



WASHINGTON, Feb. 18—Edward Messina, Asst. Director of News Films, ABC, New York, N.Y.; Thomas Snider, President and General Manager, Photopic Systems, New York, N.Y.; and William Terry, Service Manager, Photopic Systems, New York, N.Y., spoke on the highlights of ABC TV's Newsfilm Operations at both the Democratic and Republican Conventions.

This very interesting program depicted the inside operations of setting up the equipments and processors required to back-up the unusual approach to the recent political conventions afforded by the ABC Newsfilm staff. The three speakers presented the overall requirements, the logistics and the brute force needed to establish, almost overnight, the color film processing laboratories, camera crew spaces and other facilities to support the entire operations. Color slides gave some indication of the impossible task of hoisting the large professional PAKO Color Film Processors to the ninth floor of a downtown office building. Our outstanding speakers did the rest.

This meeting had the longest question and answer period I have ever observed

at a local section meeting. The talk was most interesting and very well received.—Richard R. Conger, *Secretary-Treasurer*, Washington.

OHIO, Feb. 20—The meeting opened in Studio "B" of WKYC-TV, Cleveland, with a short introduction by Chairman, George Golden followed by a short film on Richard Lester, director of "A Hard Day's Night," "The Knack," "A Funny Thing Happened on the Way to the Forum," and "How I Won the War."

Peter Dare, Electronic Recording Engineer, in VTR products with RCA discussed problems of tape editing, describing conditions for correct color field editing, problems of cross-color interference and drift in TV camera scanning amplitudes, using slide and VTR illustrations. A brief discussion followed.

Ray Smith, NBC, host for WKYC-TV arranged coffee and doughnuts preceding a tour of the studio facilities for the fifty SMPTE members and guests attending. The Officers and managers of the Ohio Section met for a dinner meeting prior to the evening program.—Robert W. Wagner, *Secretary-Treasurer*, Columbus, OH.

DETROIT, Feb. 21—The February Detroit Section meeting convened in the Audio Visual Department of the Dow Chemical Company, Midland, MI. Mr. Howard Swift, Assistant Manager of the facility described the many types of work performed by the staff of 30 persons. Members and guests were shown representative samples of materials produced by the Audio Visual Department and then were given conducted tours of the film laboratories, equipment supply room, film library and closed-circuit television areas. Examples of trade-show exhibits and advertising photographs were also shown. Following the tours, coffee and donuts were served.—F. M. Remley, *Secretary-Treasurer*, Detroit, MI.

WASHINGTON, March 3—Mr. Dwin R. Craig, President, Ingenuics, Inc., Gaithersburg, MD, discussed, "Third Dimensional Movies from ANY 16mm Film." After describing the basics of his system, Mr. Craig, ran his first film, which when viewed through Polaroid glasses, appeared to be in three dimensions. After the first film there was a question and answer period. This system called InVision is based on the principles of synthetic stereo wherein the dimension of time is translated into apparent dimensions of space, which we interpret as depth. It worked—the observers all saw three dimensions, to varying degrees. The second film presented was the "Apollo 8 Mission." After the meeting, one of the members submitted a test B/W film of earth surface cloud formations, obtained by satel-

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lite, which also appeared to have a third dimensional effect. This was a good meeting which held high interest with those members attending.—Richard R. Conger, *Secretary-Treasurer*, Washington, D. C.

CHICAGO, March 11—Members and friends of the Chicago Section were guests of the E. I. DuPont De Nemours and Co. Photo Products Dept. for a delicious buffet dinner held in the company's cafeteria. The dinner and meeting were hosted by Edward Baron, Motion Picture Specialist in the Photo Products Dept.

The dinner was followed by a very interesting program entitled, "Non-entertainment Uses of Motion Picture Films." The guest speaker for the evening was Lawrence Frier, Supervisor, Technical Services of the Photo Products Dept. of the host company's Wilmington, Del. office.

Mr. Frier, being well versed in his field, conveyed and illustrated to us the applications of motion picture films in High-speed Cinematography, CRT Recording, Bank Surveillance, Cine-radiography, Instrumentation and Aerial Reconnaissance. The paper was supplemented by the use of films and slides depicting the various uses as mentioned above.

The program and dinner were very well accepted and appreciated by 70 members and guests.—Chuck Zichterman, *Secretary-Treasurer*, Chicago, IL.

