

# SUSTAINING MEMBERS

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

ATTAINMENT OF THE OBJECTIVES OF THE SMPTE IS AIDED BY THE FINANCIAL SUPPORT OF THE MEMBER COMPANIES LISTED BELOW

- Aaton RG  
Abekas Video Systems  
Academy of Motion Picture Arts & Sciences  
ADC Telecommunications, Inc.  
A. F. Associates, Inc.  
Agfa-Gevaert, N.V.  
AirTrax  
Wilhelm Albrecht GmbH Studlogerate  
Allen Avionics, Inc.  
The Allen Products Co.  
Allied Film & Video  
Alpha Video & Electronics Co.  
Alta Group, Inc.  
Altec Lansing Corp.  
A.M.E., Inc.  
Amber Technology Pty. Ltd.  
American Society of Cinematographers  
American Studio Equipment  
Ampere Electronic Co.  
Ampex Corp.  
Amtel Systems, Inc.  
Howard A. Anderson Co.  
Angenieux Corp. of America  
Anton/Bauer, Inc.  
Aphex Systems, Ltd.  
Arriflex Corp.  
Klnotone, Inc.  
Asaca/Shibasoku Corp. of America  
The Association of Cinema and Video Laboratories, Inc.  
Atlab Australia  
Audio Kinetics, Ltd.  
Avitel Electronics Ltd.  
B & B Systems, Inc.  
Ballantyne of Omaha  
Band Pro Film/Video, Inc.  
BARCO-Industries N.V.  
BAYRAK Radio & TV Corp.  
BCS-The BroadCast Store, Inc.  
BHP, Inc.  
Birns & Sawyer, Inc.  
Bose Corp.  
Branch and Appleby Ltd.  
Bremson Data Systems, Inc.  
Broadcast Video Rentals, Ltd.  
BTS, Inc.  
The Burbank Studios  
CAM-LOK, Inc.  
The Camera Mart, Inc.  
Camera Service Center, Inc.  
Canon U.S.A., Inc.  
Capital Cities/ABC, Inc.  
Dwight Cavendish Co.  
CBS, Inc.  
CEI Technology  
Centro Corp.  
Century Precision Cine/Optics  
Century Projector Corp.  
Chapman Studio Equipment  
Christie Electric Corp.  
Alfred Chrosziel Filmtechnik GmbH  
Chyron Corp. (Chyron Group)  
Cinedco, Inc.  
Cinema Electronics  
Cinema Products Corp.  
Cinematography Electronics, Inc.  
CineMills Corp.  
Cipher Digital, Inc.  
CMX Corp. (Chyron Group)  
Coherent Communications, Inc.  
Color Magic Filters, Inc.  
Colorfilm Pty. Ltd.  
Comprehensive Video Supply Corp.  
Computer Prompting Corp.  
Condor Broadcast Video Center  
Conrac Display Products, Inc.,  
(Mark IV Industries Co.)  
Consolidated Film Industries (CFI)  
Convergence Corp.  
Corporate Communications Consultants, Inc.  
Cox Enterprises, Inc.  
Cubicom Corp.  
Deluxe Laboratories, Inc.  
DeSisti Lighting/Desmar Corp.  
Digital Equipment Corp.  
Digital F/X, Inc.  
Digital Processing Systems Inc.  
Digital Video Systems Corp.  
The Walt Disney Co.  
Di-Tech Inc.  
Dolby Laboratories, Inc.  
DSC Digital Services Corp. (Chyron Group)  
Du Art Film Laboratories, Inc.  
Du Art Video  
Dubner Computer Systems, Inc.  
DYNAIR Electronics, Inc.  
Dynamic Technology Ltd.  
East Coast Video Systems  
Eastman Kodak Co.  
ECHOlab, Inc.  
Editel/NY  
Eldophor Ltd.  
Elki International, Inc.  
Evertz Microsystems Ltd.  
Faroudja Laboratories, Inc.  
Fast Forward Video  
FERCO, Inc.  
FGV Panther Corp. of America  
Filmline Technologies  
FOR-A Corp. of America  
Fostex Corp. of America  
Foto-Kem Industries, Inc.  
FPC Inc. (a Kodak Co.)  
Frezzolini Electronics Inc.  
Fujinon Inc.  
Fuji Photo Film U.S.A., Inc.  
Fumeo S.p.A.  
Adolph Gasser, Inc.  
General Electric Co.  
General Electronics Systems Inc./Diaquest  
Geocam Corp.  
Alan Gordon Enterprises, Inc.  
Graham-Patten Systems, Inc.  
Grass Valley Group, Inc.  
Gray Engineering Labs., Inc.  
R/Greenberg Associates, Inc.  
GTE Products Corp.  
Guffanti Film Labs., Inc.  
Harris Video Systems  
HEDCO, subsl. of Leitch Video Ltd.  
Hitachi Denshi America, Ltd.  
H.M.I. Lighting/Panther Video  
Hollywood Film Co.  
Houston Fearless 76, Inc.  
Hughes Communications, Inc.  
I DEN Videotronics Corp.  
Ikegami Electronics (U.S.A.), Inc.  
Image Devices Inc.  
Image Transform, Inc.  
Image Video Ltd.  
Imagica Corp.  
Innovative Television Equip. dba ITE  
Integrated Broadcast Systems Ltd.  
International Cinema Equip. Co.  
Intertec Publishing Corp.  
Irene Film Laboratories (Pty) Ltd.  
J & R Film Co., Inc.  
JVC Professional Products Co.  
KEM Elektronik Mechanik GmbH  
Laumic Co., Inc.  
LEE Colortran, Inc.  
Leitch Video of America, Inc.  
Lenco, Inc., Electronics Div.  
Lexicon, Inc.  
Lider Cine Laboratorios S.A.  
Lightmaker, div. of Camera Platforms Intl., Inc.  
LMC Peterson, Inc.  
Lowel-Light Mfg., Inc.  
LTM Corp. of America  
Magna-Tech Electronic Co., Inc.  
Magni Systems, Inc.  
MAG-ZON Inc.  
Matthews Studio Equipment, Inc.  
Maxell Corp. of America  
McCurdy Radio Industries Ltd.  
Merlin Engineering Works  
Metrocolor Laboratories, Inc.  
Micron Audio Products, Ltd.  
Microtime, Inc.  
Microwave Radio Corp.  
Midwest Communications Corp.

