

"Development of a Low-Cost Electronic Subtitling System"

"A Method of Automatically Programmed Colour Correction"

"Matrix Stereophonic Sound Amplification Systems for Films"

"Problems of Making Holographic Motion Pictures"

"The Unification of Production Technology of Stereo Films Made in the Stereo-70 System"

"A Computer-Based Densitometer System."

In my talk, "The SMPTE — The First Seventy Years," I presented an overview of the Society's history, its recent accomplishments and some of the goals of our future. Along with the talk, I presented several slides showing SMPTE growth, standards accomplishments, publications, test materials, and the general organization of the Society.

In addition to the technical program, there were several well-organized social events sponsored by Ko-

dak, Agfa-Gevaert, Orwo Veb Fotochemisches Kombinat Wolfen, Chemie-Export-Import, GDR, Fuji Photo Film Co., Studiotechnik GmbH, W. Steenbeck GmbH, Wilhelm Albrecht GmbH, and Cine TV Klaus Weinrich GmbH.

While in Budapest, I had the opportunity to visit the Magyar Film Laboratories. This is the only full-service film-processing operation in Hungary where an average of 20 film features per year are produced for theatrical release, plus an additional 15 features for television. It is a state-owned company which employs a staff of 350 and processes annually approximately 70 million ft of film. Its managing director is Geza Dobranyi. Their processing equipment primarily consists of rebuilt Debie apparatus, and they also have about 12 Bell & Howell printers. It was interesting to note that their processing equipment was all together in one large room.

Another interesting feature of the

UNIATEC Congress is the technical film competition. Each member country is allowed to submit up to three films, with each country also having one representative jury member. However, jury members cannot vote on films from their own countries. As the jury member from the U.S., I submitted Steven Spielberg's *Back to the Future*, from Universal Pictures, for its technical achievement in special effects. This film was awarded the Prix d'Excellence. Another North American film, *Tony de Peltrie*, produced by the National Film Board of Canada, also won this award.

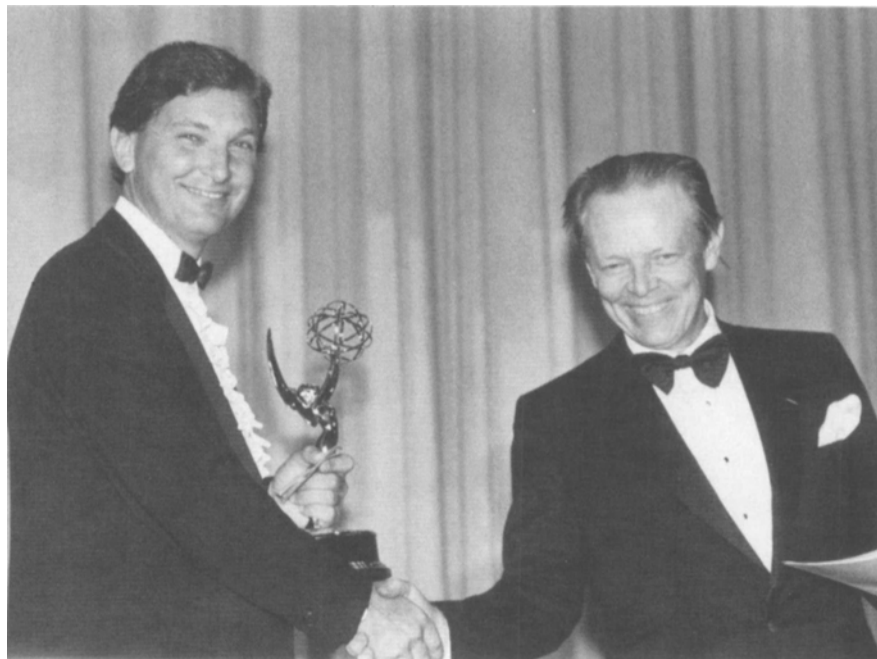
UNIATEC provides a most valuable (non-political) link with the Eastern bloc countries in addition to an opportunity for the international exchange of technical information between the East and the West. The SMPTE has participated in UNIATEC for several years and should continue to give its full support to their activities.

