

low 700 nm and above 1200 nm. Other filters are available for various requirements.

A high-speed gated photomultiplier that makes possible the tracing of single-pulse lasers on real-time oscilloscopes has been announced by Nucleonic Products Co., 6660 Variel Ave., Canoga Park, CA 91303. It is manufactured by Instrument Technology Ltd., 67 Lower Rd., Kenley, Surrey, England. The instrument has a current density at the anode of 100 mA and it also provides sub-nanosecond time response, low dynode noise and gating facilities in the nanosecond region. The dynode arrangement enables transit time spread to be reduced to give a rise time of only 0.5 ns while the secondary emission yield of about three secondaries per primary is adequate to reduce dynode noise to negligible proportions.

Under pulsed conditions the photocurrent may be as high as 100 μ A which improves SNR by avoiding the effects of shot noise. The gate allows the instrument to be shut off during the unwanted portion of the signal thus eliminating fatigue and saturation. The ultraviolet transmitting window allows operation from 2,000 Å to 1 μ m wavelength with the correct spectral response. The instrument is capable of delivering 5 V into a 50- Ω load. The coaxial design has matching impedance allowing the temporal response to be realized and displayed on a real-time oscilloscope without a signal distortion. Gain, which is not less than 1,000, may be increased at the expense of rise time by adding further dynode stages. The photomultiplier can be operated with or without the gating mesh. The instrument weighs about 2 lb. It is priced at about \$1,500.

CLASSIFIED ADVERTISING

First 3 lines \$10.00

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per inch \$26.00

Retiring from the motion picture laboratory business, all 16mm equipment for sale, processors, printers, studio and sound gear, Maurer optical recorder and film phono system, Hollywood edge number unit, etc. Written inquiries invited. Film Services, Inc., 113-19 W. Hubbard, Chicago, IL 60610

Sound Mixer-Technician. For top position with leading producers service lab. Latest and most sophisticated film transports, recorders and electronics now installed in our Pittsburgh studios. If you believe you can qualify for this important position, please get in touch with us as soon as possible. Call or write: Donald Redinger, WRS Motion Picture Laboratory, 210 Semple St., Pittsburgh, PA 15213. Phone: 412/683-6300.

Film Editor. To work in a university film unit. Experience required. Send resume and salary requirements to: M. Ali Issari, Instructional Media Center, Michigan State University, East Lansing, MI 48823.



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

Positions Wanted

Visual/Optical/Photographic Engineering. About to receive Ph.D. for work in color and three dimensional vision, with experience in making conventional and scientific motion pictures, and design of optical systems. Interested in all visual problems, design of visual display systems, optical design, scientific photography. Will consider part time or full time employment or consulting. Résumé on request: Cary Lu, California Institute of Technology, Pasadena, CA 91109, (213) 795-6841, ext. 1603.

Positions Available

Television Engineer: California VHF, group owned, network TV station has immediate need for senior TV engineer, to supervise operations & maintenance of color TV studio. Needs strong maintenance & performance test background, including Ampex & RCA. Send résumé, including salary desired to P.O. Box 10, Sacramento, CA 95801.

Journals Available/Wanted

These notices are published as a service to expedite disposal and acquisition of out-of-print Journals. Please write direct to the persons and addresses listed.

Available. Complete set *Journals*, Jan. 1934 to date. July 1936 and March 1941 missing. All indexes and extra sections included. Submit reasonable offer to: Herbert L. Armstrong, 6514 Gull Rd., Washington, DC 20031.

Wanted: All *Transactions, Journals* 1930-1950; 1955 and later. Contact Robert Renner, 143-40 41st Ave., Flushing, NY 11355.

Available, Collection of SMPTE *Journals* from 1940 to 69. Only a few missing. \$300.00 M. Charles Linko, 452 Albern Ave., Oceanside, NY 11572.

