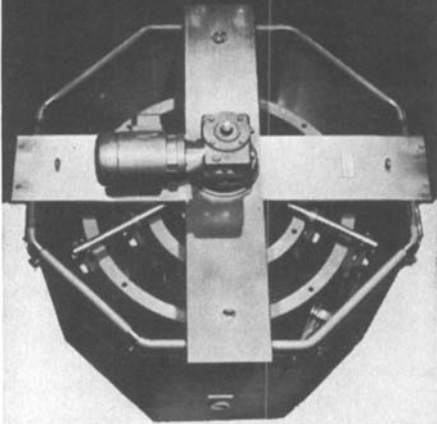


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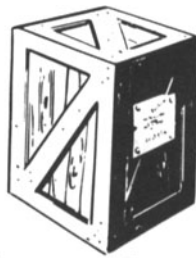
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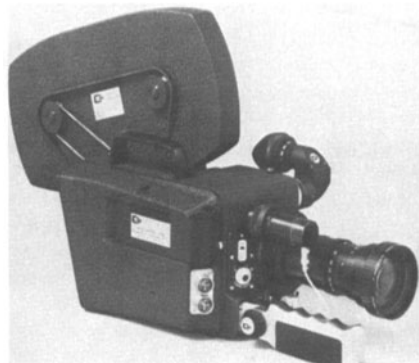
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Ektachrome Video News Film 7240 (tung-
 sten), a new color film for television news cov-
 erage offering finer grain and more rapid and
 economical processing has been announced by
 Eastman Kodak Co., 343 State St., Roches-
 ter, NY 14650. The new film offers television
 news departments the flexibility of using one
 film that can be exposed at various exposure
 ratings. With 10-fc illumination ($f/2.8$ at $1/$
 50 th of a second at 24 frames/s) normal den-
 sity ranges can be obtained using typical film
 equipment. The new film maintains the quali-
 ty of Kodachrome EF film 7242 (tungsten)
 but when shot at higher ratings and force-pro-
 cessed, it exhibits significantly improved
 grain. Because Ektachrome Video News Film
 7240 is prehardened during manufacture, the
 new process, VNF-1, eliminates the prehar-
 dener and neutralizer solutions of process
 ME-4. The remaining steps in process VNF-1
 are the same as the corresponding steps of
 process ME-4. The new film will receive a
 trade trial as SO-333 and will become avail-
 able about mid-year as Ektachrome Video
 News Film 7240 (tungsten).



A new exposure control system for the CP-
 16R reflex cameras has been announced by
 Cinema Products Corp., 2037 Granville Ave.,
 Los Angeles, CA 90025. The new system
 which is fully automatic (and if desired semi-
 automatic) has a through-the-lens elliptical
 center-weighted silicon sensor (with emphasis
 in the vertical direction). A series of seven
 light-emitting diodes appear in the viewfinder
 information display along the bottom edge of
 the frame. They represent a progression of
 ASA half-stops (plus or minus) with the center
 diode position indicating "Correct Expo-
 sure." The fully automatic exposure system
 also features a quiet compact servo motor for

automatic iris control. There is a choice of
 three operational modes by means of a selec-
 tor switch — Fully Automatic, Semiautoma-
 tic and Auto-View. In the Auto-View mode
 the iris opens fully every time the camera
 motor stops. The fully automatic exposure
 control system is priced at \$1,350. The option-
 al semiautomatic version with manual iris
 control is priced at \$850.

