

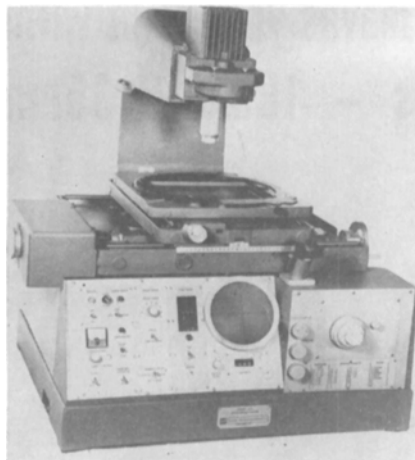
new products

(and developments)

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Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.

Erratum: The Twister lighting system (*Journal*, p. 1064, Nov. 1965) was developed by Mole-Richardson (England) Ltd., Burrell Way, Thetford, Norfolk. (It was erroneously reported that the Twister had been announced in England by Mole-Richardson of Hollywood.)

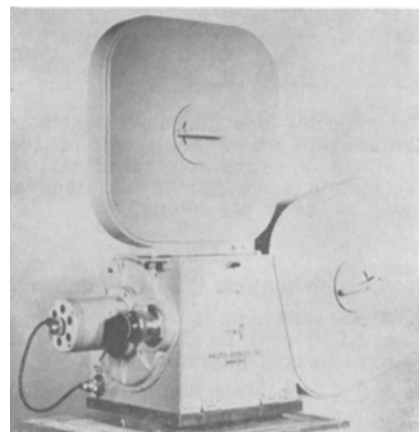
An automatic recording microdensitometer designed to provide simultaneous viewing and scanning has been announced by General Aniline & Film Corp., 140 W. 51 St., New York, N.Y. 10020. Called the Model 650, the instrument is intended for analyzing large volumes of aerial films, motion-picture films, radiographic films,



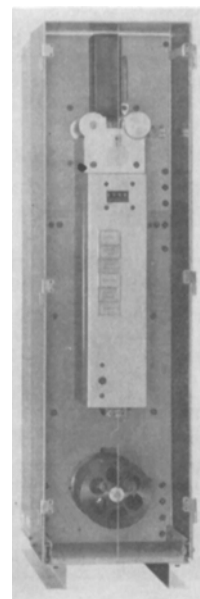
spectrographic plates, etc. The instrument incorporates a new optical design that provides a 10X magnified view of the sample on a 6-in. screen with simultaneous scanning and measurement. The measuring stage is equipped to handle film or glass plates up to 10 by 10 in. Scan travel is 10 in. in the longitudinal (X) axis and the scan drive provides 10 speeds.

A manual 9 1/4-in. Y axis transverse is standard with optional pulsed motor drive. Stage position in either axis may be read from dials, and the sample holder can be rotated through 360° to permit orientation of the sample at any angle relative to the scan axis. The single-beam photometer design uses the GAF densitometer circuit to provide photometric accuracy of ±0.02 density and precision of ±0.01 density.

Optical resolution is 168 lines/mm. Density output can be fed into analog or digital recording equipment, and the instrument will accept inputs for the programmed control of stage motion.



A new television recording camera designed to produce high-resolution camera motion pictures from the image on a cathode-ray tube has been announced by Photo-Sonics, Inc., 820 S. Mariposa St., Burbank, Calif. Available in three models, 16mm, 35mm and 16/35 mm, the camera operates on the 525-line, 60 fields/sec standard and uses the two-field system of recording. The first two fields are recorded on one film frame. The first half of the third field is used for film pulldown time. The second half of the third, the whole of the fourth, and the first half of the fifth fields are recorded on the next film frame, and the remaining half of the fifth field is used for film pulldown time. The shutter is a 288° (open) type; the intermittent movement incorporates registration pins. Two 115-v 60-cycle a-c synchronous drive motors are used with the camera drive motor operating at 3,600 rpm and the shutter drive motor at 1,440 rpm. Film capacity is 3,000 ft. The camera is priced at \$10,550 without lens or magazine.



