

# Section Meetings

**Atlanta, November 12, 1988** — At the November section meeting, Paul Hansil, Abekas Video Systems, discussed D-1 and D-2 video standards as they relate to interconnecting production devices. He compared D-1 and D-2 with one another and with the NTSC analog standard. Hansil spoke about editing and graphic production technologies. Paul Scallioni, Sony Broadcast, explained the recording of digital videotape in D-1 and D-2 formats. Demonstration tapes were shown and equipment was available for inspection. Thirty-six people attended the meeting, which was held at WSOC-TV. — David E. Priester (Secretary/Treasurer), Georgia Power Co.

**Atlanta, December 5, 1988** — The state of the art in desktop-computer CAD systems was the topic of the December meeting. The combination holiday celebration and instructional meeting attracted 25 people. Richard Burroughs, LyMont Tandy, and Mike Induni, of Applied Software Technology, Inc., demonstrated the capabilities of current CAD systems and gave an exciting look at what the next two to ten years may hold for both CAD software and the electronics needed to run it. Several members of the audience expressed a need for this capability in their operations and were encouraged by what they heard. Demonstrations of how a CAD package can be customized to specific applications were especially interesting. — David E. Priester (Secretary/Treasurer), Georgia Power Co.

**Australia, October 25, 1988** — Thirty-one people attended the October section meeting, held at the Australian Film, Television and Radio School. Keith Smith and Stephen Murphy, of the A.F.T.R.S., described the philosophy of the school, its

objectives, and how those objectives had been fulfilled by the building of the new facilities. Attendees were shown the film and tape preview theaters and the sound-mixing theater. The studios were of particular interest because the lighting system had been designed at the school. — Dominic Case (Secretary/Treasurer), Colorfilm Pty Ltd.

**Australia, November 29, 1988** — Dominic Case opened the November meeting with a report on the Sound & Vision '88 conference. David Hudson, Amber Technology, then gave a presentation on the Lexicon Opus digital audio production system. The Opus is capable of sound-effects editing, dialog recording, editing and replacement, and music editing. It is controlled by a sophisticated, yet easy-to-use workstation.

Hudson's presentation was followed by a lively question-and-answer session during which the audience explored many of the potential applications of such a system. The meeting, attended by 23 people, was held in the Australian Broadcasting Corp.'s film training center. — Dominic Case (Secretary/Treasurer), Colorfilm Pty Ltd.

**Houston, December 14, 1988** — Approximately 35 people attended the Houston section's December meeting, held at Pearlman Studios. Before the meeting, C.R. Caillouet, Caillouet Technical Services, presented a 45-minute tutorial on the terminology, development, and basic technology of computer graphics. This was the first of many planned tutorials intended to give listeners a basic familiarity with the technology to be discussed during the main meeting. Marty Kirkland, Pearlman Studios, showed how computer graphics equipment is integrated

with digital equipment in Pearlman's production/post-production studio.

Andy Auten, Pearlman Studios, demonstrated the BTS Pixelerator graphics-rendering engine and the Sun Modeling System. Tours of Pearlman's facilities followed the presentation. — Robert Musburger (Secretary/Treasurer), University of Houston.

**New York, December 22, 1988** — A joint meeting between the New York section and the AES attracted 175 people. The television coverage of the 1988 Olympic Games in Seoul was discussed. Randall Hoffner, NBC, discussed the technology and production methods used in the transmission of NBC's first "all stereo" Olympics. He explained that managing up to four audio channels for the MII edit suite VTRs required additional audio routing levels in the central switching matrix.

Charles Jablonski, NBC, described the formidable logistics problems encountered in originating such a complex broadcast. Jablonski explained the numerous technical innovations used in this coverage, including the GVG Kadenza 4:2:2 video mixer in a digital production suite. Joe Roizen, Telegen, spoke about the extensive non-U.S. broadcast coverage, including Japanese HDTV origination. He reported that NBC and other broadcasters made heavy use of 1/2-in. component analog recording equipment. The meeting was held in NBC's historic Studio 8H, the site of many prestigious live presentations. — Jay H. Ballard (Manager), NBC.

**Rochester, December 13, 1988** — Approximately 40 people toured PCI's production and post-production facility at the December meeting of the Rochester section. Ted Hummel and Mike Fein, PCI, demonstrated art machines, D-2 video, and a new control room. After the formal program, a dinner was held at Blades Restaurant. — Paul M. Kato (Secretary/Treasurer), Eastman Kodak Co.



C.R. Caillouet, Caillouet Technical Services, conducts a tutorial on the basics of computer graphics before the Houston section meeting.



Andrew Auten, Pearlman Studios, demonstrates the BTS Pixelerator at the Houston section meeting in December.

