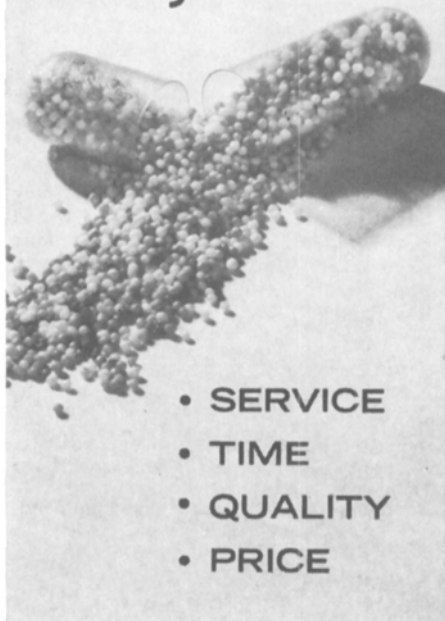


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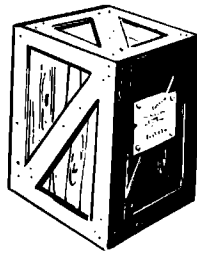
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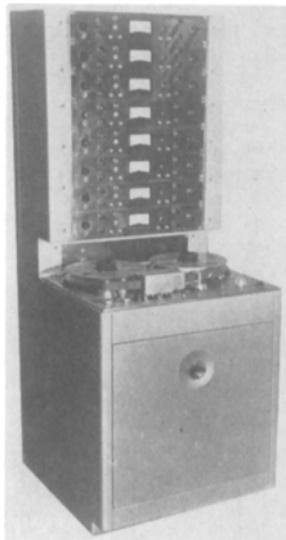
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## new products

(and developments)

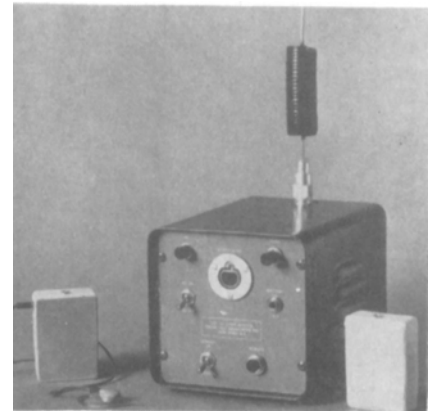
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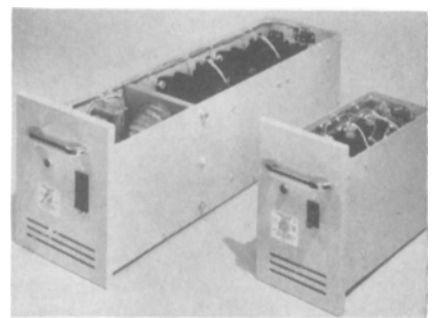
**The Lang Eight-Channel Mastering Tape Recorder**, announced by Lang Electronics, Inc., 507 Fifth Ave., New York, N.Y. 10017, consists of solid-state electronic assemblies originally used as replacements for discontinued Ampex 300 and 350 tube type electronics. The new unit uses standard Ampex 1-in. tape transport, 8 specially designed electronic assemblies and a newly designed head assembly. Equipments used in the 8-track duplicating system include the 1-in. Master Duplicator, Ampex 3200 Top Plate and Cabinet and Lang solid-state electronics (price, \$8,500); a 1/2-in. slave duplicator (price, \$3,320); a 1/4-in. checker with 8 playback electronics, meter panel, cabinet and Ampex top plate for aligning the duplicator (price, \$4,200); and the 8-track, 1-in. mastering recorder with Ampex top plate, electronics, and Lang head assembly (price, \$9,500).

