

How To Make Your Super 8 Equipment Run Properly.

If proper presentation of your Super 8 films is important to you, then your equipment must be in perfect condition. To learn how well your Super 8 system performs, you'll need an SMPTE Test Film.

There are two basic types of test film. The first, for projection performance — picture only, is the **SMPTE 8mm Registration Test Film** (50 or 100 ft). This film has no sound track. Its purpose is to measure and help you adjust the optical and mechanical performance of your projection equipment. The patterns are designed to measure and adjust aperture size and position, jump, weave, travel ghost, lens focus, and film buckling.

The second type is for Super 8 Magnetic Sound. There are four all together, each of which was recorded on full-coat magnetic stock with a Super 8mm .1667-in pitch, and contains a 24-mil record in the edge track position.

The four films now available are:

- 1. Azimuth Alignment Test Film (50 ft)** which is used to align the azimuth position of the recording and reproducing heads on magnetic sound equipment.
- 2. Flutter Test Film (50 ft)** to measure flutter introduced by sound reproducers, contains an original recording with extremely low flutter content.
- 3. Signal Level Test Film (50 ft)** helps measure and balance the power level output from motion picture sound reproducers. The recorded level does not in itself indicate a program level, but provides a reproducible reference from which a recommended program level can be determined.
- 4. Multifrequency Test Film (100 ft)** is used for testing and adjusting motion picture sound reproducers and projectors. It is calibrated, and correction factors are supplied with each film.

For further information, please mail the coupon immediately.

SMPTE Test Films

Society of Motion Picture and
Television Engineers
Test Film Dept.
862 Scarsdale Ave.
Scarsdale, NY 10583

Please send me information on:

- Registration Test Film
 Flutter Test Film Azimuth Alignment
 Multifrequency Signal Level

Name _____

Co. or organization _____

Address _____

City _____

State _____ Zip _____

Forthcoming Professional Meetings

Laser Technology: Fundamentals and Applications, a new seminar presented by the New York University School of Continuing Education, will be held 13-14 February 1978 in Atlanta; 10-11 April 1978 in Los Angeles; and 12-13 June 1978 in Chicago. The seminar is intended to provide essential background information on the laser and its applications, and a discussion of the safe use of the laser. Further information is available from Heidi E. Kaplan, Dept. 14NR, New York Management Center, 360 Lexington Ave., New York, NY 10017.

The Association for Multi-Image (AMI) will hold its fourth national workshop on Multi-Image Production 16-19 February at Santa Fe Community College in Gainesville, Fla. Highlights of the program will include a review of the development of the art of Multi-Image, presentation of group multi-image projects and question-and-answer sessions. The workshop will include in-depth hands-on sessions. Further information is available from Ron Slawson, AMI, 947 Old York Rd., Abington, PA 19001.

Rochester Institute of Technology, College of Graphic Arts & Photography, One Lomb Memorial Dr., Rochester, NY 14623, has announced its Photographic Science Seminar to be held 27 Feb.-3 Mar. 1978. The intensive five-day program is designed to assist engineers, scientists and technicians in applying photographic technology to the acquisition of data and to provide information on the photographic process necessary in the employment of photographic technology. Topics to be discussed include Sensitometry; Statistics; Chemistry; Image Evaluation; Color; Non-Silver Image Forming Systems; and Photographic Apparatus and Instrumentation.

Laser Beam Information Systems, a three-day intensive seminar, will be held 6-8 March 1978 under the auspices of the University of Chicago. The Seminar Leader is Leo Beiser. Topics to be discussed include Adapting the Laser to Usable Information Systems; Characteristics of the Laser in Information Systems; Optical Beam Manipulation and Control; Laser Beam Deflection Principles and Methods; Laser Beam Deflection Techniques; Sensing, Detection and Storage Media; Information Factors and System Synthesis; and Applications. Further information is available from the University of Chicago, Center for Continuing Education, 1307 E. 60 St., Chicago, IL 60637.

The Society of Photo-Optical Instrumentation Engineers has announced a seminar on Photo- and Electro-Optics in Range Instrumentation to be held 13-14 March 1978 at the Ramada Inn, Fort Walton Beach, Fla. Topics to be discussed include Ranging, Tracking, Data Conversion, Calibration, Image Processing, Atmospheric Effects, and Infrared and Video Methods. Further information is available from SPIE, P.O. Box 10, Bellingham, WA 98225.

