

# The 16th UNIATEC Congress, Budapest, Hungary

September 15–19, 1986

By Harold J. Eady, SMPTE President

The 16th UNIATEC Congress was held in Budapest, Hungary, September 15–19, 1986. The theme of this year's Congress was "Present State and Tendencies of Motion-Picture, Sound, Television, and Video Techniques for the Future."

UNIATEC is the International Union of Motion Picture Technical Associations, with membership drawn from technical societies around the world. The Congress meets every two years, its previous meeting having been held in Paris, France, in 1984. Meetings are hosted alternately by Eastern bloc and Western countries.

The SMPTE is the official member organization in UNIATEC representing the U.S. The Society's representatives at UNIATEC are the president and the chairman of the International Relations Committee. Attending this Congress with me was Stephen Kerman, Tektronix, who is presently the chairman of the International Relations Committee. Also attending the congress was SMPTE International Governor Bengt Orhall, AB Film-Teknik, representing Sweden. The president of UNIATEC, Claude Leon, was in charge of the meeting.

Countries represented at the 1986



*SMPTE President Eady addresses the 16th Congress.*

UNIATEC Congress included Belgium, Canada, People's Republic of China, Czechoslovakia, East Germany, France, Great Britain, Greece, Italy, the Soviet Union, the U.S., West Germany, Yugoslavia, and of course, the host country, Hungary.

Technical papers, given by representatives of many countries, were simultaneously translated into German, English, Hungarian, French,

and Russian. The following is a list of the papers presented at the 16th UNIATEC Congress:

"Experiments of Motion-Picture Production by Electronic Means"

"Optimizing Sound Quality in Playing 35mm Monophonic Films with Optical Soundtracks"

"The Multi-track, High-Quality 'Superhorn' Sound System"

"Screen Image Analysis by Pixel Computer Techniques, Combined with Opportunities for Dramatic Improvement of Images and Predicting Correct Viewing Locations"

"Ideal Viewing Distance and Actual Dimensions in Comparison of Cinematographic and Television Image"

"On Some New Models of Motion-Picture Cameras Manufactured in China"

"Development of Lighting Equipment Based on Direct (Projector) and Indirect (Reflector) Principles"

"The SMPTE — The First Seventy Years"

"Audiovisual Media: Their Place in Art and Culture and the Contribution of Czechoslovakia to Creation of this Communication System"

"Multi-track Mixing Method"

"Technical Control of Picture and Sound in Video Projection and Video Transmission Rooms: A Comparative



*The opening of the 16th UNIATEC Congress.*



*The Magyar Film Laboratories, Budapest, Hungary.*



*Marcel Carriere, NFB of Canada, whose film, Tony de Peltele, was awarded the Prix d'Excellence at the UNIA TEC film competition.*



*(L-R): Dr. Laszlo Gloetzer, arrangements chairman for the 16th Congress; Eddy Zwaneveld, National Film Board of Canada; SMPTA President Harold J. Eady; and chairman of International Relations Committee Stephen D. Kerman.*

**Analysis vis-a-vis Conventional Motion Pictures"**

"The Transfer of High-Definition TV Recording to Film"

"High-Sharpness Special Effects Shots Made with Multi-phase Copying in the SECAM System"

"The Technology of Video Dubbing"

"High-Definition Television Chain"

"Some Aspects of Mechanical Solidity of Perforated Magnetic Tapes"

"Multi-track Sound in Television"

"The Mark IV Computerized Subtitling Processor"

"An Inexpensive Method for Preservation and Long-Term Storage of Colour Films"

"3-perf: A Format for the Future"

"The Use of Devices Independent

**of Time Code in Video Sound Follow-up Work"**

"Some Practical Results in Restoration of Colour of Faded Negatives"

"International Specifications for the Technical Demands to be Satisfied by Film Copies Involved in Exchange Programmes"

"Digital Sound Processing Illustrated in the Case of Digital Mixing Equipment of the Company NEVE"

"New Dubbing Studio at Malfailm Studios"

"Recovering Silver from Photographic Solutions"

"Noise in Film-to-Video Transfers"

"New Eastman Color Negative Film"

"Regulation of the Parallel Operation of Synchronous Motor Magnetic

**Movie Cameras"**

"New Eastman Color Intermediate Film"

"Electronic Colour Correction at NDR"

"Investigation of Development Kinetics of Tabular Crystals"

"The New Hollywood Film Company Color Analyzer"

"Review on Equipments being at ORF"

"System of Shooting and Projecting Super-35 Motion-Picture Films"

"An Instrument for Measuring and Recording of Duration of Quick Phenomenons"

"Digital Sound for Theaters"

"Sound in the Thirties and Today Compared with Subjective Method"

"Film and Video Technique; New Paths for Productions in the 1990's"



*SMPTE International Governor Bengt O. Orhall delivering paper at the Congress.*



*Geza Dobranyi (center) was made an Honorary Member of UNIATEC. Seated are (L) Dr. Kopeczi Bela and UNIATEC president Claude Leon.*



*Harold J. Eady being interviewed for Hungarian television.*



*Ed Zwaneveld presenting paper.*



*The audience at the Congress was wholly absorbed in the proceedings, and many took advantage of the translation facilities provided.*



*UNIATEC president Claude Leon (2nd from right) delivering his opening remarks.*



*Claude Soule, Commission Superieure Techn., France, addressing the Congress.*



*Hans-Georg Pauli, German Democratic Republic, presents a paper.*



*Mario Calzini, Agfa-Gevaert/Gaumont, Italy, presenting a paper.*



*SMPTÉ President Harold J. Eady receives certificate following his speech.*



*Bernard Happe, former president, BKSTS, presenting paper at the meeting.*

"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.