hermle, Paul A., Rapid Processing of Motion-Picture Film by the Application of Viscous Coatings, Part II: A Machine for Rapid Processing of Black-and-White 16mm Films, 70: 878-881, Nov. 1961
- Loye, Donald P., Controlling External Noises for Recording Studios, 70: 98-100, Feb. 1961
- Luedicke, Edward, Cope, A. D., and Flory, L. E., The Capabilities and Prospects of Television Camera Tubes in Applications for Astronomy, 74: 765-769, Sept. 1965
- Lunn, George H., A General Survey of High-Speed Photographic Techniques, 71: 915-920, Dec. 1962 , Re: Errata in "A General Survey of High-
- Speed Photographic Techniques," pp. 915-920, Dec. 1962, 72: 418, May 1963
- Lyman, D. F. and Neumer, A. E., Jr., Basic Optics of a Television Film Chain, 72: 6-10, Jan. 1963
- MacCann, Richard Dyer, Good Reading About Motion Pictures: An Annotated Bibliography, 72: 322-324, Арг. 1963
- MacMillin, David, Improved Automatic Exposure Control, 71: 510-511, July 1962
- Magargle, Hal, Technical Note: Footage Counter, 73: 491-492, June 1964
- Malling, Leonard R., Space Astronomy and the Slow-Scan Vidicon, 72: 872-875, Nov. 1963
- Mandel, Leonard, Development of a Photoelectronic Shutter Tube, 70: 716-719, Sept. 1961 Mankovskii, V. S. and Provornov, S. M. (Trans.
- George Fulford), The Development of Scientific Investigations in the Leningrad Cine-Engineers Institute, 74: 440-452, May 1965 Mann, J. Robert, Jr. and Leigh, Norman, Electrical
- Installation Techniques for a Large Film Production Center, 72: 863-868, Nov. 1963
- and Leigh, Norman, (Addenda to "Electrical installation techniques for a large film production center, pp. 863-868, Nov. 1963), 73: 223, Mar. 1964
- Manning, D. B., New Solid-State Sound-Mixing Equipment for Television, 73: 788-791, Sept.
- Mantel, Hans, Animation Editing on Video Tape, 73: 561-565, July 1964

- Marlow, D. H. Hauser, S., Quan, H. Q., Silver, R. D. and Button, P. A., A True Kerr-Cell Framing Camera, 71: 440-443, June 1962
- Marshak, I. S., and Shchoukin, L. I., Physical and Technical Parameters of Flashtubes, 70: 169-176, Mar. 1961
- Martin, Edgar T. and Jacobs, George, Some Technical Factors Affecting the Feasibility of Direct Broadcasting From Earth Satellites, 71: 436-439, June 1962
- Martin, Ivan C., Scope and Function of Motion-Picture Set Construction, 71: 753-754, Oct. 1962
- Martin, L., and Saint-Hilaire, A. D., Proposal for Double 8 Film With a Single Row of Perforations, 72: 85-86, Feb. 1963
- Maschgan, H., Film-Feed Mechanisms in Narrow-Film Projectors (A Translation), 73: 134-138, Feb. 1964
- Matchell, R., Hale, R. B. and Hayden-Pigg, G. E., Power Supplies for Image-Orthicon Transistor Television Cameras, 72: 455-461, June 1963
- Matsuyama, Kihachiro, Takatsuji, Tsukasa and Miyagishima, Katsuya, A Method of Edging Letters Superimposed in TV Pictures, 71: 579-580, Aug. 1962
- Matthews, Glenn E., A Note on the Early History of the Society and Its Work on Standardization, 72: 196-202, Mar. 1963
- Matthews, Glenn E., Intro., Creating an Industry, by Robert C. Bitting, Jr., 74: 1015-1023, Nov. 1965
- Maurer, John A., Photographic Sound for 8mm Film, 70: 618-624, Aug. 1961 ———, Discussion: 8mm and Small Format Film
- Systems, 71: 560-562, Aug. 1962
 ——, A Proposed 8mm Sound Film System, 71:
- 563-566, Aug. 1962
- Maurin, Anthony E., Jr., Technical Note: Video-Tape Splicing, 74: 790, Sept. 1965
- Mayer, Thomas and Pay, Donald A., Advanced Developments in Studio Television Cameras, 74: 927-929, Oct. 1965
- Mayer, Wayne A., Ray, Reid H. and McDermott, Joseph T., A Test of Video Tape to Film in Educational TV, 71: 620-623, Aug. 1962
- McDermott, Joseph T., Ray, Reid H. and Mayer, Wayne A., A Test of Video Tape to Film in Educational TV, 71: 620-623, Aug. 1962
- McKim, J. W., West, Theodore C. and Stickley, William T., Short Films for Self-Instruction in Biomedical Education, 74: 741-742, Sept. 1965
- McKnight, John G., Letter to the Editor: Wow and Flutter/Time Displacement Error, 71: 428, Feb. 1962
- McLanahan, J. D., Jr., Jacobs, S. J. and Whitman, E. C., A High-Speed Focal Plane Shutter Framing Camera, 72: 923-926, Dec. 1963
- McLaughlin, J. W., Courtney-Pratt, J. S., Schramm, E. C. and Alberti, Heinz, A Fiber Optics Camera for Recording Sequences of X-Ray Pictures, 71: 585-590, Aug. 1962
- ———, Courtney-Pratt, J. S. and Hett, J. H., Optical Measurements on Telestar to Determine the Orientation of the Spin Axis, and the Spin Rate, 72: 462-484, June 1963
- McVeagh, J. S., Theory of Operation of Flash X-Ray Tubes, 70: 10-17, Jan. 1961
- Meeussen, Louis A., The Gevacolor Positive Film Type 953, 73: 18-21, Jan. 1964
- Mengeringhausen, Henry C. and Witherell, William R., Jr., A Nonstandard Use of 16mm to Meet the 8mm Print Cost Challenge, 71: 566-568, Aug. 1962
- Mertz, Pierre, 8mm and New Small-Format Film Systems (introduction), 71: 555, Aug. 1962
- ----, Exposure Control (Foreword), **74:** 577, July 1965
- ——, Abridgement, A 5000:1 Scale Model of the Magnetic Recording Process by D.L.A. Tjaden and J. Leyton, 74: 1024-1027, Nov. 1965
- Messerschmid, Ulrich, Recent Developments of Electronic Special Effects in Television, 73: 468-472, June 1964
- Meyer, Herbert, Introduction to Symposium on Set Construction and Special Effects, 71: 751, Oct. 1962
- ——, High-Accuracy Plastic-Replica Optics, 74: 28-32, Jan. 1965
- Millard, William L., Gassman, Morton C. and Green, Alan C., Experimental Instructional Facilities and Systems for College Teaching and Institu-

- tional Research, 72: 668-673, Sept. 1963
- Miller, A. J. and Robertson, A. C., Motion-Picture Film—Its Size and Dimensional Characteristics—A Tutorial Paper, 74: 3-11, Jan. 1965
- Miller, Arthur, and Hartshorne, Robert, Fiber Optics in Motion-Picture Printing, 70: 701-704, Sept. 1961
- Miller, Oran E. and Powers, Stanley A., Pitfalls of Color Densitometry, 72: 97-103, Feb. 1963
- ——, and Powers, Stanley A., Improved Printing Density Filters for Densitometry of Color Preprint Materials, 72: 695-700, Sept. 1963
- Miller, Robert E. and Stevens, Karl K., Stresses and Deformations in a Uniformly Rotating Rectangular Mirror, 73: 1032-1036, Dec. 1964
- Mills, Roy, Postlethwait, S. N. and Lohmann, Karl B., Jr., A Technique of Cinephotomicrography of Sequential Serial Sections, 73: 629-631, Aug. 1964
- Mintz, David A., Motion Pictures and Sound: The Problems and Solutions in the Bell System Ride, 74: 681-684, Aug. 1965
- Mirzwinski, H., A New Television Switching Equipment Using Uniselectors, 73: 465-467, June 1964
- Mitchell, Jay P. and Rhoten, Merle, Closed-Circuit Television System for X-Ray Inspection, 71: 444-447, June 1962
- Miyagishima, Katsuya, Matsuyama, Kihachiro and Takatsuji, Tsukasa, A Method of Edging Letters Superimposed in TV Pictures, 71: 579-580, Aug. 1962
- Moehring, William, Recent Developments in Magnetic Heads for Use in Motion Pictures, 72: 298-300, Apr. 1963
- Mollberg, Bernard H., Photography in Space of the Ejection of a Capsule Containing a Television Camera and Transmitter, 73: 481-490, June 1964
- Monroe, Robert B., O'Brien, Richard S., Whalley, Wilfrid B. and Evans, A. Pierce, CBS-KNXT Television Broadcasting Center, 71: 251-265, Apr. 1962
- Morash, Russell, Mobile Video-Tape Production for Educational Television, 73: 764-766, Sept. 1964
- Morgan, E. P. and Griffiths, D. K., The Use of Motion Pictures of Fluid-Flow Models in Steelmaking Research, 74: 907-910, Oct. 1965
- Morgan, J. M., Boyer, L. A., Flory, L. E. and Pike, W. S., The Stratoscope II Television System, 73: 3-8, Jan. 1964
- , Boyer, L. A., Flory, L. E. and Pike, W. S., A Programable Integrating Television Camera for Astronomical Applications, 74: 760-765, Sept. 1965
- Morris, Robert M., Letter to the Editor: Video Graticules, 71: 584, Aug. 1962
- ----, Progress in Video-Tape Standards, A Committee Report, 72: 488-490, June, 1963
- Morse, D. R. A Review of Telecine Systems, 73: 548-560, July 1964
- Mortenson, D. and Puder, A. T., Xenon Illuminator Systems for 35mm and 70mm Projection, 74: 594-597. July 1965
- MPATI Staff, The Midwest Program on Airborne Television Instruction, 72: 175-176, Mar. 1963
- Mueller, Arthur C., An Improved 8mm Film Cartridge, 73: 1038-1040, Dec. 1964
- Murray, P. C., Gray, S. and Ziemelis, O. J., Improved High Resolution Electron Gun for Television Cameras, 72: 792-794, Oct. 1963
- Myles, J. S., and Reid, J. N., A Transistor Synchronizing Signal Generator, 70: 822-828, Oct. 1961
- Nesterikhin, Y. E., Komelkov, V. S. and Pergament, M. I., Electron-Optical High-Speed Camera for the Investigation of Transient Processes, 70: 275-279, Apr. 1961
- Neuhauser, R. G., Picture Characteristics of Image-Orthicon and Vidicon Camera Tubes, 70: 696-698, Sept. 1961
- ----, Vidicon Light-Transfer Characteristics and Film Reproduction, 70: 791-794, Oct. 1961
- ——, New Television Camera Tubes in Perspective, 70: 979-982, Dec. 1961
- ----, and Kuehne, J. E., An Electrostatically Focused Vidicon, 71: 772-775, Oct. 1962
- ----, Vine, B. H., Kuehne, J. E. and Robinson, G. A., The Design of a High-Resolution Vidicon, 71: 833-837, Nov. 1962

