

18th Annual SMPTE TV Conference Takes Shape Montreal, February 10-11, 1984



Tour by horse-drawn caleche of romantic Old Montreal.

Arrangements are nearing completion for the Society's 18th Annual TV Conference, to be held at the Queen Elizabeth Hotel, Montreal, February 10-11, 1984. The SMPTE TV Conference has become an international event of great importance. The 1984 Conference program promises to maintain this tradition of excellence.

The program is under the general supervision of SMPTE Editorial Vice-President Maurice L. French, Canadian Broadcasting Corp. All non-program activities are being directed by Conference Vice-President Charles A. Ahto, Tape-Film Industries.

The Technical Sessions: Image Quality — A Time for Decisions

Organized by Program Chairman Stanley F. Quinn, CBC Engineering Headquarters, the technical sessions have been grouped under this year's Conference theme, "Image Quality — A Time for Decisions." The two-day technical program will be divided into four half-day sessions on the following topics: Basic Concepts and Perspectives; New Recording Technologies; New Distribution Technologies; and New Display Technologies. All of

the papers will be presented for the first time at the Conference.

Advance Program

This program tentatively lists all the papers for the TV Conference as of October 20, 1983. Additional papers are being reviewed and may be included in the final program, which will be available at the Conference. Questions about the program, specific

papers, or sessions should be addressed to Program Chairman Stanley F. Quinn, Canadian Broadcasting Corp., Engineering Headquarters, Montreal, (514) 488-2551; or to Editorial/Program Coordinator Mary Connolly, SMPTE, 862 Scarsdale Ave., Scarsdale, NY 10583, (914) 472-6606. A more complete program, with updated paper titles, will be available in the January *SMPTE Journal*.

Chairmen for SMPTE 18th Annual TV Conference

Editorial Vice-President: Maurice L. French, CBC

Conference Vice-President: Charles A. Ahto, Tape-Film Industries

General Arrangements: Guy Gougeon, CBC Engineering Headquarters, and Leonard Green, National Film Board of Canada

Program: Stanley F. Quinn and Janet A. West, CBC/EHQ

Exhibits: Marcel Auclair and Christian Tremblay, CBC/EHQ

Registration and Finance: Grant Dearnaley, NFB, and Michel Lacaille, Kodak Canada, Inc.

Hotel Arrangements: Bruce Prentice, Bell Canada

Membership: Robert B. Desrosiers, Bellevue-Pathé Qué., and René Villeneuve, Sonolab

Publicity: Walter H. Winchell and Stephen Lyman, CBC/EHQ

Audio/Visual: Michel Hazel, National Film Board of Canada, and Jean-Pierre Lachapelle, CBC/Radio-Canada

Spouses Program: A. Dunstan Russell and Pierre P. Pelletier, Alex L. Clark Ltd.

Sponsorship: Michael Barlow, CBC/EHQ

Social Program: Pierre Ouimet and Yvon Jean, CBC/Radio-Canada

Friday, February 10

Basic Concepts and Perspectives

- Image Quality from a Non-Engineering Viewpoint — *Harry Mathias, Panavision*
Perceived Resolution of an Image with Particular Emphasis on Sharpness — *Curt Carlson, RCA*
Psycho-visual Characteristics — *William Schrieber, MIT*
A Producer's View of Quality — *Norman Campbell, Canadian Broadcasting Corp.*
Evaluation of Image Quality — *C. Daubney, IBA*
Why Better Pictures: Image Size and Dimensions (Viewing Geometry) — *John Lowry, Digital Video Systems*

New Recording Technologies

- VTRs: What Does the Broadcaster Need? — *K. Davies, M. Auclair, T. Cavanagh, Canadian Broadcasting Corp.*
Digital Video Recording — *Takeo Eguchi, Sony*
Analog Component Video Recording — *Bob Flory, RCA*
Technical Choices — *John Watney, Ampex*
Vertical Recording Techniques — *Dr. Michael P. Sharrock, 3M*
Consumer VTRs — *Matsushita Electric*
Erasable Optical Laser Disk — *Matsushita Electric*

Saturday, February 11

New Distribution Technologies

- Distribution Alternatives — *Alexander G. Day, Canadian Assn. of Broadcasters*

- North American DBS Parameters/System — *Jim Whitworth, Satellite Television Corp.*
Programmable Digital Video Coder — *Ulf Lumbrink, Bell Northern Research*
Fiber Optics HDTV Transmission Technologies — *Mr. Tsuboi, Yokosuka Electrical Communications Laboratory*
High Quality on Cable TV Including MDS — *Israel Switzer, Cablecasting Inc.*
Scrambling/Encryption — *Keith Lucas, Digital Video Sys.*
MAC — TV Signals in an Interference Environment — *G. Chouinard, Dept. of Communications*
European DBS (British/French/German) Overview — *Rudi Gressmann, EBU*

