



Section Meetings

Chicago, 28 May — The meeting was held at the Western Union Satellite Receiving Station at Lake Geneva, Wis., with an attendance of 28 members and guests. Arley Uhrig, Station Manager, presented an interesting and informative program on the receiving and transmitting of television signals via satellite. He provided a short history of the development of the system and also provided an explanation of the equipment. The presentation was followed by a tour of the facilities. — H. L. Vincent (Secretary-Treasurer), Eastman Kodak Co., 1901 W. 22 St., Oak Brook, IL 60521.

Dallas/Fort Worth, 5 May — The meeting was held in the offices of Texas Instruments, Inc., with an attendance of 14. The small attendance was due to unusually severe weather. Heavy winds and rain, tornados and flash flooding prevented all but a brave few from attending, but those who did attend were present at an excellent program provided by Al Bond, Manager of Texas Instrument's Media Center, and John Stigler, Senior Technician. The program, entitled "Industry and the Communications Media," dealt with Texas Instruments' activities in that area.

Highlight of the program was a personally escorted tour through the Media and Learning Centers, the TV studios, the console control area, the taping and dubbing center and the editing area. Demonstrations of the Minicam and the convergence tape editing machine were conducted. Following the tour, the group gathered in the mini-auditorium to hear an outstanding paper describing the purpose and function of the Media Center, the world-wide productions (all in 3/4-in color) and the preparation and accomplishment of programs.

TI's Media Center is involved in a world-wide operation involving many ocean-going vessels and a number of interesting filmclips from programs produced by TI were screened using the Advent TV projection system. The program included also a tape clip of electron microscope analysis of computer chip circuits showing the electron flow through an operating computer chip. The tapes were used in national TV commercials for TI calculators.

The program concluded with the Advent screening of the 1975 Clio Awards. — Melvin E. Dunn (Secretary-Treasurer), American Schools of Cinema, home address: 2002 Peters Colony Rd., Carrollton, TX 75006.

Detroit, 22 Apr. — The meeting was held at the facilities of Hi-Lift Helicopter, Inc., Plymouth, Mich., with an attendance of 56 members and guests. Theme of the program was "The Helicopter as a Camera Platform and Helicopter Camera Mounts." Barney Stutesman, Hi-Lift President, spoke on "The Helicopter as a Camera Platform"; Robert Burrell, of Victor Duncan, Inc., spoke on "The Continental Camera Mount"; and Ted Horn of Chrysler Corp. presented a review of various camera stabilization systems.

Before the meeting began the members and

guests were given the opportunity of viewing the six Hi-Lift helicopters. Following Burrell's presentation on camera mounts, a camera mount was set up and demonstrated with a hands-on examination provided after the demonstration. Horn's presentation on stabilization mounts for helicopter use was illustrated by slides.

A 16mm film, featuring long-range and close-up shots taken from a helicopter, was shown. — Warren Happel (Secretary-Treasurer), Browne Associates, 25 West Long Lake Rd., Bloomfield Hills, MI 48013.

Florida/Caribbean, 28 Apr. — The meeting was held at the Holiday Inn in Miami with an attendance of 48 members and guests. A short social period was held prior to the scheduled dinner. There was a delay in serving dinner which resulted in the meeting starting late. To accommodate those who came for the meeting only, the film scheduled as the second part of the program was shown while the others finished dinner. Fortunately, the film and the dinner ended at the same time.

The speaker for the main program was Carl Gaiti of WNEW-TV in New York City, a Metromedia station. Gaiti spoke on "Lighting for Television" discussing lighting as it was in the early days and the changes that have been made over the years. He explained in detail the technical advances in television that made possible improvements in lighting. He explained also how the early lighting techniques were similar to those used in motion-picture production. The speaker's many humorous descriptions and comments added a great deal of interest to the program. A short but lively question-and-answer period followed the presentation.