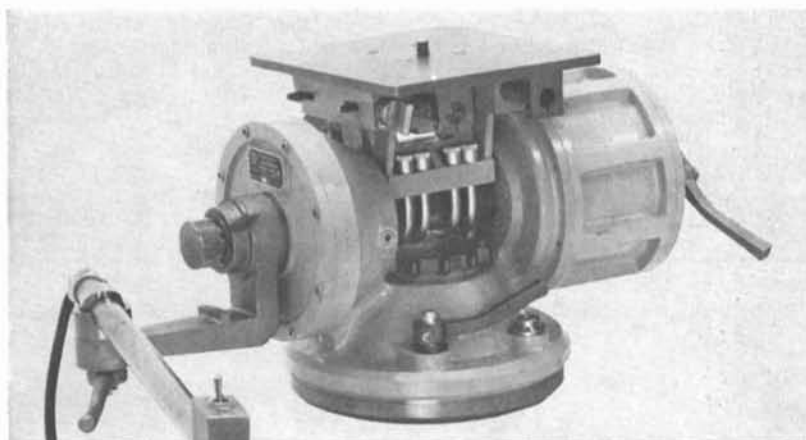
BOSTON, March 12—Victor M. Tyler, E. G. & G., Bedford, MA, spoke on "Facsimile Breakthrough: The PDQ System." The development cycle and the system performance for the proposed new terminals for the weather network was described. Along with the discussion of the design parameters, examples of the copy were shown at one to one and appropriate magnifications. During the questioning period, the detailed physics of the dry copying electrostatic printing was discussed in an interesting esculation of technical detail. The principal innovation in this system is a two dimensional data compression vocabulary that increases the data throughput on a band-limited communication line, so that the total scan output exceeds the area limit for the bandwidth at the resolution being transmitted.—Robert Rubenstein, *Secretary-Treasurer*, Boston, MA.

CAPE KENNEDY, Feb. 15—Frank J. Eberhardt, Eastman Kodak Co., presented a very interesting program. His dissolve slides looked almost like motion pictures as they were presented. The idea of picture and narration working together seemed to be well received by the audience. A movie of about 10 minutes was also shown and drew everyone's praise. The meeting was enjoyed by all and a social hour was held upon completion with many guests and members remaining for dinner afterwards.—James D. Caron, *Secretary-Treasurer*, Hollywood, FL.

CHICAGO, Feb. 18—A pre-meeting dinner in honor of the guest speaker was followed by an exceptionally interesting program entitled "Law Enforcement Photography."

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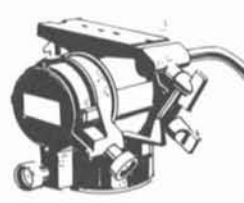
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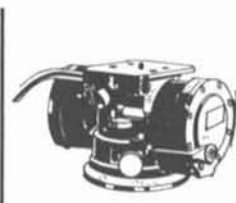
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enlightened us as to the extensive use of color photography in both the Fire and Police Departments throughout the country. He commended both departments in their use of photographic equipment since they do not profess to be professional photographers.

Two films and a number of color slides depicting both departments in action were shown. The program was a diversification from the general technical trend and was enjoyed by approximately 37 members and guests.—C. L. Zichterman, *Secretary-Treasurer*, Chicago, IL.

NEW YORK, March 12—The subject of this meeting was "Super 8 Film." Edgar A. Schuller, *Cine Magnetics, Inc.*, presented a

paper describing laboratory production methods. In addition six companies demonstrated and described their Super 8 projection equipment.

The meeting attracted a large attendance and keen interest was shown throughout the two hours, particularly in the equipment demonstrations. Companies and their respective representatives who participated were: *Jayark*, Charles C. Conn; *Technicolor*, Joseph Cavanaugh; *Bohn Benson*, Leon Bohn; *Eastman Kodak*, Robert Wollman; *Bolex*, Ernest Wildi; *Fairchild*, Nat Myers.—Paul F. Wittlig, *Secretary-Treasurer*, New York, NY.

CAPE KENNEDY, March 15—Richard Pope, Sr., *Chairmen of the Board*, Cypress

Gardens, spoke on, "Photographic Activities of Cypress Gardens." The talk began with a description of Mr. Pope's experiences and problems in establishing the Gardens' functions. Many television programs have originated from here and many major movie companies have done features on the grounds. Displayed and discussed were many large color photos taken by the photo section.

After the delightful talk, a tour by electric boats was taken through the Gardens and the water skiing show was enjoyed by everyone. Later, we were taken through the lab and studio where a few short movies were shown. The meeting, though not technical, was well received by everyone. Cocktails and dinner were enjoyed by all.—James D. Caron, *Secretary-Treasurer*, Hollywood, FL.

