

Sylvania Service Co., a subsidiary of GTE Sylvania Inc., 100 First Ave., Waltham, MA 02154, has announced publication of a brochure, available upon request, outlining its capabilities in the design and installation of industrial and commercial inter-communication and surveillance systems. The booklet also describes the company's capabilities in television set maintenance and master antenna installations.

Atlas Sound, 10 Pomeroy Rd., Parsippany, NJ 07054, has announced a catalog, available upon request, providing illustrations and descriptions of 27 microphone and loudspeaker stands for use in professional stage and studio applications. Features of the Atlas sound stands described in the catalog include wear-proof clutches for positive locking control, anti-tip stabilizers and long-lasting rust-resistant construction of chrome-plated seamless upright steel tubing.

The Music Maker's Manual of Microphone Mastery (AL 493), a brochure describing in nontechnical terms how to professionally mike voices and instruments, is available upon request from Shure Brothers Inc., 222 Hartrey Ave., Evanston, IL 60204. The illustrated booklet also explains techniques for handling especially troublesome sound pickup situations.

MPL Table Talk No. 8 describing the work of the sound engineer and how he makes optical tracks from magnetic tracks is available upon request from Motion Picture Laboratories, Inc., 781 South Main St., Memphis, TN 38101. *MPL Table Talk* is a series published by MPL as a service to the motion-picture industry. Earlier issues of *Table Talk* are also available from MPL.

The Timing Products Shortform Catalog listing Datametrics digital clocks, time code generators, time code readers and remote time display products is available upon request from Datametrics, Inc., 340 Fordham Rd., Wilmington, MA 01887. The catalog also includes a brief description of the theory of operation of clocks and generators as well as the application of time code for time synchronization, calibration, data indexing and time distribution systems.

Matthey Electronics pulse delay lines are described in an illustrated brochure available from Television Equipment Associates, Box 1391, Bayville, NY 11709. Previously included in the Matthey general catalog, the new information has been provided in a separate publication because of the diversity of range and by recent additions to the number of available modules. The new brochure provides full details of the pulse delay lines including sizes, performance and application data.

The EECO BE460/BE450 synchronization system is described in a 4-page illustrated brochure available from EECO Broadcast Products Group, 1441 East Chestnut Ave., Santa Ana, CA 92701. The BE460 operates with the EECO BE450 Wide Range Synchronizer using the SMPTE Edit Code. Some of the applications explained and illustrated by diagrams are: video/audio double-system editing; sweetening of audio tapes; video and FM stereo simulcasting; and reel-to-reel change-over during video broadcasts.



CHICAGO, 25 Sept. — The meeting was held at TeleMation Productions in Glenview, Ill., with an attendance of 70 members and guests. The speakers were Scott Kane and Al Killian, both with TeleMation, and both of whom spoke on "Film to Videotape Editing" with reference to the Ampex RA-4000. The two speakers demonstrated the steps in editing film on videotape, including transfer, scene selection using time coding and off-line slant-track recorders, to produce a finished commercial. A pre-meeting dinner was held at the Glenview Country House. — Charles M. Eining (Secretary-Treasurer), National Broadcasting Co., Merchandise Mart, Chicago, IL 60654.

CHICAGO, 11 Nov. — The meeting was held at the A. B. Dick Sales Training Center in Chicago with an attendance of 50 members and guests. The speakers were George Smith, Jr., Audiovisual Coordinator of the A. B. Dick Co., and William D. Hedden of Calvin Communications, Inc., Kansas City, Mo.

Mr. Smith spoke on "The Small In-House Audiovisual Department." He discussed the kind of audiovisual presentation produced by using a combination of slides and motion pictures and showed a portion of a new bicentennial program currently in production.

