



## Progress Report Volunteers

The Progress Report Committee is in urgent need of volunteers to contribute information on various areas of the expanding industries. Three subjects in particular should be covered:

- (1) New microphones and techniques;
- (2) New lighting techniques; and
- (3) Transistor equipment for TV and motion-picture use.

Also, expression of opinion is invited as to other subjects that might be reported upon in future Progress Reports. Anyone who will volunteer to become a member of this important Committee, or who wishes to suggest additional subjects for the Report, is requested to write to the Committee's Chairman, Lloyd Thompson, The Calvin Co., 1105 Truman Rd., Kansas City 6, Mo.

## SPIE Meeting

The Third Annual Exhiborama and National Symposium of the Society of Photographic Instrumentation Engineers was held in Los Angeles, July 29-Aug. 1. The program included four classified sessions of which two were confidential and two

were secret. The final session, which was classified as secret, included a field trip to the Naval Air Missile Test Center, Point Mugu, Calif., with a tour of the instrumentation and range facilities.

An especially interesting Panel Forum was conducted the afternoon of July 30. Although it was described by the, perhaps misleading, title of "Nonsense-Itometry" it developed into a serious and enlightened discussion of the retrieval and enhancement of the photo image by techniques employing effects associated with the nonlinear regions of the H&D curves. It was recognized that there is a lack of established data on these phenomena, particularly at low exposure levels and intensified development where the behavior of the film is not well defined. Moderator of the Panel was Carlos Elmer, Traid Corp. Panel members were: Norwood Simmons, Eastman Kodak; Hollis Moyses, du Pont; Ed Dowell, Gaevert; and Robert Harbison, Ilford.

Unclassified sessions were recorded and duplicate tapes ordered in writing at the time of the meeting are the means by which SPIE publishes its proceedings. Further information is available from SPIE Secretary, Stanley E. Baker, 8321 Keokuk Ave., Canoga Park, Calif.



**R. Edward Warn, Vice-President and General Manager of Westrex**

**Completed purchase of Westrex Corp.** from Western Electric Co. by Litton Industries Inc., 336 N. Foothill Rd., Beverly Hills, Calif., has been announced. Preliminary negotiations were made last spring (*Journal*, May 1958, p. 350). At that time it was announced that the purchase would be completed after agreement had been reached on such matters as patent license arrangements and continuation of the Westrex Employee Benefit Plan.

Under terms of the final agreement Westrex has become the outlet for a line of tropospheric and ionospheric scatter relay equipment for over-the-horizon communication and a new line of communication power wire and cable. Other Litton communication equipment will be distributed through Westrex's 19 foreign offices.

Members of the Westrex Board are: R. Edward Warn, Harry Allinsmith and Roland Colistra, from the Westrex organization; Charles B. Thornton, President and Chairman of Litton, and Roy L. Ash, Glen McDaniel and Fred Sullivan, Litton Vice-Presidents. Mr. McDaniel is now President of Westrex and Mr. Warn is Vice-President and General Manager. Frank A. Ungro, who was Executive Vice-President of Westrex under Western Electric ownership, has been named Assistant Treasurer.

The sale was approved by the U.S. District Court of New Jersey in accordance with the findings of the court in the case of U.S. vs. American Telephone and Telegraph Co. and Western Electric, Jan. 24, 1956.

Westrex employs more than 1200 persons, 1000 of them overseas; an assembly plant is maintained in England. The firm's gross income for 1957 was \$13,000,000.

**The Artscope animation process** will be used by the East Coast Studios of Westworld Artists Productions Inc., 41 W. 57 St., New York, for cartoon series and feature length cartoon films. The process makes use of specially photographed and processed film which is converted into line images.

## Education, Industry News

A course in *Magnetic Video-Tape Recording of Television* (806ABC) is being conducted by the Engineering Extension of the Univ. of Calif., Los Angeles 24, in cooperation with SMPTE. The series of 18 weekly lectures began Sept. 24 and will continue through Feb. 4, 1959. Instructors are: John T. Allen, Supervisor of Television Recording, ABC, Hollywood; Charles Anderson, Development Engineer, Ampex Corp. Redwood City, Calif.; Fred Gayton, Video-Tape Maintenance Eng., CBS Television City; Wayne Johnson, Mincom Div., Minnesota Mining and Mfg. Co., Los Angeles; William McDaniel, Branch Manager, RCA Service Co., Burbank, Calif.; Russ Nies, Video-Tape Eng., NBC, Burbank, Calif.; William Powell, Training Administrator, Western Region, RCA Service Co.; William Stanton, Instructor in Electronics, Orange Coast College, Costa Mesa, Calif.; Martin Thibeau, Video-Tape Maintenance Eng., ABC, Hollywood; Robert A. Von Behren, Manager of Research and Development, Magnetic Products Div., Minnesota Mining and Manufacturing Co., St. Paul, Minn.

Titles of the lectures and dates are: Review of Fundamental Electrical Circuit Concepts, Sept 24; Review of Magnetic Recording Theory, Oct. 1; Modulation and

Demodulation Principles, Oct. 8; Monochrome Television Signal Formation, Oct. 15; Color Television Signal Formation, Oct. 22; Magnetic Recording Systems Requiring High Tape Speed, Oct. 29; Introduction of the Ampex System of Video-Tape Recording, Nov. 5; Modulation and Demodulation in Video-Tape Recording, Nov. 12; Rotary Head Switching Techniques, Nov. 19; Servo Control Systems Employed in the Ampex VR-1000 Videotape Recorder, Nov. 26; Audio System Employed in the Ampex VR-1000 Videotape Recorder, Dec. 3; Electronic Conversion to Color Recording with the Ampex VR-1000 Videotape Recorder, Dec. 10; General Description of the RCA TRT-1AC Video-Tape Recorder, Dec. 17; Modulation and Demodulation Techniques Utilized in the RCA TRT-1AC Video-Tape Recorder, Jan. 7, 1959; Color Processing Techniques in the RCA TRT-1AC Video-Tape Recorder, Jan. 14; Field Trip to NBC Burbank Video-Tape Plant, Jan. 21; Parameters of the Video-Tape Medium Affecting Picture and Sound Quality, Jan. 28; Editing Techniques and Commercial Applications of Video-Tape Recording, Feb. 4.

Course Coordinator is Ralph E. Lovell, Assistant Video-Tape Supervisor, National Broadcasting Co., Burbank, Calif.