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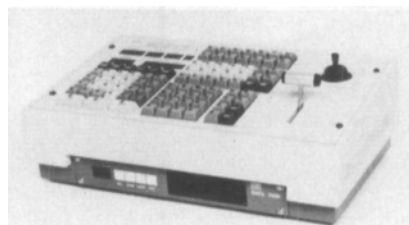
New Products

Further information about these items can be obtained 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.



3M D-6000 Panther graphics generator

The D-6000 Panther graphics generator has been announced by 3M Co., P.O. Box 33600, St. Paul, MN 55133. The product combines the capabilities of a character generator with those of a paint system. In addition, it can be connected with a terminal and used as a PC. The D-6000 accepts black-and-white input from copy cameras for loading stats and logos and allows coloring of logos via a stylus and digitizing pad. Additional features of the Panther include a built-in downstream keyer, real-time clock, multi-speed roll and crawl, timed sequencing, and proportional spacing, with four planes of 1024x512 pixels/plane.



NEC DVE[®] System 100 video effects system

The DVE[®] System 100 digital video effects system has been introduced by NEC America, Inc., 130 Martin Ln., Elk Grove Village, IL 60007. The System 100 has a 16-bit microprocessor for transparent effects processing and smooth transitions. Its automatically centering joystick provides accurate control over image positioning, aspect ratio, key gain, and the degree and position of image cropping. A



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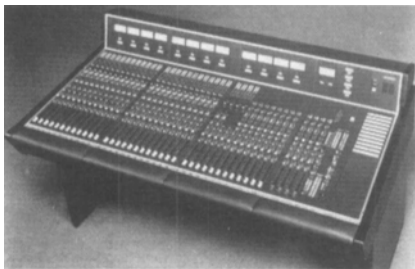
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digital shaft encoder provides 100% digital control over compression size and continuous mosaic. Other features include forced monochrome, 100-event on-board memory, 2-system control, and built-in combiner.



Studer Revox Model 963 mixing console

The Model 963 production mixing console has been announced by Studer Revox America Inc., 1425 Elm Hill Pike, Nashville, TN 37210. The console incorporates 40 inputs, 40 direct outputs, 4 stereo subgroups, and 2 stereo masters in a compact 6½-ft design. The Model 963 is based on a standard 30mm system, and its audio performance is PCM-compatible. Additional features include balanced inserts, external mute interface, full modularity, and patch bay.

The Model 2400 stereo audio time compressor/expander has been introduced by Lexicon Inc., 60 Turner St., Waltham,



Lexicon Model 2400 stereo audio compressor

MA 02154. The device, incorporating newly developed digital signal processing algorithms, changes the running time of video, film, or audio program material while maintaining the original audio pitch. The system is designed to interface with SMPTE or EBU time-code-referenced synchronizers or directly to tape machines with time-code follow capability. By generating variable rate time code, the play time can be controlled precisely. Using a synchronizer, both audio and video machines can simultaneously time compress/expand in sync.

The BVM-1310 broadcast monitor has been introduced by Sony Corp. of America, 9 W. 57th St., New York, NY 10019. The monitor incorporates high-definition LSI chip technology, and has a built-in current feedback system that ensures a color-temperature drift of less than 1% over 500 hr. Resolution is enhanced by CRT pitch of 0.25 mm. With 700 TV lines



Sony BVM-1310 monitor

in the center and 600 in the corners, the BVM-1310 offers more lines of total resolution than other display systems. The 14-in. unit features up to 6-dB aperture correction at 4.5 and 6.5 MHz, a dynamic comb filter for NTSC, and a maximum brightness of 80 fL.