The Cuematic Printer Control System announced by Gryphon Corp., 2806 W. Burbank Blvd., Burbank, Calif. 91505, is

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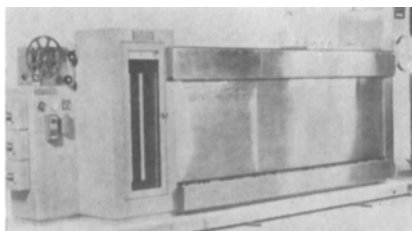
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designed for triggering light changes, fades or dissolves, for motion-picture film printers. It is said to require no punching, tabbing or marking of the negative film, since all information is recorded on paper tape loops. Cuing can also be produced from a work print or an editorial work sheet with footage and frame information rather than the negative. Cuing is performed at the editing station with the perforator by pressing a button to cause permanent storage of the cue position in Cuemat (paper tape loop). At the printing station a Cuematic Reader uses the Cuemat to trigger the light change or shutter mechanism at each programed position to make any required number of prints. The

system can be used with any type of printer or at any printing speed.



A new 16mm Ektachrome film processor, the FE-50, designed for use in television stations, has been announced by Filmline Corp., Milford, Conn. The processor utilizes the Filmline "Overdrive" system, which consists of two separate drive

systems coupled to provide maximum safety for transporting film. The film is transported through the machine by means of friction-on-film rollers driven by top shafts. The system is said to be so sensitive that the film can be held manually while the machine is in operation without breaking the film or causing the lower film roller assemblies to rise. Other features include stainless-steel air squeegees of the Micro-Venturi type, an impingement drybox, torque motor, and heavy-duty recirculation pumps for chemical solutions. The unit is 12 ft, 10 in. long, 6 ft high and 35 in. wide. It is priced at \$16,500.