Mr. Hedden, who is Executive Vice-President of the SMPTE, gave a brief talk on the present situation and future prospects of the Society. Stating that "the SMPTE is alive, active and in a good financial situation," he explained the purpose of the Voluntary Capital Funds Program and reported that "past prudent actions by the officers and members of the Society are responsible for its present good financial position." He noted also that "with the Capital Funds Program dedicated to retiring the indebtedness on the Society, operating expenses could be reduced by \$15,000 annually." He pointed out that "this would enable the Society to continue, or even to expand its program of service to members, even if there should be an adverse national economic situation in the future." — C. M. Eining (Secretary-Treasurer), National Broadcasting Co., Chicago Merchandise Mart, Chicago, IL 60654.

DALLAS/FORT WORTH, 5 Nov. — The meeting was held in the auditorium of the University of Texas Southwestern Medical School in Dallas with an attendance of 28 members and guests. Michael Lorring of the Medical School conducted the program on Biomedical Communications, opening the meeting with a demonstration film of his work in 16mm microcinematography. He discussed the applications of film, audio and video to biomedical education, following which he conducted members of the audience on tours of the cinematography facilities, the laboratories and the television studios of the Medical School. — James C. Miller (Secretary-Treasurer), KERA-TV, 3000 Harry Hines Blvd., Dallas, TX 75201.

DALLAS/FORT WORTH, 8 Oct. — The meeting was held at the offices of the Southwestern Life Insurance Company in Dallas with an attendance of 27 members and guests. The speakers were Wayne Bradbury of the Southwestern Life Insurance Company and Cecil Smith of Tektronix Inc. Mr. Bradbury presented a paper entitled "Multimedia Training Techniques." He discussed the use of multimedia training in insurance work. He then showed a film/slide presentation prepared by Spindler-Sauppe to show the capabilities of the punch-tape-programmed, three-screen, beautifully appointed Southwestern Life audiovisual facility.

Members and guests then went to the television studio where Mr. Smith provided a demonstration of Tektronix test equipment. The equipment included the automatic video corrector and the audio frequency spectrum analyzer. — James C. Miller (Secretary-Treasurer), KERA-TV, 3000 Harry Hines Blvd., Dallas, TX 75201.

DENVER, 16 Oct. — The meeting was held at the Ampex Corp. facilities in Colorado Springs with an attendance of 27 members and guests. The speaker was William Carpenter, Manager, AVR 2, Ampex Corp., whose presentation was entitled "Digital Concepts in Videotape Recorders." The audience was divided into two small groups, each group being taken separately on a tour of the manufacturing facility to observe the assembly, testing and quality control of video products. — George A. Sollenberger (Secretary-Treasurer) (KOA Television), 4700 Montana Pl., Denver, CO 80222.

DENVER, 20 Nov. — The meeting was held in the auditorium of Western Cine Service with an attendance of 34 members and guests. The speakers were Mike Phillips, James Caron and John Newell, all of Western Cine Service. Mr. Phillips spoke on "Special Effects by Optical Printing" and Mr. Caron described "Blowup From Original ECO to Color Internegative." Mr. Newell presented a special report from SMPTE Headquarters.

Methods for producing optical effects, mattes, titling and preparation were described. Effects of corrective printing by modulated light valves were shown in a series of slides. Techniques describing film handling, cutting, wet gate printing and the methods of exposure advantageous to better release prints were shown and described with still and motion integrated for specific detail. — George A. Sollenberger, Jr. (Secretary-Treasurer) (KOA Television), 4700 Montana Pl., Denver, CO 80222.

FLORIDA/CARIBBEAN, 29 Oct. — The meeting was held at the Howard Johnson restaurant in North Miami with an attendance of 27 members and guests. The speakers were Joseph W. Schmit of Technicolor Corp., Hollywood, and Sarrala M. Poster of Image Devices, Inc., North Miami. Mr. Schmit's presentation was entitled "Optical Printing

Techniques," and Ms. Poster's presentation was entitled "The IDI Communicator."