The 7th International Broadcasting Convention will be held 25-29 September 1978 at the Wembley Conference Centre in London, sponsored by the SMPTE, Electronic Engineering Association, Institution of Electrical Engineers, Institute of Electrical and Electronics Engineers, Institution of Electronic and Radio Engineers, and the Royal Television Society. The Technical program will cover new techniques, systems and developments of interest to engineers concerned with all aspects of sound and television broadcasting, both analog and digital. Topics to be covered in the technical sessions will include microprocessors and minicomputers in broadcasting; low-budget broadcasting systems; satellite broadcasting and distribution systems; studio lighting technology; propagation and service planning; transmitters, transposers and aerials; lightweight program equipment; sound systems, stereo and quadrasonic; television cameras, electronic graphics, visual effects and other studio equipment; video and audio recording and storage; new broadcasting systems (e.g. teletext and traffic information); audio and video measurement technology; and future possibilities in receiver design. Further information is available from The Secretariat, International Broadcasting Convention, IEE, Savoy Place, London, United Kingdom WC2R 0BL.

SMPTE Technical Conferences

3-4 February 1978
SMPTE Television Conference, Sheraton
Atlanta Hotel, Atlanta, Ga. Info from
SMPTE Headquarters.

29 October-3 November 1978
SMPTE Technical Conference and
Equipment Exhibit, Americana Hotel,
New York City. Info from SMPTE
Headquarters.

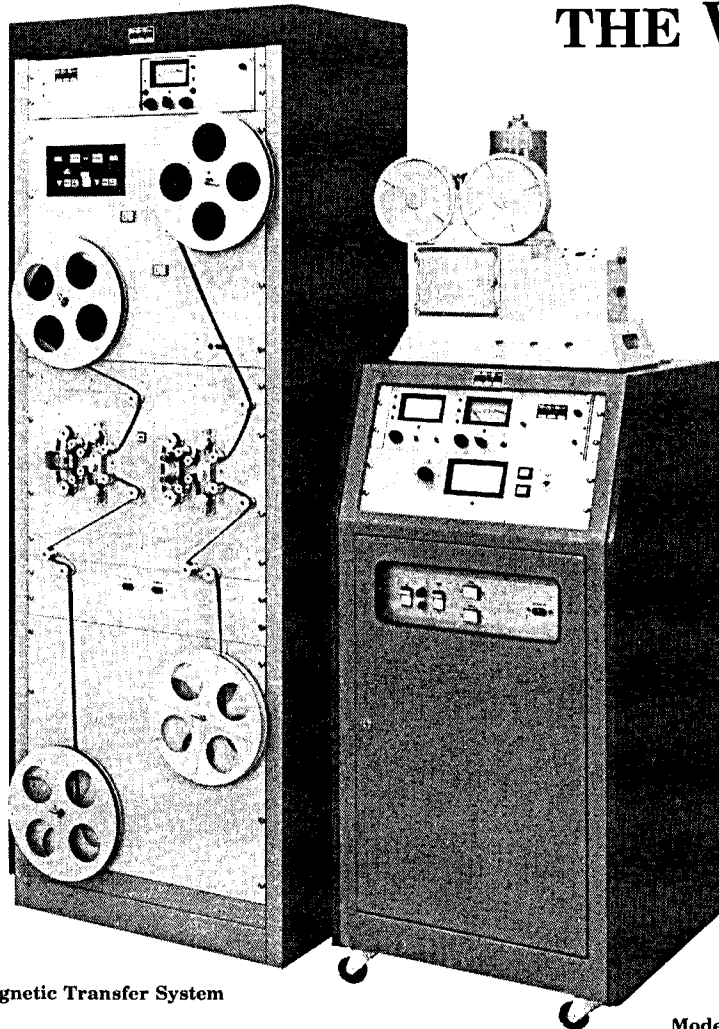
Calendar

6-8 December 1977
CINE Meeting, Mayflower Hotel, Washington,
D.C. Info from Council on International Non-
theatrical Events, 1201 16th St., N.W., Wash-
ington, DC 20036.

13-16 December 1977
Acoustical Society of America, 94th meeting,
Carillon Hotel, Miami Beach, Fla. Info from
Acoustical Soc. of America, 335 E. 45 St., New
York, NY 10017 (See *Journal*, p. 796, Oct.
1977.)

3-13 January 1978
Optical Science and Engineering Short Course,
Tucson, Ariz. Info from Prof. Philip N. Slater,
Optical Systems and Short Courses Inc., P.O.
Box 18667, Tucson, AZ 85731.

IF YOU DO SINGLE-SYSTEM SOUND WORK, YOU SHOULD KNOW ABOUT THE WRE 1600.



Model 1600 Magnetic Transfer System

Model 600 Optical Sound Recorder

SUSTAINING
SMPTE
MEMBER

The 1600 is really three systems in one . . . a dubber, recorder, and a transfer system.