A new 16mm continuous processor for black-and-white films has been announced

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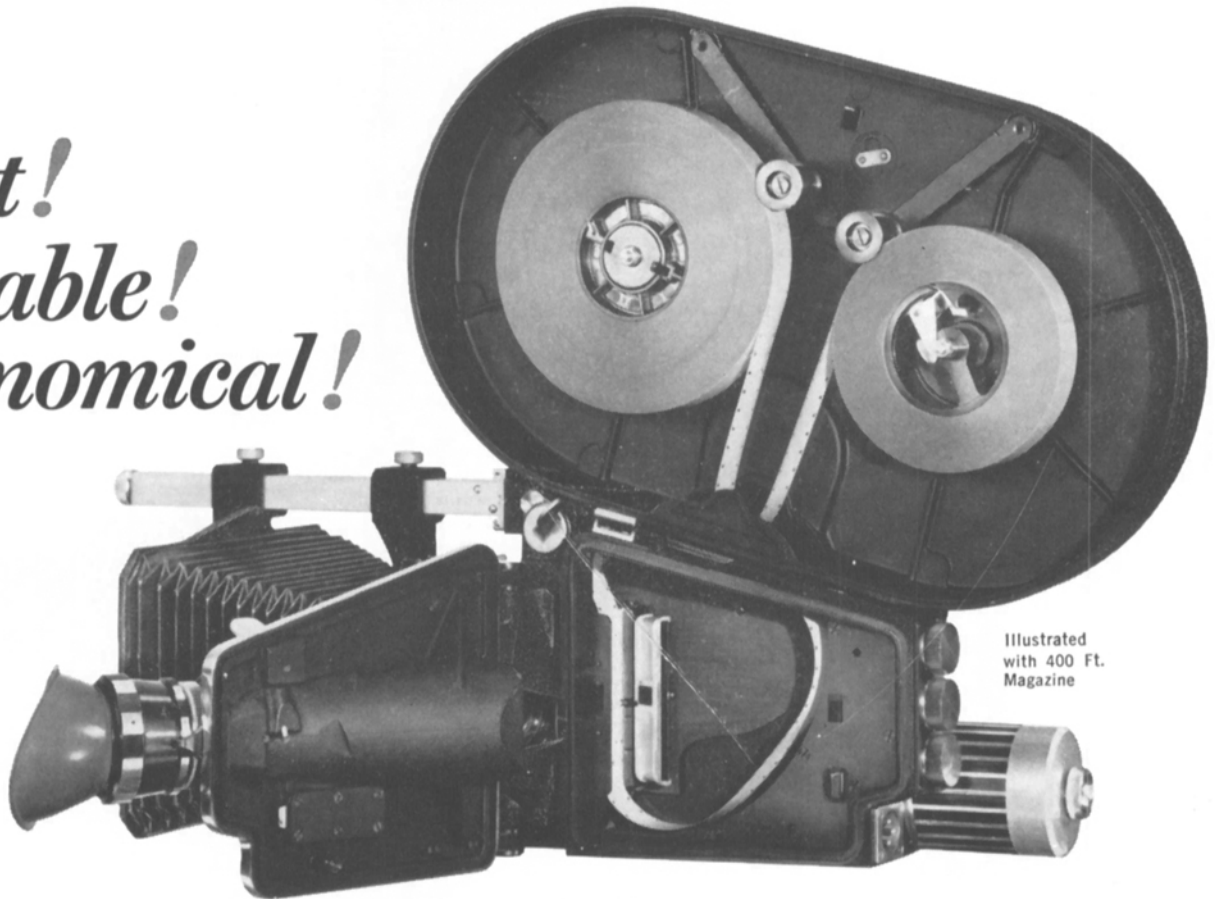
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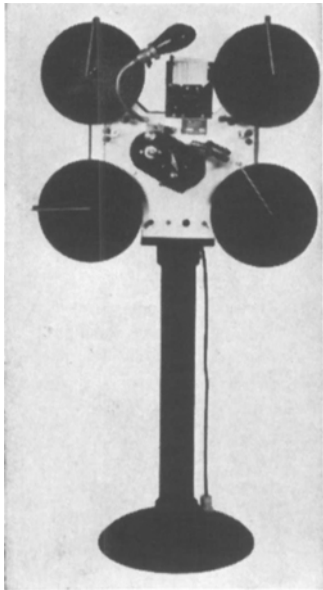
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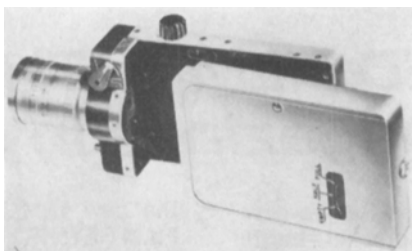
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by RFP Corp., 5703 West Adams Blvd., Los Angeles, Calif. 90016. Designated Model 618, the 250-lb unit is designed to process 16mm perforated or nonperforated reversal, microfilm and negative-positive emulsions at speeds up to 70 ft/min. Film is fed to the machine from a daylight-loading 1200-ft magazine. A special hood covers the first four tanks to facilitate daylight operation. The high-torque friction drive utilizes a chain-clutch system with finger-tip adjustments. Film speed is established through a magnetic variable-speed controller incorporated in the main control panel, which also includes controls for heaters, start-stop, and second exposure light intensity. The drying cabinet is internally illuminated and has a clear plastic door to facilitate observation. Power requirement is 110 to 120 V a-c, 60 Hz at 30 A. The processor is 48 in. long and 12 in. wide. The basic price is \$2,500.