- ——, Letter to the Editor: Re: "Vidicon Light-Transfer Characteristics and Film Reproduction," (pp. 791-794, Oct. 1961), 72: 418, May 1963
- Neumann, Don B., Precision Range-Gated Imaging Technique, 74: 313-319, Apr. 1965
- Neumer, A. E., Jr., and Lyman, D. F., Basic Optics of a Television Film Chain, 72: 6-10, Jan. 1963
- Neyman, Robert L. and White, Floyd E., Jr., Horizontal Projection of 16mm Film With Two Tracks of Half-Size 16mm Pictures and With Optical Sound, 72: 82-84, Feb. 1963
- Nieset, R. T. and Notley, N. T., Vesicular Photography for the Motion-Picture Industry, 74: 786-788, Sept. 1965
- Nolan, Philip, High-Intensity, Fractional-Microsecond Light Sources, 70: 632-633, Aug. 1961
- Nomura, Hiroshi, A New Optical System and Camera for Color Television, 73: 120-124, Feb. 1964
- Norwood, Don, Letter to the Editor: An Exposure Control Myth, 72: 89-90, Feb. 1963
- Notley, N. T. and Nieset, R. T., Vesicular Photography for the Motion-Picture Industry, 74: 786-788, Sept. 1965
- Nupnau, Arthur and Cherniavskj, Jaroslav, An Automatic Threading Mechanism for a 16mm Sound Projector, 72: 87–89, Feb. 1963
- Oakley, David C. and Hanson, Howard G., Explosive Flashbomb Luminosity Factors, 71: 920-925, Dec. 1962
- O'Brien, Richard S., Monroe, Robert B., Whalley, Wilfrid B. and Evans, A. Pierce, CBS-KNXT Television Broadcasting Center, 71: 251-265, Apr. 1962
- O'Donnell, Leo H. and Epstein, R. R., Modifications of Tape Reproducing Equipment for Use With the Pilot-Tone Synchronization System, 70: 972-975, Dec. 1961
- ——, and Epstein, R. R., Operating Experience With a Modified Pilot-Tone System, 72: 687-689, Sept. 1963
- Offenhauser, Wm. H., Jr., 8mm Performance: Lessons From History, 71: 556, Aug. 1962
- ——, Letter to the Editor Re: Wide-Screen Film Performance (Re: "Techniscope—A Technical Note," p. 121, Feb. 1965), 74: 428, May 1965
- Olding, N. R., The SMPTE Universal Leader for Release Prints, 74: 34-35, Jan. 1965
- Osborne, Charles and Zwick, Daan, Use of the Split-Frame Technique in Motion-Picture Investigations, 71: 931-932, Dec. 1962
- Padel, S. H., Wood, C. B. B. and Rainger, Peter, Cablefilm Equipment, 70: 494-498, July 1961
- Palmer, A. B., The Technical Problems of Television Film Recording (A Reprint), 74: 1069-1084, Dec.
- Palmer, Charles A., The Silent/Sound Film for Teaching and Training, 74: 749, Sept. 1965
- Palmer, W. A., Novel Shutter and Intermittent for Video-Recording Camera, 71: 167-169, Mar. 1962
- Papp, G., On a Novel Application of the Image Dissector, 74: 782-783, Sept. 1965
- Pargas, Paul, A Lens Measuring Method Using Photoconductive Cells, 74: 501-504, June 1965
- Parker, D. J. and Krolak, L. J., The Optical Tunnel
 A Versatile Electrooptical Tool, 72: 177-180,
 Mar. 1963
- Parnow, Rolf-Dieter, New Film Studios at Hamburg, Germany, 72: 948-950, Dec. 1963
- Partington, George E., Operationally Simplified Camera Channels, 71: 429-435, June 1962
- Patzke, H. G., Früngel, Frank and Thorwart, Walter, High-Speed Photography of Rapid Air Currents and Shock Waves by Means of High-Frequency High-Voltage Sparks, 71: 178-182, Mar. 1962
- Pavliscak, Thomas J., Some Photographic Studies of Optical Masers, 73: 206-212, Mar. 1964
- Pay, Donald A. and Mayer, Thomas, Advanced Developments in Studio Television Cameras, 74: 927-929, Oct. 1965
- Peek, S. C., Quartz Iodine Lamps and Reflectors for Set Lighting, 71: 667-669, Sept. 1962
- Peer, J. R., Kolb, F. J., Lovick, R. C. and Weigel, E.
 M., Precision Magnetic Striping of 8mm Film,
 70: 611-617, Aug. 1961

- Pergament, M. I., Komelkov, V. S. and Nesterikhin, Y. E., Electron-Optical High-Speed Camera for the Investigation of Transient Processes, 70: 275-279, Apr. 1961
- Perl, Martin L., and Jones, Lawrence W., Very-High-Gain Image-Intensifier Systems and the Photography of Single Photons With Microsecond Time Resolution, 70: 704-709, Sept. 1961
- Perrin, Donald G., A Branching Teaching Machine Using Motion Pictures, 73: 760-764, Sept. 1964 Perrin, Fred H., What Is the Sensitivity of a Photo-
- graphic System? 70: 515-521, July 1961 Persselin, Leo E., The Use of Motion Pictures for Automated Instruction, 73: 755-760, Sept. 1964
- Pertsey, S. M., Provornov, S. M., Grebennikov, O. F. and Gusey, V. P., Universal Image Dissection Camera With Continuous Access for High-Speed Photography, 71: 86-89, Feb. 1962
- Phillips, Donald E., The Use of Photographic Triangulation in Determining the Positions of Objects in Large-Scale Experiments, 72: 869-871, Nov. 1963
- -----, Rectification of Oblique Photographs to Obtain Base-Surge Contours, 74: 779-782, Sept. 1965
- Pike, W. S., Boyer, L. A., Flory, L. E. and Morgan,J. M., The Stratoscope II Television System, 73:3-8, Jan. 1964
- —, Boyer, L. A., Flory, L. E. and Morgan, J. M., A Programable Integrating Television Camera for Astronomical Applications, 74: 760-765, Sept. 1965
- Pinney, J. E., Sharpness Calculations for 8mm Systems, 73: 929-931, Nov. 1964
- Plakun, Bernard, D., Information for Authors of SMPTE Papers, 70: 983-988, Dec. 1961
- ----, Acquisition Technique for Infrared Tracking Mounts, 72: 795-798, Oct. 1963
- ——, and Schupp, William C., A Cinespectrograph for Reentry Measurements, 74: 25-27, Jan. 1965
- Planet, W. G., Photographic Instrumentation for Reentry Measurements, 74: 95-98, Feb. 1965
- Poch, W. J., The Development of a Feasibility Model of an Electron Beam Film Recorder, 73: 778-782, Sept. 1964
- ----, An Experimental Photo-Tape Frame-Camera System, 74: 18-25, Jan. 1965
- Pohl, W. E., The Manufacture of 8mm Prints at Technicolor, 70: 606-607, Aug. 1961
- ——, Techniscope—A Technical Note, 74: 121, Feb. 1965
- Ponedel, Frederic L., Special Effects—A Segment of Motion-Picture and TV Production, 71: 760-761, Oct. 1962
- Postlethwait, S. N., Mills, Roy and Lohmann, Karl B., Jr., A Technique of Cinephotomicrography of Sequential Serial Sections, 73: 629-631, Aug. 1964
- Potsaid, Majic S., Stereocineradiography, 73: 622-624, Aug. 1964
- ——, Cine and TV Methods of Analyzing Search in Roentgen Diagnosis, 74: 731-736, Sept. 1965
- Pounds, Donald, Ray, Thomas J. and Dunn, Richard Q., A Plumbicon Monochrome Broadcast Camera, 74: 918-922, Oct. 1965
- Powers, Stanley A. and Miller, Oran E., Pitfalls of Color Densitometry, 72: 97-103, Feb. 1963
- Powers, Stanley A. and Miller, Oran E., Improved Printing Density Filters for Densitometry of Color Preprint Materials, 72: 695-700, Sept. 1963
- Preo, Paul H. and Yavitz, Eric A., Effect of Winding on the Projection Performance of 35mm Motion-Picture Film, 74: 521-525, June 1965
- Probst, Charles O., From a Film: The Three R's of Aerospace Photography, 72: 326-329, Apr. 1963
 —————, Proposal for a 16mm/8mm Nontheatrical Leader, 72: 946-947, Dec. 1963
- Provornov, S. M., Grebennikov, O. F., Gusev, V. P. and Pertsev, S. M., Universal Image Dissection Camera With Continuous Access for High-Speed Photography, 71: 86-89, Feb. 1962
- ------, and Mankovskii, V. S., (Trans. George Fulford), The Development of Scientific Investigations in the Leningrad Cine-Engineers Institute, 74: 440-452, May 1965
- Puder, A. T. and Mortenson, D., Xenon Illuminator Systems for 35mm and 70mm Projection, 74: 594-597, July 1965