**The FilmCARD Camera-Processor** produced by Houston Fearless Corp., 11801 West Olympic Blvd., Los Angeles, Calif. 90064, is an automated camera-processor designed to produce microfiche (film-cards) on demand. The unit is used to copy single-page documents, periodicals or books. An even-pressure system holds bound volumes to prevent damage to the binding. The filmcards measure about 4 by 6 in. and contain up to 60 micro-

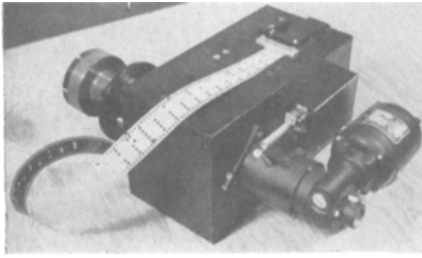
filmed pages plus a full-size title. An electronic flash is used to supply uniform illumination without heat. After exposure the film is automatically processed and dried in a Separatron processor incorporated in the unit.



**A wireless cuing system** for television and radio studios has been announced by Round Hill Associates Inc., 434 Ave. of Americas, New York, N.Y. 10011. Called Model CS-10, the system consists of a compact all solid-state transmitter and a series of pocket-size transistorized receivers. Any number of receivers can be used with a single transmitter. The 3-lb transmitter includes a simple 3-ft whip antenna to cover studio areas up to 8,000 ft<sup>2</sup> and can be remotely operated with a microphone located in the control room or other part of the studio. It has a plug-in receptacle for standard low-impedance microphones. The 4 1/2-oz receivers are fully transistorized and do not require any external antenna. They can be operated with either a standard double earphone or a single hook-on earphone. The transmitter is priced at \$400. The receivers are priced at \$39.95 each.



**A new line of solid-state electronic dimmers** has been announced by Skirpan Electronics, Inc., 41-43 24 St., Long Island City, N.Y. 11101. The SCR dimmers are designed to control the intensity of illumination of large lamp loads in the lighting systems of television studios, theaters, arenas and similar applications. Available in capacities of 2, 3, 6, and 12 kW, the dimmers contain no fans, relays or other moving parts and are said to eliminate lamp sing, RFI and audio interference. Activated by a 24-V dc signal at 1.65 mA, the dimmers can be remotely controlled by either a single potentiometer or by a complex infinite-preset console. Prices range from \$142 to \$400, depending on the rating.



**An all-mechanical tape-reading shutter unit** that can be used on most printers has been introduced by Motion Engineering and Service, 1226 Waukegan Rd., Glenview, Ill. 60025. Designed for simplicity and ease of operation, the unit employs only two relays, two solenoids, and an electric motor for complete electric circuitry. A 35mm leader is used for tape with a 5-hole binary code. A standard Geneva movement is used to advance the tape. The shutter is activated by a standard cue box which releases any of the 32 stored light values to the shutter vane. It also advances the tape and, mechanically, reads the next value into the memory. Because of its simple construction, it is said that the average printer mechanic can service the new shutter. Size of the cue box is 7 × 12 × 6 in.

**Ascom**, a computer tape produced by a twin-wire process, is manufactured by Thames Paper Supplies Ltd., 13-21 Curtain Rd., London, E.C. 2, England. Use of the process is said to reduce to a minimum the amount of dust and fluff created by the tape. An antistatic property is built in during manufacture to prevent build-up of high voltage static electricity. The tape is said to be grit-free thus requiring no oiling to lubricate the punch knives. The tape is supplied in various widths and to a thickness of 0.004 in. Prices range from about 48 cents for a spool of 11/16-in. tape to about 68 cents for a spool of 1-in. tape.

**A new magnetic video tape** (142 series) has been introduced by Ampex Corp., 401 Broadway, Redwood City, Calif., for use with the Ampex VR-660 Series and VR-1500 Series helical scan videotape recorders. The tape is said to have superior dropout performance, long-term still frame capability and efficient operation under high temperature and humidity conditions. A unified binder formula developed specifically for tape used with the VR-660 and VR-1500 recorders is said to permit better picture quality by reducing dropouts caused by the attraction of foreign particles. The 142 series is available in various reel sizes allowing playing time from 32 min to more than 4 hr. The standard 8-in. reel of tape permits 64 min. of playing time and is priced at \$70.70.