Mr. Schmit's presentation opened with a simplified explanation of the optical printing process followed by a description of the two systems of illumination for color printing — subtractive and additive. The techniques of printing special effects, such as fades, dissolves, wipes, split scenes and traveling mattes were explained and illustrated with diagrams. Different formats, such as CinemaScope, were described as well as the technique of converting from one format to another, for example, wide screen to TV aspect ratio. The basic types of wet printing were described and illustrated with diagrams.

The second half of the program consisted of a description and demonstration of the IDI Communicator, Model 50 by Ms. Poster assisted by Cindy Lou Taylor. The Communicator is a compact duplex two-way VHF-FM radio communication system for use by members of the crew (and/or talent if required) in film and television production. The extreme versatility of the system was explained. It can be used for simple two-way communication between, for example, Director and Cameraman, or, as a multiple unit system, it can be used to allow the Director to talk to any member of the crew or the talent with reply from any individual made possible by either a push-to-talk or a voice-actuated switch. The sensitivity of the electret headset-boom microphone was demonstrated. Its noise-cancelling capabilities allow a whisper to be transmitted even under noisy conditions. Members of the audience participated in the demonstration and there was a lively question and answer pe-

riod. — Christopher H. Lankester (Secretary-Treasurer), 320 North Luna Court, Hollywood, FL 33021.

HOLLYWOOD, 21 Oct. — The meeting was held at the Rodger Young Center with an attendance of 105 members and guests. The speakers were C. Carroll Adams III of C. Carroll Adams Enterprises, Olga Kaczmar of Occidental Life Insurance Co., and Ed Hogg of Hunt Wesson Foods. Dr. Adams spoke on "Multi-Image." Ms. Kaczmar discussed "Ten Points to Better Scripts" and Mr. Hogg spoke on "Audiovisual Product Coordination." Dr. Adams covered the growth slide film presentation from its beginnings to today's use of multi-image presentations using the latest dissolving techniques. Ms. Kaczmar used slides to illustrate her talk as she pointed out that a poor script can be responsible for a disappointing presentation. She also explained the essential elements of a good script and discussed what to avoid and why. Mr. Hogg described the organization of a medium-size audiovisual department. He discussed the extensive use made of multi-image presentations at Hunt Wesson. A panel discussion followed presentation of the papers and a number of pertinent questions from the audience indicated an intense interest in the speakers' subjects. — Robert Gustafson (Chairman), Consolidated Film Industries, 959 Seward St., Hollywood, CA 90038.

HOLLYWOOD, 17 Nov. — The meeting was held at the MGM Studio Theatre in Culver City, Calif. with an attendance of 110 members and guests. The speakers were Ed-

mund DiGiulio, President of Cinema Products Corp., Howard Schwartz, ASC, Director of Photography, and Richard Pease, Assistant Cameraman. Mr. DiGiulio described the evolution of the CP-16R camera from a news/documentary type of unit to a studio camera using a special "studio rig" for the adaptation. Following Mr. DiGiulio's talk, a demonstration was conducted by Mr. Schwartz assisted by Mr. Pease using the camera under simulated sound stage conditions. A "hands-on" demonstration gave members of the audience the opportunity of actually using the equipment. — Don V. Kloepfel (Secretary-Treasurer), DeLuxe General, Inc., 1546 North Argyll Ave., Hollywood, CA 90028.

MONTREAL/OTTAWA/QUEBEC, 15 Oct. — The meeting was held at the National Film Board of Canada with an attendance of 22 members and guests. The speaker was Régis Laderrière of Soremec-Cehess, Paris, France, whose presentation was entitled "ACL Camera's New Motor, Magazine and Exposure System." Improvements to a product are of definite interest to the user; this being the reason for arranging this mini-meeting on the subject of the ACL camera. Having been chosen by ORTO as the official camera for the 1976 Olympics, the subject was very topical. M. Laderrière, on his return trip from the Society's Los Angeles Conference presented to the audience a clear outline of the improvements to the ACL variable speed motor and of the new concepts for the magazines and the incorporated exposure system. His talk was illustrated with a slide presentation. A lively question and answer period followed



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the coffee break and the closing event of the meeting was a "hands-on" equipment demonstration. — Robert Desrosiers (Secretary-Treasurer), CBC, P.O. Box 787, Station "C", Montreal, Que. H2L 4L6, Can.