DENVER, March 18—The March meeting of the **Denver section** was held at the IBM Corp., of Boulder, CO. Mr. M. R. Cannon, Senior Engineer of IBM and Mr. A. T. McComb hosted the meeting. Following a brief business meeting, Mr. Cannon presented an illustrated talk, tracing the development of magnetic recording. He elaborated on the divergent problems of audio, video, instrumentation and digital magnetic recording techniques. A passing reference was made to competitive recording methods and the assumption made that several decades of constantly improving magnetic recording methods could be anticipated before any rival system would pose an appreciable threat.

Following the talk, a social period allowed discussion and the organization of the membership into two separate tour groups. One group toured the computer tape drive fabrication complex, and the other toured the magnetic tape manufacturing facility.—Jackson R. Cravens, *Secretary-Treasurer*, Denver, CO.

MONTREAL, March 18—The **Montreal Chapter** held another meeting of interest to both film and electronic members. Mr. E. A. Schuller of Cine Magnetics Inc. presented a paper entitled, "Quad 8—A Versatile Film Lab System." The subject was most timely in view of the increasing interest in the 8mm gauge. The second paper by J. E. Thompson of CFCF-TV, "A Flexible TV Color Production System," showed how it was possible to add an extra dimension to video color production by moving color cameras, videotape recorders and ancillary gear from studio to mobile unit.—L. C. Harrop, *Manager*, Montreal, Canada.

NASHVILLE, March 22—Mr. Duane Muir and Mr. Vilmar Zile gave a paper on "A Radio Controlled Bleep Slate." This covered the problems and offered one economical solution to the problem of syncing double system sound by use of radio controlled bleep slate. The paper pointed up the usefulness of this form of slate for covering large areas and crowds such as at large conventions. This system seemed quite appropriate for use anywhere the necessity for separation of the recorder and camera is required. The presentation was well documented by use of slides and a well prepared 16mm film showing the application of the system.

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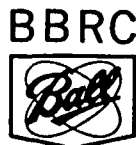
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OHIO, March 27—This meeting was a demonstration of a new concept for an editing bench developed by Motion Picture Research Group of the Battelle Memorial Institute for Jack Behrends, Inc. The meeting was chaired by George Tressel with twenty-seven members in attendance, and was held at the Battelle Memorial Institute Columbus, OH, in a comfortable demonstration room with a prototype of the horizontal editing bench shown in action. The reaction was favorable and following the demonstration members were invited to operate the equipment. A pre-meeting dinner discussion was held at a nearby restaurant by Chairman George Golden, Secretary Robert Wagner and other members of the Ohio Section, at which time plans were discussed for an all-day meeting and for future meetings and arrangements. The April meeting, scheduled for Cleveland, was postponed because of conflicts with SMPTE and other national association meetings occurring at or about the same time.—Robert W. Wagner, *Secretary-Treasurer*, Columbus, OH.

DETROIT, April 1—The **Detroit Section** heard a very interesting report on current developments in television magnetic tape recording. Peter Dare, Product Manager, Electronic Recording Products, RCA, was the speaker. He described a technique for partially solving a vexing problem of color video tape editing. The problem arises because of the fact that NTSC color signals require 4 complete television fields before identical subcarrier phase conditions repeat. The edit pulse in most video tape recorders occurs at the end of each two frame interval, resulting in a 50% chance of making an improper color edit. RCA has begun to use an optional 15 Hz (four frame-interval) edit pulse on their latest machines, which offers a partial answer to the problem. Still to be developed, however, is a technique to positively identify the beginning of each four frame interval.

Dare then described the major features of the innovative TCR-100 quadruplex cartridge-loaded video tape recorder. He pointed out that this unit meets all SMPTE and USASI standards and, in addition, makes use of several design innovations. No capstan pinch-roller is used and tape tension is controlled by an open-loop servo system. The unit accommodates up to 18 tape cartridges, each holding up to 3 minutes of program material. Cartridges are cued automatically and changed in response to special control signals recorded on tape. Its main use is envisioned in the production and broadcast of relatively short spot announcements.

Coffee and donuts were served after the meeting through the courtesy of WWJ-TV in whose auditorium studio the meeting was held.—Frederich M. Remley, Jr., *Secretary-Treasurer*, Detroit.

TORONTO, April 10—The April Meeting of the **Toronto Section** was preceded by an informal dinner at the Cav-A Bob Restaurant which was attended by fifteen members of the Toronto Section plus the guest speakers.

John Gayer, Program Manager, Communications Systems, General Electric Co., Valley Forge, PA reviewed in his paper

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the history of communications satellites from the stand point of launching dates, number of telephone channels and number of TV channels on each satellite. He also discussed in detail the mechanics of live television broadcasting via satellite. In addition, he discussed General Electric's design of a small relatively inexpensive receiving or sending station for special relay services (Transatel System). Mr. Gayer described the use of this equipment in the Apollo 8 mission.