Miller Fluid Heads (USA) Inc.  
 Mitchell Camera Corp.  
 3M Professional Audio/Video and Specialty Products Div.  
 Mitsubishi Electric Sales America, Inc.  
 Mitsubishi Pro Audio Group  
 Mole-Richardson Co.  
 Montage Group, Ltd.  
 Moseley Associates, Inc.  
 Motion Picture Assn. of America, Inc.  
 Motion Picture Enterprises, Inc.  
 Motion Picture Promotion Corp.  
 Moviecam F. G. Bauer Filmtechnik  
 MPL Film & Video, Inc.  
 NAC Inc.  
 Nagra Magnetic Recorders, Inc.  
 National Assn. of Broadcasters  
 National Broadcasting Co., Inc.  
 National TeleConsultants, Inc.  
 NEC America, Inc.  
 Broadcast Equipment Div.  
 Neumade Products Corp.  
 NEVE  
 New England Digital Corp.  
 NHK Technical Services Co., Ltd.  
 Nikon Inc.  
 Norton Associates, Inc.  
 Novo Communications, Inc.  
 NURAD  
 NVision, Inc.  
 O'Connor Engineering Labs  
 Odetics, Inc. (Broadcast Div.)  
 Oki Electric Industry Co., Ltd.  
 Optical Disc Corp.  
 Orban Associates, Inc.  
 OSRAM Corp.  
 Otari Corp.  
 Pacific Radio Electronics  
 Pacific Title & Art Studio  
 Paltex Editing & Production Systems  
 Panasonic Broadcast Systems Co., div.  
 of Matsushita Electric Corp. of America

Panavision, Inc.  
 Pandora's Other Box Ltd.  
 PERROTT Engineering Labs, Inc.  
 Peterson International Ent. Ltd.  
 Philips Lighting Co.  
 Photo-Sonics, Inc.  
 Pinnacle Systems, Inc.  
 Plastic Reel Corp. of America  
 Posso S.A.  
 Production Film Makers Associates Ltd.  
 Professional Film & Video Equip. Assn.  
 Quanta Corp.  
 Quantel  
 Rangertone Research Inc.  
 Multi-Track Magnetics  
 Rank Cintel, Ltd.  
 Rank Film Laboratories Ltd.  
 Rank Taylor Hobson Ltd.  
 RDS Corp.  
 Rebo Studio  
 Redlake Corp.  
 Research Technology International  
 Ritz A-V Cine Sound  
 Rosco Laboratories, Inc.  
 RTS Systems, Inc.  
 Ryder Sound Services, Inc.  
 Sachtler Corp. of America  
 Howard Schwartz Recording Inc.  
 Schwem Technology  
 Shoreline, Professional Video Systems  
 Showscan Film Corp.  
 Sigma Electronics Inc.  
 Sigma Film Equipment Ltd.  
 Skotel Corp.  
 Smart Theatre Systems  
 Solid State Logic Inc.  
 Sony Communications Products Co.  
 Sony of Canada, Ltd.  
 Spectra Systems, Inc.  
 Steadl-Film Corp.  
 Steenbeck, Inc.