- Putman, Richard E., Progress Committee Report for 1963, 73: 369-410, May 1964
- ——, Progress Committee Report for 1964, 74. 377-427, May 1965 (See Errata, Nov., 1029)
- Quan, H. Q., Hauser, S., Marlow, D. H., Silver, R. D. and Button, P. A., A True Kerr-Cell Framing Camera, 71: 440-443, June 1962
- Quinn, S. F. and Dickson, J. Bowie, New CBC Vidicon-Telecine Operating Standards With Particular Reference to the Gray-Scale Characteristic, 73: 1009-1015, Dec. 1964
- Rainger, Peter, Wood, C. B. B. and Padel, S. H., Cablefilm Equipment, 70: 494-498, July 1961
- Rawls, Richard B., 8mm Sound Film: A Professional News Medium for Television, 71: 575-577, Aug. 1962
- Ray, Reid H., McDermott, Joseph T. and Mayer, Wayne A., A Test of Video Tape to Film in Educational TV, 71: 620-623, Aug. 1962
- ——, A Message to Members of the SMPTE, 72: 73-74, Feb. 1963; 627, Aug. 1963
- ----, SMPTE President's Message to the Members, 73: 1-2, Jan. 1964
- ——, A Message From the Past-President, 74: 1, Jan. 1965
- ——, Medicine Education Motion Pictures Television (Foreword to group of ten papers), 74:729, Sept. 1965
- Ray, Thomas J., Dunn, Richard Q. and Pounds, Donald, A Plumbicon Monochrome Broadcast Camera, 74: 918-922, Oct. 1965
- Rees, Herbert L., Thomas, Deane S., Jr. and Lovick, Robert C., A New Reversal Print Material for a Color Production System, 74: 671-675, Aug. 1965
- Rehman, Irving, Photooptical Instrumentation in Medicine, 73: 635-642, Aug. 1964
- Reichard Edward H., A System for the Recovery of Solvent Vapors, 72: 548-552, July 1963
- Hauge, Carl W. and Sokolow, Leonard L., Use of Xenon Flashtubes as a Light Source in Color and Black-and-White Scene Testers, 73: 866-869, Oct. 1964
- ——, and Solow, Sidney P., An Automatic 35mm A & B Composite Color Printer, 73: 870-872, Oct. 1964
- Reid, J. N. and Myles, J. S., A Transistor Synchronizing Signal Generator, 70: 822-828, Oct. 1961
- Reitz, K. R. and Anselm, C. D., Visual Titrimetric of Phenidone and Hydroquinone in Photographic Developers, 74: 669-670, Aug. 1965
- Rettinger, Michael, A Varidirectional Condenser Microphone, 71: 581-583, Aug. 1962
- ——, Cinerama Theatre Acoustics, 73: 566-568, July 1964
- Reuyl, Dirk and Carrion, Walter, Optical Tracking Methods and Instrumentation: Research and Development at BRL, 71: 505-508, July 1962
- Rezai, Albolghasem, A Note on a Simplified Striping Technique, 73: 221-222, Mar. 1964
- Rhoten, Merle and Mitchell, Jay P., Closed-Circuit Television System for X-Ray Inspection, 71: 444-447, June 1962
- Rial, Wayne and Bailey, Sam, Two Applications
 Using Electronic Counters for Shuttering Scanned
 Image and Display Devices, 73: 876-879, Oct.
 1964
- Ridgway, David W., CHEM Study Films to Improve High-School Chemistry Teaching, 74: 866-868, Sept. 1965
- Rigby, John J., Combined 35mm/16mm Automatic Film Cleaner/Waxer, 73: 865-866, Oct. 1964
- ----, Some Aspects in the Design of a 16mm Editing Machine, 73: 960-962, Nov. 1964
- Rigg, Robinson P., Location and Newsreel Motion-Picture Equipment, 73: 775-777, Sept. 1964
- Ripson Philip A., Jr., Turner, John R., Kolb, Frederick J., Jr. and Yavitz, Eric A., Liquid Gate for the Projection of Motion-Picture Film, 71: 100-105, Feb. 1962
- Roberts, Mervin F., Motion Series, Subject Triggered to Provide Four Irregularly Spaced Flashes, 71: 927-928, Dec. 1962
- Robertson, A. C., Pin Registration, 72: 75-81, Feb. 1963
- ---, and Miller, A. J., Motion-Picture Film-Its

- Size and Dimensional Characteristics—A Tutorial Paper, 74: 3-11, Jan. 1965
- Robinson, G. A., Operation of Vidicons in Universal Environmental Conditions, 70: 264-266, Apr. 1961
- -------, Neuhauser, R. G., Vine, B. H. and Kuehne, J. E., The Design of a High-Resolution Vidicon, 71: 833-837, Nov. 1962
- Roger, Henry, Some Aspects of Time-Lapse Cinematography and Related Arts, 70: 259-264, Apr. 1961
- Romano, Michael T., Television: Versatile Servant of the Health Sciences, 74: 107-109, Feb. 1965
- Rose, Samuel G., Alexander F. Victor—Motion-Picture Pioneer, 72: 614-621, Aug. 1963
- Rosenberg, Albert J., Textbook Correlated Audio-Visual Materials, 72: 294-295, Apr. 1963
- Rosner, I. S., Television Mobile-Unit Design, 74: 514-517. June 1965
- Ross, Rodger J., Papers Committee Activities Abroad, 73: 31-35, Jan. 1964
- Rudakov, V., Bongard, S. and Trofimova, N. (Trans. White, Deane R. from Tekh. Kino i Telev., Jan. 1965, p. 90), Visit to USA Motion-Picture Plants by Soviet Cine Specialists, 74: 562-564, June 1965
- Ryder, Loren L., Improved Synchronizing System Using Magnetic Tape, 70: 426-428, June 1961
- Sadashige, K., Stability Criteria for Television Camera Tubes, 71: 419-428, June 1962
- —, A Study of Noise in Television Camera Preamplifiers, 73: 202-206, Mar. 1964
- Sadowsky, Meier, Cathode-Ray-Tube and Photographic-Film Characteristics Related to Film Recording for Television, 70: 81-85, Feb. 1961
- Saint-Hilaire, A. D. and Martin, L., A Proposal for Double 8 Film With a Single Row of Perforations, 72: 85-86, Feb. 1963
- Sanders, J. R., Wood, C. B. B. and Griffiths, F. A., Electronic Compensation for Color Film Processing Errors, 74: 755-759, Sept. 1965
- Sauppe, Norman A., Random Selection Slide Projection, 71: 890-892, Nov. 1962
- Schade, Otto H., Sr., An Evaluation of Photographic Image Quality and Resolving Power, 73: 81-119, Feb. 1964
- Schaeffer, Myron, Synthesis and Manipulation of Natural Sounds in Electronic Music for Films, 73: 128-129, Feb. 1964
- Schall, R. and Thomer, G., Application of Image Intensifier in Flash Radiography, 70: 20-22, Jan.
- Schank, Lee H., Self-Contained 8mm Sound Language Teaching Machine, 72: 682-684, Sept. 1963
- Scheib, Harold A., A New Concept of Optical Printer Construction, 74: 597-599, July 1965
- Schieman, Arnold and Bova, George, Motor Boating
 —A Laboratory Problem in 16mm Sound Release
 Printing, 71: 170-172, Mar. 1962
- Schildkraut, Robert E., Wells, Roe E., Jr., Teicher, Stephen and Edgerton, Harold E., Cinemicrophotography of Blood Flow in Man, 73: 627-628, Aug. 1964
- Schlanger, Ben, The Colonial Williamsburg Theaters for a Wide-Screen Participation Film: Motion-Picture System From Camera to Viewer, 70: 680-685. Sept. 1961
- Schmidt, Edward, Developments in Magnetic Striping 8mm Sound Film, 70: 607-610, Aug. 1961
- Schram, Lawrence J., Filming of Speech Therapy Clinic Sessions via Tape-to-Film Process, 73: 774, Sept. 1964
- Schramm, E. C., Conurtney-Pratt, J. S., McLaughlin, J. W. and Alberti, Heinz A Fiber Optics Camera for Recording Sequences of X-Ray Pictures, 71: 585-590, Aug. 1962
- Schreiber, M. L., Present Status of Silver Recovery in Motion-Picture Laboratories, 74: 505-513, June 1965
- Schuller, Edgar A., Trouble Chart for Variable-Area Sound, 73: 883-887, Oct. 1964
- Schupp, William C. and Plakun, Bernard D., A Cinespectrograph for Reentry Measurements, 74: 25-27, Jan. 1965
- Schwarz, Karl G., A System for Universal Synchronization, 72: 181-183, Mar. 1963
- Scott, William and Bendick, Marc, Development of a Continuous Film Processor to Overcome Com-