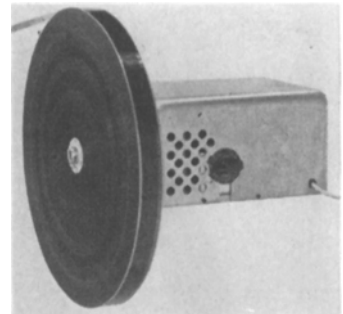


The Model 308 16mm sequential camera has been announced by J. A. Maurer, Inc., 37-01 31 St., Long Island City, N. Y. Retaining the features of the preceding design, Model 296, the new camera is said to provide better film magazine design with greater film capacity, higher resolution capability and ease of operation. Model 308 can accommodate 100 ft of standard base film or 200 ft of thin-base film. It can be operated either while hand held or mounted in a fixed position. A single five-position selector switch permits operation in any of five modes: time-exposure; manual single frame; automatic 16 frames/sec; and sequential at either 1 frame/sec or 6 frames/sec. Features include the improved magazine to provide rapid film loading with improved film plane location and a more rigid construction with greater resolution and reliability. The camera (without lens) weighs about 2 lb and is 6 in. long, 1½ in. wide and 3½ in. high. Any standard C-mount lens can be

used with the camera. The camera can operate within a temperature range of -20 F to 160 F.

A modified model of the 16mm 1-F rotary prism camera has been announced by Photo-Sonics, Inc., 820 South Mariposa St., Burbank, Calif. The model incorporates a new mount that allows a wide range of lenses to be used with the camera. The standard 1-F is supplied with a fixed-focus 13mm f/2.5 lens. The new model has a ruggedized Photo-Sonics mount which allows the use of Elgeet Navitar and Raptar lenses in focusing mounts, ranging from 8mm f/1.5 to 6-in. f/3.8. Fixed focus f/1.5 lenses are available for this mount with 3.7mm, 5mm, and 5.3mm focal lengths.

The 1-F is a high-speed, full-frame 16mm rotary prism recording camera, with operating speeds from 100 to 1000 frames/sec. It is designed for operation under environmental extremes. The new mount is intended to allow the camera to be used for a greater variety of data recording applications. The modified camera is priced at \$3,230 without the lens.



The Series 500 Power Take-Up, a motor-driven roll take-up device for use with film and tape handling equipment produced by Gryphon Corp., 2806 West Burbank Blvd., Burbank, Calif. 91505, features a control system that continuously senses the increase in roll size and adjusts the input current to the driving motor so that uniform tension is maintained throughout the roll. This system is designed to prevent damaged or pulled perforations and to eliminate soft spots that might allow the roll to come apart in handling. The overall tension can be adjusted to meet any requirement for firmness of wind between zero and 24 oz of pull. Added power is provided at the beginning of the roll for fast starts at high speed. The units are available in 16mm, 35mm and 70mm sizes. Models are available for either clockwise or counterclockwise use. Maximum speed at the output shaft is 430 rpm, sufficient for take-up at 300 ft/min on a 3-in. diameter core or reel. The unit is said to be capable of winding more than 1 mile of film on a 2-in. core at 90% of line voltage. The price is \$360.

A dynamic omnidirectional microphone called the SM50 has been announced by Shure Brothers, Inc., 222 Hartrey Ave., Evanston, Ill. The new microphone is a probe type. Although weighing only 8 oz (without the cable) it is of rugged construction designed to withstand the severest field use. Frequency response is reported as smooth and natural from 40 to 15,000 Hz. The microphone provides for selection of output impedances of either 30 to 50 ohms



