

ADVANCE PROGRAM

This program contains all papers accepted for the Television Conference at the time of publication. Additional papers are being reviewed and will be included in the Final Program, available at the Conference. Questions about specific papers or sessions should be addressed to SMPTE Headquarters, Attn: **Lynne Robinson**, Conference Programs Secretary, 862 Scarsdale Ave., Scarsdale, NY 10583, (914) 472-6606; or to Program Chairman **Ray Brulé**, 3M Canada Ltd., (519) 451-2500 ex. 2224. The final program with titles of papers, authors, and times of presentations will be available at the Conference.

FRIDAY, 1 February

THE ALL DIGITAL TV PLANT

- Integrated Circuits for TV in the Digital Decade
William M. Webster, *RCA Laboratories, Princeton, N.J.*
- The All-Digital Television Studio
Frank Davidoff, *CBS Television Network, New York, N.Y.*
- Report of The Working Group on New Technology
Robert Hopkins, *RCA, Camden, N.J.*
- When are Digits Going to Meet the Action?
Richard Sanders, *British Broadcasting Corp., London, England*
- Digital Audio Formats for Recording and Digital Communication
Toshi Doi, *Sony Corp., Tokyo, Japan*
- The Future of the Digital TV Studio
Jürgen K. R. Heitmann, *Robert Bosch GmbH, Darmstadt, West Germany*
- An Overview of Progress Toward the Digital TV Plant
Anthony H. Lind, *RCA Corp., Camden, N.J.*

FRIDAY AFTERNOON

DIGITAL SIGNAL PROCESSING

- Digital Video Processing — 1980
John Lowry, *Digital Video Systems, Willowdale, Canada*
- Component Versus Composite Coding for Television Signal Processing
J. L. E. Baldwin, *Independent Broadcasting Authority, Winchester, England*
- Three-Dimensional Spectrum and Processing of Digital NTSC Colour Signals
E. Dubois, M. S. Sabri, and J.-Y. Ouellet, *INRS-Telecommunications & Bell-Northern Research, Nuns' Island, Que., Canada*
- Mixing and Effects in the Digital World
Dennis Fraser, *NEC America, Inc., Elk Grove Village, Ill.*
- Software-Based Digital Signal Processing
Richard Kupnicki, *Digital Video Systems, Willowdale, Canada*
- Digital Picture Creation
Richard G. Shoup, *Belmont, Calif.*
- A Multi-Function Digital Processor
Steve Kreinick, *Thomson-CSF Labs, Stamford, Conn.*

SATURDAY, 2 February

DIGITAL TRANSMISSION AND TESTING

- Fiber Optics, An Overview
Michael Ferguson, *Bell-Northern Research, Nuns' Island, Que., Canada*
- Network Distribution of Digital Television Signals
Denis J. Connor, *MacDonald, Dettwiler and Associates Ltd., Richmond, B.C., Canada*
- Testing in the Digital Video World
Kenneth Davies, *Canadian Broadcasting Corp., Montreal, Canada*
- An Overview of Broadcast Teletext for NTSC Television Standards
John Storey, H. Brown, C. O'Brien, and W. Sawchuk, *Canadian Dept. of Communications, Montreal, Que., Canada*
- Progress Report of the EIA Teletext Systems
Robert A. O'Connor, *CBS Television Network, New York, N.Y.*
- TV for the Deaf
John Ball, *Public Broadcasting Service, Washington, D.C.*
- The Users View of Teletext Systems
Walter Ciciora, *Zenith Radio Corp., Glenview, Ill.*

SATURDAY AFTERNOON

Digital Recording

- Overview of Digital Recording
Dominique Nasse, *C.C.E.T.T., Rennes, France*
- Digital Recording — Further Options
Charles E. Anderson, *Ampex Corp., Redwood City, Calif.*
- Digital Video Recording in the 625-Line System
Hubert Foerster and Josef Sochor, *Robert Bosch GmbH, Darmstadt, West Germany*
- Digital Video Recording — Another View
Yoshizumi Eto, S. Mita, Y. Hirano, and T. Kawamura, *Hitachi, Tokyo, Japan*
- Digital Video Recording: Some Experiments and Future Considerations
Masahiko Morizono, Hirofumi Yoshida, and Yoshitaka Hashimoto, *Sony Corp., Kanagawa-ken, Japan*
- Digital Audio Recording for Television: Some Choices
E. Stanley Busby, Jr., *Ampex Corp., Redwood City, Calif.*
- A Report on Digital Video Recording