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Edward J. Manzo has joined the Sales Engineering staff of Tele-Measurements, Inc., 145 Main Ave., Clifton, NJ 07014, it was announced by J. R. Poppele, President. Mr. Manzo was formerly Regional Manager for Ampex and he was also associated with CBS Laboratories.

Gene Murphy has been appointed Regional Marketing Manager for the Western States for Berkey Colortran, Inc., 1015 Chestnut St., Burbank, CA 91502. He has had considerable experience in television lighting and is knowledgeable in all phases of Colortran lighting.



Authors of papers presented at the Chicago Seminar: **Harold Kinzle, John Eerde, William Koch, Jack Hall, Paul Ireland, Robert Tuite, William Hedden, Wilton Holm, Edward Graf, Fred Scobey and Richard Potter.**

CHICAGO, Sept. 18—The meeting was an all-day joint meeting of the SMPTE Chicago Section and the Chicago Section of the Society of Photographic Scientists and Engineers. It consisted of a Motion Picture Laboratories Workshop Seminar held at the Sheraton-O'Hare Motor Hotel in Rosemont, Ill. The seminar was a condensed (one-day) version of the two-day tutorial seminar on Technologies in the Laboratory Handling of Motion Picture and Other Long Films held in Los Angeles in November 1970 and in New York in March 1971. (A report on the seminar, by Pablo Weinschenk-Taberner, appears in the June 1971 issue of the *Journal*, pp. 496-497. Papers presented at the two-day seminar were published in the *Proceedings*, edited by Frank P. Clark.)

More than 150 persons attended the one-day Chicago seminar, many of whom traveled some distance to attend. Committee members whose efforts brought about the success of the meeting are Karl LaRoche, Harry Wayne (President of the SPSE Chicago Section), Robert Rosencranz and Cornelius Zichterman (Chairman of the SMPTE Chicago Section); (seated) Ted Walocka, Dave Hurley, Matt Herman, John Eerde, Byron Friend, Rudy Guzik and Allen Hilliard.

Authors of papers presented at the Chicago seminar are Harold Kinzle, John Eerde, William Koch, Jack Hall, Paul



Committee members (standing) **Karl LaRoche, Harry Wayne, Robert Rosencranz and Cornelius Zichterman;** (seated) **Ted Walocka, Dave Hurley, Matt Herman, John Eerde and Byron Friend.**

Ireland, Robert Tuite, William Hedden, Wilton Holm, Edward Graf, Fred Scobey, Richard Potter and, Robert Rosencranz—Mathias J. Herman, *Secretary-Treasurer* (Geo. W. Colburn Labs), 9104 Birch Ave., Morton Grove, IL 60053.

WASHINGTON, D.C., Oct. 12—The meeting was a joint SMPTE and SPSE technical session set up in workshop fashion at the Walter Reed Army Institute of Research. A complete description and an on-the-spot performance of the making of a