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## National Academy of Television Arts and Sciences Presents Sixteen Emmys for Engineering Excellence

The National Academy of Television Arts and Sciences (NATAS) presented a total of 16 Engineering Emmy Awards to 12 manufacturing and service organizations at the ninth annual NATAS Engineering and Scientific Awards ceremony. The well-attended cocktail party and black tie banquet was held September 10, 1986, in the Imperial Ballroom of New York City's Sheraton Centre Hotel. Former SMPTE Governor Joseph Roizen, Telegen, opened the ceremony.

Eight of the 12 companies honored for distinguished achievement in the science of television engineering are Sustaining Members of the SMPTE. Ampex Corp., Sony Corp., Quantel Corp., and RCA Corp. each won two Emmys. Abekas Video Systems, Inc.; JVC Co. of America; Matsushita Electric Corp. of America (Panasonic); and NBC, Inc., were the other SMPTE Sustaining Members to receive NATAS honors.

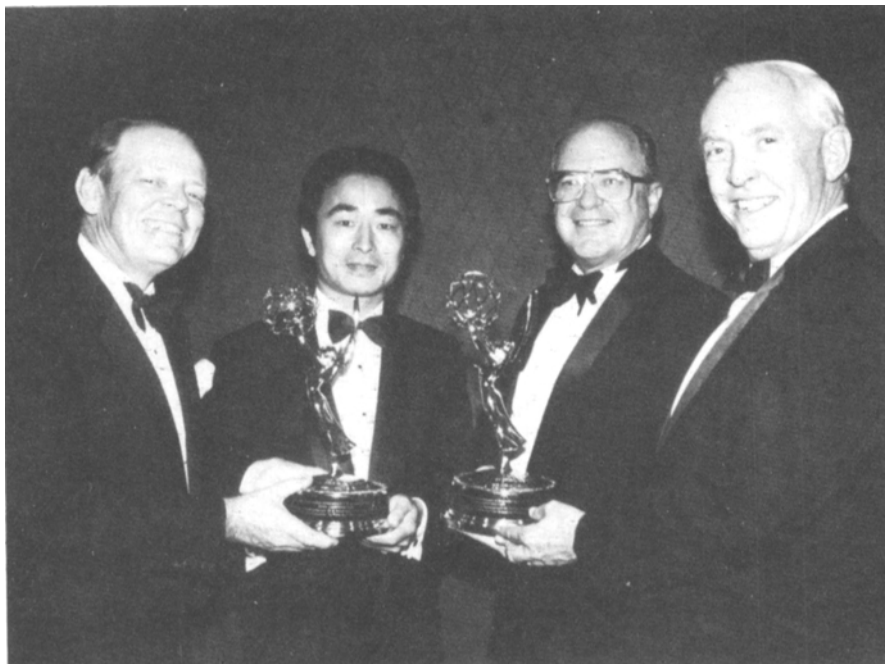


The Academy's Emmy to Ampex Corp. for its development of the VPR-3 broadcast VTR is accepted by Mark L. Sanders (left), the company's vice-president of marketing and new technology. At right is John Cannon, president of NATAS.

One of Ampex's two awards was for its development of the VPR-3 broadcast VTR. The microprocessor-controlled VPR-3 uses 1000 integrated circuit chips. The Redwood City, Calif.-based company was awarded a second Emmy in recognition of its Zeus™ digital picture processor/time-base corrector. The system, first introduced at last year's convention of the National Association of Broadcasters, performs a full set of image corrections and some manipulation in a single, multi-function digital box.

Mark L. Sanders, Ampex's vice-president of marketing and new technology, accepted the Emmy for the VPR-3. Accepting the award for the Zeus™ video processor was Donald F. Bogue, vice-president and general manager of the company's Audio-Video Systems Division.