The film by Eastman Kodak entitled *Film? Film!* which had been shown earlier was shown again for the benefit of those who had not seen it. — Frank J. Eberhardt (Secretary-Treasurer), Eastman Kodak Co.; home address: 8860 S.W. 150th St., Miami, FL 33176.

Hollywood, 20 Apr. — The meeting was held at the Roger Young Center with an attendance of 76 members and guests. A highlight of the meeting was the showing of early 16mm film provided through the courtesy of Blackhawk Films and Movietone News. The 16mm opening film, narrated by Lowell Thomas, was of considerable historic value. This was followed by another historic film, *1, 2, 3, 4, Testing*, showing some of the early (1924-1927) photographic sound developments. Narration was by Earl I. Sponable.

Fred Scobey of DeLuxe Laboratories presented a paper, "Silver Recovery From Photographic Wash Waters by Ion Exchange," which was illustrated by slides. — Warren Strang (Secretary-Treasurer), Hollywood Film Co., 956 Seward St., Hollywood, CA 90038.

Hollywood, 18 May — the meeting was held on Stage 54 of the ABC-Television Center. Subject of the meeting was HMI: A New Daylight Source for Motion Pictures and Television.

Richard Glickman, a consulting engineer, gave a brief review of the lighting field and the evolution of the HMI lighting source. He evaluated the various methods of reducing flicker problems.

Others on the program to demonstrate and describe HMI equipment were: Moe Tawil of Berkey Colortran; Larry E. Nelson of Larry E. Nelson Co.; Stan Miller of Rosco Laboratories; Robert Doherty of Cinemobile; Don Aron of Mole Richardson; and Michael J. McGovern of Macbeth Corp. — Warren Strang (Secretary-Treasurer), Hollywood Film Co., 956 Seward St., Hollywood, CA 90038.

Nashville, 22 Apr. — The meeting was held in the studios of WSM-TV with an attendance of 46 members and guests. The speaker was James Ebel of KOLN, Lincoln, Neb., who presented a paper on "Satellites and Broadcasting." He provided an overall survey of broadcasting satellites beginning with a brief history and continuing with descriptions of the various types of satellites presently in use. He used slides to show the transmitters and receivers on the satellite. Ebel also discussed and explained ground transmitting stations, intermediate relay stations (the satellites) and ground receiving stations.

Other topics touched on by the speaker included the use of broadcasting satellites by educational and public broadcasting systems and the possibility of direct-to-viewer satellite broadcasting. He noted that experiments leading to this end were already underway. Ebel also mentioned in some detail the problems of international control of broadcasting satellites. — S. Lee Whitehurst (Secretary-Treasurer), WSM, Inc., P.O. Box 100, Nashville, TN 37202.

New England, 21 Apr. — The meeting, held in the screening room of the MIT Film Center with an attendance of 45 members and guests, was jointly sponsored by the Boston Section of the Audio Engineering Society. The speaker was Ted Uzzle, Cinema Consultant, who spoke on "Sound Reproduction in the Motion-Picture Theater." Topics covered in his presentation included Psycho-Acoustic Stereo Imaging; Room Tuning; Room Frequency Response; Delay Characteristics; and Speaker Design and Placement. A number of different formulas for theater sound systems were discussed. A highlight of the lecture was the showing of a series of slides showing examples of many American, European and Soviet Union motion-picture reinforcement systems. For example, one theater utilized hundreds of old automobile hoods for sound baffles and reverberation. — John P. Olsen (Secretary-Treasurer), Foxboro Corp., Neponset Ave., Foxboro, MA 02035.

New York, 13 Apr. — The meeting was held at the United Engineering Center with an attendance of some 110 members and guests. The speakers were Michael Glyn of Gordon/Glyn Productions and Alan Rogers of National Video Center. The two gave a joint presentation demonstrating how modern tape editing, packaging and distribution techniques allow producers to increase the use of both 16mm and super-8 film productions. The third speaker was John J. Godfrey of the Television Laboratory at WNET/13, New York, who presented a paper on "Television — The Experiment Continues."