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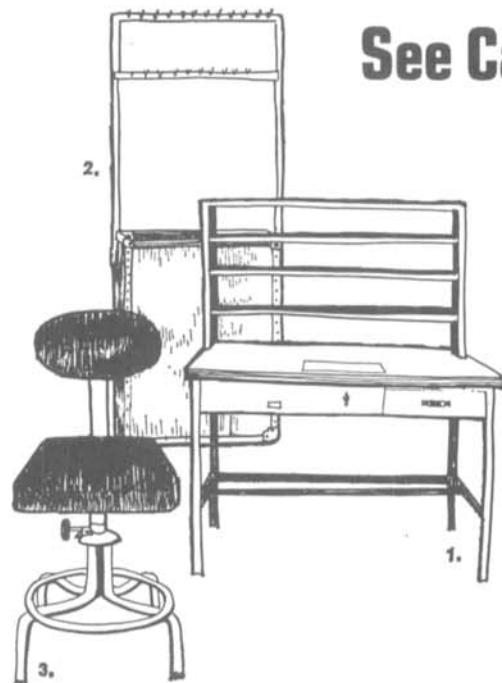
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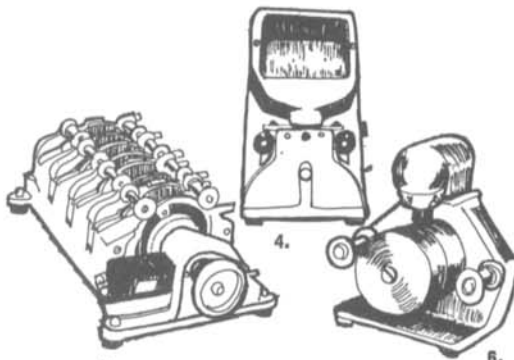
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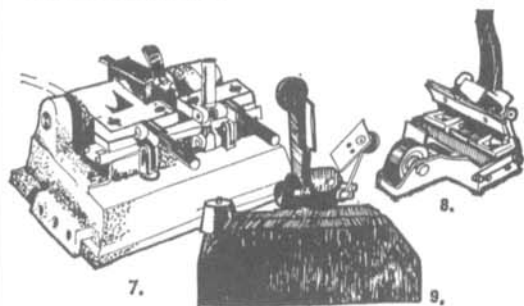
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motion picture were given. Descriptions and demonstrations included such things as basic camera equipment, script writing, producing and directing, surgical camera set-up, animation and special effects, cine photomicrography, soundtrack preparation and mixing and editing. Procedures of matching, timing and printing were also explained. Harold E. Dixon was Director of the Workshop. A 10-min medical motion picture was shown illustrating the points made in the descriptions.—Arthur L. Foster, *Secretary-Treasurer* (U.S. Dept. of Agriculture), 7115 24th Ave., Hyattsville, MD 20783.

BOSTON, Oct. 13—The meeting was held at the Arthur D. Little auditorium in Cambridge, Mass., with an attendance of 38 members and guests. Calvin M. Hotchkiss of Eastman Kodak Co. (New York) was guest speaker. His subject was "Schemes of Printing 16mm Color Prints From Camera Originals."—Robert A. Rubenstein, *Secretary-Treasurer* (RCA-Computer Systems Div.), 28 Clearview Dr., Framingham, MA 01701.

DETROIT, Oct. 14—The meeting was held in the conference room of the Jam Handy Organization. The speaker was William Schmitt of 3M Company who described newly developed techniques for the rapid preparation and presentation of audiovisual materials. He gave demonstrations of overhead projection units and of materials used to prepare visuals for use in the projectors. New materials permitting rapid preparation of halftone visuals using the infrared duplication technique were discussed and demonstrated.

An interesting and informative description of the Sound-on-Slide system was also presented. This method of display permits use of conventional photographic slides mounted in 2 x 2 binders which, when mounted in special slide holders, are automatically provided with the ability to record and reproduce up to 35 seconds of sound per slide. A special projector is utilized which changes the slides and accompanying sound recordings automatically or manually at the discretion of the user. The speaker pointed out that this system is well adapted to presentations of many types, including random-access user-operated systems for display purposes and also including individualized self-instruction techniques in education. The fact that the slide and its accompanying soundtrack are contained together in a single holder permits rapid rearrangement of lecture or demonstration materials to suit the audience to be served.—R. L. Renaud, *Secretary-Treasurer*, Browne Renaud Associates, Inc., 2820 W. Maple Rd., Troy, MI 48084.

ROCHESTER, Oct. 14—The meeting was held at the Memorial Art Gallery in Rochester with an attendance of 99 members and guests. There were three speakers, B. H. Carroll of the Rochester Institute of Technology, J. F. Hamilton and H. E. Spencer, both with Eastman Kodak Co. All three are recognized authorities in the field of latent image theory. The general topic which they all discussed was