- mon Deficiencies, 72: 184-188, Mar. 1963
- Seeley, Gerald M., A Damping Device to Improve the Image Sharpness and Steadiness of Prints Made on a Continuous 16mm Motion-Picture Printer, 70: 498-500, July 1961
- ——, and Edgcomb, Leslie I., Conversion of Black-and-White Motion-Picture Processing Machines to Viscous-Layer Development, 72: 691-695, Sept. 1963
- Selvidio, James F., Undersea Instrumentation and Video Documentation, 74: 324-328, Apr. 1965
- Shadle, Paul W., Letter to the Editor: Sensitivity of Image-Orthicon Tubes, 71: 771, Oct. 1962
- Shapira, Jacob, Modification of the Zeiss Ultraphot Microscope for Time-Lapse Photography, 74: 1002-1005, Nov. 1965
- Shchoukin, L. I. and Marshak, I. S., Physical and Technical Parameters of Flashtubes, 70: 169-176, Mar. 1961
- Shimasaki, Kiyohiko, Motion-Picture Equipment Recently Developed in Japan, 70: 412-413, May 1961
- Silva, John D., Audio Scoring, Dubbing and Transfer Techniques Used in Video-Tape Productions, 70: 419-425, June 1961
- Silver, R. D., Hauser, S., Marlow, D. H., Quan, H.
 Q. and Button, P. A., A True Kerr-Cell Framing Camera, 71: 440-443, June 1962
 Simonov, V. A. and Kutukov, G. P., High-Speed
- Simonov, V. A. and Kutukov, G. P., High-Speed Frame Photography With a Three-Stage Image Converter Utilizing Circuits With Mismatched Storage Lines, 71: 25-28, Jan. 1962
- Siocos, C. A., Operational Adjustment of Picture Monitors in Television Studios, 74: 11-14, Jan. 1965
- Skinner, A., and Coleman, K. R. Applications of the Type C5 Rotating Mirror Framing Camera, 70: 512-514, July 1961
- Smith, Arch D., Engineering Photography Methods for the Titan II Research and Development Flight Program, 74: 246-249, Mar. 1965 (See Errata, 74: 1029, Nov. 1965)
- Smith, Arthur L., The Colonial Williamsburg Theaters for a Wide-Screen Participation Film: Planning for the Film Presentation, 70: 677-679, Sept. 1961
- Smith, J. P., and Baumunk, J. F., A Television Imagery Simulator, 70: 27-32, Jan. 1961
- Snow, William B., Recent Applications of Acoustical Engineering Principles in Studios and Review Rooms, 70: 33-38, Jan. 1961
- Snowdall, Roger J. and Hedden, W. D., Electronic Indexing for ¹/₄-in. Tape Music Library, 71: 622-663, Sept. 1962
- ----, and Hedden, William D., An Electronic Footage Counter, 74: 784-785, Sept. 1965
- Sokolow, Leonard L. Reichard, Edward H. and Hauge, Carl W., Use of Xenon Flashtubes as a Light Source in Color and Black-and-White Scene Testers, 73: 866-869, Oct. 1964
- Solem, A. D., Drimmer, B. E. and Sternberg, H. M.,
 The Cinematic Display of Numerical Solutions of
 Explosion Hydrodynamics Problems, 70:
 803-805, Oct. 1961
- Solow, Sidney P. and Reichard, Edward H., An Automatic 35mm A&B Composite Color Printer, 73: 870-872, Oct. 1964
- Southworth, Glen R., A Video-Modulation Test System for Space Television, 74: 307-313, Apr. 1965
- Spicer, Charles E., and Grace, F. Cecil Automatic-Sequencing Equipment for Television Operation,
 70: 150-155, Mar. 1961
- Stampfl, Rudolf A. and Stroud, William G., Automatic Picture Transmission TV Camera System for Meteorological Satellites, 73: 130-134, Feb. 1964
- Stancil, William V., A Self-Contained Recorder for Motion-Picture Sound, 70: 597-599, Aug. 1961
- Stanley, Ray J., Television and the University, 72: 287-289, Apr. 1963
- Stanwix, G. W., The Application of 8mm Film for Commercial Use (a digest), 71: 574, Aug. 1962
- Staud, C. J., Progress in Cinematographic Materials, 70: 1019-1021, Dec. 1961
- ----, and Hanson, W. T., Jr., Some Aspects of 8mm Sound Color Print Quality, 71: 557-559, Aug. 1962
- Steel, Robert B., Video Film—Defense Communications Tool, 72: 149-151, Mar. 1963

- Stenholm, Katherine, Unusual Films: The Motion-Picture Production and Training Unit at Bob Jones University, 70: 160-165, Mar. 1961
- Stenzel, A., and Thomer, G., X-Ray Flash Cinematography up to 12,000 Images/Sec, 70: 18-20, Jan. 1961
- Stephenson, Alan R., Developments in School Television Program Preparation, 73: 767-769, Sept. 1964
- Sternberg, H. M., Drimmer, B. E. and Solem, A. D.,
 The Cinematic Display of Numerical Solutions of
 Explosion Hydrodynamics Problems, 70:
 803-805, Oct. 1961
- Stevens, Karl K. and Miller, Robert E., Stresses and Deformations in a Uniformly Rotating Rectangular Mirror, 73: 1032-1036, Dec. 1964
- Stevens, R. J. and Tull, A. G., Cinemicrography Applied to the Study of Dye Transfer From Relief Matrices, 74: 675-677, Aug. 1965
- Stickley, C. M., Lipke D. W. and Healey, T. J., Photographic Studies of Mode and Polarization Phenomena in Ruby Lasers, 72: 534-536, July 1963
- Stickley, William T., McKim, J. W. and West, Theodore C., Short Films for Self-Instruction in Biomedical Education, 74: 741-742, Sept. 1965
- Stifle, Ethan M., Capra, Frank, Gephart, William E.
 Jr., and White, Deanc R., Technical Report of a Visit to Motion-Picture Facilities in the USSR, 73: 177-196, Mar. 1964
- ——, President's Message, 1965, 74: 2, Jan. 1965 Stillman, George and Burgess, Don, An 8mm Film System for Educational Television, 74: 750-753, Sept. 1965
- Stimson, Allen, The G-Number: A Photometric Lens-Aperture Designation, 74: 99-101, Feb. 1965
- Stockdale, Willis L. and Graham, C. Loren, Economical 8mm Commercial Prints, 73: 934-936, Nov. 1964
- Stolzenburg, William A., The Double Knife-Edge Technique for Improved Schlieren Sensitivity in Low-Density Hypersonic Aerodynamic Testing, 74: 654-659, Aug. 1965
- Stout, Carl C., Technical Activities of the Staff Department, 71: 754-755, Oct. 1962
- Streiffert, J. G. and Finkle, J. F., The Performance of Photographic Soundtracks on Eastman Color Print Film, Type 5385, With Special Reference to 8mm Usage, 73: 936–938, Nov. 1964
- , Technique for the Examination of Contact Area of Magnetic Tapes, 74: 678-680, Aug. 1965 Strong, Michael and Williams, Gordon, Quality
- Control of 16mm Variable-Area Soundtracks for Small Studios, 73: 792-796, Sept. 1964 Stroud, William G. and Stampfl, Rudolf A., Auto-
- matic Picture Transmission TV Camera System for Meteorological Satellites, 73: 130-134, Feb. 1964
- Stucker, Howard and Loper, James L., Application and Scope of Television Tape Recording in Educational Broadcasting, 72: 151-153, Mar. 1963
- Stum, Robert W., and Goodman, R. Irwin, Motion-Picture Studio of Brigham Young University, 70: 165-168, Mar. 1961
- Stunkard, N. W., Dyke, W. P., Grundhauser, F. J. and Collins, F. M., Thirty-Nanosecond Radiography, 71: 82-85, Feb. 1962
- Sturgis, Warren, The Motion Picture as a Tool in Medical Education, 71: 734-737, Sept. 1962
- Sultanoff, Morton, Some Philosophical Aspects of High-Speed Photographic Instrumentation, 70: 1-6, Jan. 1961
- Sutton, Robert L., Hedden, William D. and Gyori, Robert, Ektachrome Original Film Processing, 72: 27-31, Jan. 1963
- Tabernero, Pablo, Establishing and Maintaining Printer Light Color Balance in Additive Color Printing by a System of Controlled Chance, 70: 502-508, July 1961
- Tager, Pavel G., Image Distortion Due to Misalignment of the Head Wheel and Vacuum Guide, 73: 1029-1039, Dec. 1964
- Takatsuji, Tsukasa, Matsuyama, Kihachiro and Miyagishima, Katsuya, A Method of Edging Letters Superimposed in TV Pictures, 71: 579-580, Aug.