MONTREAL/OTTAWA/QUEBEC, 17 Oct. — The meeting was held at the National Film Board's Theater 3 with an attendance of 41 members and guests. The speaker was Sam Kula, Director of the National Film Archives of Canada. The meeting opened with an NFB film, *Squadron 992*, produced in 1940. As an historical document preserved at the National Film Archives, the film was especially appropriate for this meeting. Mr. Kula traced the history of the Film Archives from the date of its official formation in 1972 to the present. Anecdotes and stories relating to archival films were well illustrated with film clips, some of them made as early as 1899.

A second speaker, William Galloway, Associate Director of the Archives, had originally been scheduled for the meeting. His nonappearance was due to the fact that to transport nitrate film from Los Angeles to Montreal with frozen fish is the "in" thing today and that instead of speaking at the meeting he was in Toronto sorting film and fish. In spite of the frozen fish, this was an informative and enjoyable evening. — Robert Desrosiers (Secretary-Treasurer), CBC, P.O. Box 787, Station "C", Montreal, Que., H2L 4L6, Can.

NEW YORK, 14 Oct. — The meeting, held at the United Engineering Center in New York City with an attendance of 115 members and guests, was an open seminar on the very timely subject of Tape and Film Piracy. A panel of representatives from the motion-picture and television industries and a law-enforcing agency discussed the ramifications of print piracy and answered a number of questions from the audience. It was noted that thousands of new and old motion pictures and television programs are illegally copied each year and distributed throughout the world. Huge dollar losses to producers and advertisers result from this piracy and all facets of the motion-picture and television industries are adversely affected.

The panel members were: William F. Beane and Tom F. McQueeney, both of the FBI, Donald Krim and Alan Benjamin, both of United Artists, and Sidney Schreiber of the Motion Picture Association of America. Technical Experts on the panel included Stan Gitner of Filmtreat International, John Kowalak of Movielab, Inc., Al Lo Presti of Paramount Pictures, Ed Messina of ABC, Jack Schultes of EUE, Jim Stone of Bonded Film Services, K. Blair Benson of Goldmark Communications, and Joseph Moscarel of Paramount Pictures. — Kurt Wulliman (Manager) 3M Company, 555 Kappock St, Riverdale, NY 10463.

NEW YORK, 11 Nov. — The meeting was held at the United Engineering Center in New York City with an attendance of 102 members and guests. The theme of the program was: Opportunities for Higher Education in Motion Picture and Television Careers. Representatives of colleges, universities and some special schools in the New York City area participated in the program. The speakers provided up-to-date information about the courses of study, degree opportunities, undergraduate and postgraduate courses, faculty, and other specific information about the

schools with which they are affiliated as well as providing an overall view of the extent and quality of professional education in motion picture and television.

The speakers were: Prof. Lawrence J. Kellerman, Director of the Film Studies Program, *Brooklyn College*; Robert S. Withers, Artist in Residence, and Earle Gister, Head of the Theater Arts Department, Film Division, Picker Film Institute, *City College of New York*; Prof. Deborah Dobski, Film Division, School of the Arts, and Department Head Stephan Sharff, *Columbia University*; Kenneth P. Nimmer, Film Coordinator, Bill Renn, Broadcasting Coordinator, and George Gordon, Chairman, Communication Art Department, *Hofstra University*; Prof. Haig T. Manogian, Head of Training, Undergraduate School of the Arts, *New York University*; Prof. Mel Howard, Chairman, *Graduate Institute of Film and Television*; Prof. Michael Engels, Assistant Dean and Chairman, Cinematic Arts and Television, *The New School for Social Research*; John Mulcahy, Chairman, Video Department, and Nathan Kolodney, Chairman, Film School, *The School of Visual Arts*.

