

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	Century Projector Corp.	Fumeo S.p.A.
Abekas Video Systems	Christle Electric Corp.	Adolph Gasser, Inc.
Academy of Motion Picture Arts & Sciences	Alfred Chrosziel Filmtechnik GmbH	General Electric Co.
ADC Telecommunications, Inc.	Chyron Corp.	General Electronics Systems Inc./ Diaquest
A. F. Associates, Inc.	Cinedco, Inc.	Geocam Corp.
Agfa-Gevaert, N.V.	Cinema Electronics	Alan Gordon Enterprises, Inc.
AirTrax	Cinema Products Corp.	Graham-Patten Systems, Inc.
Wilhelm Albrecht GmbH Studlogerate	Cinematography Electronics, Inc.	Grass Valley Group, Inc.
The Allen Products Co.	CineMills Corp.	Gray Engineering Labs., Inc.
Allied Film & Video	Cipher Digital, Inc.	R/Greenberg Associates, Inc.
Alpha Video & Electronics Co.	CMX Corp.	GTE Products Corp.
Alta Group, Inc.	Coherent Communications, Inc.	Guffanti Film Labs., Inc.
Altec Lansing Corp.	Color Magic Filters, Inc.	Harris Video Systems
A.M.E., Inc.	Colorfilm Pty. Ltd.	Harrison Systems, Inc.
Amber Technology Pty. Ltd.	Comprehensive Video Supply Corp.	HEDCO, substd. of Leitch Video Ltd.
American Society of Cinematographers	Computer Prompting Corp.	Hitachi Denshi America, Ltd.
American Studio Equipment	Condor Broadcast Video Center	H.M.I. Lighting/Mini Spec
Amperex Electronic Co.	Conrac Display Products Group	Hollywood Film Co.
Ampex Corp.	Consolidated Film Industries (CFI)	Houston Fearless 76, Inc.
Amtel Systems, Inc.	Corporate Communications Consultants, Inc.	Hughes Communications, Inc.
Howard A. Anderson Co.	Cox Enterprises, Inc.	Ikegami Electronics (U.S.A.), Inc.
Angenieux Corp. of America	Cubicomp Corp.	Image Devices Inc.
Anton/Bauer, Inc.	Deluxe Laboratories, Inc.	Image Transform, Inc.
Aphex Systems, Ltd.	DeSistl Lighting/Desmar Corp.	Image Video Ltd.
Arriflex Corp.	Digital Equipment Corp.	Imagica Corp.
Kinotone, Inc.	Digital F/X, Inc.	Innovative Television Equip. dba ITE
Asaca/Shibasoku Corp. of America	Digital Processing Systems Inc.	International Cinema Equip. Co., Inc.
The Association of Cinema and Video Laboratories, Inc.	Digital Video Systems Corp.	Intertec Publishing Corp.
Atlab Australia	The Walt Disney Co.	Irene Film Laboratories (Pty) Ltd.
Audio Kinetics, Ltd.	DI-Tech Inc.	JCA Engineers
Audltronics, Inc.	Dolby Laboratories, Inc.	J & R Film Co., Inc.
Avitel Electronics Ltd.	DSC (Digital Services Corp.)	JVC Professional Products Co.
B & B Systems, Inc.	Du Art Film Laboratories, Inc.	KEM Elektronik Mechanik GmbH
Ballantyne of Omaha	Du Art Video	Laumic Co., Inc.
Band Pro Film/Video, Inc.	Dubner Computer Systems, Inc.	LaVezzi Precision, Inc.
BARCO-Industries N.V.	Dynair Electronics, Inc.	LEE Colortran, Inc.
BAYRAK Radio & TV	Dynamic Technology Ltd.	Leitch Video of America, Inc.
BHP, Inc.	East Coast Video Systems	Lenco, Inc., Electronics Div.
Birns & Sawyer, Inc.	Eastman Kodak Co.	Lexicon, Inc.
Bose Corp.	ECHOLab, Inc.	Lider Cine Laboratorios S.A.
Branch and Appleby Ltd.	Editel	Lightmaker, div. of Camera Platforms Int'l., Inc.
Bremson Data Systems, Inc.	EECO/Convergence Video Products	LMC Peterson, Inc.
Broadcast Video Rentals, Ltd.	Elki International, Inc.	Lowel-Light Mfg., Inc.
BTS, Inc.	Evertz Microsystems Ltd.	LTM Corp. of America
The Burbank Studios	Faroudja Laboratories	Magna-Tech Electronic Co., Inc.
The Camera Mart, Inc.	FERCO, Inc.	Magnetic Media Div./3M
Camera Service Center, Inc.	FGV Panther Corp. of America	Magni Systems, Inc.
Canon U.S.A., Inc.	Filmiline Technologies	Matthews Studio Equipment, Inc.
Capital Cities/ABC, Inc.	Film Processing Corp.	Maxell Corp. of America
Dwight Cavendish Co.	FOR-A Corp. of America	Merlin Engineering Works
CBS, Inc.	Fostex Corp. of America	Metrocolor Laboratories, Inc.
CEI Technology	Foto-Kem Industries, Inc.	Micron Audio Products, Ltd.
Centro Corp.	Frezzolini Electronics Inc.	Microtime, Inc.
Century Precision Cine/Optics	Fujinon Inc.	Microwave Radio Corp.
	Fuji Photo Film U.S.A., Inc.	Midwest Communications Corp.