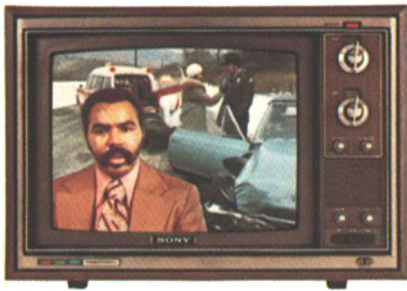
A new line of Nagra ¼-in tape recorders de-
 veloped by Kudelski S. A. has been an-
 nounced by Nagra Magnetic Recorders, Inc.,
 19 W. 44 St., New York, NY 10036. Desig-
 nated Nagra IS, the new recorders have more
 features than the mini-Nagra SN and are ap-
 preciable less in size and weight than the
 Nagra 4.2 L (they weigh 10 lb with tape and
 batteries and the dimensions are 10.7 by 8 by
 3.1 in). The new recorders have two mixer
 volume controls for microphone or line level
 inputs along with L.F. filtering. The tape
 transport has three motors — the capstan
 motor with a full closed-loop servo control and
 two reel motors controlled electronically by
 tension arms. Three models are available —
 the Nagra IS-D, IS-DE and IS-DT. They are
 designed mainly for use in the radio-broad-
 casting field. Prices are: IS-D, \$2,574; IS-DE,
 \$2,698; and IS-DT, \$2,838. Development is
 underway on a fourth model, the Nagra IS-L,
 synchronous model equipped with the Neo-
 Pilot system designed for use in motion-pic-
 ture and television sound recording. Expecta-
 tions are that it will be introduced late in
 1975.



**A new unidirectional microphone, Model
 SM82**, has been announced by Shure Broth-
 ers Inc., 222 Hartrey Ave., Evanston, IL
 60204. The new microphone, containing its
 own line-level amplifier, peak limiter and
 9.8-V battery, has been designed for single-
 channel remotes where simple, space-saving
 audio equipment is necessary. Features in-
 clude a wide-range frequency response (40 to
 15,000 Hz), a built-in "pop" and wind filter
 and low mechanical handling noise. The price
 of \$165 includes a wind screen and locking
 swivel adapter.

An auxiliary loudspeaker unit designed specifi-
 cally for HQS projectors for 8mm films
 (*Journal*, p. 936, Nov. 1974) has been an-
 nounced by Eumig (U.S.A.) Inc., Lake Suc-
 cess Business Park, 225 Community Dr.,
 Great Neck, NY 11020. The unit, designated
 the Eumig LS 800 Loudspeaker, has a 20-ft
 connecting cable to permit its placement up
 front near the projection screen to optimize
 the directional effect. The speaker box mea-
 sures 8½ by 13 by 4½ in. It weighs 5 lb and
 has a 4-Ω, 10-W electrical chassis. The price
 is \$49.95.

New Sony U-matic news team... from action to broadcast in 30 minutes.



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The major networks, ABC, CBS, and NBC, and many stations nationally are using the new Sony U-matic VO-3800/2850 Videocassette System.

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Accurate electronic editing is achieved with two Sony VO-2850 mastering recorder/editors and the Sony RM-400 Remote Automatic Editing Controller. The RM-400 provides search, pause, and automatic back-spacing. The VO-2850 has a signal-to-noise ratio in excess of 45 dB for video and audio, also separate editing capability for video and two audio tracks.

Of course, the VO-3800 portable VideoRanger™ or the VO-2850 editor can be used independently of each other. In addition to electronic news gathering, these versatile new videocassette units can add new capability and economy in production of documentaries, on-site retail spots, and general studio use.

For complete information and/or a demonstration write us today. Sony Corporation of America Video Products Dept. SMP-025-210 9 West 57th Street New York, New York 10019

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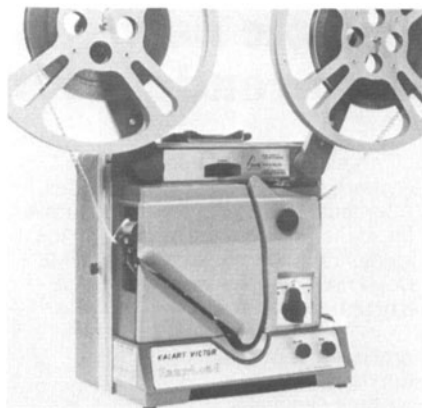
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For details contact Redlake Corporation, 2991 Corvin Drive, Santa Clara, CA 95051. (408) 739-3034.

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The Model 90-25 Easy-Load 16 mm Projector has been announced by Kalart Victor Corp., Plainville, CT 06062. The new projector, superseding Model 90-12, provides a 25-W rms solid-state amplifier rather than the 12-W amplifier. New features include the Auto-Set Lever Interlock, designed to prevent the Auto-Set Lever from being raised or lowered while the projector is in forward or reverse mode, and the Lamphouse Cover Interlock designed to automatically turn off the projector motor and lamp when the lamphouse cover is opened. A lens security lock has been provided for the 2-in $f/1.2$ lens supplied with the projector. Other features include an automatic loop restorer, top-mounted folding reel arms, rack and pinion focusing, and a 24-V, 200-W E.J.L. halogen projection lamp. Model 90-25 is priced at \$850.