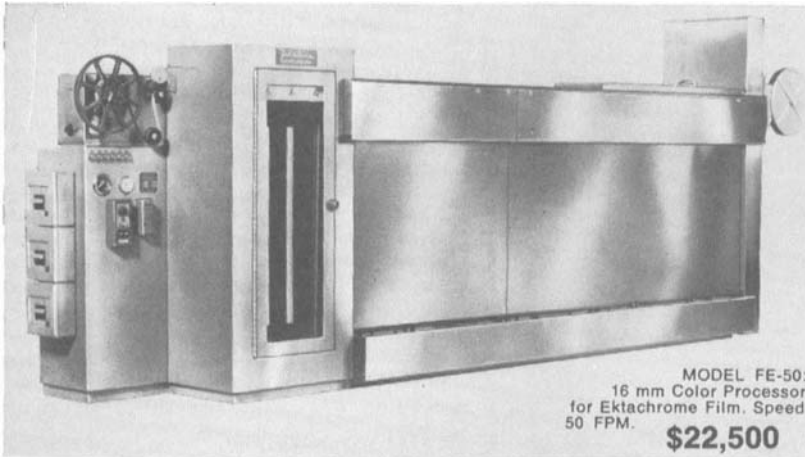
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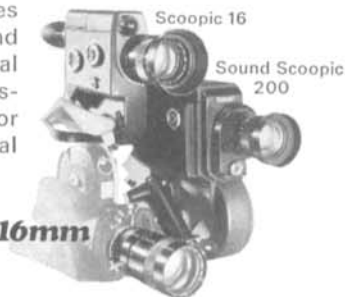


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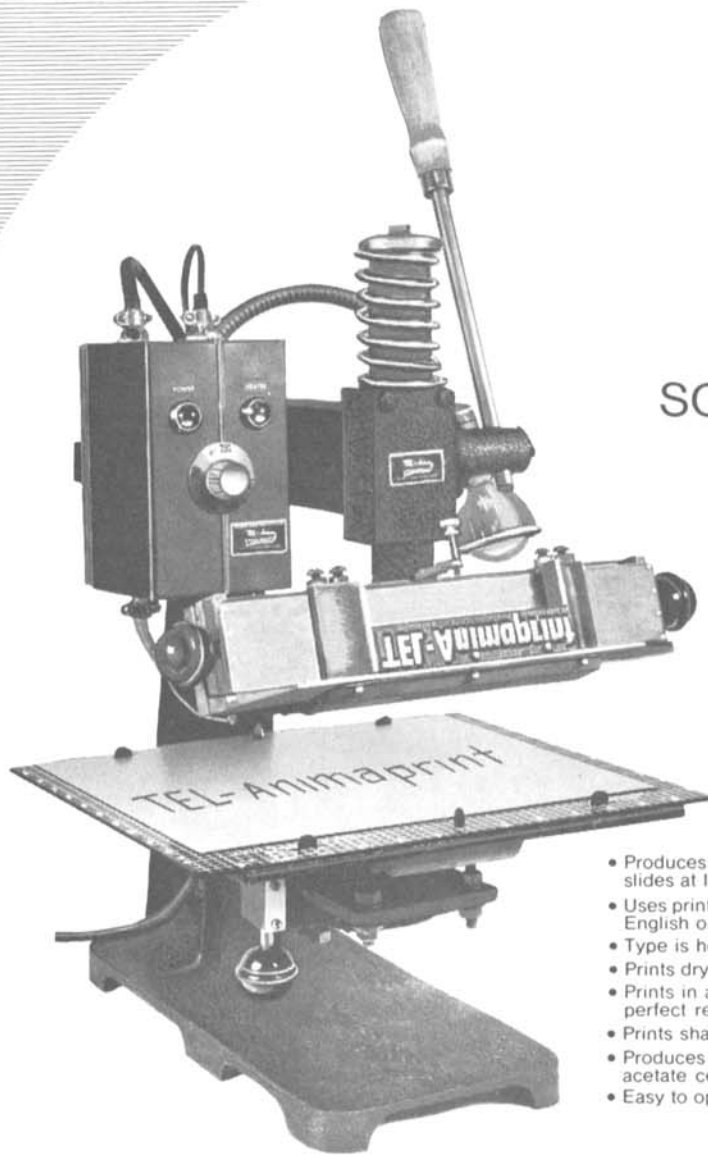
"Sizes, Properties and Reactions of Latent Images." The speakers summarized the most important new findings in the field. They also gave their impressions of the SPSE Symposium on the processes governing latent image formation in silver halide photography where they had each presented a paper. The speakers also discussed the significance of results recently reported on studies of latent image formation. The meeting was preceded by a dinner attended by the speakers and a number of the Section members.—Richard K. Schafer, *Secretary-Treasurer* (Eastman Kodak Co.), 315 Highland Ave., Rochester, NY 14620.