Here's a system that allows you the convenience of single-system sound shooting and the freedom of double-system editing, in either 16mm or S-8.

You can play back your original for a sound quality check. Transfer your original sound to full coat mag film. And you can transfer the master sound to your release prints. With the companion Model 600 you can make optical sound tracks (electro-printing, positive or negative).

The 1600 is available in just about any track and film

configuration for mag striped release film and full coat material in 16mm and S-8. And the transports are designed to handle originals and release prints without damage.

Some of the available options are; Pickup Record Electronics, High Speed operation, Multi-channel and combination units, Interlock and Sync/interlock motor drive systems.

For full information on the 1600 and how it can make your job a lot easier, call or write today.

INTERNATIONAL REPRESENTATIVES

Hoei Sangyo Co., Ltd.—Nihonbashi Bldg., 4,
Kobunacho 2-Chome, Nihonbashi, CHUO-KU, Tokyo 103, Japan
G.T.C. Film-und Fernseh—Studiotechnik GmbH,
207 Ahrensburg, Rosenweg 7a, West Germany
Alex L. Clark, Ltd.—30 Dorchester Avenue,
Toronto, Ontario Canada M8Z 4W6



2119 Schuetz Road • St. Louis, MO. 63141 U.S.A. • 314 567-5366 • Telex: 442560
West Coast Office: 1144 North Las Palmas Ave. • Hollywood, CA. 90038 • 213 463-7311

9-10 January 1978

One-to-One Video Programming Seminar, Philadelphia, Pa. Info from William H. Scibel, Temple University, Annenberg 18, 13th and Norris Sts., Philadelphia, PA 19122. (See *Journal*, p. 796, Oct. 1977.)

12-17 January 1978

NAVA Convention, Houston, Tex. Info from National Audio-Visual Assn., 3150 Spring St., Fairfax, VA 22030. (See *Journal*, p. 852, Nov. 1977.)

16-18 January 1978

OSA Meeting on Integrated and Guided Wave Optics, Salt Lake City, Ut. Info from Optical Society of America, 2000 L St., N.W., Washington, DC 20036.

3-4 February 1978

SMPTTE Television Conference, Sheraton-Atlanta Hotel, Atlanta, Ga., Info from SMPTTE Headquarters.

5-8 February 1978

Objectives of Pictorial Color Reproduction Conference, Williamsburg, Va. Info from Inter-Society Color Council, Inc., Office of Secretary, Fred W. Billmeyer, Jr., Rensselaer Polytechnic Institute, Troy, NY 12181.

7-9 February 1978

Conference on Laser and Electro-Optical Systems, Town and Country Hotel, San Diego, Calif. Info from Jarus W. Quinn, Executive Director, Optical Soc. of America, Suite 620, 2000 L St., N.W., Washington, DC 20036. (See *Journal*, p. 852, Nov. 1977.)

13-14 February 1978

Laser Technology, Seminar, Atlanta, Ga. Info from Heidi E. Kaplan, Dept. 14NR, New York Management Center, 360 Lexington Ave., New York, NY 10017.

15-17 February 1978

IEEE Solid State Circuits Conference, San Francisco, Calif. Info from Lewis Winner, 152 W. 42 St., New York, NY 10036.

16-19 February 1978

Association for Multi-Image, Workshop, Gainesville, Fla. Info from Ron Slawson, AMI, 947 Old York Rd., Abington, PA 19001. (See above.)

17 February 1978

Midwest Film Conference, Mariott O'Hare Hotel, Chicago. Info from Bruce Trinz, 308 B Frontage Rd., Northfield, IL 60093. (See *Journal*, p. 574, August 1977.)

19-22 February 1978

American Film Trade Exposition, Bonaventure Hotel, Los Angeles. Info from Jerry Feifer, c/o The Hollywood Reporter, 6715 Sunset Blvd., Hollywood, CA 90028.

27 February-3 March 1978

RIT Photographic Science Seminar, Rochester, NY 14623. (See above.)

6-8 March 1978

Laser Beam Information Seminar, University of Chicago. Info from University of Chicago Center for Continuing Education, 1307 E. 60 St., Chicago, IL 60637 (See above.)

6-8 March 1978

Preservation and Restoration of Photographic Images, RIT. Info from William D. Siegfried, College of Graphic Arts and Photography, Rochester Institute of Technology, One Lomb Memorial Dr., Rochester, NY 14623. (See *Journal*, p. 796, Oct. 1977.)