Glyn, a film producer for Gordon/Glyn Productions, showed a film he had produced for AT&T on the reconstruction of the New York Telephone switching center which had been completely gutted by fire. Glyn explained to the audience that it was possible to shoot 73,000 ft

of 16mm film on one subject and produce several films of different lengths for different applications from the 73,000 ft. He said that some of the film had been transferred to videotape and that two commercial spots had been produced by editing the tape.

Rogers conducted a demonstration showing the transfer of super-8 film to videotape and that it could be color-corrected.

Godfrey presented a paper and showed a videotape on some of the programs produced by the Television Laboratory which, since 1972, has been exploring the uncharted territories of television with artists, technicians and producers. The programs, broadcast by WNET/13 and other public TV stations, were produced on 1/2- and 3/4-in video recorders, transferred to 2-in quad via time base correctors and then edited on quad. — Richard S. Marcus (Reporter), Rombex Productions Corp., 245 W. 55 St., New York, NY 10019.

New York, 12 May — The meeting was held in Studio 45 of the CBS Broadcast Center with an attendance of 350 members and guests. Theme of the program was Electronic Newsgathering (ENG). The speakers were Joseph A. Flaherty of CBS-TV network who spoke on "The Growth of Electronic Newsgathering" and David K. MacDonald of Sony Corp. whose subject was "Electronic Newsgathering and Beyond."

Flaherty noted that there are, at present, some 600 ENG systems in use by more than 200 TV stations with the number of systems and stations increasing weekly. In comparing film and tape systems, he said that although the initial costs of tape systems are higher than film, the running costs are much lower due to less expensive

rawstock as well as to tape's reusability; also, there are no processing costs for ENG. The comparison was applicable to a typical newsroom operation.

MacDonald demonstrated the latest Sony products for ENG and also demonstrated Sony's new 1-in helical videotape recorder. — Richard S. Marcus (Reporter), Rombex Productions Corp., 245 W. 55 St., New York, NY 10019.

Ohio, 29 Apr. — The meeting was held at the WJW-TV Studios in Cleveland with an attendance of 60 members and guests. James Perkins, Chief Engineer of WJW-TV described the design and construction of the new WJW studio and facilities including the ENG Unit. Perkins explained the various considerations and problems involved in building a TV studio, among others the need for proper sound insulation especially when the studio is located in a noisy environment. Following a lively question-and-answer period which involved considerable discussion of the studios and WJW's experience with the ENG Unit, tours were conducted through the facility. — George F. Golden (Chairman), Film Lab Service, Inc., 4019 Prospect Ave., Cleveland, OH 44103.

Pacific Northwest, 26 Mar. — The meeting was held at the new CBC facilities in Vancouver, B.C., Canada, with an attendance of 59 members and guests. The meeting was special in that this was the first group to be taken on a formal tour of the new CBC facilities. The tour included the carpentry shop, paint shop, radio and television studios, control rooms, sound mixing rooms, the videotape recorder room, videotape editing rooms and the master control. Expla-

nations and demonstrations were provided by the CBC guides and special interest was shown in a demonstration of computerized videotape editing. Members of the group were all overwhelmed by the size of this huge plant. The CBC guides also gave a detailed explanation of the building's design. — C. Eugene Newcomer (Secretary-Treasurer), Pacific Northwest Bell, 1200 Third Ave., Seattle, WA 98101.

Philadelphia, 2 Mar. — The meeting was held at Bell of Pennsylvania TV Center with an attendance of 22 members and guests. Morris Hawk and Sterling MacKinnon, Jr., conducted a tour of the elaborate in-house production facilities which include a complete film and video studio with much related support equipment. The TV Center is responsible for production of materials for distribution throughout Bell of Pennsylvania and Diamond State Telephone in Delaware for company information and employee training purposes. Several samples of actual program material, both film and videotape were shown to illustrate the broadcast quality of the TV system. MacKinnon led a discussion on the ever-increasing demands of industrial in-house TV and film production for higher standards of quality, especially as those demands apply to Bell of Pennsylvania. — Jonathan W. Flint, 266 Minor St., Malvern, PA 19355.