This was an extremely informative meeting providing important information on how our colleges and universities are responding to the need for structured education in all aspects of film and television. — Kurt Wulliman (Manager) 3M Company, 555 Kappock St., Riverdale, NY 10463.

OHIO, 16 Oct. — The meeting was held at the studios of Richard Shirley, Inc., in Cleveland with an attendance of 37 members and guests. The speakers were Richard Schreiber of Arriflex Company of America and Ray Hautala of Victor Duncan, Inc. Mr. Schreiber discussed and demonstrated the new Arriflex 16SR camera and the new Zeiss T1.4 Super-Speed Lens. He showed also a reel of test footage shot with this lens on 7247 ECN II film and processed with TVC Labs Chem-Tone process to demonstrate the lens' low light level capabilities.

Mr. Hautala demonstrated the new Nagra IS lightweight recorder, the Angenieux 10-150 mm T2.2 15-to-1 zoom lens for 16 mm camera, the CP-16 reflex camera with LED finder displays, and Colortran lighting equipment. — Jon Carter (Secretary-Treasurer), Movie Makers, Inc., 4614 Prospect, Cleveland, OH 44103.

OHIO, 23 Oct. — The meeting was held at the Batelle Memorial Institute in Columbus with an attendance of 70 members and guests. Theme of the program was The Film Laboratory. A "behind the door look" showing what happens to film in the laboratory was provided by representatives of Motion Picture Laboratories, Inc., of Memphis, Tenn. Introductions were made by Dwayne Baker. Gerald Somerville, Head of MPL Sound Department told "How to Get Good Optical Sound on Film." Jim Solomon, Laboratory Manager, spoke on "What to Expect on Color Print Film Stocks." He showed a film on laboratory procedures produced by students at Indiana University. The program included the showing of samples of the new Eastman Kodak 7247 color negative. William Smith presented a paper on "Videotape to Film Transfers" and showed examples of the advances in this technique. The presentations were enthusiastically received by the overflow audience of students and filmmakers. — George F. Golden (Chair-

man), FilmLab Service, Inc., 4117 Prospect Ave., Cleveland, OH 44103.

PACIFIC NORTHWEST, 21 Nov. — The meeting was held in the Alkai Room in Seattle Center, Seattle, Wash., with an attendance of 41 members and guests. The speakers were Barry Lloyd of RCA Corp. and William C. Mace, Jr., of Battelle Northwest. Mr. Lloyd described the RCA TCP-1624 film cartridge projector illustrated by a slide presentation showing how the projector operates. He also passed around film cartridges for the audience to examine.

Mr. Mace showed two films. The first film showed how computer animation was generated and the second film showed how the animated graphics were used in a completed film. The completed film showed the operation of fuel cells in an atomic power plant.

Following the meeting, the audience attended the annual Novemberfest in the Alkai Room and danced to the music of Ed Allenbach's German Band which had been made available through the courtesy of Alpha Cine and Forde Motion Picture Laboratory. — C. Eugene Newcomer (Secretary-Treasurer), Pacific Northwest Bell, 1200 Third Ave., Rm. 1101, Seattle, WA 98101.

SAN FRANCISCO, 21 Oct. — The meeting was held at the KGO studio with an attendance of 30 members and guests. The speaker was Dennis A. Donnelly of RCA Corp. who explained the RCA TK-28 Color Telecine Camera System with emphasis on the system's automatic features. He also discussed RCA Corp.'s recent development of a color and gamma corrector called ASCET (Automatic System Correction of Errors in Telecine). The presentation included a video demonstration and the showing of a color film. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

SAN FRANCISCO, 18 Nov. — The meeting, with the theme of New Methods of News Coverage, was held at the Eastman Kodak Co. facilities in San Francisco with an attendance of 120 members and guests. The speakers were Joseph A. Semmelmayr of Eastman Kodak Co., Byron Fincher of RCA Corp., Barry Brose of Highland Laboratories, William J. Karpisek of KCRA-TV in Sacramento, Calif., and Donald E. Lincoln of KPIX in San Francisco.

