

a signal of the correct frequency and of suitable amplitude, variations from constant speed of the recording and/or reproducing machine can be measured. The instrument operates at a nominal carrier frequency of 3000 cycles/sec, but will tolerate up to 5% variation in mean carrier frequency, thus enabling measurements to be made on machines that are running off speed, or using film of disks whose recorded 3000-cycle tone is inaccurate.

The meter consists of a narrow-band amplifier, a limiter, a discriminator and detector, and a metering system, the whole unit being self-contained with its own power supplies. The input amplifier is tuned to 3000 cycles/sec and has a bandwidth of 1000 cycles/sec. It is provided with an input control for adjusting signal level. An amplitude limiter, which eliminates effects caused by signal level variations, is followed by a power amplifier which drives a discriminator operating at a mean frequency of 3 kc. The discriminator may be tuned from 2850 to 3150 cycles/sec to accommodate variations in mean carrier frequency. The error in the input frequency expressed as a percentage of speed is indicated on a scale. The input signal level at the discriminator, which is set up on a meter by means of a control in the limiter circuit, is maintained constant by the limiter.

The Gaumont-Kalee Flutter Meter is distributed in the U.S. by S.O.S. Cinema Supply Corp., 602 West 52d St., New York 19.

## Employment Service

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These notices are published for the service of the membership and the field. They are inserted for three months, at no charge to the member. The Society's address cannot be used for replies.

### Positions Wanted

**Motion-Picture Television Technician:** 10 yr intensive skill and know-how related to 16-35mm cinematography, animation, recording (optical, tape, disk), editing, laboratory processing practice (black-and-white, color); also kinescope recording techniques; self-reliant; inventive; relocate if required; write: CMC, Technical Associates, 60 East 42d St., New York 17, N.Y.

**Motion-Picture Cameraman:** Retiring from Naval Service. 15 yr experience in camera operation, printing, processing, adm. and supervision of production crews. Desires position in TV, educational or industrial field, inaugurating a motion-picture program. Available after May 1954. Prefer West Coast. Write: W. W. Collier, 422 W. Jackson Ave., Warrington, Fla.

### Positions Available

**Wanted: Sound Engineer** for New York film production studio, operation and maintenance on optical and magnetic sound equipment; electronics background essential. Send résumé to R. Sherman, 858 West End Ave., New York, N.Y.

**Technical Photographer**, age 27 to 38, for senior position with large California industrial research organization. Should be conversant with contemporary techniques for recording data; acquainted with microscopy, graphic arts and color processes. Job involves application of photographic techniques as experimental tool in research projects. Administrative experience helpful. Excellent career opportunity for an ingenious and inventive person. Retirement pension and other benefit plans. Application held in strict confidence. Write giving personal data, education and experience to Henry Helbig and Associates, Placement Consultants, Examiner Bldg., 3d and Market Sts., San Francisco 3, Calif.

**Sound Engineer:** Complete responsibility for sound control, including printing, processing, maintenance of standards, etc. Tri Art Color Corp., 245 West 55th St., New York 19, N.Y.

**Motion-Picture Supervisor, GS-8:** Duties as Chief of Motion Picture Section to include all phases of aeromedical research cinematography. Experience in planning, directing, lighting, color control, recording in single or double-system sound. Laboratory work requires experience with sensitometric control equipment, contact printers, automatic processors, Moviola, sound synchronization equipment, titlers, etc. For detailed information write: Photography Officer, USAF School of Aviation Medicine, Randolph Field, Texas.

**Motion-Picture Sound Transmission Installer and Repairer**, for the Signal Corps Pictorial Center, Long Island City, N. Y.—one at \$2.59/hr; one at \$2.29/hr (40-hr week). Applicants for \$2.29/hr position must have had 4½ yr progressively responsible experience in the construction, installation and maintenance of electronic equipment, of which at least 1½ yr must have been in the specialized field of motion-picture film, disk or magnetic sound recording or reproducing equipment. Applicants for \$2.59/hr position must have had at least 5 yr responsible experience in the design, development and installation of electronic equipment, of which at least 2 yr must have been in the specialized field of motion-picture film, disk or magnetic sound recording or reproducing equipment. Must be familiar with filter design and transmission testing, involving the use of a wide variety of testing and measuring

devices. Each year of study successfully completed in a residence school above high school level in electrical, electronic or radio engineering, may be substituted for the general, but not the specialized experience indicated above, at the rate of one scholastic year for each 9 mo. of experience. All applicants must be familiar with Western Electric and RCA systems. Obtain Form SF 57 at any first class Post Office or Government Agency; forward or bring completed form to Civilian Personnel Division, Signal Corps Pictorial Center, 35-11 35th Ave., Long Island City, N.Y.