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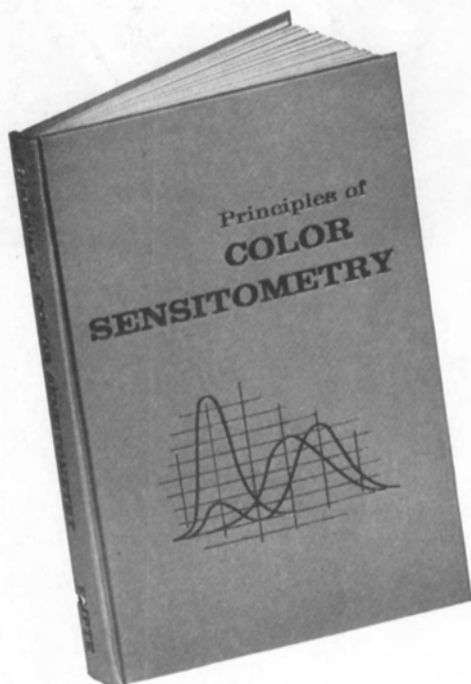
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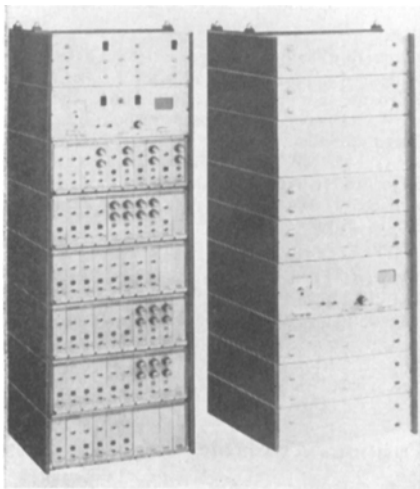
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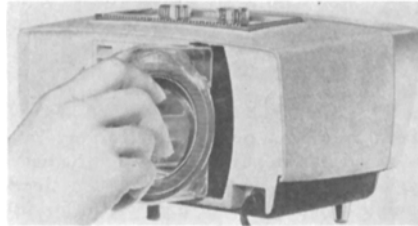
A synchronous instrumentation and data recorder which utilizes 35mm magnetic film has been announced by Amega Corp., 11817 Wicks St., Sun Valley, Calif. Called the M-2, features include a positive sprocket-tooth control designed to maintain consistent film movement during long recording runs. The reels start simultaneously and accelerate to speed locked in synchronization. The 1,200-ft reels "coast down" together as the selsyn motors maintain an interlocked condition. Two or more Amega recorders can be interlocked for synchronization and correlation of data. Because the sprocket is gear-driven, each of the films can be indexed to a predetermined "start" mark to achieve sync from the beginning of the reel. The recorder and readout heads are located between the two flywheels, providing a filtering condition for both the approach and retreat of the film. A tight-loop drive, employing two impedance drums as part of the quill and flywheel assemblies, mechanically dampens sprocketed film flutter to hold it to 0.07 in frequency bands from 0 to -30, to 200 Hz. The recorder is 19 in. wide and 12½ in. high. Price of the basic unit is \$1,500.



The Norelco all-transistor theater sound system has been announced by North American Philips Co., 100 E. 42 St., New York, N. Y. 10017. The system is designed so that it can be matched with any projectors or loud speakers and to operate with single-channel optical 35mm, 4-channel magnetic 35mm, or 6-channel magnetic 70mm recordings. It can also be used for reproducing three non-sync sound sources, i.e., record players, microphones and tape recorders. Each soundtrack and non-sync sound source has its own preamplifier with adjustable gain and each channel has its own equalizing unit. The channels can be adjusted independently to adapt to the acoustics of individual theaters. The supply voltages are regulated to make the sound quality independent of line-voltage functions. The hum and noise level is exceptionally low and the electronic switching system is designed to avoid clicks. Components include silent light-dependent resistors instead of switches, and transistors rather than vacuum tubes. Printed circuits are used instead of ordinary wiring to eliminate short circuits. Individual plug-in

units are used for ease of replacement. A spare power amplifier and a spare power supply are built in for instant use in emergencies.

Wolk-Lube, a lubricant for high-intensity carbon arc lamps, is a product of Edw. H. Wolk, Inc., 1241 South Wabash Ave., Chicago, Ill. 60605. The lubricant is said to be nontoxic and to be free from sulfur, nitrogen, metals and other impurities. It is designed to burn cleanly off a heated metal surface leaving no carbon or ash behind. It is available in 4-oz dispenser cans with oilers.



The Model 510 Projector, said to be the first cartridge-loading projector designed specifically for Kodak Super 8 film, was introduced in December 1965 by Technicolor Corp.'s Commercial and Educational Div., 1985 Placentia Ave., Costa Mesa, Calif. 92627, as part of Technicolor's 50th Anniversary Celebration commemorating its founding by Herbert T. Kalmus in 1915. Model 510 incorporates newly developed optical and lighting systems to project the larger Super 8 image with maximum clarity and brightness. Dimensions are 9½ in. wide, 9 in. deep and 5½ in. high. A single-cavity magazine holds a continuous loop of Super 8 film. Maximum film length is 56 ft per cartridge. The projector is equipped with a 20mm f/1.5 lens — other types of lenses are optional. Prices start at \$87.50.