13-14 March 1978

Photo- and Electro-Optics in Range Instrumentation, Ramada Inn, Fort Walton Beach, Fla., Info from SPIE, P.O. Box 10, Bellingham, WA 98225. (See above.)

27-31 March 1978

ITVA Conference, Kansas City, Mo. Info from Ron Brown, International Offices, P.O. Box 297, Summit, NJ 07901. (See *Journal*, p. 512, July 1977.)

18-20 April 1978

Information Display International Symposium, San Francisco. Info from Society for Information Display, 654 N. Sepulveda Blvd., Los Angeles, CA 90049. (See *Journal*, p. 852, Nov. 1977.)

20-26 April 1978

12th International Symposium on Remote Sensing of Environment, Manila, Philippines. Info from Center for Remote Sensing Information and Analysis, P.O. Box 618, Ann Arbor, MI 48107. (See *Journal*, p. 852, Nov. 1977.)

24-26 May 1978

Topical Meeting on Picosecond Phenomena, Holiday Inn, Hilton Head Island, South Carolina. Info from Optical Soc. of America, 2000 L St., N.W., Washington, DC 20036.

30 April-5 May 1978

SPSE 31st Annual Conference, Sheraton Park Hotel, Washington, D.C. Info from Soc. Photographic Scientists and Engineers, 1411 K St., N.W., Washington, DC 20005.

29 May-1 June 1978

10th International Quantum Electronics Conference, Atlanta, Ga. Info from Lewis Winner, 301 Almeria Ave., Coral Gables, FL 33134

30 May-1 June 1978

Euro Comm 78 Advanced Communications Conference and Exhibition, Bella Center, Copenhagen. Info from Euro Comm 78, Bell Center A/S, Center Blvd., DK-2300, Copenhagen S, Denmark.

20-25 August 1978

13th International Congress on High-Speed Photography and Photonics, Tokyo, Japan. Info from The Organizing Committee, 13th International Congress on High-Speed Photography and Photonics, c/o Japan Society of Precision Engineering, Ceramics Building, 2-22-17 Hyakunin-cho, Shinjuku-ku, Tokyo 160, Japan. (See *Journal*, p. 230, Apr. 1977.)

20-26 August 1978

International Congress of Photographic Science, Rochester Institute of Technology. Info from George Bird, School of Chemistry, Rutgers University, New Brunswick, NJ 08903.

25-29 September 1978

International Broadcasting Convention, Wembley Conference Centre, North West London. Info from The Secretariat, IEE, Savoy Pl., London, England WC2R OBL. (See *Journal*, p. 898, Nov. 1976; also above.)

Industry News & Educational Activities

CINE (Council on International Nontheatrical Events), the voluntary, nonprofit organization that selects the best United States short films for entry in film festivals abroad, has announced the results of its 1977 Fall Competition. A total of 142 Golden Eagle Certificates and 17 CINE Eagle Certificates were awarded to U.S. filmmakers who participated in the Competition. The Golden Eagle Certificates were presented to producers and sponsors at CINE's Annual Awards Ceremonies on 7 December. The CINE Eagle Certificates (for amateur productions) were presented at a special ceremony on 8 December.

Formation of Training Technology Co., a new organization offering intensive training seminars on audio and video system maintenance, has been announced by David B. Schein, former Training Manager for International Video Corp. The firm's address is P.O. Box 787, Springfield, OH 45501.

Digital Troubleshooting, a color videotape program with accompanying textbook and lab workbook designed to provide training in the field of digital instrumentation, is available in an updated version from Hewlett-Packard, 1501

Page Mill Rd., Palo Alto, CA 94304. Said to be equivalent in coverage to a two-day live seminar, the program, consisting of 14 videocassettes, has a running time of 5 h and 31 min. Included in the course is a 180-page textbook, lab workbook and study guide. The program is designed to provide instruction for individuals learning digital troubleshooting for the first time and for technicians needing a refresher course in digital (versus analog) techniques. Topics discussed in the tapes include an introduction to digital electronics and the binary system; the basics of transistors and ICs; logic gates and symbols, digital IC families; troubleshooting digital ICs; flip flops; counters; shift registers; combinational logic circuits; display technologies; and IC manufacturing and memories.

Each videotape is available in a 3/4-in videocassette. Other formats can be supplied on request. The videocassettes may be purchased individually at prices ranging from \$250 to \$375. The text, *Digital Troubleshooting*, is priced at \$9.95. The lab workbook, *Digital Experiments*, is priced at \$8.95. The entire course (14 tapes, textbooks and study guide) is priced at \$3600.

The Rank Organisation has announced that its subsidiary, Rank Precision Industries, has ac-