CHICAGO, Oct. 19—The meeting was held at the Motion Picture Dept. of Columbia College with an attendance of 50 members and guests. The speaker was Charles P. Lyman, a member of the faculty, who gave a description of the courses offered by the College. He also discussed the types of students taking the courses, methods of teaching and plans for the future. The audience was then divided into small groups, each group being taken on a guided tour of the Motion Picture Dept.'s facilities. The final event of the evening was the showing of some films made by the students and discussions with the young filmmakers about their films.—Mathias J. Herman, *Secretary-Treasurer* (Geo. W. Colburn Labs), 9104 Birch Ave., Morton Grove, IL 60053.

HOLLYWOOD, Oct. 19—The meeting was held at CBS Television City in Hollywood with an attendance of 145 members and guests. A dinner, held at Frascati's before the meeting, was attended by 35 members of the Hollywood Section. SMPTE President Wilton Holm attended the dinner which was highlighted by the presentation of the Herbert T. Kalmus Medal to Linwood G. Dunn by Mr. Holm. (Mr. Dunn was unable to attend the presentation ceremonies at the Society's Conference in Montreal.) The Medal was awarded to Mr. Dunn for his highly original contributions and innovations in special color film optical printing and the creation of special optical effects for many notable feature films.

Carl Boenish of Photo-Chuting Enterprises was guest speaker at the meeting. He gave an informative paper describing aerial photographic techniques and illustrated it by excerpts from *Sky Divers* and *The Gypsy Moth* as well as excerpts from his film *Sky Capers* which won an award at the Atlanta International Film Festival.—William J. Wade, *Secretary-Treasurer* (Universal City Studios), 12946 Valleyheart Dr., Studio City, CA 91604.

ATLANTA, Oct. 20—The meeting was held at the Eastman Kodak Marketing Center in Atlanta with an attendance of 19 members and guests. The speaker was Glenn M. Berggren, Vice-President of Wil-Kin, Inc., who presented a paper on "Projection Performance of Ten Theaters." The paper had been presented previously at the Society's Conference in Montreal. Mr. Berggren gave the results of his tests of 10 of Atlanta's newer first-run theaters.



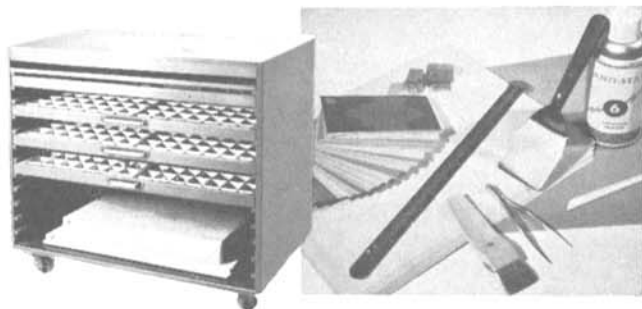
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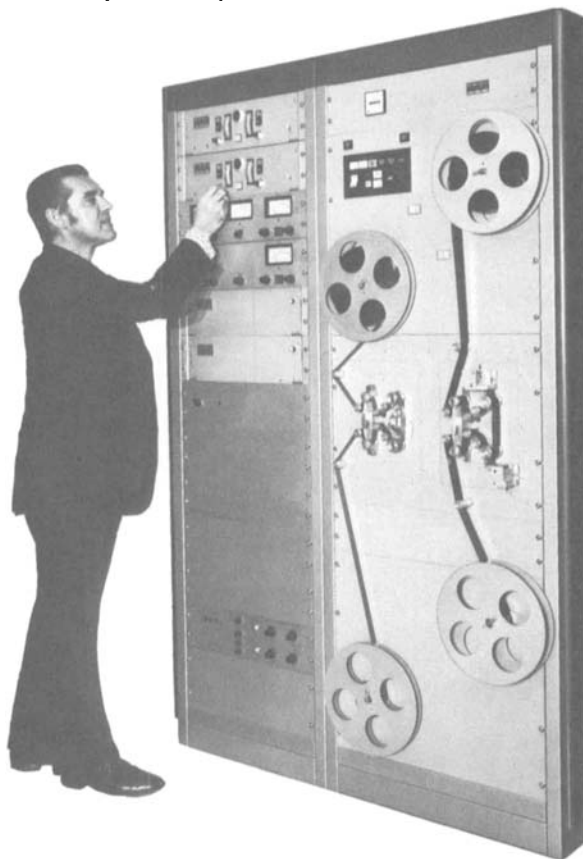
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DALLAS/FORT WORTH, Oct. 21—The meeting was held at Sammy's Restaurant in Dallas as a joint dinner meeting with the Dallas/Fort Worth Section of Information Film Producers of America. The speaker, Warren Skaaren, Executive Director of the Texas Film Commission, was introduced by Section Chairman Leonard F. Coleman. Mr. Skaaren dis-