- Tarnowski, A. A. and Evans, C. H., Photographic Data Recording by Direct Exposure With Electrons, 71: 765-768, Oct. 1962
- Taylor, David M., A Transitorized Color Television Film Camera, 74: 930-935, Oct. 1965
- Teeple, L. R., Jr., Principle and Proof of a Simultaneous-Writing High-Speed Streak and Framing Camera Concept, 70: 969-971, Dec. 1961
- Teicher, Stephen, Wells, R. E., Jr., Schildkraut, Robert E. and Edgerton, Harold E., Cinemicrophotography of Blood Flow in Man, 73: 627-628, Aug. 1964
- Teitelbaum, Harry, HFC High-Speed Inspection Projector, 71: 732, Sept. 1962
- Theile, Richard, The Work of the E.B.U. Ad-hoc Group on Colour Television (Reprint), 72: 860-862, Nov. 1963
- Theophanis, George A., A Kerr-Cell Camera With Synchronized Light Source for Millimicrosecond Reflected Light Photography, 70: 522-527, July 1961
- Thomas, Deane S., Jr., Rees, Herbert L. and Lovick, Robert C., A New Reversal Print Material for a Color Production System, 74: 671-675, Aug. 1965
- Thomer, G. and Schall, R., Application of Image Intensifier in Flash Radiography, 70: 20-22, Jan. 1961
- ——, and Stenzel, A., X-Ray Flash Cinematography up to 12,000 Images/Sec, 70: 18-20, Jan. 1961
- Thompson, Lloyd, Problems in the Design of a 8mm Magnetic Sound-on-Film Projector (Reprint), 70: 588-589, Aug. 1961
- Thorwart, Walter, Früngel, Frank and Alberti, Heinz, High-Speed X-Ray Flash Cinematography of Small Objects, 71: 90-92, Feb. 1962
- ——, Früngel, Frank and Patzke, H. G., High-Speed Photography of Rapid Air Currents and Shock Waves by Means of High-Frequency High-Voltage Sparks, 71: 178-182, Mar. 1962
- Tjaden, D. L. A. and Leyton, J., A 5000:1 Scale Model of the Magnetic Recording Process (Abridgement by Pierre Mertz), 74: 1024-1027, Nov. 1965
- Topfer, Franz, A Method for Analyzing High-Speed Films, 70: 374-376, May 1961
- Townsend, Charles L., Key TV: A Participation Approach to Subscription Television, 71: 157-160, Mar. 1962
- Tredwell, John, Edgerton, Harold E. and Cooper, Kenneth W., Jr., Submicrosecond Flash Sources, 70: 177-180, Mar. 1961
- Tressel, George W., Andrews, Stanley J., Jr., Giroux, Daniel S. and Abderhalden, Norman L., A Portable, Compact Motion-Picture Kit, 73: 954-955, Nov. 1964
- ——, and Andrews, Stanley J., Jr., An Aerial-Image Unit for Industrial Animation, 73: 956-957, Nov. 1964
- ----, and Andrews, Stanley J., Jr., Electronic Control Unit for an Industrial Animation Camera, 73: 957-958, Nov. 1964
- ——, and Andrews, Stanley J., Jr., An Editing Bench for Industrial Film Production, 73: 959-960, Nov. 1964
- ——, and Andrews, Stanley J., Jr., Tape Control for Animation Photography, 74: 1101-1102, Dec. 1965
- ——, and Andrews, Stanley J., Jr., Preparation and Projection of Multilingual Films, 74: 1103, Dec. 1965
- Trofimova, N., Rudakov, V. and Bongard, S. (Trans. Deane R. White, from Tekh. Kino i Telev., Jan. 1965, p. 90), Visit to USA Motion-Picture Plants by Soviet Cine Specialists, 74: 562-564, June 1965
- Truesdell, T. H., New Underwater Scuba-Diver Camera, 71: 732, Sept. 1962
- Tsai, Donald H. and Cassidy, Esther C., A New Fast-Opening, Large-Aperture Shutter for High-Speed Photography, 72: 531-533, July 1963
- Tull, A. G., and Stevens, R. J., Cinemicrography Applied to the Study of Dye Transfer From Relief Matrices, 74: 675-677, Aug. 1965
- Turner, Eugene B. and Leonard, Stanley L., Kerr-Cell Photography in Plasma Physics, 71: 501-504, July 1962
- Turner, John R., Cummins, George E. and Wilson, Robert J., Rapid Processing of Motion-Picture Film by the Application of Viscous Coatings, Part

- I: Viscous-Layer Processing of Motion-Picture Film, 70: 875-877, Nov. 1961
- , Ripson, Philip A., Jr., Kolb, Frederick J., Jr. and Yavitz, Eric A., Liquid Gate for the Projection of Motion-Picture Film, 71: 100-105, Feb. 1962
- Tyo, John H., Teaching Film Production in American Colleges and Universities, 71: 648-651, Sept. 1962
- Umiuchi, Takao, Hayashi, Minoru, Yoshihara, Noboru, Hosai, Sakae and Hara, Kenichi, An Approach to the Automation of Television Studio Program Production, 73: 942-946, Nov. 1964
- Upatnieks, J., Leith, E. N., Hildebrand, B. P. and Haines, K., Requirements for a Wavefront Reconstruction Television Facsimile System, 74: 893-896, Oct. 1965
- Uyemura, Tsuneyoshi, A New Type of Ultra-High-Speed Framing Camera Combining a Rotating Mirror With a Film Drum, 70: 280-283, Apr. 1961
- Vanden Berghe, René and Deffet, Louis, Use of High-Explosive Flash for Photography by the Schardin System, 70: 283-287, Apr. 1961
- van der Spank, P. M. C., The Television Installation on Board the S.S. France, 72: 552-558, July 1963
- Van Doorn, A. G. and De Haan, E. F., The Plumbicon: A Camera Tube With a Photoconductive Lead Oxide Layer, 73: 473-476, June 1964
- ------, and de Haan, E. F., A Plumbicon Color Broadcast Camera, 74: 922-926, Oct. 1965
- Van Luvanee, H. E., A Versatile Technique for Synchronous Remote-Controlled Photography, 74: 999-1001, Nov. 1965
- Van Weyenbergh, George F., Multilingual Sound Installation at the Palace of Science, Brussels World Fair, 70: 848, Oct. 1961
- Vides, Max Mejia, Wunder, Fred, and Dussault, H., Letters to the Editor—Sound Delay Systems (Re: "Time Delay System for Sound-Picture Syncing," pp. 843-848, Nov. 1963), 73: 222-223, Mar. 1964
- Vine, B. H., Analysis of Noise in the Image Orthicon, 70: 432-435, June 1961
- ——, Neuhauser, R. G., Kuehne, J. E. and Robinson, G. A., The Design of a High-Resolution Vidicon, 71: 833-837, Nov. 1962
- con, 71: 833-837, Nov. 1962 Vittum, P. W. Chemistry and Color Photography,
- 71: 937-941, Dec. 1962 Vivié, Jean, Letter to the Editor: Re: 8mm and Small Format Film, 72: 412, May 1963
- ——, Note Concerning a Method for Designing the Dimensions of a Small-Format Sound Film, 72: 676-677, Sept. 1963
- Vlahos, Petro, Selection and Specification of Rear-Projection Screens, 70: 89-95, Feb. 1961
- Waddell, John H., Picture Jump and Weave in Rotating-Prism Cameras, 73: 648-650, Aug. 1964
- Wagner, Robert W., History and Future of Cinema Education in the United States, 71: 643-647, Sept. 1962
- —, Motion Pictures and the University, 72: 284-287, Apr. 1963
- Wald, Don, The uses of Professional Film Techniques in Medical Motion-Picture Production, 74: 743-744, Sept. 1965
- Wallin, Walter, Design of Special Projector Illuminating Systems, 71: 769-771, Oct. 1962
- Waner, John, Considerations in Color Film Production for Color Television: A Committee Report, 73: 411-414, May 1964
- Waters, R. T., Dyson, J. and Hemmings, R. F., An f/1 Streak Camera for Spark Studies in Both Ultraviolet and Visible, 70: 725-730, Sept. 1961
- Webster, Edward W. and Wipfelder, Rosemarie, Contrast and Detail Perception in Television and Cine Systems for Medical Fluoroscopy, 73: 617-621, Aug. 1964
- Weigel, E. M., Kolb, F. J., Lovick, R. C. and Peer, J. R., Precision Magnetic Striping of 8mm Film, 70: 611-617, Aug. 1961