**Lubricated double-faced cartridge tape** for mobius loop applications has been announced by Reeves Soundcraft Div., Reeves Industries, Inc. Called Type 442, the tape features increased output, high-frequency response, a wide dynamic range and an operating speed as low as 3 1/4 in./s. A special graphite-type lubricant, an integral part of the tape surface, is incorporated to provide a low coefficient of friction.

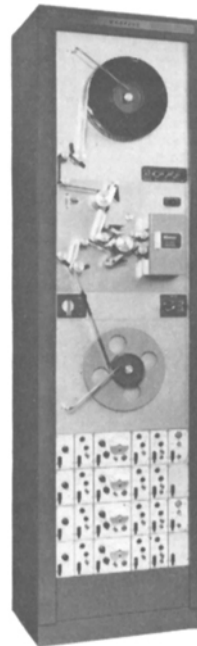
**The CVI Model 302 Video Analyser**, an instrument designed to provide three functions in television waveform display, has been announced by Colorado Video, Inc., P.O. Box 928, Boulder, Colo. 80302. The analyzer acts as a sampling oscilloscope to give the equivalent of line selection and TV field rates to permit simplified analysis of video signal characteristics on the vertical axis. A dc-coupled, narrow-band signal is produced which may be used externally for observation or data processing.

A second feature of the 302 allows the display of the vertical line selected video signal waveform directly on the screen of a normal TV monitor. The waveform is superimposed on the picture being analyzed

in a 1:1 correspondence. Vertical and horizontal markers are used to provide rapid identification of any individual picture element. The instrument also has an output for chart recording derived from a second sampling circuit which provides a dc voltage proportional to the amplitude of the video signal under the marker cross-hairs. The dc readout may be fed to a voltmeter for static measurements or to a chart recorder for line selected waveform reproduction on either the horizontal or the vertical scanning axis. The unit is priced at \$1,950.

**The CVI Model 401 Video Plotter**, an instrument designed to display graphic information directly on the screens of tele-

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**GENERAL DATA:** The LRA-1552-F/T records three channels on 35mm. magnetic film. It is equipped with torque motors for take-up and fast rewind, and with removable magnetic head assembly. Modular plug-in, solid state units with full use of silicon transistors are provided in the electronic circuits. Three types of motors are available: synchronous, interlock and composite, 50/60 cycles. Other models available from one to six channels.



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vision monitors, has been announced by Colorado Video, Inc., P.O. Box 928, Boulder, Colo. 80302. The traces produced by the 401 are said to be bright and non-fading but they can be completely erased if desired. Signals can be intermixed with those from TV cameras, flying-spot scanners or other video sources to produce highly complex displays. The instrument may be used in four different modes, viz., as an X-Y plotter writing at a rate of 60 points/s; as a low-frequency storage oscilloscope by using the internal time base; as a raster display device writing at a rate of 60 lines/s; and as a direct writing device driven from an external video signal. The instrument can be Z axis modulated and is said to be capable of rendering

better than 6 shades of gray. It is priced at \$4,000.

**The Kodak Carousel RA-950 Projector**, designed for remote random access to any of 81 slide positions within three seconds, has been announced by Motion Picture and Education Markets Division, Eastman Kodak Co., Rochester, N.Y. 14650. In addition to providing random access to the slide positions, the projector's remote control panel provides control of motorized focus, single-slide operation forward and reverse, and on and off. The slide tray on the projector and the indicator dial on the remote unit are numbered in the same sequence and move in

unison. Indicator lights are provided to show which slide is being projected or to warn against a wrong slide being displayed. To select a slide at random, the projectionist dials the slide's number on the control unit and pushes the random access button in the center of the dial. The slide tray on the projector then rotates to the proper position and the requested slide drops into the projection gate. Because the circular tray rotates in the shortest direction, search time is very rapid (3 s maximum). The projector has a heavy-duty motor rated at 2,000 hr. It is equipped with a built-in circuit breaker which automatically shuts off all power to the projector in the event of a power surge or mechanical failure. The projector, equipped with a 5-in.