Warren Skaaren (seated), Executive Director of the Texas Film Commission, and Dallas/Fort Worth Section Chairman Leonard F. Coleman.

cussed the objectives and activities of the Commission in encouraging motion-picture production in Texas and a lively discussion ensued. Section members of both societies who were present at the meeting promised their cooperation and assistance to the Commission and agreed to appoint a joint committee to formulate suggestions to be forwarded to the Commission. Following the dinner, the film, *Apollo 15 — In the Mountains of the Moon*, was shown.—Franklin R. Reinking, *Secretary-Treasurer*, Eastman Kodak Co., 6300 Cedar Springs Rd., Dallas, TX 75235.

DENVER, Oct. 21—The meeting was held at the Mass Communications Building of Denver University. The speaker was Harold Mendelsohn, Professor and Director of Research in the Dept. of Mass Communications, School of Communication Arts. His subject was "Mass Communications as Applied to the Television and Film Media." Dr. Mendelsohn, who is a social psychologist, prominent in his field, and well known as an author and lecturer, gave a very interesting talk on the application of psychology to mass communications and particularly to television. His lively lecture included demonstrations using members of the audience and examples from current television commercials, news programs and entertainment. The question which followed the talk showed the keen interest of those present and the answers were drawn from the speaker's wide experience and background. The program was followed by a social

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period. The meeting was attended by 25 members and guests.—Lester Dunn, *Secretary-Treasurer* (KBTv), 2199 S. Field Way, Lakewood, CO 80227.

AUSTRALIA, Nov. 10—The meeting was held in the Science House on Gloucester St. in Sydney with an attendance of 43 members and guests. The meeting was opened by Chairman Murray H. Stevenson who read messages from officers of the Society in the United States conveying good wishes to the new Section. Guest speaker was John R. Errey of Kodak (Australasia) Pty. Ltd., who presented a paper on "Tone Scale Reproduction Through Film Television Systems." Dr.

Errey discussed the parameters that affect flare, black level, gamma correction and viewing conditions for 16mm color film. A lively discussion followed the talk and after the close of the official meeting members and guests continued their discussions while having tea and biscuits. This was the second meeting of the Australia Section and indications are that subsequent meetings will be even more successful.—Eddy Berlage, *Secretary-Treasurer*, ABC-TV Engineering, Pacific Highway-Gore Hill, Sydney, N.S.W., Australia.

BOSTON, Nov. 10—The meeting was held at the Arthur D. Little auditorium in Cambridge, Mass., with an attendance of

42 members and guests. The speaker was B. R. Clay, of RCA Corp. in Burlington, Mass., whose subject was "A Holographic Display Using a White Light Readout." He gave a description of a new type of airborne map display in full color using white outputs filtered and polarized to project a focused hologram. Annotation can be stamped on in holographic form and coding is on the same hologram, in schlieren form.—Robert A. Rubenstein, *Secretary-Treasurer* (RCA-Computer Systems Div.), 28 Clearview Dr., Framingham, MA 01701.