- ——, and Kolb, Frederick J., Jr., Lubrication of Motion-Picture Film, 74: 297-307, Apr. 1965
- Weisgerber, Robert A., A Pattern for University Film Production, 72: 200-291, Apr. 1963
- Wells, Roe E., Jr., Schildkraut, Robert E., Teicher, Stephen and Edgerton, Harold E., Cinemicrophotography of Blood Flow in Man, 73: 627-628, Aug. 1964
- Wentworth, John W., Camera Tubes for Studio Use
 —A Semi-Technical Appraisal for Educators,
 72: 153-157, Mar. 1963
- ----, A Systems Engineering Approach to Educational Facilities, 72: 659-663, Sept. 1963
- Wentworth, Lowell, Motion Pictures and Television in Medicine, Introduction, 73: 617, Aug. 1964
- West, Lloyd E., Larson, George W. and Hubbell, David C., Application of Two Analytical Test Methods to Predict Processed Image Stability, 71: 495-501, July 1962
- West, Theodore C., McKim, J. W. and Stickley, William T., Short Films for Self-Instruction in Biomedical Education, 74: 741-742, Sept. 1965
- Westheimer, Joseph, Black-and-White Applications of the Blue-Screen Technique, 73: 949-950, Nov. 1964
- Whalley, Wilfrid B., O'Brien, Richard S., Monroe,
 Robert B. and Evans, A. Pierce, CBS-KNXT
 Television Broadcasting Center, 71: 251-265,
 Apr. 1962
- White, D. J. and Brown, A. N., The Case for Split 16mm Film, 71: 624-626, Aug. 1962
- White, Deane R., The 1961 International Standards Organization Technical Committee 36 Meeting, 70: 967-971, Dec. 1961
- ——, 8mm and New Small-Format Film Systems (introduction), 71: 555, Aug. 1962
- —, Definitions: Photography, Science, Engineering, 72: 812, Oct. 1963
- ——, Comments in Moscow on Motion-Picture Industry, 72: 957–958, Dec. 1963
- , Čapra, Frank, Gephart, William E., Jr. and Stifle, Ethan M., Technical Report of a Visit to Motion-Picture Facilities in the USSR, 73: 177-196, Mar. 1964
- ----, American Standards and Small-Format Films, 73: 580-581, July 1964
- White, Floyd E., Jr. and Neyman, Robert L., Horizontal Projection of 16mm Film With Two Tracks of Half-Size 16mm Pictures and With Optical Sound, 72: 82-84, Feb. 1963
- White, W. Edw., A Semiautomatic Analytical Recording Densitometer, 72: 798-803, Oct. 1963
- Whitman, E. C., Jacobs, S. J. and McLanahan, J. D., Jr., A High-Speed Focal Plane Shutter Framing Camera, 72: 923-926, Dec. 1963
- Whittaker, John R., Slow-Motion Playback of Television Film Recording, 71: 578-579, Aug. 1962
- ——, and Benson, K. B., Television Slide Processing and Precision Registration Equipment, 74: 15-18, Jan. 1965
- Whyte, J. N., The Core Camera: Continuous Receptivity—One Rotating Element, 70: 111-113, Feb. 1961
- Willard, Joel, 8mm Variable-Area Sound Motion Pictures: Part 1. Key to an Audio-Visual Revolution, 73: 546, July 1964
- Williams, Allan L. and Gale, Robert O., Factors Affecting Color Film Dye Stability: Related Printing Problems and Release Print Quality, 72: 804-809, Oct. 1963
- Williams, Don G., Worldwide Training in Film and Television Production, 72: 279-281, Apr. 1963
- Williams, Gordon and Strong, Michael, Quality Control of 16mm Variable-Area Soundtracks for Small Studios, 73: 792-796, Sept. 1964
- Wilson, Robert J., Cummins, George E. and Turner, John R., Rapid Processing of Motion-Picture Film by the Application of Viscous Coatings, Part I: Viscous-Layer Processing of Motion-Picture Film, 70: 875-877, Nov. 1961
- Wilson, Robert J. and Finkle, John F., Viscous-Layer Processing of Variable-Area Sound Negatives, 73: 125-128, Feb. 1964
- Winslow, Ken, Isberg, R. A. and Frye, Roger, A High-Quality Instructional Television System Including a Mobile Video-Tape Recorder, 72:

- 168-170, Mar. 1963
- Wipfelder, Rosemarie and Webster, Edward W., Contrast and Detail Perception in Television and Cine Systems for Medical Fluoroscopy, 73: 617-621, Aug. 1964
- Wise, Lou T., and French, Maurice, Canadian Nationwide Closed-Circuit Television Meeting, 72: 628-630, Aug. 1963
- ——, An Experimental 8mm Film Production Workshop for Teachers, 73: 773-774, Sept. 1964
- Witherell, William R., Jr. and Mengeringhausen, Henry C., A Nonstandard Use of 16mm to Meet the 8mm Print Cost Challenge, 71: 566-568, Aug. 1962
- Woelfel, Julian B., Hickey, Judson C. and Friend, John L., The Use of Motion Pictures in an Analysis of the Masticating Cycle, 71: 626-628, Aug. 1962
- Wood, C. B. B., Padel, S. H., and Rainger, Peter, Cablefilm Equipment, 70: 494-498, July 1961
- ——, Sanders, J. R. and Griffiths, F. A., Electronic Compensation for Color Film Processing Errors, 74: 755-759, Sept. 1965
- Wood, Sumner, Jr., Cinephotomicroscopy of Living Tissues in Medical Research and Teaching, 74: 737-740, Sept. 1965
- Wright, Harold, 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, 70: 882-897, Nov. 1961
- ——, Factors Affecting Determination of Monochrome Television Film Exposure and Speed Indexing, 73: 305-313, Apr. 1964
- ---, Exposure Meters and Measuring Techniques in Telefilm Exposure Control, **74**: 577-587, July 1965
- Wu, T. T., Burt, A. D. and Clurman, S. P., Design of Satellite Tape Recorders After Tiros I, 72: 787-791, Oct. 1963
- Wunder, Fred, Dussault, H., Vides, Max Mejia, Letters to the Editor—Sound Delay Systems (Re: "Time Delay System for Sound-Picture Syncing," pp. 843-848, Nov. 1963), 73: 222-223, Mar. 1964
- Wunsch, D. C. and Guenther, A. H., The Frame Edge as an Internal Reference Line in Rotating-Mirror Framing Cameras, 74: 995-999, Nov. 1965
- Yavitz, Eric A., Energy Absorption Considerations in Motion-Picture Projection, 70: 686-690, Sept. 1961
- ——, Turner, John R., Ripson, Philip A., Jr. and Kolb, Frederick J., Jr., Liquid Gate for the Projection of Motion-Picture Film, 71: 100-105, Feb. 1962
- -----, and Preo, Paul H., Effect of Winding on the Projection Performance of 35mm Motion-Picture Film, 74: 521-525, June 1965
- Yoshihara, Noboru, Hayashi, Minoru, Hosoi, Sakae, Umiuchi, Takao and Hara, Kenichi, An Approach to the Automation of Television Studio Program Production, 73: 942-946, Nov. 1964
- Zajac, E. E., Computer Animation: A Scientific and Educational Tool, 74: 1006-1008, Nov. 1965
- Zeper, Roy, A Portable Synchronous Interlock Projection System, 72: 943-945, Dec. 1963
- Ziemelis, O. J., Gray, S. and Murray, P. C., Improved High Resolution Electron Gun for Television Cameras, 72: 792-794, Oct. 1963
- Zucchino, P. M. and Lowrance, J. L., Television Camera System for the Command Module of the Apollo Spacecraft, 74: 79-83, Feb. 1965
- Zuidema, John W., The Sulfuric Acid-Potassium Dichromate Bleach in the Black-and-White Reversal Process, 72: 485-487, June 1963
- Zwick, Daan, How Color Negative Film Surface Characteristics Affect Picture Quality, 71: 15-20, Jan. 1962
- -----, and Osborne, Charles, Use of the Split-Frame Technique in Motion-Picture Investigations, 71: 931-932, Dec. 1962

American Standards, Proposals, Recommended Practices, 1961–1965

This is an index of items published during the 5-year period. There is available from Society headquarters an Index to American Standards and SMPTE Recommendations which shows those in force at the end of a given year.