Film, slides and videotape playback were used by the various speakers to illustrate a number of new ideas and techniques in the fast-growing field of television newsgathering and presentation.

Mr. Semmelmayr demonstrated Eastman Video News Film as actually in use by local stations KOVR, KRON and KPIX. Much of the film was shot at night and showed very good rendition of detail in the shadow areas. Mr. Fincher demonstrated the new RCA TK-76 portable color TV camera weighing less than 26 lb. The camera, designed specifically for newsgathering and related applications can be used by nontechnical persons. His presentation was illustrated with videotape samples and slides showing the equipment. Mr. Brose demonstrated some super-8 to videotape transfers using the Eastman Kodak Videoplayer. Transfers were shown with and without correction to show the amount of pic-

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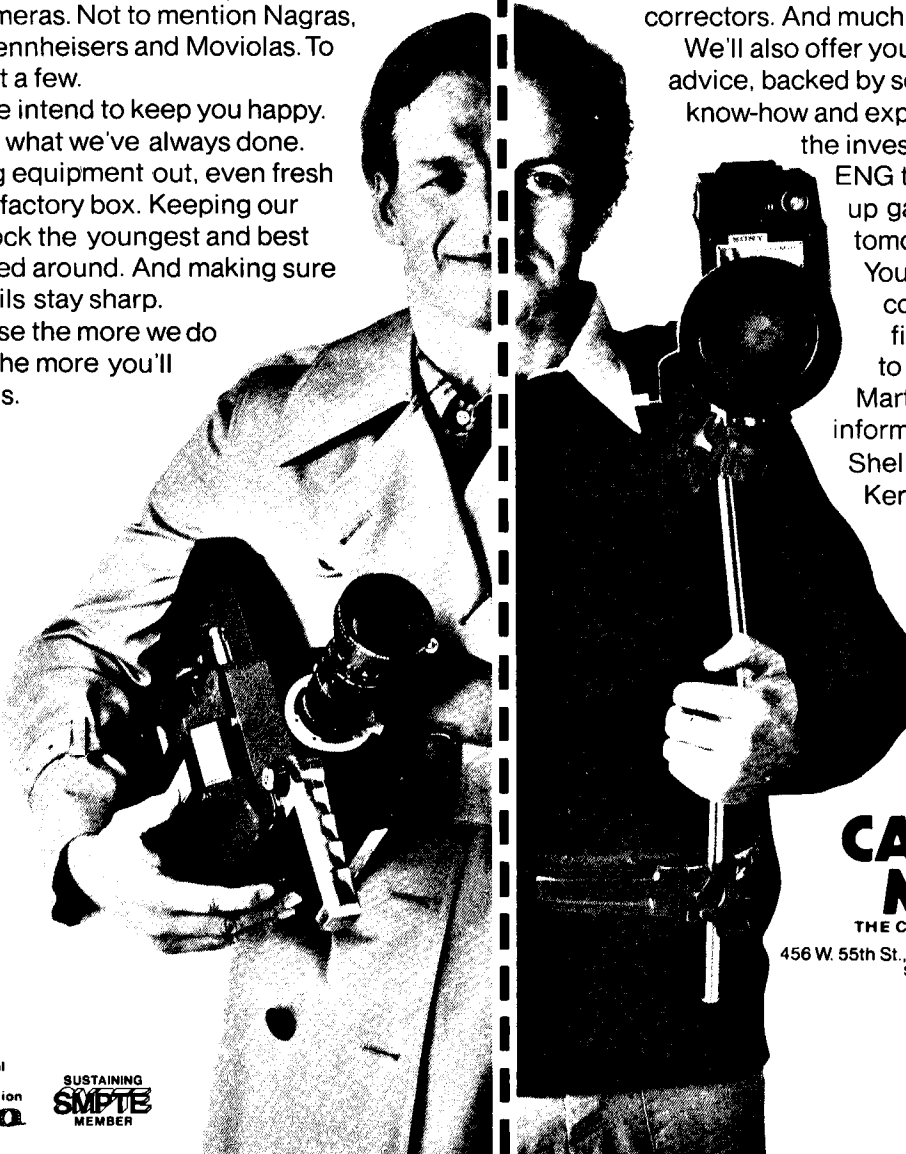
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ture improvement possible. Mr. Karpisek explained the KCRA newsgathering system called Live Camera 3. The planning and layout of the KCRA van was shown in a series of slides. Mr. Lincoln (who arranged the program) showed slides of the KPIX ENG Vehicle. Both Mr. Karpisek and Mr. Lincoln emphasized that communication between the mobile unit and the station is a key part of every successful system.