Alan Gordon EOS/FAX animation controller

The EOS/FAX video animation controller has been announced by Alan Gordon Enterprises Inc., 1430 Cahuenga Blvd., Hollywood, CA 90078. The full-function microprocessor-designed EOS/FAX

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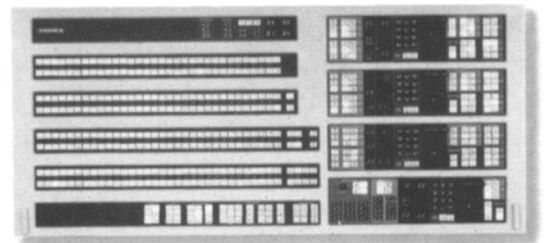
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VPR-6 Type C VTR




ADO digital video effects system



AVC-33 switcher

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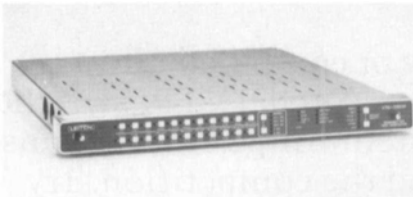


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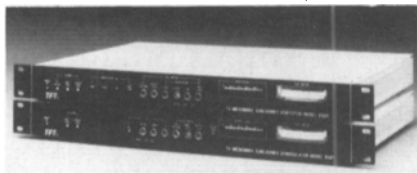
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controller is for frame-by-frame ¾-in. U-Matic video recording. The unit can be used for pencil tests, color checks, and time-lapse photography, and offers exposure control as well as instant replay of individual frames or entire sequences. The EOS/FAX is available in two models: the AC 580 controls the Sony VO5850 recorder, and the AC 580J controls JVC's CR8250 and PR8800 machines.



Leitch XTG-2500N test generator

An NTSC transmitter test generator and an NTSC studio test generator have been introduced by Leitch Video of America, Inc., 825K Greenbrier Cir., Chesapeake, VA 23320. The XTG-2500N NTSC transmitter test generator provides 22 computer-generated test signals specifically designed for AM transmission and TV transmitter applications. The internal RS170A genlock sync generator allows accurate phasing and maintains zero SCH on all color signals. The 22 computer-generated video test signals provided by the STG-2500N NTSC studio test generator are specifically designed for baseband video studio equipment and general in-plant applications.



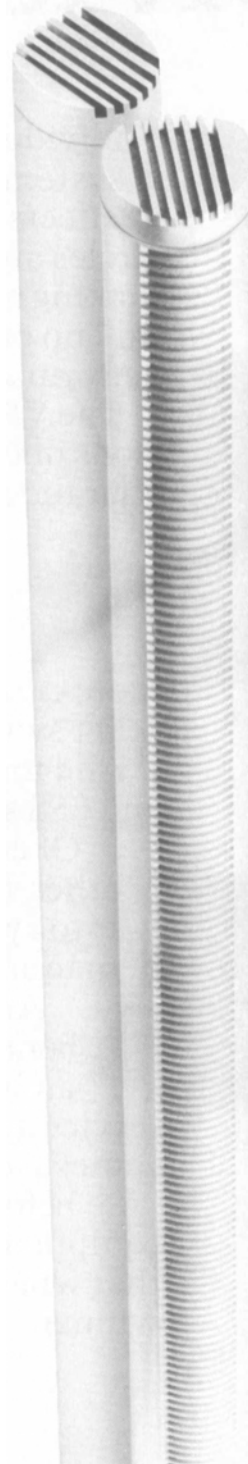
TFT Model 8500 composite subcarrier system

The Model 8500 composite subcarrier system has been announced by TFT Inc., 3090 Oakmead Village Dr., Santa Clara, CA 95051. The system accepts the outputs of BTSC generating equipment and injects the signal into a single video microwave subcarrier above video. The demodulator output is then fed into an aural exciter. An automatic modulation control circuit maintains a +0.1-dB drive level into the aural exciter automatically.

The TVM-210 and TVM-220 stereo television aural monitors have been announced by Belar Electronics Laboratory, Inc., P.O. Box 826, Devon, PA 19333. The TVM-210 reference monitor sets up, tests, and measures BTSC stereo television transmission systems, and provides accurately decoded left and right channel audio outputs. Two auto-ranging voltmeters allow easy measurement of total modulation, channel separation, signal-to-noise ratio, pilot level, and subcarrier rejection level.