Strand Lighting  
 Studer Revox America, Inc.  
 Studio S.O.N. b.v.  
 Sunburst Lighting Inc.  
 TASCAM — Prof. Div. of TEAC Corp.  
 Teccon Enterprises Ltd.  
 Technical Film Systems Inc.  
 Technicolor, Inc.  
 Technisphere Corp.  
 Tektronix, Inc.  
 Teledyne Camera Systems  
 Telemetrics Inc.  
 Tentel Corp.  
 Theatre Equipment Assn.  
 Thomson Video Equipment  
 Tiffen Manufacturing Corp.  
 Time Logic Systems  
 Tintoretto, Inc.  
 Todd-AO/Glen Glenn Studios  
 Toel Chemical Industry Co., Ltd.  
 TSM (Total Spectrum Manufacturing, Inc.)  
 Truevision, Inc.  
 TVC Laboratories, Inc.  
 Tyler Camera Systems  
 Ultimatte Corp.  
 Unilux, Inc.  
 Union Connector Co., Inc.  
 United Media, Inc.  
 Utah Scientific, Inc.  
 VEAM, div. of Litton Systems, Inc.  
 Video Cable Comunicacion S.A.  
 Video Financial  
 Video Post Production Centre b.v.  
 Videotek, Inc.  
 Vinten Equipment Inc.  
 Vistek Electronics Ltd.  
 WaveFrame Corp.  
 Wide Range Electronics Corp.  
 WIKO Ltd.  
 YCM Laboratories  
 Yokohama Cinema Laboratories, Inc.

## WHY BECOME A SUSTAINING MEMBER

The SMPTE is a nonprofit organization that depends, in large measure, on the generous support of its Sustaining Members to conduct its many activities that benefit the motion-picture and television industries.

Throughout the year, the Society sponsors miniconferences, seminars, and hands-on workshops. These serve to augment the monthly section meetings as a means of providing the latest technical information to the people in our industry.

The Television Conference, which started modestly, has grown in status and prestige. It has become the premier forum for the introduction of new television technologies such as HDTV and digital television recording. The national conference is the largest annual gathering in the television and motion-picture industries devoted to the presentation of technical papers and the interchange of ideas.

One of the most important activities in which the Society engages is in the aiding of establishing standards. Most notable recently was the establishment of the "C" format for 1-in. television recording and the Type D-1 Digital Video Recording standard. Current efforts concern production standards for HDTV

The Society invites applications for Sustaining Membership from other interested companies • Information may be obtained from Charles H. Jablonski, Chairman, Sustaining Membership Committee, NBC, 30 Rockefeller Plaza, New York, NY 10112, or from Society Headquarters. • Addresses and descriptions of Sustaining Members appear in the *Directory for Members*, published in April 1989.