No.	Title	Vol., page, issue
APERTURES, CAMERA		
PH22.7-1964	Dimensions of 16mm Motion-Picture Camera Aperture Image	73: 583, July 196
DYY00 10 10/4	Proposed	72: 34, Jan. 196
PH22.19-1964	Dimensions of 8mm Motion-Picture Camera Aperture Image	73: 584, July 196 72: 35, Jan. 196
PH22.59	Proposed, Dimensions of 35mm Motion-Picture Camera Aperture Images	73: 805, Sept. 196
APERTURES, PRINTER		
PH22.48-1965	Location of Printed Areas in 16mm Picture and Sound Contact Printing	74: 432, May 196
DI 100 40 4046	Proposed	73 : 141, Feb. 196
PH22.49-1946	Notice of Withdrawal, Printer Aperture Dimensions for Contact Printing 16mm Reversal and Color Reversal Duplicate Prints	74: 429, May 196
	Proposed Withdrawal	73: 141, Feb. 196
PH22.111-1965	Dimensions of Exposed Areas for Picture and Photographic Sound on 35mm Motion-Picture Prints Made on Continuous Contact Printers	74. 1111 Dec. 106
	Proposed	74: 1111, Dec. 196 73: 888, Oct. 196
ADDOTTIDES DOOTECTO		,
APERTURES, PROJECTO PH22.8	Proposed, Dimensions of 16mm Motion-Picture Projected Image Area	73: 1044, Dec. 196
PH22.20	Proposed, Dimensions of 8mm Motion-Picture Projected Image	73: 669, Aug. 196
PH22.58	Proposed, Dimensions of 35mm Motion-Picture Nonanamorphic Projected Image	
PH22.104-1957	Area	73: 803, Sept. 196
	with Squeeze Ratio of 2:1	74: 429, May 196.
PH22.106-1965	Proposed Withdrawal	73: 23, Jan. 1964
F.F122.100-1905	Aspect Ratio	74: 1030, Nov. 196
	Proposed	73: 804, Sept. 196
CORES FOR RAW STOCI	(FILM	
PH22.37-1963	Dimensions of Raw Stock Cores for 35mm Motion-Picture Film	73: 24, Jan. 196
DX 133 30 1074	Proposed	70: 533, July 196
PH22.38-1964	Dimensions of Raw Stock Cores for 16mm Motion-Picture Film	73: 217, Mar. 1964 71: 942, Dec. 1962
DENSITY MEASUREMEN	•	72. 712, 2500. 150,
RP 15-1964	Calibration of Densitometers Used for Black-and-White Photographic Density	
	Measurement	73: 335, April 1964
	Proposed	72: 625, Aug. 1963
EDGE NUMBERING	0 '0 '' 0 T '' 10 T '' 17 17 17 16 17 17 1	
PH22.83-1965	Specifications for Location and Spacing of Edge Numbers on 16mm Motion-Picture Film	74: 1109, Dec. 1965
	Proposed	73 : 1045, Dec. 1964
FILM DIMENSIONS		
PH22.1-1964	Dimensions for 35mm Motion-Picture Film, DH-1870	73: 1046, Dec. 1964
	Proposed	71: 674, Sept. 1962
PH22.5-1964	Dimensions for 16mm Motion-Picture Film, 2R-3000	. 74: 125, Feb. 1965 71: 593, Aug. 1962
PH22.12-1964	Dimensions for 16mm Motion-Picture Film, 1R-3000	74: 127, Feb. 1965
DI 100 4W 40 CF	Proposed	71: 594, Aug. 1962
PH22.17-1965	Dimensions for 16mm Motion-Picture Film, Perforated 8mm, 2R-1500 Proposed	74: 431, May 1965 71: 594, Aug. 1962
PH22.36-1964	Dimensions for 35mm Motion-Picture Film, KS-1870	73: 1050, Dec. 1964
DY 100 04 10 C4	Proposed	71: 675, Sept. 1962
PH22.34-1964	Dimensions for 35mm Motion-Picture Film, BH-1870	73: 1049, Dec. 1964 72: 110, Feb. 1963
PH22.71-1965	Dimensions for 32mm Motion-Picture Film, 2R-3000	74: 530, June 1965
DI122 72 1065	Proposed	72: 706, Sept. 1963
PH22.72-1965	Dimensions for 32mm Motion-Picture Film, 4R-3000	74: 531, June 1965 72: 707, Sept. 1963
PH22.73	Proposed, Dimensions for 35mm Motion-Picture Film, Perforated 32mm, 2R-2994	74: 260, Mar. 1965
PH22.93-1964	Dimensions for 35mm Motion-Picture Film, BH-1866	73: 1051, Dec. 1964
PH22.102-1964	Proposed	71: 676, Sept. 1962 73: 1052, Dec 1964
	Proposed	72: 111, Feb. 1963
PH22.109-1965	Dimensions for 16mm Motion-Picture Film, 1R-2994	74: 939, Oct. 1965
	Proposed	73: 889, Oct. 1964

No.	Title	Vol., page issue
PH22.110-1965	Dimensions for 16mm Motion-Picture Film, 2R-2994	74: 940, Oct. 1965 73: 890, Oct. 1964
PH22.119-1961	Dimensions for 65mm Motion-Picture Film, KS-1870	70: 189, Mar. 1961 70: 190, Mar. 1961
PH22.138-1964 PH22.139-1964	Proposed	74: 128, Feb. 1965 71: 592, Aug. 1962 73: 1053, Dec. 1964
PH22.141-1965		71: 677, Sept. 1962 74: 532, June 1965
PH22.142-1965		72: 708, Sept. 1963 74: 534, June 1965
PH22.145-1965	Proposed Dimensions for 65mm Motion-Picture Film, KS-1866 Proposed	72: 709, Sept. 1963 74: 942, Oct. 1965 73: 891, Oct. 1964
FILM LENGTH		,
PH22.143-1965	Specifications for Length of Film on 8mm Motion-Picture Camera Spool (25-ft Capacity)	74: 432, May 1965 72: 815, Oct. 1963
FILM USAGE, CAMERA		
PH22.2-1961 PH22.9-1965	35mm Photographic Sound Motion-Picture Film, Usage in Camera Specifications for Camera Usage of 16mm Motion-Picture Film Perforated Two Edges	70: 912, Nov. 1961 74: 685, Aug. 1965
PH22.15-1964	Proposed Specifications for Camera Usage of 16mm Motion-Picture Film Perforated One Edge.	73: 802, Sept. 1964 74: 129, Feb. 1965
PH22.21-1964	Proposed Specifications for Camera Usage of Double Width 8mm Motion-Picture Film, Per-	72: 408, May 1963
	forated Two Edges	73: 1048, Dec. 1964 72: 36, Jan. 1963
FILM USAGE, PROJECTO		
PH22.3-1961 PH22.10-1964	35mm Photographic Sound Motion-Picture Film, Usage in Projector Specifications for Projector Usage of 16mm Motion-Picture Film Perforated Two Edges	70: 535, July 1961 73: 1047, Dec. 1964
PH22.16-1965	Proposed Specifications for Projector Usage of 16mm Motion-Picture Film Perforated One Edge.	72: 623, Aug. 1963 74: 430, May 1965
PH22.22-1964	Proposed	72: 409, May 1963
PH22.103	Edge	73: 1048, Dec. 1964 72: 36, Jan. 1963
	Track Magnetic Sound Records	73: 888, Oct. 1964
LAMPS PH22.84-1964	Dimensions of Projection Lamps Double-Contact Medium Ring Base-Up Type	73: 585, July 1964
PH22.85-1964	Proposed	71: 946, Dec. 1962 73: 582, July 1964
	Proposed	71: 947, Dec. 1962
LENS PH22.53	Proposed, Method for Determining Resolving Power of 16mm Motion-Picture	<u></u>
PH22.53-1953	Projector Lenses	71: 942, Dec. 1962
PH22.74-1965	Picture Projector Lenses	73: 1043, Dec. 1964 74: 430, May 1965
PH22.90-1964	Proposed	72: 815, Oct. 1963 73: 496, June 1964
	Proposed	71: 515, July 1962
LENS MOUNTS RP 3-1957	Notice of Reaffirmation, Lens Mount Surface for High-Speed Motion-Picture Cameras	73: 805, Sept. 1964
NOMENCLATURE PH22.56-1961	Nomenclature for Motion-Picture Film Used in Studios and Processing Labora-	· -
PH22.56a-1964	tories (Sections 1-4)	70: 537, July 196
2 444210011 4504	ries (Sections 5–7)	73: 218, Mar. 1964 71: 944, Dec. 1962
REELS		
PH22.4-1965	Dimensions of 35mm Motion-Picture Projection Reels	74: 685, Aug. 1965 72: 623, Aug. 1965