Philadelphia, 6 Apr. — The meeting was held in the sound studios of Jack Sky Productions, Cherry Hill, N.J. The speakers were Richard B. Schreiber of Arriflex Co. of America whose presentation was entitled "New Developments in Camera and Lens Design for Location and



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Low Light Cinematography" and John M. Govsky (Jack Sky) whose presentation was entitled "Location Sound Recording."

Schreibman discussed the Arriflex 16SR camera and the Zeiss Super Speed lenses from the standpoint of developmental refinements in a camera system as a reflection of increased demands by filmmakers for equipment more flexible to handle difficult shooting conditions. He noted that increasing trends toward location cinematography has necessitated changes in motion-picture techniques; the Arri 16 SR, he said, embodies modern technological sophistication and reliability with simplicity of design and operation in an extremely mobile camera system.

The convenience of through-the-lens exposure control together with the accuracy of the sophisticated electronics of the camera provide a very flexible system when combined with the Zeiss Super Speed lenses, the speaker noted. The lenses, he said, are designed for maximum efficiency at the widest aperture using multi-coated aspheric elements with cross-coupled elements. Schreibman showed a test film to illustrate the effectiveness of the combined use of the Arri 16SR and the Zeiss Super Speed lenses in low-light cinematography.

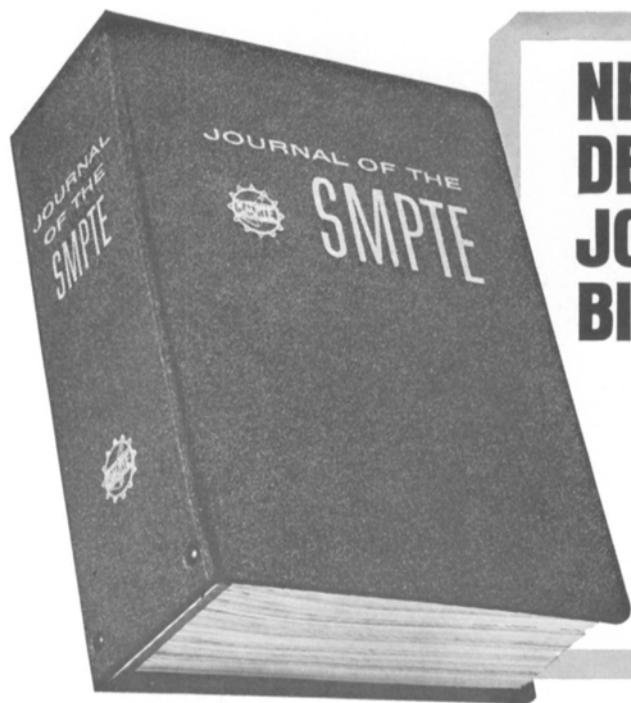
Govsky, drawing from his many years of experience in motion-picture sound engineering, discussed many aspects of location sound recording offering many helpful suggestions on better field operation of equipment, more efficient preparation for mixing and on time-saving techniques for better sound production. He discussed also the correct use of the slate, the importance of efficient placement of microphones on interview subjects and proper voice levels for interviews and narration. Govsky also discussed aspects of location sound recording affecting the mix, transfer of 1/4-track to full-coat and preparations conducive to easier work for the editor. — Jonathan W. Flint (Secretary-Treasurer), DBS Films, Inc., (home address) 266 Minor St., Malvern, PA 19355.

Rocky Mountain, 22 Apr. — The meeting was held at the KMGH-TV studios in Denver with an attendance of 56 members and guests. The program opened with a special demonstration of Denver's first operational electronic newsgathering (ENG) unit and editing facilities. Bob Burton, KMGH-TV News Director; Jim Lilja, Newsfilm Supervisor; and Ted Everett, Assistant Chief Engineer demonstrated the Channel 7 Insta-Cam unit and discussed the practices and problems of the first three months of ENG operation.