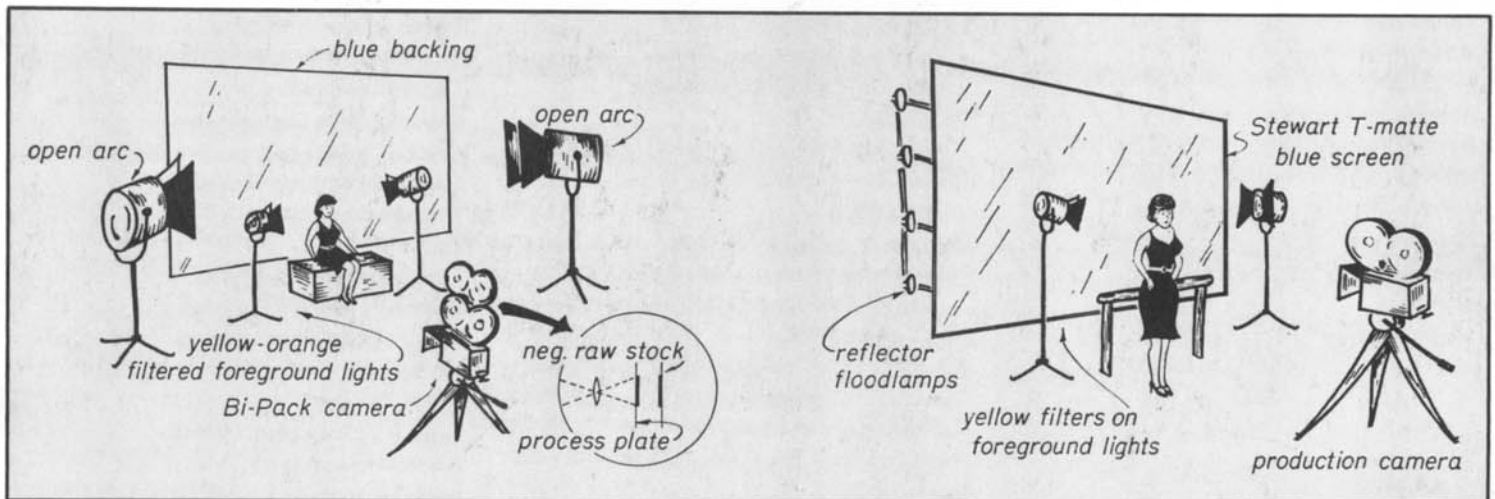
and investigation into the feasibility of 30 frames/sec as a new film production standard.

These activities have direct bearing on your organization's future, and members of your staff may already be involved in these engineering projects as individuals. Your support, at the corporate level, will help insure that these vital activities can continue.

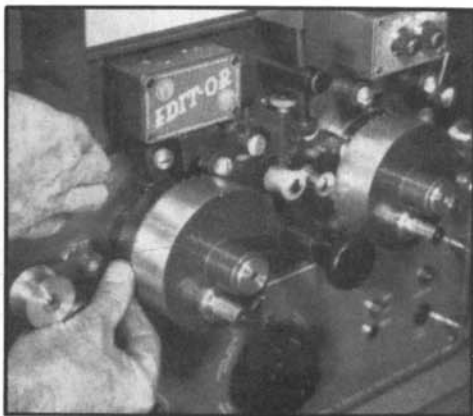
In addition, here are some specific benefits of SMPTE Sustaining Membership:

- Listing of your company within the monthly *SMPTE Journal*.
- A complete description of your company and its services in the SMPTE annual *Directory for Members*.
- A subscription to the *SMPTE Journal* and the Society's monthly newsletter.
- A wood-mounted, metallic plaque.
- A press release announcing your company's joining the SMPTE.
- A discount for exhibiting at the SMPTE Technical Conferences.
- The distinction of being among more than 275 companies and organizations supporting the aims and activities of the SMPTE.

