

## SECTION MEETINGS

**Hollywood, March 11** — The meeting was held in the Burbank Studios with an attendance of 298 members and guests. Robert Gottschalk and Alan Jensen, developers of the new video camera, the Pancam, discussed its novel design features. The camera's film-type viewfinder, lens system and size, together with its microprocessor controlled electronics package, elicited much discussion and interest from the audience. Members of the audience ranged from well-known video engineers to beginning students. Although not all agreed with the concept of the camera, they did all agree that it was a very interesting program and well worth braving the heavy rain that continued all evening. A pre-meeting dinner was held at the Smokehouse Restaurant. — Charles D. Kircher (Secretary-Treasurer), Foto-Kem Industries, 2800 West Olive Ave., Burbank, CA 91505.

**Ottawa, March 4** — Designing a television mobile is like "squeezing a quart of material into a pint container." Those were the words Austin Reeve, Vice-President of Engineering at Bushnell Communications, used in his paper on "Up-Dating the Studio and Mobile Technical Facilities at CJOH-TV." The meeting, held at CJOH-TV, was attended by 60 members and guests on a blizzard night in the first week of March.

Reeve told how the highway cruiser was purchased in 1967 to house four cameras, one quad VTR, a 12-input switcher, and two 12-input audio consoles. He explained



Outside view of mobile vehicle.



Camera control area.



Production area.



Rack and technical equipment area.

that a mobile designer must compromise the needs and desires of the Engineering, Sales, and Production departments.

In 1977, Reeve's department began planning for a major updating of the mobile to include six cameras, two of them handheld, two 1-in VTRs, and upgraded Ross 16 over 6 video switcher, two Studer Revx 24-input audio consoles, and a monitor wall consisting of 18 black-and-white and two color monitors. Since that time the mobile has been modified to handle eight cameras. An additional mobile has been purchased to house four Ampex 1-in VTRs. The mobile package is used by CJOH for the production of programs for the CTV Television Network. In addition, the system is rented by CBC, ABC, NBC, and CBS.

Reeve then described the changes made in the broadcasting plant, particularly the consolidation of CCUs, the replacement of the telecine chains, and the addition of a 30 by 60 routing switcher, soon to be expanded to 40 by 72.

Following a coffee break, John Galt, Design Coordinator at Bushnell Communications, presented a paper on "Application of Non-Incandescent Light Sources in Color Television Studios." He described the color temperature properties of HMI, CSI, and fluorescent light sources and how they relate to the response characteristics of the Plumbicon tube. He described how CJOH is using these light sources to provide an overall soft fill light matched to the color temperature properties of conventional tungsten-halogen light sources. The fluorescent fixtures provide 80 lumens per

watt contrasted with the 25 to 30 lm/W from the conventional light sources.

He concluded by describing how these fixtures met their needs for a soft light source while providing considerable saving in both power consumption and air conditioning requirements. — Ross Mutton (Chairman), P.O. Box 2427, Station "D," Ottawa, Ont., Canada K1P 5W5.

**San Francisco, March 17** — Heavy rains and lightning did not deter 150 members and guests from attending the March meeting. The lightning provided a particularly good prelude for this gathering at NASA — Ames Research Center as the subject was "The Arc Jet Facility."

Wendell Love and Warren Winovich, Ames research engineers, presented a detailed explanation of their work on Re-Entry Simulation to simulate planetary re-entry conditions for space vehicle testing.

High pressure gas flows combined with constricted arc discharges are used to simulate accurately the kinetic and thermal energies a craft will encounter on its 18,000+ miles per hour entry into a planet's atmosphere. The arcs used cover a range of up to 30 minutes at either 20 or 60 MW for Earth re-entry tests to 100 MW for up to 15 seconds in the Jupiter program. A 160 MW unit is under construction. Temperatures produced range from about 800 F to 2,500 F in Earth re-entry testing to 25,000 F for the Jupiter program.

Instrumentation film and videotape of tests on the space shuttle's thermal protection system were shown and a tour of the laboratory provided members with an opportunity to examine test chambers, instrumentation facilities, and test materials including tiles and other thermal protection items. Members of the Ames research team were on hand in the laboratory to answer questions, and discussions continued until after 10:30 p.m. — Glen Pensinger (Secretary-Treasurer), San Jose University, 958 Jeanne Ave., San Jose, CA 94303.

**Toronto, March 9** — The meeting was held at Arri/Nagra Inc. in Mississauga, Ont. The speakers were Steve Cook and Andrzej Markiewicz, both with Arri/Nagra. Steve Cook's presentation on "The Ergonomic Approach to Film, Editing, and Table Design" was illustrated by slides showing how all controls and all facilities are designed according to the findings of extensive studies of human physical reactions. Cook explained that serviceability was also a factor in the design.

Markiewicz presented a paper on "The New Capstan Audio Recorder." He explained in detail the design and operation of the new Nagra/Kudelski Open Reel Tape Recorder/Editor. Accurate editing is facilitated by the SMPTE/EBU Time Control Code.

The presentations were followed by a

4-minute film on the new Arri 10X lens. Following a coffee break a hands-on demonstration was conducted. — Fung Fai Lam (Secretary-Treasurer), Sony of Canada Ltd., 1325 Melton Dr., Mississauga, Ont., Canada L4Y 1L6.

**Detroit, March 16** — The meeting, held at the Maritz Video Production Studio, was attended by 45 members and guests. The speakers were Jerry Sundt and Mark Grady, both with Maritz Communications Video Center. Sundt's presentation was entitled "Producing for the Sony Optical Videodisc System." Grady's presentation was entitled "Microprocessor Programming for the Sony Optical Videodisc System." Placed beside the podium was a working model of the Sony system used in Ford and Lincoln Mercury dealerships around the country. During the summer of 1981 this system replaced the Sony 3/4-in U-matic system as the Ford in-dealership training and communications network.