The Academy presented an award to Sony Corp. in recognition of its component Betacam® format recording system. Sony's Betacam component recording format utilizes a process called Compressed Time Division Multiplex, which achieves high picture performance using 1/2-in. Betacam videocassettes. Sony's second Emmy was for a consumer product, a VCR that makes possible time shift recording and viewing. On hand to receive Sony's Emmys were William Connolly, president, Sony Communications Products Co.; Neil Van-



(L-R) John Cannon, president of the National Academy of Television Arts and Sciences, presents Sony Corp.'s two Emmy Awards to Osamu Naka, William Connolly, and Neil Vander Dussen.

der Dussen, president, Sony Corp. of America; and Osamu Naka, president, Sony Video Production Division.

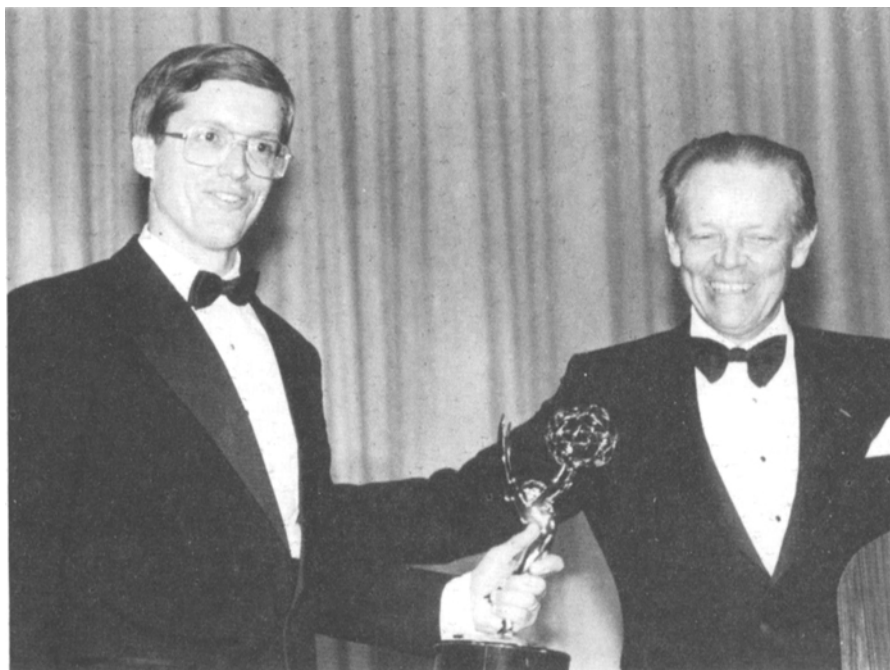
Quantel Corp., Palo Alto, Calif., also won a pair of Emmys, one for Harry, the digital recorder and editing system that allows multiple generations of layering and matting without leaving the digital domain. In

addition, the Quantel Paintbox was honored.

NATAS accorded recognition to both RCA Corp. and NBC, Inc., for developing and implementing multi-channel stereo sound for broadcast television. RCA was the recipient of a second Emmy for its pioneering effort in the development of component video recording technology for broadcast television.

The Academy recognized the importance of the home VCR with time shift capability by giving one Emmy to Matsushita (Panasonic) Corp. and another to JVC Corp., in addition to the award presented to Sony. The award to Abekas Video Systems was for the engineering development of the Abekas A62 digital videodisc recorder.

Among the other Emmys presented by the Academy was an award to the Video Products Group of M/A-Com Inc., San Diego, Calif., in recognition of its VideoCipher® satellite encryption and scrambling technology. The Electronics Industries Association received an Emmy for administering and documenting the work that led to the voluntary technical standard for a multi-channel television sound system. Zenith Electronics Corp. and dbx, Inc., were honored for the research, development, and implementation of the multi-channel stereo sound system which uses that standard.



Donald F. Bogue (left), vice-president and general manager of Ampex's Audio-Video Systems Division, accepts the Emmy for the Zeus™ video processor from NATAS president John Cannon.