The Carousel Sound Synchronizer announced by Eastman Kodak Co. is designed to link a stereo tape recorder to a Carousel Projector for an automated sound slide show with no distracting audible slide-changing signals. The synchronizer is connected by plug to the projector's remote-control receptable and the projector's remote-control switch is plugged into the synchronizer's receptable. The unit's phone plug is then plugged into a microphone input on one channel of the recorder and the microphone is in turn plugged into the other channel input of the stereo recorder. Voice and musical background are recorded on one track. The synchronizer weighs less than 9 oz and consists of a 1¼ by 3½ by 3¼-in. control unit, a 6-ft cord with standard phone plug, and a 1-ft cord with a 5-prong plug. It is priced at less than \$30.00.

A compact 50-MHz dual-trace, 32-lb rack-mount oscilloscope, Type R453, designed primarily for high-speed applications, has been announced by Tektronix, Inc., P.O. Box 500, Beaverton, Ore. 97005. The instrument uses a Tektronix 4-in. cathode-ray tube designed for use under high ambient light conditions. Dual-trace sensitivity is reported to be 20 mV/div at 50 MHz; to 5 mV/div at 40 MHz, and the channels can be cascaded to obtain 1 mV/cm sensitivity at

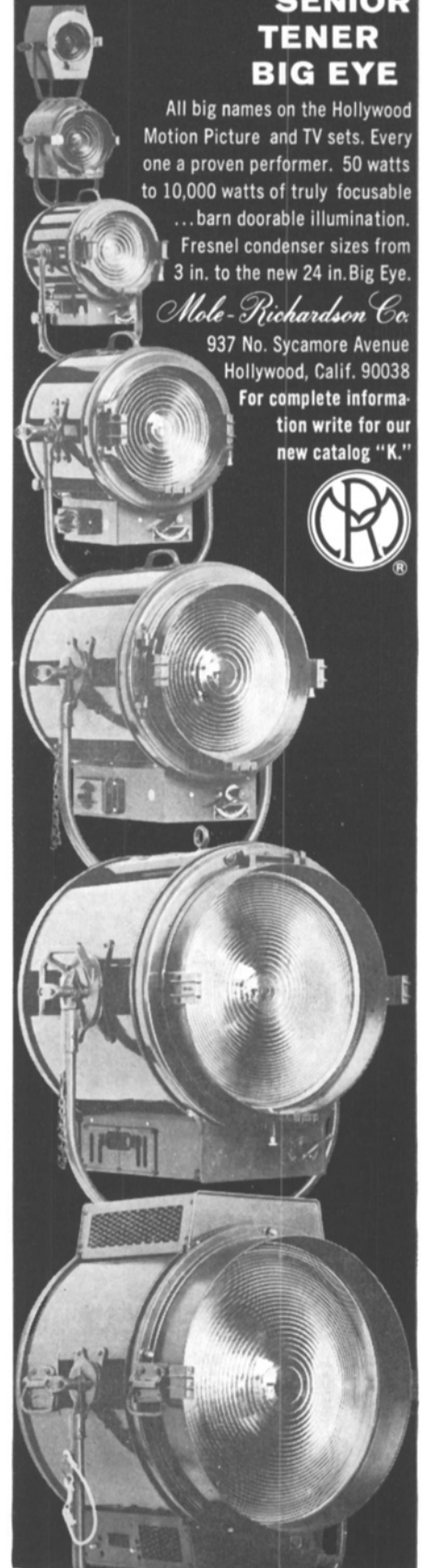
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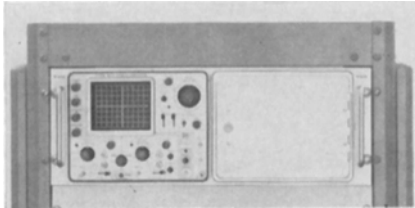
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25 MHz, single trace. Signal delay allows viewing the leading edge of the triggering waveform. Four operating modes include each channel singly, alternate or chopped electronic switching between channels, or both channels added algebraically. In the algebraically added mode, channel 2 can be inverted for differential operation. The Type R453 is expected to be available during the first quarter of 1966. It is priced at \$2,035.