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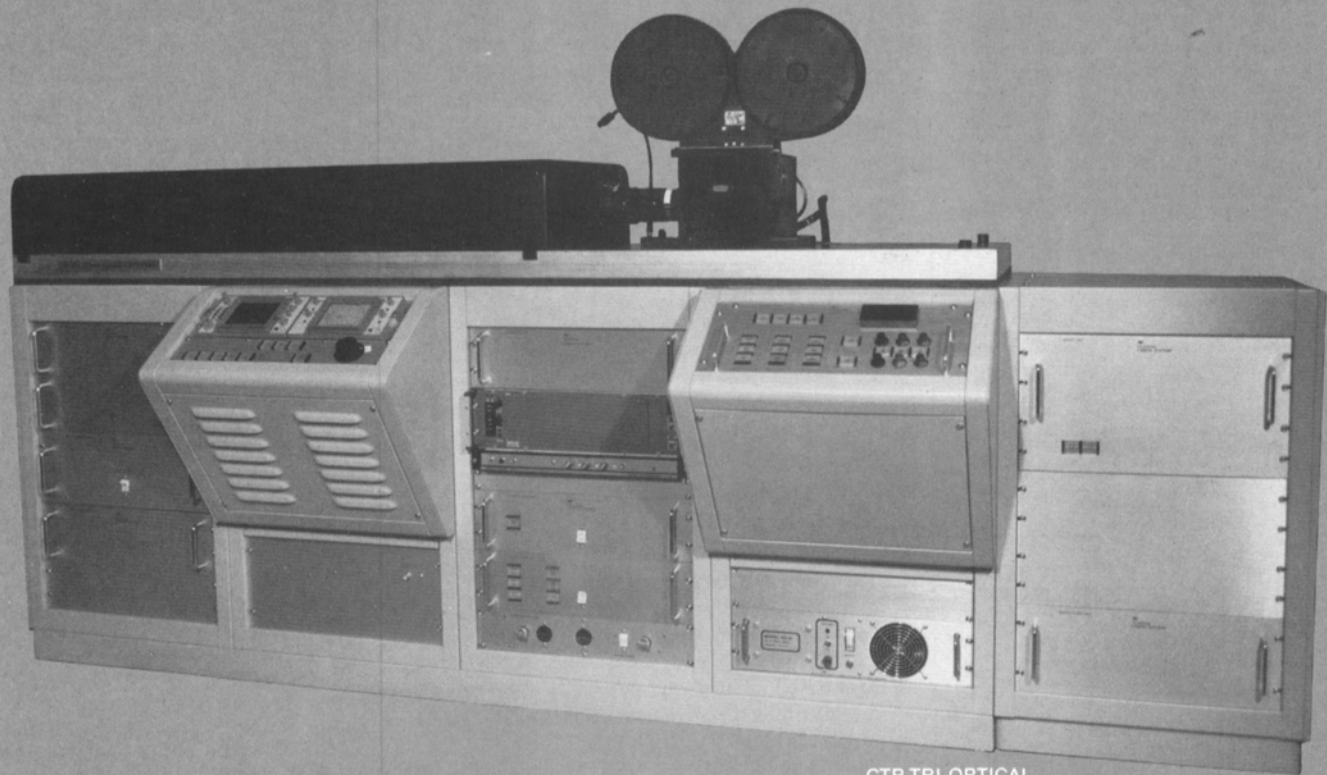
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Belar TVM-210 stereo television monitor

The TVM-220 program monitor, when used with the TVM-210, provides full-time monitoring of *L+R* and composite signal modulation levels. Both functions include digitally selectable peak indicators, along with fixed 100% peak modulation indicators.

The Model 390 noise-reduction unit for professional 3/4-in. VCRs has been introduced by Dolby Laboratories, 100 Potrero Ave., San Francisco, CA 94103. The unit provides Type-C noise reduction, which extends the audio SNR of 3/4-in. videotape by up to 20 dB. Its spectral skewing and anti-saturation techniques improve high-level, high-frequency performance. The Model 390 has LED displays for Dolby level calibration, and Play Uncal controls for temporary matching of recordings with nonstandard Dolby levels.