Miller Fluid Heads (USA) Inc.
 Mitchell Camera Corp.
 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.
 Boyce Nemece Designs
 Neumade Products Corp.
 Rupert Neve Inc.
 New England Digital Corp.
 NHK Technical Services Co., Ltd.
 Nikon Inc.
 Norton Associates, Inc.
 Novo Communications, Inc.
 Nurad Inc.
 O'Connor Engineering Labs
 Odetics, Inc.
 Oki Electric Industry Co., Ltd.
 Optical Disc Corp.
 Orban Associates, Inc.
 OSRAM Corp.
 Otari Corp.
 Pacific Radio Electronics
 Pacific Title & Art Studio
 PALTEX

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.
 Phillips 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, Inc.
 Rank Film Laboratories 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.

Steady-Film Corp.
 Steenbeck, Inc.
 Strand Lighting
 Studer Revox America
 Studio S.O.N. B.V.
 Sunburst Lighting Inc.
 TASCAM — Prof. Div. of TEAC Corp.
 Teccon Enterprises Ltd.
 Technical Film Systems Inc.
 Technicolor, Inc.
 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
 Toei Chemical Industry Co., Ltd.
 Total Spectrum Manufacturing, 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 Finacial
 Video Post Production Centre B.V.
 Videotek, Inc.
 Vinten Equipment Inc.
 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

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

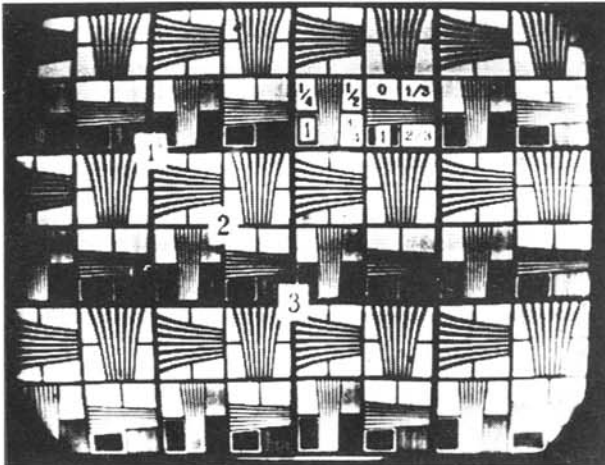
These activities have direct bearing on your organization's future, and members of your staff may already be involved in these engineering projects as individuals. Your support, at the corporate level, will help insure that these vital activities can continue.

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

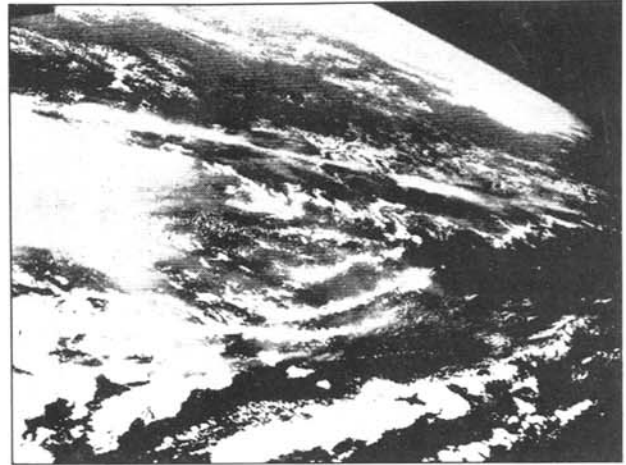
- Listing of your company within the monthly *SMPTE Journal*.
- A complete description of your company and its services in the SMPTE annual *Directory for Members*.
- A subscription to the *SMPTE Journal* and the Society's monthly newsletter.
- A wood-mounted, metallic plaque.
- A press release announcing 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.

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 1988.