**Photographic Engineer:** Wanted for design and development work involving application of film and associated equipment to monochrome and color TV systems. Prerequisites are BS or equivalent, and experience in at least one of the following motion-picture fields: (a) TV film applications, (b) processing laboratory design and operation, (c) camera and projector design or (d) sensitometry and densitometry. Please send résumé to Personnel Dept., CBS Television, 485 Madison Ave., New York 22, N.Y.

**Sales Management Engineer:** To head division manufacturing single optical track stereo sound system. Already adopted by major studio. Position requires knowledge of theater sound systems here and abroad. Reply to: Fairchild, Rm. 4628, 30 Rockefeller Plaza, New York 20, N.Y.

**Engineer:** To direct engineering of flying-spot TV projector with millisecond pulldown mechanism. Mechanism already developed and working. Reply to: Fairchild, Rm. 4628, 30 Rockefeller Plaza, New York 20, N.Y.

**Wanted — Consultant technician:** Thorough knowledge of Houston continuous double-head printer, Houston developing machines, Bell & Howell printers and Debie Matipo step printer. Must put machines in running order and train operating personnel. Usual per day rate and plane fare to Puerto Rico. Address replies to R. J. Faust, Chief, Cinema Section, Dept. of Education, Commonwealth of Puerto Rico, Division of Community Education, P. O. Box 432, San Juan, Puerto Rico.

**Wanted — Engineer for N.Y. Film Processing Lab:** Opportunity for experienced individual to direct maintenance and engineering of color/-B&W printing and processing equipment. Submit complete résumé (replies strictly confidential) to: Irwin Young, Du-Art Film Laboratories, Inc., 245 W. 55 St., New York 19, N.Y.

**Permanent Position:** Open for versatile 16mm cameraman familiar with all phases of industrial production. Write McLarty Picture Productions, 45 Stanley St., Buffalo 6, N.Y.

## Meetings

National Electrical Manufacturers Assn., Mar. 8-11, Edgewater Beach Hotel, Chicago, Ill.

Radio Engineering Show and I.R.E. National Convention, Mar. 22-25, Hotel Waldorf Astoria, New York

Optical Society of America, Mar. 25-27, New York

**The International Sound Track Recording Convention** has been announced by the Association of Radioelectricians, 10 Ave. Pierre Larousse, Malakoff (Seine), France, to be held in Paris, April 5-10, 1954, on sound-track recording processes and their extension to other fields of application. Radio and television networks and the motion-picture industry will participate with technical papers, an exhibition of equipment, and tours of plants and technical centers. Problems of standardization will be discussed.

The Calvin Eighth Annual Workshop, Apr. 12-14, The Calvin Co., Kansas City, Mo.

International Symposium on Information Networks (information from Microwave Research Institute, Polytechnic Institute of Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.), April 12-14, Engineering Societies' Building, New York Society of Motion Picture and Television Engineers, Central Section, Spring Meeting, Apr. 15, The Calvin Co. Sound Stage, Kansas City, Mo.

**75th Semiannual Convention of the SMPTE, May 3-7, Hotel Statler, Washington**

American Institute of Electrical Engineers, Summer General Meeting, June 21-25, Los Angeles, Calif.

Acoustical Society of America, June 22-26, Hotel Statler, New York

Illuminating Engineering Society, National Technical Conference, Sept. 12-16, Chalfonte-Haddon Hall, Atlantic City, N.J.

Photographic Society of America, Annual Meeting, Oct. 5-9, Drake Hotel, Chicago, Ill.

American Institute of Electrical Engineers, Fall General Meeting, Oct. 11-15, Chicago, Ill.

**76th Semiannual Convention of the SMPTE, Oct. 18-22, Ambassador Hotel, Los Angeles**

**77th Semiannual Convention of the SMPTE, Apr. 17-22, 1955 (next year), Drake Hotel, Chicago**

**The International Commission on Illumination** is to hold its next international conference in Zürich, Switzerland, June 13-22, 1955 (next year). Offers of papers should be addressed to the Chairman of the Papers Committee (A. A. Brainerd), 1015 Chestnut St., Philadelphia 7. Manuscripts must be in the hands of the Central Bureau between Oct. 1 and Dec. 31, 1954.

**78th Semiannual Convention of the SMPTE, Oct. 3-7, 1955 (next year), Lake Placid Club, Essex County, N.Y.**