For sale—Complete set of *Journals*. Jan. 1950 to date. Includes extra sections, indexes and directories. \$150.00 V. V. Valenzio, 166-31 9th Ave., Whitestone, NY 11357. Phone evenings (212) 762-5361.

Available: New condition, complete set of *Journals* from 1953 to Oct. 1970—(except Nov. 1953, July 1956, Mar. Apr. May July & August 1960, Oct. 1961) all for \$30.00. N. L. MacDonald 13 Freeman Ave., Denville, NY 07834 Phone 201/627-2508.

Complete set of *Journals*, Jan. 1949 to March 1967. New condition, \$25.00. Write to A. Lucas, 229 East 48th St., New York, NY 10017.

Available: All in new condition complete sets from Jan. 1944 to date (except Jan. 1954, Mar. 1955, Jan. Nov. Dec. 1956, Dec. 1966, Part I Jul. 1967). Includes any indexes, directories, etc., over 300 issues in all. Entire set \$200. Adolph A. Grude, 121 Thames Place, N.W., Fort Walton Beach, FL. 32548.

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Magna-Tech's electronic method of altering sound tracks makes "looping" obsolete.



If you are still making hundreds of loops for a single feature, then consider a fast, precise and economical method of altering sound tracks that makes "looping" obsolete.

The new Magna-Tech system electronically synchronizes a reel of picture with a reel of full-coat magnetic sound-recording film. Footage and frame "PRESETS" permit the recordist to select the scene to be "dubbed" and to fully control the advance and return of the film as the actor voices the line to be "dubbed."

The system is so accurate it will even permit the change of a single word without danger of erasing an adjacent word.

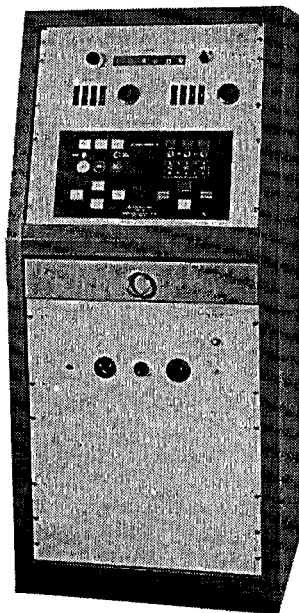
High speed return of the film to "start" saves time and permits new starts without waiting for a "loop" to complete its trip.

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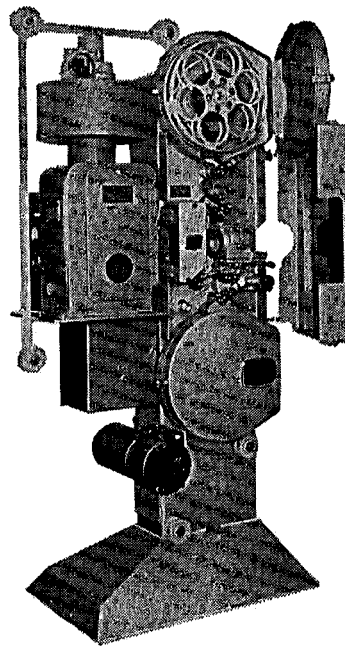
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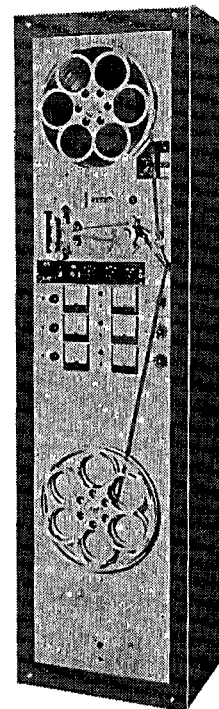
This track now has all of the final takes in sequential position and ultimately permits the screening of the picture and the final edited track in perfect synchronization. From this point the track is ready to go to a mix and no further editing is required.



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- Magna-Techtronics (Aust) Pty., Ltd., 49 Whiting St., Artarmon, N.S.W., Australia 2064