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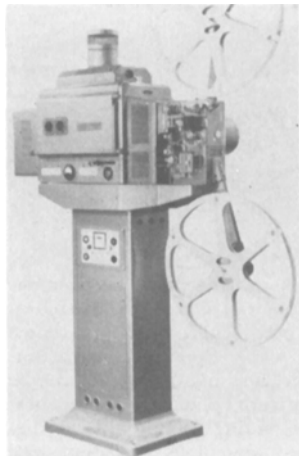
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The Bauer Selection II-O 16mm push-button sound projector, a permanent-installation unit designed for schools, universities and other nontheatrical uses, has been announced by Allied Impex Corp., 300 Park Ave. South, New York, N.Y. 10010. The projector has a xenon lamphouse accommodating 450-, 900- or 1,600-W xenon lamps. Features include a rugged Geneva movement with automatic circulatory "oil bath" lubrication and a film-saving film-path with adjustable runners to contribute to steady, flickerless projection. Other features include a built-in transistorized preamplifier to produce sound from either optical or magnetic tracks. No adjustment is needed to focus the scanning beam on either side of the film emulsion. A film capacity of 5,000 ft provides about 2½ hr of film presentation at 24 frames/s. Also included is a pushbutton control panel; a drive motor for different voltages, network frequency and running speeds; a centrifugal switch to control the starting operation of the projector and the magnetically operated douser; an active silicon photoelectric cell below split-projecting systems; and other features. Prices start at \$4,125.

Two new screens have been added to the audio-visual line of Radiant Manufacturing Corp., Morton Grove, Ill., according to a recent announcement. The surface of the Educator wall projection screen Model WS is silver lenticular Optiglow to permit effective projection even in partly lighted rooms. The classmaster is matte white and is mounted in a protective metal case. Both screens are said to be fungus and flame resistant and both screens come in three sizes, 50 by 50 in., 60 by 60 in. or 70 by 70 in.

The KE Super Projecto-Editor and the VS8 Viewer, designed for editing and previewing Super 8 film, have been announced by Craig Division, Kalart Co., Dept. ME, Plainville, Conn. 06062. The Projecto-Editor has a 3½ × 4½-in. viewing screen. Polished and groundglass filters are used in conjunction with a 75-W lamp to permit viewing of an individual frame without overheating. The reel spindles fold and lock in two positions (for use and for storage). The take-up is geared at ¼:1 speed to provide for proper film

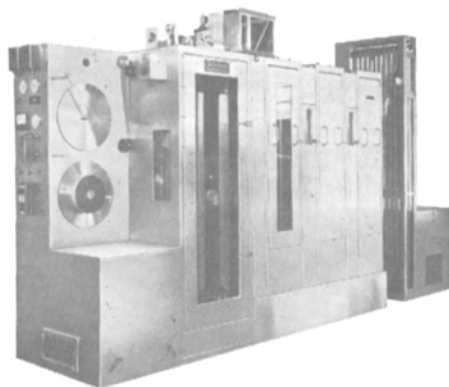
movement and viewing. The rewind is geared at a fast 4:1 ratio to permit rapid rewind. A frame marker is used to identify the frames for cutting removal in the editing operation. The unit includes a dual-purpose splicer to provide either wet or dry splices. It is priced at \$94.50. The VS8 Viewer incorporates the features of the Projecto-Editor except for the splicer, rewind, etc. It is priced at \$59.50.

A 200-ft daylight loading magazine for Bolex H-16 cameras has been announced by Century Precision, 10659 Burbank Blvd., North Hollywood, Calif. 91601. A dial-type footage counter is provided in the magazine. The camera is fitted with a

1- × 3-in. anodized adapter block. The magazine can be driven directly by the camera by means of a special drive pulley priced at \$12. The magazines are priced at \$60 and the conversion is priced at \$65.