Phil Vogel of Eastman Kodak Co. presented a status report on Eastman Video News Film and its relationship to ENG in television news departments.

Following the Insta-Cam and film presentations in Studio A, the audience, separated into small groups, were invited to observe ENG editing procedures in the Channel 7 newsroom. — George A. Sollenberger, Jr., (Chairman), KOA Television, (home address) 4700 Montana Pl., Denver, CO 80222.

San Francisco, 17 Mar. — The meeting, held jointly with the Society of Photographic Scientists and Engineers, was held at the Eastman Kodak Co. facilities in San Francisco with an attendance of 40 members and guests. The speaker was Walter Clark, Consultant on Conservation for the International Museum of Photography, George Eastman House, Rochester, N.Y., who spoke on "Conservation of Our Photographic Heritage." Some of the topics



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covered (and questions answered) by Dr. Clark at the meeting included: What do you do if your films are soaked in a flood? How do you avoid fungus stains in the tropics? What are the best conditions for preservation of color slides?

Dr. Clark's presentation was illustrated by an unusual collection of slides. He described and illustrated many of the processes by which early photographs were made including "salted paper processes," various glass plate negatives, daguerotypes, ambrotypes and tintypes. Restoration techniques and methods for avoiding further deterioration of historic photographs were described. In general, the best and safest restoration technique is to rephotograph the picture using polarized light to eliminate wrinkles and defects, Dr. Clark said. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

San Francisco, 15 Apr. — The meeting was held at the Ampex facilities in Redwood, Calif., with an attendance of 40 members and guests. The speaker was Ed Engberg, Ampex Staff Engineer who gave a presentation on the Electronic Still Store, a method for electronic storage and random retrieval of television graphics. Engberg explained that for television stations the system can eliminate problems of storing and handling quantities of 35mm slides, titles and flat artwork. He said that the system stores and retrieves still pictures on a standard computer disc pack which consists of 10 oxide-coated discs. Playback is by 20 servo-operated heads. Each disc pack has a storage capacity of 815 frames. A typical system will normally incorporate two disc drives to allow for dissolves between slides. The slides are selected and programmed by computer and the system can be operated from a number of access

stations. Following the presentation, which was illustrated by 35mm slides, Engberg conducted a demonstration of the equipment. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

Toronto, 20 Apr. — The meeting was held at the TV Studio of Ryerson Polytechnical Institute with an attendance of 18 members and guests. The small attendance was due to an unfortunate conflict of dates with an important hockey playoff. Those attending either were not hockey fans or were devoted SMPTE members.

The speakers were Colin Davis and Ed Malec, both of Kodak Canada. The meeting opened with the showing of a film, entitled *Film, Film, Film* which provided an interesting view of the continuing use of film in television in many parts of the world.