For several years, Maritz (formerly Wilding) Communications had been originating most of their productions on video; however, with the move to videodisc with its still-frame capability, it was felt that originating on 16-mm film and "white flagging" for full-frame identification during telecine transfer would provide more pleasing videodiscs for their clients when automobile running shots are still-framed. Sundt discussed these considerations in detail. The basic quality and creative options inherent in the discs were praised; the turnaround times were discussed and, because they average about eight weeks, were less than praised.

Grady explored the production process from the time the "creative" videotape master is completed until the "disc" videotape master is turned over to Sony for quantity videodisc replication. Sony developed a simulator system which permits the authoring of digital dump micropro-



Mark Grady using the simulator developed by Sony.

cessor programs for videodisc and furnished it to Maritz. The system uses 3/4-in U-matic and vertical interval time code to develop and check the programs and then generates a punched tape which is sent to the Sony replication facility together with the 1-in type "C" master.

Hands-on demonstrations of the videodisc player and the simulator followed the formal presentations.—John P. Rusche (Secretary-Treasurer), Sandy Corp., 16025 Northland Dr., Southfield, MI 48075.

**Chicago, February 9** — Sixty people braved the incredibly cold weather to attend a meeting hosted by Ampex Corp., Arlington Heights, Ill. Tim Prouty of Dolby Laboratories spoke on the "Application of Audio Noise Reduction for Television and Motion Pictures." He discussed the Dolby A, Dolby B, and Dolby C formats and their appropriate applications. At 9 p.m. the meeting broke for a 20-minute coffee break hosted by Ampex, and when it resumed videotapes were run demonstrating the differences between Dolby and non-Dolby recording — Norman Thelen (Secretary-Treasurer), Encyclopedia Britannica Educational Corp., 8513 W. North Terrace, Niles, IL 60648.

**Philadelphia, January 12** — Approximately 60 people gathered in the WCAU-TV (CBS) studios for the first area demonstration of the Sony BVU 800 U-Matic Recorder-Playback-Editor. Dave Stuart, Sales Engineer for Sony Video Products, and Dick Wills, also of Sony, gave an overview of the machine, noting improvements over previous U-Matic models. Among these improvements is the ability to eliminate the Series 500 Editor and retain full editing capability. — Michael Muderick (Secretary-Treasurer), Penn Mutual Life Insurance Co., 101 Earlington Rd., Havertown, PA 19083.

**Philadelphia, February 9** — The meeting took place at Peirce-Phelps Video Systems and was attended by 55 people. "Concepts in Telecommunications" was the topic as Alan Zauzmer, President of Ztronic Enterprises, gave an overview of satellite teleconferencing. Afterwards, Don Leith of Peirce-Phelps gave a slide presentation of a teleconferencing facility his company built for Allstate Insurance, complete with earth stations at North-

brook, Ill., and Menlo Park, Calif., — Michael Muderick (Secretary-Treasurer), Penn Mutual Life Insurance Co., 101 Earlington Rd., Havertown, PA 19083.

**Philadelphia, March 9** — A near record turnout of 100 gathered in the RCA Corp. Bldg. 2 for the first demonstration of the new Hawkeye camera/recorder. The Hawkeye, the first broadcast camera from RCA not to use the "TK-" designation, combines a recorder using VHS videocassettes and a three-tube 1/2-in Saticon or Plumbicon camera. It incorporates digital memory in its automatic control system, while the recorder uses a new process called Chromatrack to record the I, Y, and Q separately. The presentation was given by R. J. Boyland, Manager, Product Management of the Field Camera Group, and C. R. Thompson, Project Manager for the Hawkeye Videotape Recorder. A demonstration of the equipment along with the companion studio recorder and editing controller followed the presentation. — Michael Muderick (Secretary-Treasurer), Penn Mutual Life Insurance Co., 101 Earlington Rd., Havertown, PA 19083.

**Rochester, February 10** — The meeting was held at Portable Channel, Rochester's nonprofit media center, with 31 members and guests in attendance. The evening opened with a tour of Portable Channel's production and post-production facilities for film, video, slides, and animation. The facility's director, Robert Shay, described the status of the independent producer and artist and showed excerpts from recently produced works at Portable Channel. Carl Bataglia presented his thoughts on independent animators and presented his latest work, *Boccioni's Bike*.

At this point we stopped for a chicken dinner and informal discussions. After dinner, Dan Reeves presented a powerful and moving interpretation of his experiences in Vietnam in a video piece entitled *Smothering Dreams*, post-produced at WNET's Artist TV Laboratory. — Robert Turner (Secretary-Treasurer), Turner Communications, 25 Ashland St., Rochester, NY 14620.

**Rocky Mountain, February 11** — The meeting was held at the Western Cine Motion Picture Laboratory with 65 members and guests in attendance. Bill Dinehart of Eastman Kodak demonstrated the properties of Kodak's new color negative film 7293/5293. Various 35-mm segments were shown comparing the new product (exposure index 250) with the currently used 7247/5247. After viewing these comparisons, a print of the film *Every Time the Lights Go Down* was shown. Afterwards, a tour of the Western Cine Lab was held which featured their new Pacer/Eastman Color Print II processing machine. — Arthur B. Rancis (Secretary-Treasurer), 3143 West 12th Ave. Ct., Broomfield, CO 80020.



Members of the audience paying close attention to Jerry Sundt as he explains the videodisc system



Mark Grady, Maritz computer programmer discusses programming for the videodisc system.