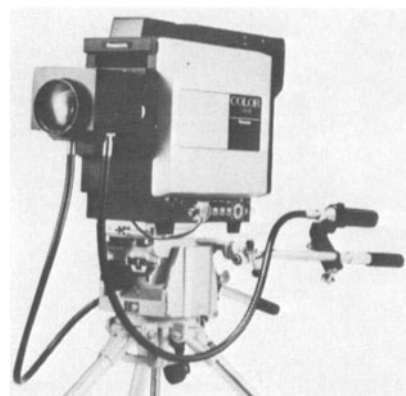
The Model 600-B Houston Fearless[®] Silver Recovery Unit has been announced by Technology Inc., 11801 West Olympic Blvd., Los Angeles, CA 90064. The machine is capable of recovering 7.5 troy ounces per hour and has a silver load capacity of up to 30 lb. The tank capacity is 9 gal and current control is accomplished by dynamic impedance which automatically proportions the current as required. The unit is two feet high and operates on 110-120 V at 50/60 Hz. The price is \$2,450.

The Fairchild Cart-Reel system, a super-8 cartridge sound projector with film rewind and instant replay, has been announced by the Industrial Products Div. of Fairchild Camera and Instrument Corp. 75 Mall Dr., Commack, NY 11725. The system permits forward play, fast rewind, instant replay and freeze action. In addition to the normal forward movement the system makes possible reverse movement to review a sequence already shown. The key element is the Cart-Reel Pak which is similar in size and appearance to

endless-loop cartridges, the difference being that with the Cart-Reel Pak there are two separate reels, one on top of the other. Both Cart-Reel Paks and endless-loop cartridges can be used in the Cart-Reel projectors but the Cart-Reel Paks cannot be used with other projectors. Portable Cart-Reel projectors are priced at \$470 and a console model is priced at \$474.



The CEI-290 backpack color TV camera has been developed by CEI, 880 Maude Ave., Mountain View, CA 94043. The system includes four units -- (1) camera head with Angenicux $f/2.8$ lens; (2) backpack electronics; (3) detachable viewfinder and hip-pack mounting adapters; and (4) camera control unit with NTSC encoder and operating control panel. The system weighs 40 lb and can operate up to 600 ft from the control unit. The camera head can be operated up to 30 ft from the backpack electronics unit. For studio use there is a tripod mounting and a quick-connect 7-in viewfinder. Prices for the system begin at \$43,000.



The Panasonic broadcast color studio camera, Model AK-900, has been announced by Matsushita Electric Corp. of America, Pan Am Bldg., 200 Park Ave., New York, NY 10017. The camera uses three 1-in Plumbicons[™]. Features include a built-in NTSC encoder and EIA sync generator which is a self-contained unit; high SNR; high resolution pictures (horizontal resolution 500 lines at center); high sensitivity (operation possible at 15 fc); 10:1 zoom lens with bayonet mount and low power consumption of about 120 W. No camera control unit is required for self-contained camera use because the NTSC encoder and sync are built in. For multi-camera studio use a remote control unit (AC-9200) is available. Price of the AK-900 is about \$28,000.

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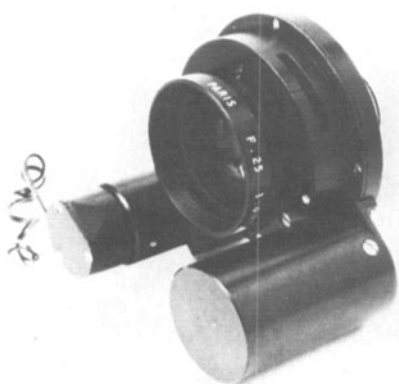
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The **Angenieux M3**, F 25mm, *f*/0.95 fixed focal length lens for the 1-in vidicon format has been announced by Angenieux Corp. of America, Islip Airport, Box 340, Ronkonkoma, NY 11779. The lens has an integrated neutral density attenuation capability. The total range of attenuation is 122,000:1 and is achieved by means of the combination of a mechanical iris and a special neutral density disc. The unit can operate in conjunction with the video circuit of its camera or in an independent motorized mode. It can fit inside a cylinder 4 in in diameter with an on-axis depth of 3.9 in including a rayshield of 2 in without the rayshield. The iris drive requires 12 V and 90 mA maximum. The total 122,000:1 range of attenuation takes 2 s travel time. Price of the M3 is \$995.