New Display Technologies

- Developments in VLSIs — *W. M. Webster, RCA*
DBS Home Terminals — *Dennis Fraser, NEC*
Signal Processing for Consumer Display: The Smart Receiver — *R. N. Jackson, Philips*
Display Devices — *Matsushita Electric*
3-Dimensional Filtering — *Prof. B. Wendland, Dortmund University*
Wide-Screen Approach — *Dr. Joe Nadan, Philips*
HDTV Fully Compatible with Existing Standards — *T. Fukinuki, Hitachi*

Following the last paper, the two-day sessions will be summarized, discussing methods to transform today's

present technology into that of the future.

Equipment Exhibit

The 1984 TV Conference will include a comprehensive equipment exhibit in conjunction with the technical papers program. Since the equipment directly relates to the technical papers, this will afford participants an opportunity to examine in depth the new systems and technologies covered.

Included will be equipment for production video sources, video processing, video distribution and switching, recording, editing, picture display, multiplex analog, and television testing. The latest types of cameras, digital special effects equipment, production switchers, recorders, synchronizers, time-code generator/readers, monitor and projection units, display devices, decoders and other studio production equipment, and both analog and digital test generators and test equipment will be included.

A special technology demonstration center will be part of the 1984 Exhibit, giving the public a chance to see some of the equipment still being developed in laboratories around the world and not yet commercially available.

Approximately 65 exhibitors are planning to participate, and a large crowd is expected to view the latest state-of-the art equipment.

Social Events

A welcoming reception will be held at the Queen Elizabeth Hotel on Thursday evening, February 9. A Get-Together Luncheon will take place at noon on Friday, and is included in the Conference registration fee. As in the past, a coffee club will be



Technical session in progress.



Skyline of Montreal.

held throughout the Conference for the convenience of those attending.

Spouses Program

A full program of exciting and entertaining events is being planned for spouses of those attending the Conference. Activities at the Queen Elizabeth Hotel, a tour of the city combined with a luncheon in historic Old Montreal, and other social functions promise an active and informative time for all.

Hotel Reservations

The Conference and Exhibit is being held at the Queen Elizabeth Hotel, located in the heart of Montreal. Visitors will find it an ideal location for enjoying Montreal's many restaurants, art galleries, and tourist attractions. In addition to its extensive convention facilities, the hotel has 1200 deluxe guest rooms and suites, and twenty restaurants and lounges. Just below the hotel is the Canadian National Railways' Central Station, which is connected by underground passage to the spectacular shopping promenades in Place Ville-Marie and Place Bonaventure.

Rates for the hotel are in Canadian dollars, which are now approximately \$.76 U.S., thus providing the U.S.

Hotel Rates	
Single	Double
\$79	\$89

	Before Jan. 10		After Jan. 10	
	U.S.	Canadian	U.S.	Canadian
Member (including lunch)	\$125	\$155	\$145	\$180
Lunch alone	25	30	30	38
Nonmember (including lunch)	150	185	175	220
Spouses (without lunch)	35	42	40	50

members with an effective 25% discount. Rates are given above. *Do not mail hotel reservations to SMPTE.*

Reduced Rate Advance Registration

Members are urged to take advantage of the lower pre-registration rates for the Conference by sending their advance registration forms, with payment, no later than January 10, 1984, to: SMPTE Registration, 862 Scarsdale Avenue, Scarsdale, NY 10583.

This year's Conference registration is under the direction of Grant A. Dearnaley, National Film Board of Canada, Montreal (514) 333-3200. For other information regarding the

Conference, please contact the Publicity Chairman, Walter H. Winchell, CBC Engineering Headquarters, Montreal, (514) 488-2551.

Audiovisual Functions

Volunteers from the National Film Board of Canada will be on hand to assist with the various audiovisual functions during the Conference.

Pre-Conference Tutorial Meeting

A tutorial meeting has been arranged for February 9, 1984, by the Canadian Broadcasting Corp., Bell Northern Research, and INRS Telecommunications, University of Quebec. The tutorial, immediately preceding the Conference, is an independent event.

The meeting will cover many aspects of digital processing of video signals, concentrating on the latest techniques and technologies in the field. Further information may be obtained from Dr. Shaker Sabri, Bell Northern Research, (514) 761-5831.

Further details will be forthcoming in later issues of the *Journal*. The Society is looking forward to an exciting and successful television conference.

—Joyce R. Hurwitz



Visitors to exhibit area at recent conference.