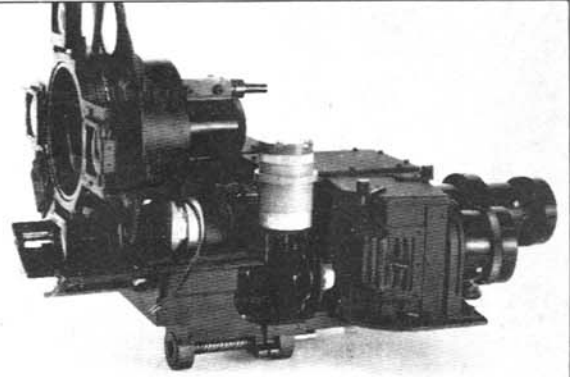
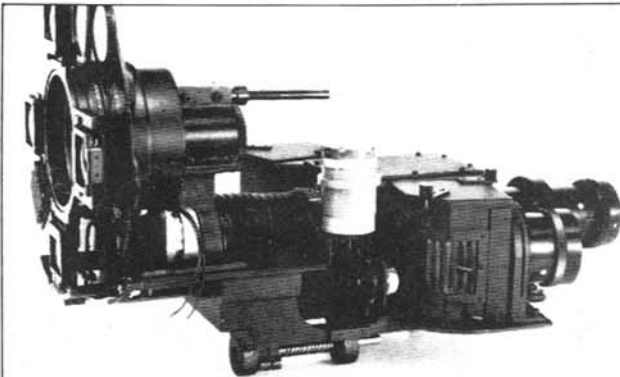
SMPTE Historical Reflections



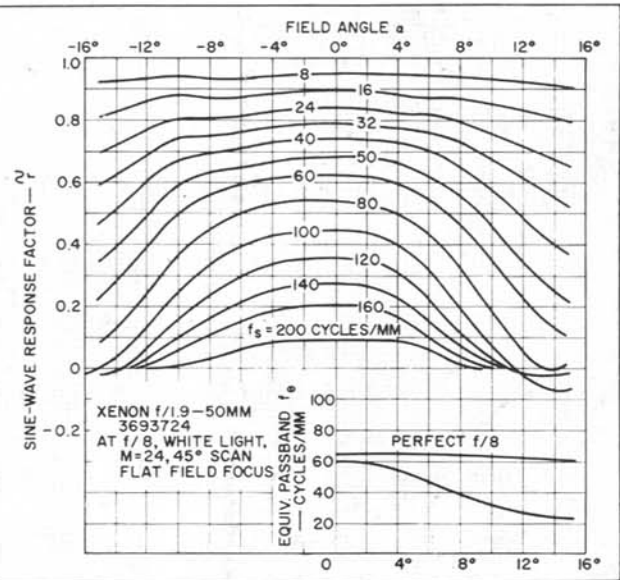
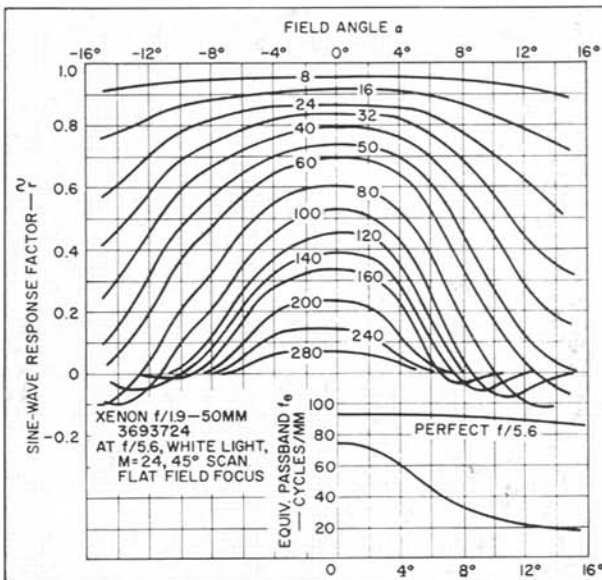
Television image obtained from a test-chart on 35-mm film • *Some Television Problems from the Motion Picture Standpoint* • G. L. Beers, E. W. Engstrom, and I. G. Maloff • *JSMPE*, February 1939.



Original cloud photograph taken from high-altitude rocket • *Automatic Picture Transmission TV Camera System for Meteorological Satellites* • R. A. Stampfl and W. G. Stroud • *J SMPTE*, February 1964.



(Left) Optical orbiting unit between filters and front relay lens systems, infinity position; (Right) Optical assembly slides back and forth on helicoid screw on underside of optical system, in closed position • *A New Optical System and Camera for Color Television* • H. Nomura • *J SMPTE*, February 1964.



Variation of the sine-wave response factor of 50mm xenon in the image field at various spatial frequencies (f_s -lines/mm) and its equivalent passband f_e : a, (left), at f/5.6; and b, (right), at f/8 • *An Evaluation of Photographic Image Quality and Resolving Power* • O. H. Schade, Sr. • *J SMPTE*, February 1964.