ROCHESTER, Nov. 11—The meeting consisted of a tour through the facilities of the WOKR-TV Channel 13 local broadcast station. Tour conductors and speakers were George Driscoll and Clyde Parker, both of WOKR. Some 170 members and guests were conducted in small groups through the film processing, news room, video control, telecine VTR and studio areas. The meeting ended in a taped interview between Section Chairman Robert A. Morris and one of the station newscasters.—Richard K. Schafer, *Secretary-Treasurer* (Eastman Kodak Co.), 315 Highland Ave., Rochester, NY 14620.

SAN FRANCISCO, Nov. 11—The meeting, held at CMX Systems in Sunnyvale, Calif. was a joint meeting of the San Francisco Section and the Northern California Chapter of Information Film Producers of America. Some 105 persons attended the joint meeting. The speaker was Kenneth Taylor of CMX Systems who described a new electronic computerized film and videotape editing system. Parts of the system were demonstrated during and after the meeting. Both the number in attendance and the spirited discussions that took place helped make this a most worthwhile program. A pre-meeting dinner held at Bold Knight Restaurant was attended by 27 persons.—Joseph A. Semmelmeier, *Secretary-Treasurer* (Eastman Kodak Co.), 3250 Van Ness Ave., San Francisco, CA 94119.

CHICAGO, Nov. 16—The meeting was held at the Chicago Sheraton Hotel with 33 members and guests present. The speaker was James Taylor, Director of the Chicago Community Film Workshop, who gave an excellent description of the Workshop program. He explained that the Workshop is sponsored by the Office of Economic Opportunity for the purpose of training members of minority groups — both men and women — for work in the motion-picture industry. In addition to other Workshop activities Mr. Taylor has set up an internship program in a few TV stations in the Chicago area. The Chicago Workshop has been in existence since February 1971. Following Mr. Taylor's talk, two 5-min films were shown which had been made by some of the Workshop trainees. A lively discussion followed, concluding an enlightening and interesting meeting. Prior to the meeting a dinner had been held at the Press Club attended by 16 Section members and guests.—Mathias J. Herman, *Secretary-Treasurer* (Geo. W. Colburn Labs), 9104 Birch Ave., Morton Grove, IL 60053.

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HOLLYWOOD, Nov. 16—The meeting was held at the ABC-TV studios in Los Angeles with an attendance of 125 members and guests. The speaker was Jackson W. Granholm, a management consultant who is a mathematician and a physicist. His subject was "Application of a Time Shared Computer to Animation." Mr. Granholm has applied his talents in mathematics and physics to help design a system which enables the planner of animation scenes to undertake complex moves of highly mechanical content which he might not attempt with the usual manual methods of calculation.

The system employs a special typewriter feed-in to an IBM 360/50 computer on a time-shared basis. The input into the computer uses the language common to scene planners, eliminating the need for the scene planner to learn a new computer language. After the scene planner has supplied the input, a print-out sheet is returned to him indicating the appropriate moves and timing which the planner then manually incorporates into the animation table or camera. The technique allows the planner to concentrate on the effect he is trying to create, rather than to spend a lot of time on the execution of those moves, since all the difficult calculations are accomplished for him. Since the system requires manual implementation of the computer print-out information, the need is eliminated for highly sophisticated and costly equipment to control automatically the movements of the animation equipment.

Mr. Granholm's description and explanation, especially in his discussions of the mathematics of animation moves was extremely enlightening and easy to understand.—William J. Wade, *Secretary-Treasurer* (Universal City Studios), 12946 Valleyheart Dr., Studio City, CA 91604.