This was a meeting with something for everybody regardless of whether the main interest was in television or film. The program was enthusiastically received. — Kay Kibby (Secretary-Treasurer), W. A. Palmer Films, Inc., 611 Howard St., San Francisco, CA 94105.

UNIVERSITY OF SOUTHERN CALIFORNIA'S DIV. OF CINEMA STUDENT CHAPTER was reactivated during the Spring semester of 1974 after several years of inactivity. Meetings were held in May, June, October and November of 1974. On 17 January 1975 a group of 20 students travelled to San Diego to tour the Rubin H. Fleet Space Theater. The tour included a close-up look at the IMAX projection system. The arrangements for the tour, which had been discussed at the November meeting, were handled by Frank Peele, a graduate student, with the aid of Les Novros of Graphic Films in Hollywood.

The first Student Chapter meeting for the Spring 1975 semester was held on 13 February 1975. Brent Keast, Activities Committee Chairman, presented a report on possible activities for the Spring semester.

In March, Herbert Farmer, SMPTE Vice-President for Educational Affairs, arranged a tour of the Vidtronics facilities in Hollywood. In April, no Chapter meeting was held because the end-of-semester "crunch" for completion of student film projects was upon us. The final official act for the Spring semester was the appointment of Dika Ryan, an undergraduate student, as pro tem chairperson for the Fall semester. The appointment was made to facilitate continuity for the upcoming Fall semester because the incumbent chairperson, secretary-treasurer and committee members were all graduating and leaving the University.

I would like to conclude this report by making a few observations. I feel that the Society can contribute a great deal to a student matriculating at USC in Cinema; however, we face some formidable barriers to student participation in the Student Chapter. The Cinema majors here are very limited as to what might be termed "spare" time because the students must devote most of their waking time and in many instances their sleeping hours to the completion of student films. At the Student Chapter meetings and tours, the attendance never exceeded 20 persons.

With this in mind, I believe that we should concentrate on what I term a "passive" participation in the Society. By this I mean that the basic benefits of being a member of the SMPTE, which include receiving the *SMPTE Journal*, the Conferences and the Hollywood Section meetings, should be emphasized. This is not to say that we should not try to generate more activity within the Student Chapter, but that the primary objective should be the emphasis on the long-lasting and real benefits of membership in the SMPTE. — K. Kenneth Miura, Faculty Advisor, USC Student Chapter.

Obituaries

Eric M. Berndt

Eric M. Berndt, a Life Fellow of the SMPTE, died 24 October at the age of 72. Born in Berlin, Germany, he received his early training in motion-picture technology as an apprentice at Siemens-Schuckert in Berlin. He emigrated to the United States in 1922 where he engaged in various research and development projects. In 1932 he established his own company which produced the first professional sound-on-film motion-picture camera and the first 16mm sound recorder. In 1935 John Maurer and Berndt formed the Berndt-Maurer Corporation and in 1939 Berndt moved to the west coast where he formed a corporation that developed into the Berndt-Bach Company, manufacturers of Auricon 16mm sound cameras and recorders. He left the company in 1960 to work on special projects and to gather together a collection of early motion-picture equipment which is considered one of the best in the world.