	No.	Title	Vol., page, issue
	PH22.11 PH22.147	Proposed, Dimensions for 16mm Motion-Picture Reels (200- to 2,000-ft Capacity) Proposed, Dimensions of Motion-Picture Projection Reels for Combination 70/35 mm Projectors	74: 258, Mar. 196: 74: 339, Apr. 196
RELEASE :	PRINTS		,
	PH22.55	Proposed, Specifications for Leaders and Cue Marks for 35mm and 16mm Motion-Picture Release Prints	74: 36, Jan. 196:
REVERSAL	COLOR FILM	SPEED	
	PH22.146	Proposed, Speed of Reversal Color Films Intended for Camera Use and Direct Projection in Motion-Picture Photography	73: 1045, Dec. 1964
SCENE-CH	ANGE CUEING		
	PH22.89-1958	Notice of Withdrawal, Scene-Change Cueing for Printing 16mm Motion-Picture Film	74: 684, Aug. 1965
		Proposed Withdrawal	73: 805, Sept. 1964
SCREENS			-
. 021.2.2 1.0	PH22.39-1953	Notice of Withdrawal, Screen Brightness for 35mm Motion Pictures	73: 582, July 1964
	PH22.124-1961 PH22.133-1963	Screen Luminance for Indoor Theaters	70: 730, Sept. 1961 72: 495, June 1963
	1 1122.133-1903	Proposed , ,	70: 911, Nov. 1961
	RP 12-1962	Minimum Screen Luminance for Drive-In Theaters	71: 514, July 1962
		Proposed	71: 109, Feb. 1962
SOUND	PH22.86-1962 PH22.87	200-Mil Magnetic Sound Records on 35mm and 17½mm Motion-Picture Film Proposed, 100-Mil Magnetic Striping on 16mm Motion-Picture Film Perforated	71: 373, May 1962
	PH22.88-1963	One Edge	73: 1043, Dec. 1964 72: 493, June 1963
	PH22.97-1964	Proposed	71: 188, Mar. 1962 73: 220, Mar. 1964
	PH22.101-1963	Proposed Dimensions of Magnetic Striping of 16mm Motion-Picture Film, Perforated 2R-3000	71: 947, Dec. 1962 72: 494, June 1963
	77700 400 4050	Proposed	71: 188, Mar. 1962
	PH22.108-1958 PH22.127-1962	Notice of Reaffirmation, Four Magnetic Sound Records on 35mm Film Magnetic Striping of 16mm Prints Having Magnetic-Photographic Sound Records	74: 529, June 1965 71: 854, Nov. 1962
		Proposed	70: 534, July, 1961
	PH22.134-1963	Specifications of 8mm Magnetic Sound Reproducing Characteristic Proposed	72: 561, July 1963 70: 989, Dec. 1961
	PH22.135-1962	Magnetic Sound Record on 8mm Motion-Picture Film, Perforated IR-1500	71: 859, Nov. 1962
	PH22,136-1963	Proposed	70: 989, Dec. 1961 72: 496, June 1963
		Proposed	70: 989, Dec. 1961
	PH22.137-1963	Dimensions of Four-Track Magnetic Sound Records for 35mm Release Prints . Proposed	73: 23, Jan. 1964 71: 111, Feb. 1962
SENSITOM	ETRIC STRIPS		
	RP 14-1964	Plotting Data from Sensitometric Strips Exposed on Type 1b2 (Intensity Scale) Sensitometers	73: 334, Apr. 1964
		Proposed	72: 624, Aug. 1963
SPINDLES			
	RP 21	Proposed, Dimensions of 35mm Rewind Spindles	74: 798, Sept. 1965
SPLICES		•	• •
oi lices	PH22.24-1965	Dimensions of Transverse Cemented Splices on 16mm and 8mm Motion-Picture	
		Film, Projection Type	74: 1110, Dec. 1965
	PH22.77-1965	Proposed	73: 670, Aug. 1964
	11111117-1903	Film, Laboratory Type	74: 1110, Dec. 1965 73: 671, Aug. 1964
SPOOLS			
	PH22.107-1964	Dimensions of 8mm Motion-Picture Camera Spools (25-ft Capacity)	73: 500, June 1964
		Proposed	72: 37, Jan. 1963
		Proposed	70: 989, Dec. 1961
SPROCKET		46 m of one and a man and a man and a	
	PH22.35-1962	16-Tooth 35mm Motion-Picture Projector Sprockets	71: 370, May 1962
relevisio			
	PH22.95-1963	Television Image Area on 35mm Motion-Picture Film	72: 816, Oct. 1963 71: 373, May 1962
	PH22.96-1963	Television Image Area on 16mm Motion-Picture Film	71: 3/3, May 1962 72: 816, Oct. 1963
		Proposed	71: 374, May 1962

	No.	Title	Vol.	, page, issue
	PH22.144-1965	Dimensions and Optical Specifications of Test Slides and Transparencies for Tele-		
		vision		434, May 1965
٠	RP 7-1962	Proposed	73: 71:	338, Apr. 1964 369, May 1962
		Proposed	70:	989, Dec. 1961
	RP 8-1961	Safe Title Area for TV Transmission		541, July 1961
	RP9	Proposed	70: 70:	42, Jan. 1961 43, Jan. 1961
	RP 13-1963	Safe Action Area for TV Transmission	72:	953, Dec. 1963
		Proposed	72:	407, May 1963
TEST FILM	4S			
	PH22.42-1962	16mm Sound-Focusing Test Films, Photographic Type	71:	372, May 1962
	PH22.43-1961 PH22.44-1963	16mm 3000-Cycle Flutter Test Film, Photographic Type	70: 72:	535, July 1961 112, Feb. 1963
	PH22.45-1962	16mm 400-Cycle Signal-Level Test Film, Photographic Type		859, Nov. 1962
	PH22.57-1963	Specifications of 16mm Buzz-Track Test Film, Photographic Type	72:	493, June 1963
	DI 102 (1 10/2	Proposed	71:	187, Mar. 1962
	PH22.61-1963	Specifications of 7-ke Sound-Focusing Test Film for 35mm Motion-Picture Sound Reproducers	72:	561, July 1963
		Proposed		187, Mar. 1962
	PH22.68-1962	Buzz-Track Test Film for 35mm Motion-Picture Sound Reproducers, Photographic	711	272 14 1062
	PH22.80	Type	71:	372, May 1962
	I AIMMIUU	Motion-Picture Sound Reproducers	74:	797, Sept. 1965
	PH22.98-1963	Specifications of 35mm 3-Track Flutter Test Film, Magnetic Type	72:	817, Oct. 1963
	PH22.113	Proposed	71: 74:	374, May 1962 798, Sept. 1965
	PH22.126-1961	16mm Multi-Azimuth Test Film, Magnetic Type		913, Nov. 1961
	PH22.128-1962	8mm Flutter Test Film, Perforated 1R-1500, Magnetic Type	71:	855, Nov. 1962
	DY 122 120 1072	Proposed		830, Oct. 1961 856, Nov. 1962
	PH22.129-1962	Proposed	70:	831, Oct. 1961
	PH22.130-1962	8mm 400-Cycle Signal Level Test Film, Perforated 1R-1500, Magnetic Type	71:	857, Nov. 1962
	DYY00 404 4040	Proposed		832, Oct. 1961
	PH22.131-1962	8mm Multifrequency Test Film, Perforated 1R-1500, Magnetic Type		858, Nov. 1962 833, Oct. 1961
	PH22.132-1963		72:	494, June 1963
	DY100 440 40 4	Proposed	.70:	910, Nov. 1961
	PH22.140-1965	Specifications for 16mm Multifrequency Test Film, Perforated One Edge, Magnetic Type.	74:	433, May 1965
		Proposed		710, Sept. 1963
	RP 18-1964	Test Film for Checking 16mm Motion-Picture Photographic Sound Projectors		967, Nov. 1964
	RP 19	Proposed	73: 74:	337, April 1964 535, June 1965
	RP 20	Proposed, Specifications for 16mm Registration Test Film		536, June 1965
TEST MET	TIODE			•
TEST IME	PH22.51-1961	Intermodulation Tests for 16mm Variable-Density Photographic Sound Prints	70:	536, July 1961
***************************************		morniographic sound remains the state of the		223, 243, 1731
UNSTEAD	RP 17-1964	A Photographic Recording Technique for Measuring High-Speed Camera Image		
	KI 17-1504	Unsteadiness	73:	417, May 1964
		Proposed	73:	25, Jan. 1964
VIDEO MA	GNETIC TAPE	RECORDING		
	C98.1-1963	Dimensions for 2-In, Video Magnetic Tape	72:	954, Dec. 1963
	C98.2-1963	Specifications for Monochrome Video Magnetic Tape Leader	72: 70:	955, Dec. 1963 381, May 1961
	C98.3-1963	Audio Records for 2-In. Video Magnetic Tape Recordings	72:	956, Dec. 1963
	C98.4-1963	Speed of 2-In, Video Magnetic Tape	72:	956, Dec. 1963
	C98.5-1965	Dimensions of 2-In. Video Magnetic Tape Reels	74: 72:	340, Apr. 1965 409, May 1963
	C98.6-1965	Dimensions of Video, Audio, and Tracking Control Records on 2-In. Video Mag-	/#.	405, May 1505
		netic Tape	74:	341, April 1965
	RP 5-1964	Proposed	73: 73:	340, Apr. 1964 333, Apr. 1964
	A.C. 5*1704	Proposed	72:	881, Nov. 1963
	RP 10-1962	Signal Specifications for a Monochrome Video Alignment Tape for 2-In. Video		·
		Magnetic Tape Recording		512, July 1962 379, May 1961
	RP 11-1962	Proposed	70:	5/5, 1viay 1501
		on 2-In. Magnetic Tape		186, Mar. 1962
	DD 14 1044	Proposed	70:	829, Oct. 1961
	RP 16-1964	Specifications of Tracking Control Record for 2-In. Video Magnetic Tape Recordings	73:	416, May 1964
		Proposed		813, Oct. 1963

ISO Recommendations, 1961–1965

No.	Title	Vol.	, page, issue
 R162-1960	Location of Recording Heads for Three Magnetic Sound Records on 35mm Film and One Magnetic Sound Record on 17.5mm Film	70:	44, Jan. 1961
R163-1960 R358-1963	Magnetic Striping of 16mm Film Perforated Along Both Edges Maximum Aspect Ratio of Projector Aperture for Projection of 35mm Non-	70:	44, Jan. 1961
R359-1963 R360-1963	anamorphotic Motion-Picture Films	74:	261, Mar. 1965 262, Mar. 1965 262, Mar. 1965