



BOSTON, Dec. 1—This was a joint meeting with the Boston chapters of the Society of Photographic Scientists and Engineers, the Society of Photo-Optical Instrumentation Engineers and the Information Film Producers of America. More than 600 persons assembled to hear Linwood G. Dunn, President of Film Effects of Hollywood, speak on "Special Effects Cinematography," among them cinema students from five greater Boston universities. The meeting was held at the Studio Cinema Theater in Belmont, Mass. Mr. Dunn, who is widely known for his skill in creating motion-picture special effects, illustrated his talk with examples of effects in *Androcles and the Lion* (1952), *Gunga Din* (1939), *The Great Race* (1965) and *Hawaii* (1966) among others.—Robert A. Rubenstein, *Secretary-Treasurer* (RCA Computer Systems Div.), 28 Clearview Dr., Framingham, MA 01701.

OHIO, Dec. 2—The meeting was held at Denny Harris, Inc., in Cleveland with an

attendance of 55 members and guests. The speaker was Denny Harris, producer of TV commercials and industrial films, who described and demonstrated the Kem flat table (16mm and 35mm) re-recording system with TV picture readout and high-speed synchronous rewind. With the assistance of his staff Mr. Harris demonstrated several models of Steenbeck and Kem editing tables. The Nagra SN recorder was also demonstrated. A question-and-answer period followed.—Byrl L. Sims, *Secretary-Treasurer*, Ohio State University, Dept. of Photography and Cinema, 156 W. 19th Ave., Columbus, OH 43210.

CHICAGO, Jan. 20—The meeting was held at the Argonne National Laboratory in Argonne, Ill., with an attendance of 110 members and guests. The speaker was Stanley J. Andrews who described the various types of production techniques used by the Argonne Film Production Dept. The talk was illustrated with film clips and slides. A tour of the production facilities was conducted following the talk. The

meeting was preceded by a dinner meeting at the Staff Club of Argonne attended by some 40 members and guests.—Mathias J. Herman, *Secretary-Treasurer* (Geo. W. Colburn Labs), 9104 Birch Ave., Morton Grove, IL 60053.

DENVER, Jan. 25—The meeting was held at the National Bureau of Standards, Boulder, Colo. Speakers were Richard Davis and Kenneth Armstrong. NBS is currently transmitting highly accurate time and frequency information over the facilities of the American Broadcasting Co. on an experimental basis. Time and frequency information is digitally encoded and transmitted on line 1 of the television signal vertical interval from New York. Time accuracy can be of the order of microseconds. The frequency of 1 MHz is coherent with the output of a cesium beam and has its accuracy. In addition there is a 1200 word/min alphanumeric capability.

Mr. Davis very ably described a few of the innumerable uses each of the services is capable of providing, including primary frequency standard reference for scientific users, accurate time available for the home viewer, titling added to a TV picture for viewers with impaired hearing and other possibilities.

Mr. Armstrong presented some spectacular demonstrations of the cryogenics work being done at NBS—Lester Dunn, *Chairman*, (KBTW), 2199 S. Field Way, Lakewood, CO 80227.



Special Effects in Motion Pictures

(Some Methods for
Producing Mechanical
Special Effects)

Frank P. Clark

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The Application of Special Effects
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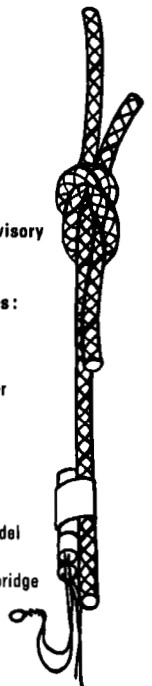
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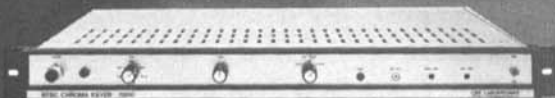
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