Wide Range Electronics Model 9210 degausser

The Model 9210 degausser for the erasure of higher coercivity tapes has been placed on the market by Wide Range Electronics Corp., 140 Sun Valley Circle, St. Louis, MO 63026. The device provides approximately 3000 effective gauss levels to erase tapes up to 16 in. in diameter and 2 in. wide. The degausser's coil is ferro-tuned; though the coil draws only 14 A, its capacity is equivalent to a standard coil that draws 32 A. Coil over-temperature is indicated by a lamp on the front panel.

A solid-state sensor has been announced by Eastman Kodak Co., 343 State St., Rochester, NY 14650. The sensor is capable of imaging 1.4 million individual pixels, nearly six times the information-gathering capability of other sensors on the market. The CCD sensor uses square pixels that are packed very closely together, which results in greater resolution. The tightly packed pixels of the sensor measure only 6.8 μ.

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Finally a good method of sorting good broadcast cartridges from bad ones. Lost air time is expensive if you just let them fail. The new T2-H7-AC tape tension gauge has special offset probes to fit inside the cartridge, to measure dynamic cartridge tension directly. Prices: \$345 to keep you "On the air".



NEW FOR VIDEO

A tape tension gauge for Sony, Ampex and Hitachi 1" Type "C" video recorders that will allow fast, easy measurements to make sure that the tape will interchange—tension measurement assures that servo arms and amplifiers are adjusted properly. The New T2-H18-CBD has small ball bearing probes to eliminate tape drag effects on the servo. The T2-H18-CBD reads directly in both grams and ounces on its special high resolution scale. Price \$690 for recording peace of mind. (Don't wait for the editor to tell you of a tension problem.)



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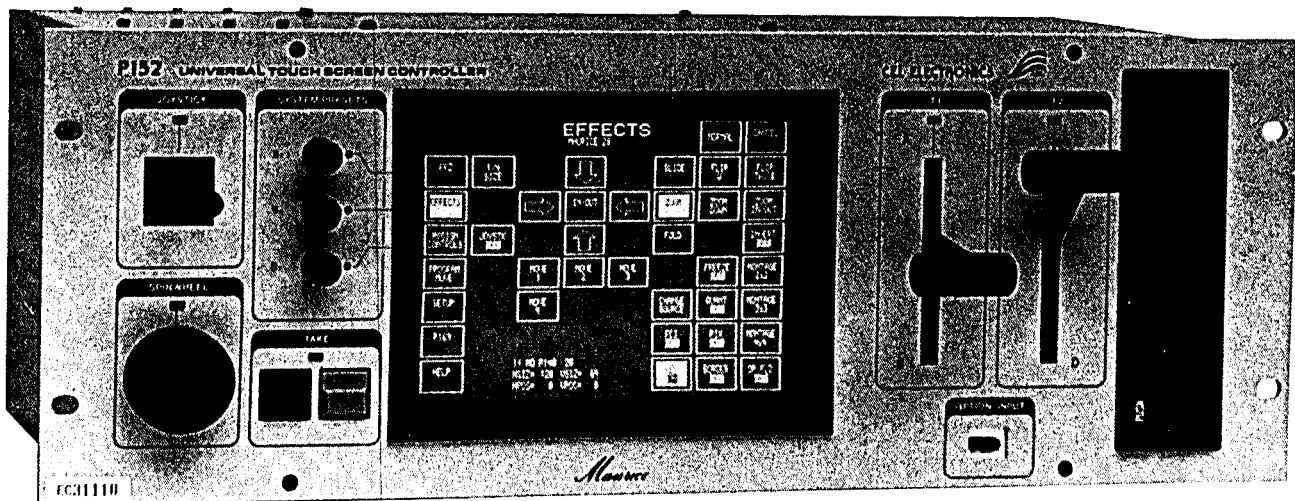


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Fuji MII 1/2-in. videocassette

The MII 1/2-in. videotape has been announced by Fuji Photo Film U.S.A., Inc., 555 Taxter Rd., Elmsford, NY 10523. The MII incorporates Fuji's Super Metalix technology, along with the company's other magnetic and binder technologies, to ensure recording quality, stable chemical characteristics, and tape durability. A special backcoating helps keep dropouts to a minimum, even after repeated recording and playback or dubbing.