DETROIT, Nov. 17—The meeting was held at McGregor Conference Center at Wayne State University with an attendance of 30 members and guests. The speaker was Weston E. Vivian of the Vicom Manufacturing Co. who spoke on "Interactive Television." He described person to person, person to group and person to computer communications systems via cable television systems. Existing Vicom systems for home classrooms in Overland Park, Kansas, and quality control in a Michigan automobile plant were discussed and the speaker also described on-going development activities in other fields of communication and information retrieval. A question and answer period followed the talk.—R. L. Renaud, *Secretary-Treasurer*, Browne Renaud Associates, Inc., 2820 W. Maple Rd., Troy, MI 48084.

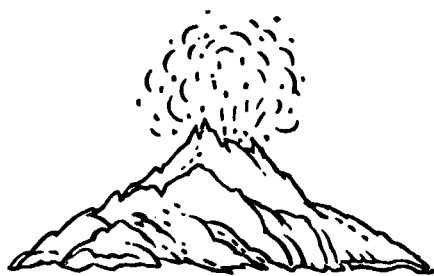
NASHVILLE, Nov. 18—The meeting was held at the studios of WSIX-TV with 60 members and guests present. Speakers were Leroy Wright and Fred M. Samuel, both of Sony Corp. of America, who described and demonstrated the Sony Color Video Cassette. Mr. Wright described the

company's marketing and sales distribution plans for the system and Mr. Samuel demonstrated the machine and answered questions from the audience. A lively question and answer period followed the presentation.—John F. Swanson, *Secretary-Treasurer* (WLAC-TV), 2601 Lincoya Dr., Nashville, TN 37214.

DALLAS/FORT WORTH, Nov. 18—The meeting was held at the Eastman Kodak Co. offices in Dallas with an attendance of 48 members and guests. Chairman Leonard F. Coleman discussed the Winter Television Conference to be held February 4-5 in Dallas. Frank Reinking of Eastman Kodak presented a paper on "A New Reversal Print Film for Low Contrast Originals." The paper, which had previously been presented at the Society's Conference in Montreal, was accompanied by slides and concluded with a demonstration of the new 16mm film.

William Hedden of Calvin Communications, Inc., presented a paper on "Fundamentals of Light and Color." Author of the paper is Ed Ancona of NBC and the paper was presented previously at the joint SMPTE-SPSE tutorial seminar in California. Mr. Hedden is SMPTE Sections Vice-President.

The meeting was concluded with a social gathering with coffee, cookies and soft drinks.—Franklin R. Reinking, *Secretary-Treasurer*, Eastman Kodak Co., 6300 Cedar Springs Rd., Dallas, TX 75235.



Special Effects in Motion Pictures

(Some Methods for
Producing Mechanical
Special Effects)

Frank P. Clark

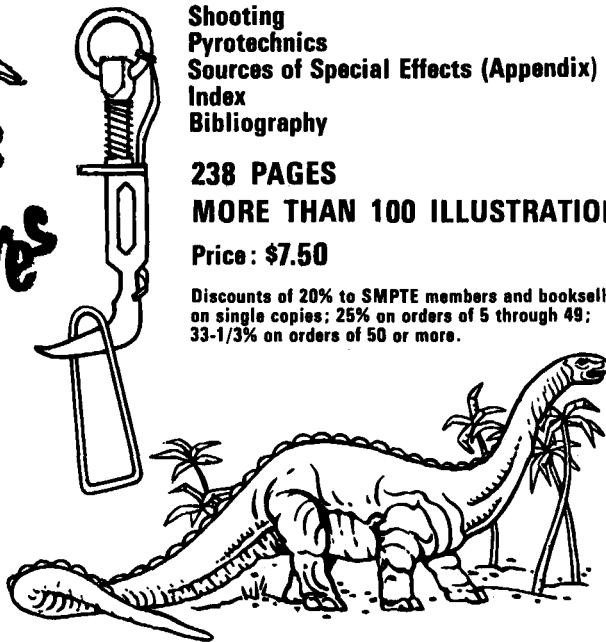
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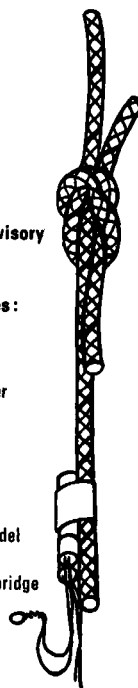
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