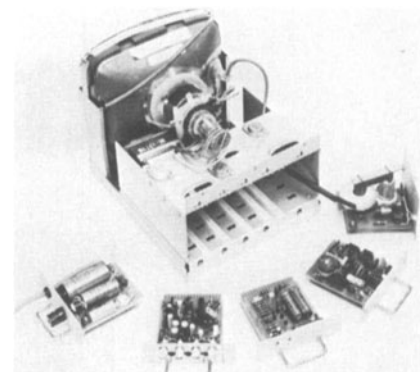
The **VS-21 Breakout**, a device used to prevent

airing of videotape playback when the videotape recorder is not "locked up" or during subsequent picture breakup due to unstable taped sync, has been announced by Ultra Audio Pixtec, Box 921, Beverly Hills, CA 90213. The device automatically switches its input to the blackburst or to the station sync connection if color-black source is not available to display black to the viewers until the videotape recorder playback has stabilized. An electronic switch actuates on the vertical interval. The VS-21 can be connected to any Ampex or RCA recorder/player and to other videotape recorders having lockup and record tallylights. The device does not connect to the VTR's sync or video wiring. The price is \$295.



A **miniature time code generator** for generating the SMPTE-sponsored Television Edit Time Code has been announced by Datametrics, a subsidiary of ITE Imperial Corp., 340 Fordham Rd. Wilmington, MA 01887. Designated Model SP-105, it makes it possible to generate videotapes on portable equipment such as the Umatic VO 3800 and to include

time code while recording in the field. Tapes can then be directly edited using automatic or semi-automatic editing systems which require the SMPTE-sponsored Edit Time Code. The generator is self-contained and includes display, preset controls and operating controls. It derives power (+12 V dc \pm 3 V at 100 mA) and an NTSC video input for synchronization from the recorder. The output code is in the drop frame format or "compensated mode" and is compatible with the normal tape audio track input. The unit is 7¼ in long, 3¼ in wide and 2½ in high. It can easily be mounted on the VO 3800 recorder. The price is \$1,795.



Modtec monitors have been redesigned for enhanced performance and reliability while maintaining the flexibility and quick repair features of modular construction, it was announced by Modtec Division, Broadcast Electronics, Inc., 8810 Brookville Rd., Silver

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Spring, MD 20910. The solid-state chassis consists of five quick-change plug-in modules, the same five modules being common to all CRT sizes from 9 to 23 in. Applications for the monitors include broadcasting, security and industrial uses where the display consists of either pictures or TV format data. Pictures are reported to be bright in high ambient light and stable under changing power line voltages. Video response is flat and center resolution is 800 lines. Prices range from about \$530 to \$1,025.

The **VCAP Automatic Videocassette Programmer** designed to adapt to most videocassette players for unattended operation has been announced by VCAP, Inc., 275 Madison Ave., Suite 2110, New York, NY 10016. The system starts itself for a full day of entertainment programming and turns off automatically for a preselected number of playback cycles. A sliding drawer containing the VCAP unit is housed in a cabinet with players, VHF modulator and storage space for several videocassettes. The unit can be used on master antenna TV systems for continuous motion pictures or other programmed entertainment in hotels, hospitals, airlines, cable TV, etc. Price of the VCAP unit is \$1,395.