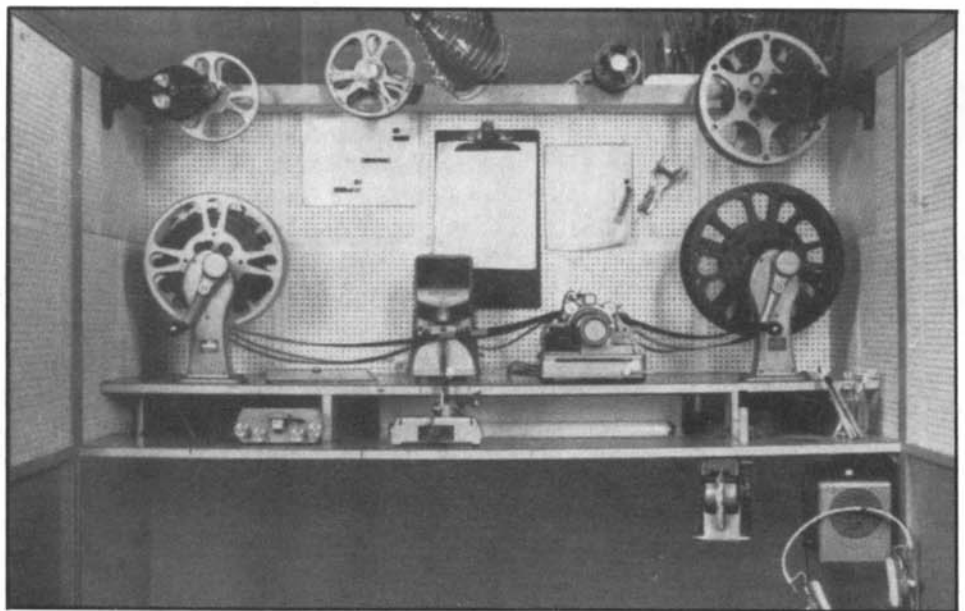
# SMPTE Historical Reflections



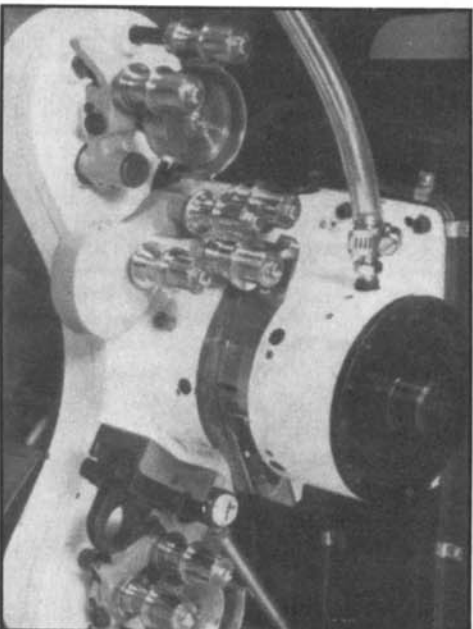
(Left) Arrangement for the early system: (Right) The present system with the blue screen • *Black-and-White Applications of the Blue-Screen Technique* • J. Westheimer • *JSMPT*, November 1964.



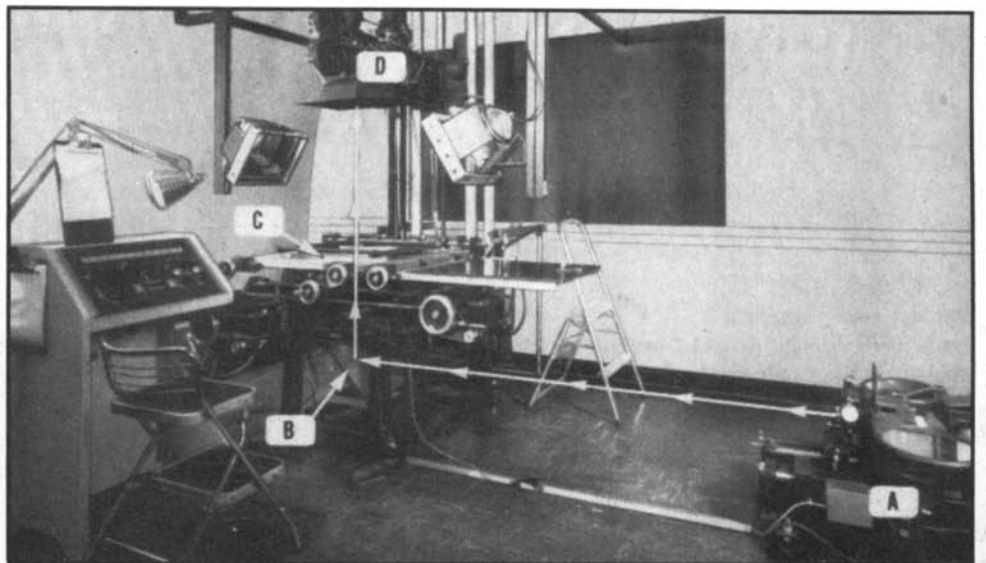
Sprung tension rollers used for film retention. Short lengths of film run into a bin • *Some Aspects in the Design of a 16mm Editing Machine* • J. J. Rigby • *JSMPT*, November 1964.



Editing bench components • *An Editing Bench for Industrial Film Production* • G. W. Tressel and S. J. Andrews, Jr. • *JSMPT*, November 1964.



Gate area of modified contact printer • *Economical 8mm Commercial Prints* • C. L. Graham and W. L. Stockdale • *JSMPT*, November 1964.



Aerial image components: (A) aerial image projector; (B) 45° angle front surface mirror; (C) platen field lens; (D) animation camera • *An Aerial-Image Unit for Industrial Animation* • G. W. Tressel and S. J. Andrews, Jr. • *JSMPT*, November 1964.