A rack-mount oscilloscope, designed especially for testing and servicing high-speed computers, telemetering equipment, etc., where space for test instrumentation is limited, has been announced by Tektronix, Inc., P.O. Box 500, Beaverton, Ore. 97005. The unit consists of an a-c powered oscilloscope and mounting facilities including a hinged-door compartment for storing accessories. Overall dimensions are 6 $\frac{1}{8}$ in. high, 19 in. wide and 13 in. deep. The weight is about 18 lb. A 4-in. rectangular cathode-ray tube with illuminated, internal graticule, provides 8.2 sq in. of display area with bright, sharp traces even under high ambient light conditions. The unit is priced at \$1,400, with availability expected during the first quarter of 1966.



The new Ampex Videotrainer, announced by Ampex Corp., 401 Broadway, Redwood City, Calif., is a self-contained, mobile videotape recording system for use in education, training and various industrial applications. The system combines the VR-7000 Videotape Recorder with a television camera, receiver and related equipment for producing videotape programs. The Videotrainer is priced at \$5,945. The recorder alone, which weighs 78 lb, is priced at \$3,150.

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 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

Laboratory Technician—Editor. Young, married man desires lab. or limited editing position in Los Angeles area. Background in m-p sound, lab. processing, and m-p editing. Will be discharged from Air Force Feb. 4, 1966. Résumé upon request. Robert V. Webber, Box 2312, Eglin AFB, Fla. 32543.

Film Production Projects in Israel. Israeli with practical exp. wishes to represent and/or assist foreign production unit or film co. interested in producing motion pictures in Israel. Contact I. Ben Yehuda, P.O. Box 4474, Tel-Aviv, Israel. Cables: BEFIPRO Tel-Aviv.

Marketing/Sales Manager. 10 yrs experience in design, manufacture and marketing of audio, video and motion-picture equipment. Included are 4 yrs heavy management responsibility and international marketing experience. If you need a "take-charge" performer and offer a career opportunity, write: Richard B. Pell, 3658 Maxwell Drive, Wantagh, N. Y. 11793 Tel: (516) 221-1844.

Industrial Photographer: Desiring more responsible post. Exp.: commercial, industrial, educational, instrumentation, m.p. and still. College, married, will relocate. Résumé on request. Write: Photo, Rm. 406, 18 E. 41 St., New York, N.Y.

Positions Available

Well Qualified Technical Salesman required for marketing of internationally known magnetic sound recording tape and film. Excellent prospects in expanding business. Initial location New York but must be willing to travel. Reply to: Miss Labate, Ilford, Inc., 37 W. 65th St., N.Y.

East Coast Group to construct complete new color film processing lab, seeking complete top-notch engineering and administrative executive team. Replies held in strict confidence. Submit résumé and salary requirements to Aaron Karp, Jaffin, Schneider, Kimmel, and Galpeier, 285 Madison Ave., N.Y., N.Y. 10017.

Trainee Position with major network. College graduate with interest in administrative career with large film dept. in NYC. Please send résumé to R. W. Frattali, National Broadcasting Co., Inc., 30 Rockefeller Plaza N.Y., N.Y.

Project Engineers needed for expanding staff. Exp. in design of m-p projectors, m-p cameras, slide projectors, or tape recorders is essential. This is opportunity for right man to join progressive co. offering excell. working condit. and benefits. Call collect or write Gary Kaess, Keystone Camera Co., Hallet Sq., Boston 24, Mass. Phone 617-436-8000.

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