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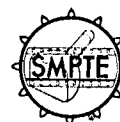
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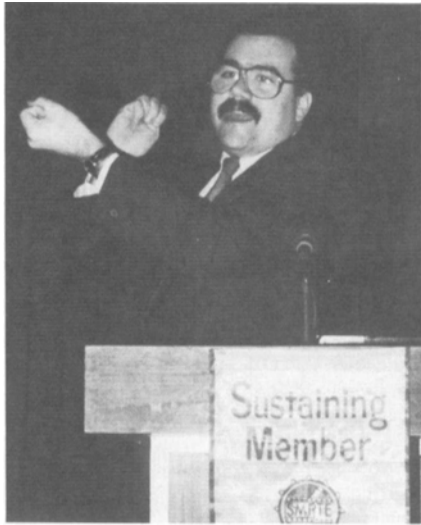
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*Charles Jablonski, NBC, discussing the Seoul Olympics at a joint meeting of the New York Section and the Audio Engineering Society.*

**Rocky Mountain, December 15, 1988 —**

The Rocky Mountain Section's holiday meeting was held at KTVD-TV, Denver's newest UHF television station. Bob Crawford, KTVD, described the technical aspects of putting the station on the air. Crawford spoke about the choices for transmitter sites, antenna and tower design, studio site, and studio equipment. He explained that the transmitter site was chosen for its location and the lack of radio-frequency interference from other transmitters. The topography and presence of a noise floor, established by the National Oceanic and Atmospheric Administration (NOAA), were also factors in the design of the antenna. To prevent interference with NOAA, a 20-ft grid dish was added to the tower. The dish, using a 180° out-of-phase signal, cancels the radio-frequency signal directed at NOAA.

Jack Moffat, KTVD, described KTVD-TV's position in the Denver television market. He emphasized the quality of the people working at the station and recognized their contribution to the station's success. The meeting was attended by 33 people and concluded with a tour of the studio. — Joan M. Aiello (Secretary/Treasurer), Eastman Kodak Co.

**San Francisco, December 14, 1988 —**

A tutorial on measuring and testing the performance and parameters of the component and composite digital video signal path was given at the December section meeting. John Nielson, Scott Davidson, and Rex Ferbrache of Tektronix, Inc., presented a paper called, "Composite and Component Digital — When to Tweak It and When to Send It Back." They discussed whether years of analog experience are of any help when digital equipment requires routine maintenance. The comments were illustrated with overheads. Test equipment was used to demonstrate the concepts. A lively panel discussion fol-



*Joe Roizen, Telegen, at a joint meeting of the New York Section and the Audio Engineering Society in December.*

lowed the presentation. — Vernon L. Kipping (Secretary/Treasurer), consultant.

**Toronto, December 6, 1988 —**

The December section meeting, held at VTR Productions/Eastern Sound, was attended by 118 people. Jim Phillip, Ampex Canada, Inc., discussed the design and implementation of a digital time delay system now being constructed for the Canadian Broadcasting Corp. He recounted the history and need for early delay systems in Canada and showed archival photographs. The method of operating the old systems with VR-1000-type quad recorders was described and its relative shortcomings noted. Phillip gave the reasons for updating the system and the rationale for using digital equipment. The new system has the Ampex Model VPR-300 D-2 digital recorder/reproducer as its core. The ancillary equipment, including a custom-built switcher and control system, was also described.

Ben Jamieson, Ampex, presented a paper called "Alex — A New Direction in Character Generators." He gave an overview of character generators and described the design and operation of the Alex system. He noted that the system's pipeline architecture was the key to its previously unattainable price/performance ratio. A demonstration tape illustrated the system's capabilities for individual character animation, transparency, overlap coloring, and perspectives. Another important feature is that all the movements shown were composed in real time.

Following a question-and-answer session, the group was taken on a tour of VTR Productions' expanded facilities. — Stephen Cook (Secretary/Treasurer), Audio Services Corp.

**Washington, D.C., December 6, 1988 —**

Sixty-six people attended a joint meeting of the Washington, D.C., Section and the Society for Imaging Science and Technology at Eastman Kodak Co. in Virginia. High-resolution computer images for large-screen viewing was the topic of the December meeting. Computer images generated by an Apple Macintosh SE computer and an IBM PC computer were projected onto a large screen via liquid crystal panels utilizing the Kodak Data-show System. Charles J. Hoff, Eastman Kodak Co., explained the capabilities of this product. James B. DeWitt, Eastman Kodak Co., spoke about Kodak's research and product development with display technologies. Bradley J. Gleeson, Eastman Kodak Co., demonstrated the Kodak LC500 video projector, the first full-color video projector to use liquid crystal technology. Gleeson also spoke on the current and future developments of products using liquid crystal technology. — John Wesley Nash (Secretary/Treasurer), Group Andre Perry, Ltd.



*Kent Gratteau, Section Manager, Bob Crawford, KTVD-TV, and Jim O'Brien, Section Manager, at the Rocky Mountain Section's December meeting.*