Among the many cinematographic innovations developed by Berndt during his long and distinguished career was a sub-miniature motion-picture camera using 3mm film used in a special cockpit photography application by the United States Air Force. Later he developed a super-16 system employing super-8-perforated 16mm film producing a picture having an available blowup area of 0.332×0.560 in.

A member of the Society since 1927, he became a Fellow in 1939. Among other honors he received the Eastman Kodak Gold Medal Award presented at the 112th Technical Conference in Los Angeles. He was also the recipient of the John Grierson International Technical Award presented in 1974 for outstanding pioneering achievements in the development, design and manufacture of equipment and systems for small-format film. The citation noted that his early work in camera and optical sound recorders "contributed greatly to the professional acceptance of small-format film, particularly in the area of documentary film production . . ."

(A Biographical Note by Roderick T. Ryan providing a detailed account of the life and achievements of Eric M. Berndt appears in the February 1973 *Journal* on p. 98.)

Carroll H. Dunning

Carroll H. Dunning, a Life Fellow of the SMPTE, died 1 December at his home in Indianapolis, Ind., at the age of 94. At the time of his death he had been a member of the Society for almost half a century, having joined in 1925. He was made a Fellow in 1948.

He was born 19 August in Denton, Md., and his long, active and productive life was devoted to the advancement of motion-picture technology. At the age of 89 he was working enthusiastically on an assignment to improve film editing equipment.

A pioneer in motion-picture technology, in 1916 he joined with William Van Doren Kelley and Wilson Saulsbury to form a company called Kesdaolor to promote the invention of a two-color additive line-screen process and in 1918 a 100-ft scene of the American Flag was exhibited at the Rialto, Rivoli and Criterion theaters in New York. Kesdaolor evolved into a new company called Prizma Color and in 1922 the first feature-length picture (*The*

Glorious Adventure, produced in England) was made in Prizma Color.

In 1925 he moved to California and in 1926 he opened a laboratory (the Dunning Process Co.) with his son, Dodge, who, like his father, was a well known motion-picture engineer who invented a process for composite photography called a Dunning Shot. The process, used in filming such motion-picture classics as *Hell's Angels*, *Anna Christie*, and *Mutiny on the Bounty* was reported in the *SMPE Transactions* (Vol. XII, No. 36, 1928).

A seminal influence on special-effects technology, with the development of rear projection, the Dunning Process Co. evolved into the Dunning Color Laboratory to become one of the important forces influencing the development of color in motion pictures. Later in life Carroll Dunning became the owner of Anson Research Co. in Santa Monica.

His outstanding contributions to motion-picture technology were recognized by the Society by a Special Commendation Award presented in 1972 at the 112th Conference in Los Angeles.

Carroll Dunning is survived by his wife, Mary Lou, who lives at 225 East North St., Indianapolis, IN 46204, and by a daughter, Mrs. Decla Radin, whose husband Paul is the Associate Producer of *Born Free*. His son, Dodge, died some years ago.

(A Biographical Note by Roderick T. Ryan giving a detailed account of Carroll Dunning's life and achievements appears in the August 1971 *Journal* beginning on p. 664. We are also indebted to Dom Capano for supplying us with additional information.)

Changes of Address Needed by 1 February for 1976 Directory for Members

The 1976 *Directory for Members*, complete with alphabetic listing of individual members' names and addresses, will be published in early March. As in 1974 the Society will use a computer to produce the *Directory* pages. Members' current addresses, affiliations and job titles are needed for data processing as early as possible.

All address changes that reach the Society's office in Scarsdale, N.Y., by 1 February 1976 will be included in the *Directory*. Any changes received after 1 February are likely to be omitted. (In that event, the address to which the member's *Journal* was mailed during 1975 will be included.)

The March publication date has been chosen because the Society's membership files are most up to date in early February. The majority of the changes, of course, are received with membership dues payments and arrive before the first of February.