The second speaker, P. Simpson, Sr. Technician Operator in Charge of kine recording, Canadian Broadcasting Co., discussed the CBC's conversion of deep tank processing of kine recordings to Viscomat processing utilizing Eastman Kodak's Viscomat processors. Mr. Simpson described the problems encountered in the installation and start-up of the new system. He also compared the viscous system with the deep tank system from the standpoint of economics, manpower requirements, space requirements and ease of operation.

WASHINGTON, DC, April 14—Calvin S. McCamy, Chief, Image and Optics Section, Metrology Dept., Bureau of Standards, Gaithersburg, MD, described the operations of the Image Optics and Photography Section prior to providing guided tours to the various laboratories. Among the many operations which were seen were Calibration of Aerial Cameras, measuring modulation transfer functions, measuring constants of optical systems, conducting research on the permanence of photographic materials and their image structure characteristics. This was a most interesting and informative meeting.—Richard R. Conger, *Secretary-Treasurer*, Washington, DC.

CHICAGO, April 15—The April meeting of the Chicago Section was a huge success. It began with a dutch treat dinner in the M & M Club of the Merchandise Mart for 44 members and guests.

The meeting itself was of exceptional interest since we were hosted by the National Broadcasting Co., WMAQ-TV Channel 5, Chicago.

The program, entitled, "Operation of a Television Station," consisted of very enlightening papers presented by Curtis L. Pierce, Director of Technical Operations; Charles M. Eining, Supervisor of Technical Operations and Mr. Raymond Eberfeld, Supervising Editor. These gentlemen successfully conveyed and demonstrated to us the basic principles and procedures involved in camera techniques, control room operation and the handling of various program sources such as live, film and tape.

Following the papers we were given the "red carpet" guided tour of the television studio facilities where many of the "behind the scene" questions were answered by exceptionally knowledgeable guides. The overwhelming group of 203 members and guests enjoyed a very interesting and educational evening.—Chuck Zichterman, *Secretary-Treasurer*, Chicago, Ill.

HOLLYWOOD, April 15—The April meeting was preceded by a cocktail hour and dinner at Senior Pico's Restaurant in Century City. The attendance was good and, as usual, it gave the speakers and

guests an opportunity to become acquainted with other members and the objectives of the Hollywood Section.

The meeting at the M-G-M Studio Theater was attended by approximately 175 people. The opening film, "AAARK," was well received by the audience who showed their approval by enthusiastic applause at several points during the presentation. Lt. Col. Alexander, whose group at Norton Air Force Base was involved in the production of this film on communications, supplied some comments on the philosophies behind this type of film production.

Mr. Paul Kenworthy, President of Kenworthy-Snorkle, Inc., the main speaker, gave a very impressive talk and a film presentation demonstrating the use of his snorkle camera equipment. To date, the equipment has been most successfully used in filming commercials; however, it is Mr. Kenworthy's plan that this equipment be used more extensively in the future in the dramatic film field. Along these lines, it has already been used in certain sequences of "Mission Impossible." According to Mr. Kenworthy, many new applications are being considered which would range from feature production work to applications in the medical profession.—Anthony D. Bruno, *Secretary-Treasurer*, Hollywood, CA.

BOSTON, April 30—Edmund L. Bouché, Technical Operations, Burlington, MA, spoke on Color Television Newsphotography with Black and White Film. This meeting was especially notable in that pictures taken at the meeting were shown by closed circuit television at the meeting about one and one half hours after taken. This included a one hour transportation to and from the processing location. Attendance included television engineers from Portland, Maine, and Rochester, NY, in addition to the large local turnout, and a visit from the Financial Vice-President of SMPTE.—Robert Rubenstein, *Secretary-Treasurer*, Boston, MA.

DETROIT, May 5—The Detroit Section met to hear a description of the new General Electric large-screen television projection system. Dr. William E. Good, Manager of Development Systems, General Electric Co., Syracuse, NY, described in some detail the unique characteristics of the "light valve" system, which permits high resolution modulation of a xenon projection light source. There results a bright, crisp picture of large size suitable for many types of television display. Dr. Good demonstrated the monochrome version of the projected system and pointed out that the color version is basically similar and that both systems are nearing the manufacturing stage. The audience saw demonstration materials, both live and recorded, projected on an 8 by 10 foot screen. An interesting question and answer period followed the paper and members and guests were able to examine the monochrome projection equipment while it was in operation. Coffee and donuts were served following the program.—Frederick M. Remley, *Secretary-Treasurer*, Detroit, MI.