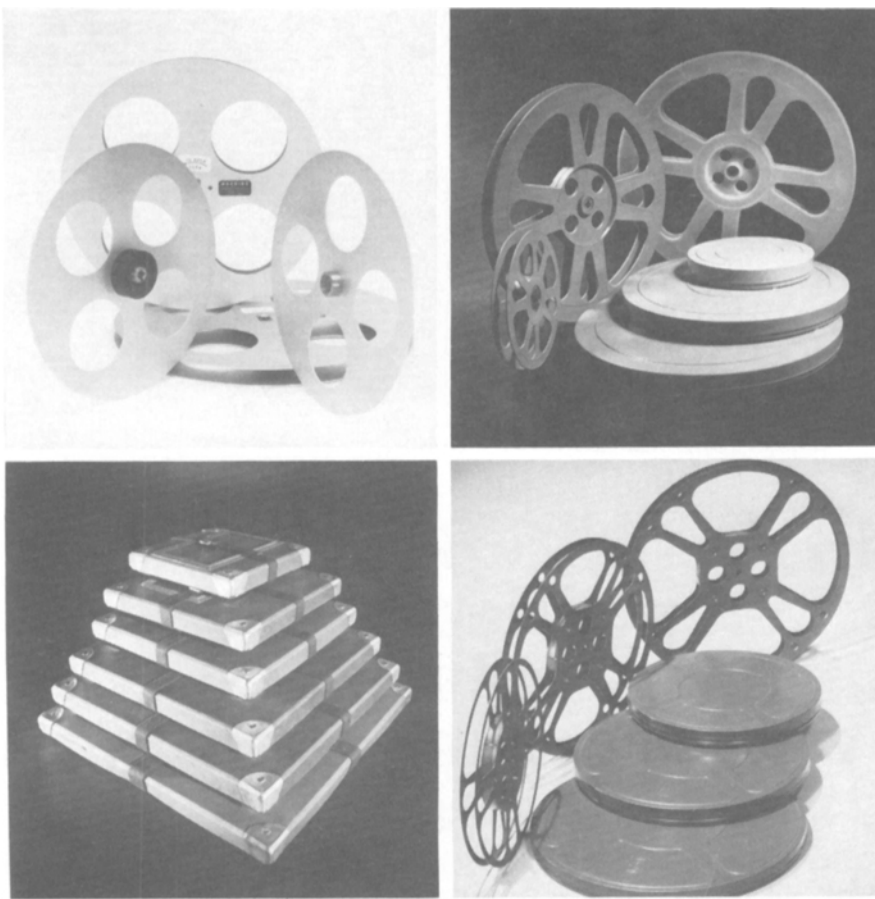
The first paper, presented by Davis, "A New Colour Print Film With a Short Processing Sequence," described the pre-hardened emulsion type 7383 and 5383 which uses a higher temperature developer (97° F) with other steps at 80° F. The entire wet time is under 10 min.

Malec described the Laboratory Aim Density method for duplication of color film, noting that the method insures near-perfect duplication. He illustrated his talk with a film made up of a number of spliced sections showing that the balance among all of the clips was excellent.

The meeting ended early enough to catch the last half of the hockey game on TV. As it turned out, the game wasn't so good and those who chose to watch it missed an excellent SMPTE presentation. — R. J. Brule (Secretary-Treasurer), 3M Company, 790 Wellington St., London, Ont., Can.

Washington, D.C., 25 Mar. — The meeting was held at the Key Bridge Ramada Inn at Rosslyn, Va., with an attendance of 22 members and guests. The speaker was Fred E. Henoch of E. I. duPont de Nemours & Co. (Freon Products Div.) who spoke on "The Use and Handling of Fluoro Solvents and Chemicals in the Motion Picture and Television Industry." His talk was intended to be of aid to those who are now involved or who might be involved in the future in cleaning problems. His talk, illustrated with slides, covered such areas as analysis of cleaning problems; properties of cleaning agents; and proper handling, storage and use of cleaning agents. — Robert W. Hiltwine, Washington Film Laboratories, Inc., 1042 Wisconsin Ave., N.W., Washington, DC 20007.

Washington, D.C., 20 Apr. — The meeting was held at the Academia of the Motion Picture Association with an attendance of 41 members and guests. The speaker was Irwin W. Young of DuArt Film Laboratories, New York City, whose presentation was entitled "How Good is a 35mm Blow-Up from 16mm and Super-16 Color Negative 7247?" He showed 35mm slides for image size comparison and a 35mm color sound print using the split screen format. This technique enabled members of the audience to arrive at their own conclusions as to the quality and usage of 16mm color negative and reversal emulsions blown up to 35mm color. The entire presentation was very informative and elicited a lively response from those present. Robert W. Hiltwine (Secretary-Treasurer), Washington Film Laboratories, Inc., 1042 Wisconsin Ave., N.W., Washington, DC 20007.



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