The Century 12-100 zoom lens has been announced by Century Precision Optics, 10659 Burbank Blvd., North Hollywood, Calif. 91601. The lens is made in the United States from French optical components. Resolving power is reported to be 160 lines/mm. The f/2.5 lens weighs about 13 oz and has an overall length of 4.75 in. The minimum focus distance is 32 in. The lens is supplied in Bolex RX mount and standard C mount versions.

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316DS	Neg/Pos.	B&W	16mm	60-100FPM
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NP36	Neg/Pos.	B&W	16mm	90FPM
S-90	Neg/Pos.	B&W Spray	16/35	90FPM
S-120	Neg/Pos.	B&W Spray	16mm	135FPM
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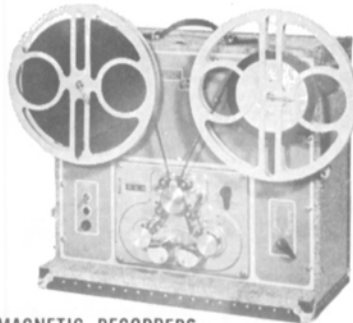
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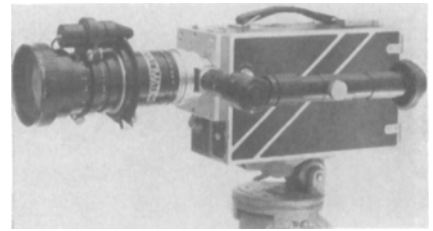
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**A new mounting plate** has been developed by Zolomatics Corp., 5875 Melrose Ave., Hollywood, Calif. 90038, to convert the Kodak Cine Special camera for reflex viewing. The plate replaces the standard Kodak front plate on the camera. The new mounting plate will accommodate any C mount lens and any zoom lens that has reflex viewfinder such as the Angenieux 10 × 12 A or the 10 × 12 AZO. Kodak S mount and Arriflex lenses can also be used with their respective C mount adapters. The new mounting plate is priced at \$90.

**A new P. Angenieux lens, Model 6 × 12.5B**, designed to cover focal lengths from 12.5mm to 75mm has been announced by Zoomar International, Inc., Glen Cove, N.Y. Two models of the new 6:1, f/2.2 lens are available, one with a viewfinder and the other without. The lens with the viewfinder weighs 1 lb 12 oz; without the viewfinder, 1 lb 3 oz.

**A photoconductor lamp** produced by Sylvania Electric Products Inc., 730 Third Ave., New York, N.Y. 10017, is used to provide "noise-free" switching in electronic musical instruments. The device has no moving parts and is comprised of a tiny photoconductor cell optically coupled to a miniature incandescent indicator lamp which can be used as a switch or as a continuous attenuator in audio through video frequencies. The photoconductor and lamp are sealed in a light-proof plastic or metal housing. In operation, the amount of light transmitted to the photocell determines the cell resistance and a corresponding change or fluctuation of current flow through the amplifier. For example, by varying the frequency of the light at slow rates (4 to 8 Hz) vibrato effects can be created. Prices range from \$1.95 to \$2.20 depending on the casing.

**The Fan-Filter Module, Model 2600**, designed to remove all visible airborne dust particles from a room, is a product of Clean Rooms Construction Co., 15163 Moran, Westminster, Calif. 92683. The module consists of a dual filter system, a large capacity centrifugal blower and electrical control in a welded steel cabinet. It operates from any source of 110-v current. One module is required for room areas 100 to 200 ft<sup>2</sup> depending upon activity and occupancy. Dust is removed down to 0.3 μ at the rate of 800 ft<sup>3</sup>/min. The balance of the dust in the air of the room is kept from settling by air currents generated by the unit and is eventually trapped in the filters. The module is priced at less than \$500.