The P17×16.5ESM, P20×14ESM, and P44×18ESM zoom lenses have been introduced by Fujinon Inc., 672 White Plains Rd., Scarsdale, NY 10583. Controls and adjustments common to the three lenses include back focus adjustment and lock, servo/manual switch for the built-in 2X extenders, zoom speed switch, and circuit breakers. All controls and adjustments are accessible without removing the shrouds. The lenses feature full modular construction.



Winsted E4950 compact editing console

The E4950 compact editing console has been announced by The Winsted Corp., 9801 James Cir., Minneapolis, MN 55431. Designed for both 1/2 and 3/4-in. front-loading VCRs, the console serves as a basic 2-machine editing console or can be set up for A/B roll. VCR and monitor shelves adjust vertically in 1-in. increments for editing efficiency and for maximum operator comfort. The console is only 28 in. deep.

An audio console interface and an edit decision list software product have been introduced by CMX Corp., 2230 Martin Ave., Santa Clara, CA 95050. The inter-

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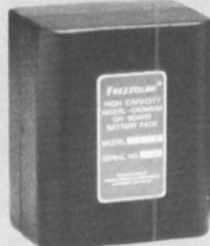
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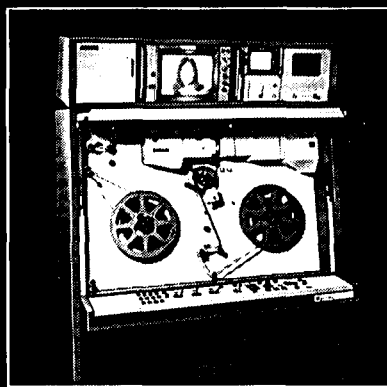


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face automatically controls CMX's Multi-I² for crosspoint selection and transition rate. It uses editing suite audio mixers (ESAM) Serial II protocol. CMX's new software product, the EDL Optimizer, provides for list cleaning, EDL sorting, and text editing. The Optimizer is available for either NTSC/SMPTE or PAL/EBU standards.



Diego Power-Trek™ power source

The Power-Trek™ ac power sources have been introduced by Diego Power, Eastgate Industrial Center, 5350 Eastgate Mall, San Diego, CA 92121. The power source units (500 and 1000 W), convert "dirty" unstable ac power into regulated 117-V ac, 60-Hz sine-wave power, without range switching or any other adjustment. They accept 85 to 280-V ac, 47 to 500-Hz inputs, and ride through brief dropouts.

The Powerhouse/500 standby power supply has been introduced by Dynatech Computer Power, Inc., 4744 Scotts Valley Dr., Scotts Valley, CA 95066. The unit provides protection for computer users in the event of blackouts or voltage drops. The compact, 35-lb unit responds within 5 msec of a power outage to provide up to 30 min of reliable ac current to the computer. Powerhouse/500 contains four ac receptacles for computers and peripherals drawing up to 500 W at 4.3 A.

A series of pan-and-tilt heads with companion tripods has been placed on the market by Innovative Television Equipment (ITE), 6445 DeSoto Ave., Woodland Hills, CA 91367. The camera support package features lightweight, compact, counterbalanced fluid-type heads with multi-drag controls, which can accommodate loads from 15 to 95 lbs. The heads and tripods are manufactured by Cartoni, an Italian company.

The "Cozies"™ series of battery-operated warming covers for cameras and VTRs has been announced by Perrott Engineering Labs, Inc., 7201 Lee Highway, Falls Church, VA 22046. The quilted, thermally insulated covers keep cameras and VTRs at a safe operating temperature, even at air temperatures lower than 0°, for prolonged periods of time. The covers are operated by Perrott's nickel-cadmium battery and are available in a variety of sizes.

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