The **MCM-90 Control Module**, an automatic sequential switcher for videocassette programming, has been announced by Dynasciences, Township Line Rd., Blue Bell, PA 19422. One MCM-90 is required for each cassette. The system can be expanded from a simple two-machine programmer to a multiple-machine system capable of switching any number of cassettes in sequence. The sequence is started by an external contact closure. When machine #1 reaches the end of its program it starts machine #2 automatically and switches its video and audio on the air. Machine #2 does the same for #3, and so on for as many machines as are in use. As each cassette finishes its program, it rewinds to the start of the tape. When the entire program is completed it can be restarted at any time by another contact closure, making it possible to schedule a motion picture at several different times during the day by using an external timer to provide the contact closure. The control modules can also be wired for continuous repetition of the program if desired.

Switching from one cassette to the other is performed by cue tones on the second audio track. Two tones are used: one to provide a thread command to the next machine and the second for the actual video switching. The MCM-90 is contained in a box measuring about 3 by 5 by 1 1/4 in. The machine is available in two models, the MCM-90J for use with JVC cassettes and the MCM-90S for use with Sony machines. Price of each machine is \$300.

A **1H unity gain video delay module** for applications in dropout compensators, vertical aperture correctors, comb filters and video disc systems has been announced by Anderson Laboratories, Inc., 1280 Blue Hills Ave., Bloomfield, CT 06002. The module contains drive and recovery circuitry to pass base-band NTSC or PAL video. The actual delay is achieved in an ultrasonic glass delay line at RF. Price of each module is less than \$250 in quantities of 100. The unit is also available in 1/2-H configurations.

Ferrite heads to replace metal heads, available

for certain Ampex helical scan video recorders, have been announced by Spin Physics, Inc., 11633 Sorrento Valley Rd., San Diego, CA 92121. The replacement can be installed without recorder modification, the announcement stated. The ferrite core is reported to permit a life of five to 10 times that of metal types. Heads for the VR660B and VR660C video recorders are available at prices of \$220 and \$275 a pair, respectively.

A **compact, low-power cathode-ray tube** designed by Hitachi for use in battery-powered, portable 10 MHz oscilloscopes is available in the United States from International Importers, Inc., 2242 South Western Ave., Chicago, IL 60608. The Hitachi CRT has a rectangular screen measuring 3 1/2 in diagonally. Other features include an internal graticule and flat surface to eliminate the possibility of parallax. The new CRT employs a low-current heater drawing 95 mA. The price is about \$50.

A **continuous-belt magnetic tape erasing machine** for audio and video (or computer) tapes, designated Model 70, has been announced by Garner Industries, 4200 N. 48 St., Lincoln, NB 68504. The machine is designed to erase cleanly any 7-in reel, cartridge or cassette in one pass on the belt. Different kinds of tapes can be intermixed and can be continuously placed on the belt. The tapes travel the length of the belt and the previous recording is removed in about four seconds. The machine is 27 in long, 5 in high and 10 in deep. It weighs about 75 lb. The price is \$550.

A **new Media Repair Kit** containing repair equipment and splicing tapes for repair of damaged film and recording tapes has been announced by Prima Education Products, 2 South Buckhout St., Irvington-on-Hudson, New York, NY 10533. Contents of the kit include a 35mm splicer for filmstrips and motion-picture film; a 16mm splicer for sound and silent film; repair jigs for 16mm film and for 35mm film (six each); a 1/4-in recording tape splicer; a cassette tape splicer; and five dispenser packages of assorted splice patches (about 1200 repair patches). Price of the kit is \$150.

Exdar Scribe Base scribe-coating specialty film designed for mapmakers has been announced by Kimoto USA, Inc., 2915 182nd St. Redondo Beach, CA 90278. Features of the polyester-base film include dimensional stability, unlimited storage life and surface hardness to prevent scuffing or marring by accidental movement of drafting tools. The coatings are supplied in red, yellow and rust colors in 20-yd rolls ranging in width from 36 to 48 in and 0.005 or 0.0075 in thick. Prices range from \$123.90 for a 36-in-wide roll 0.005 in thick to \$190.25 for a 48-in-wide roll 0.0075 in thick.

Optic Foam, a foaming-action lens cleaning product containing a formula designed to prevent fogging and to eliminate static has been announced by Sima Products Corp., 7380 Lincoln Ave., Lincolnwood, IL 60646. The cleanser was developed specifically for use on products with exposed lenses such as motion-picture and television cameras, microscopes, projectors, telescopes, etc. The price (in an aerosol container) is \$1.95.