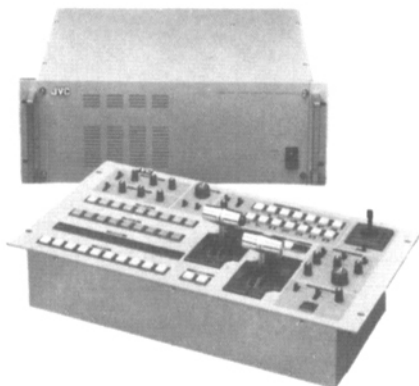


New Products

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.

A time base corrector/framestore has been announced by Digital Processing Systems, Inc., 55 Nugget Ave., Unit 10, Scarborough, Ont. M1S 3L1, Canada. The model DPS-275 freezes either two frames or any of four fields and digitally programs ten nonvolatile memories. Other features are variable strobe, chroma noise reduction, chrominance edge enhancement, hot-switch capability, input loss alarms, horizontal and vertical Y/C delay, and a built-in component test generator. The time base corrector will transcode between NTSC, Y/C 688, Y/C 3.58, MII, and Betacam; all outputs are available at once, regardless of input.

A special effects generator from JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407, offers a variety of wipes, transitions, and special effects. The model KM-



JVC special effects generator

2500 has all the features of its predecessor, the KM-2000, plus GPI remote-control connection, color-border wipe, and a color-bar generator for systems calibration. When the color-border wipe is used with a DSK fill signal, the border is the complement of the DSK color. An auto-transition function allows transitions of variable lengths to be made with a single button, while a background generator controls hue, saturation, and luminance for colors of any density.

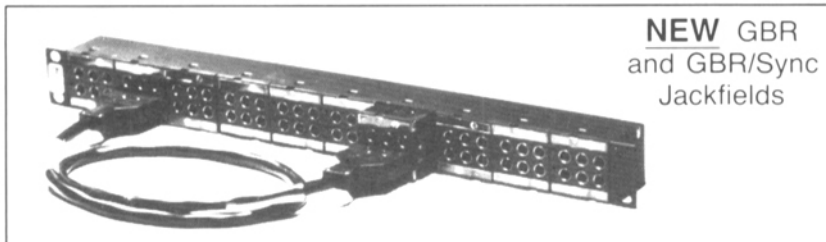
A VR console from Neve, Berkshire Industrial Park, Bethel, CT 06801, offers users the option of storing and recalling the settings of rotary, push button, and fader controls for rapid and accurate re-setting; high-resolution, color graphics provide a visual representation of the actual control surface. The console has a larger monitor section than other V-series consoles, plus improved auxiliaries and multiple-input overload indicators.

A new editing system has been introduced by Amtel Systems, Inc., 33 Main St., Suite 303, Nashua, NH 03060. The non-linear EPix hybrid system uses both tape and disc technology. As edits are selected from source videotapes, they are recorded on videodiscs where real-time previews and nonlinear editing are performed. Tape duplication, disc mastering, and logging functions are not required. Audio/video switching systems, list management, and film-conform capabilities are built into the EPix.

An editing control unit for the BR-S410UN camcorder is available from JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407. The model RM-G410U allows the camcorder to act as a feeder for a 45-pin editing recorder. Specific applications include scenes which must be edited from the recorded tape to conform to the for-

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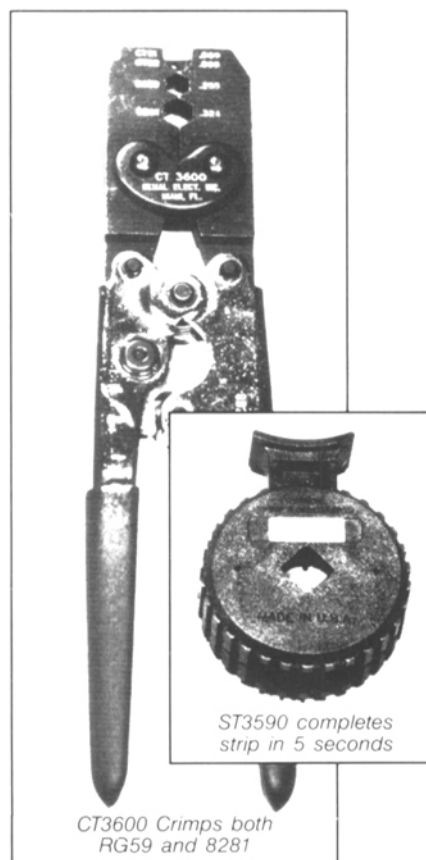
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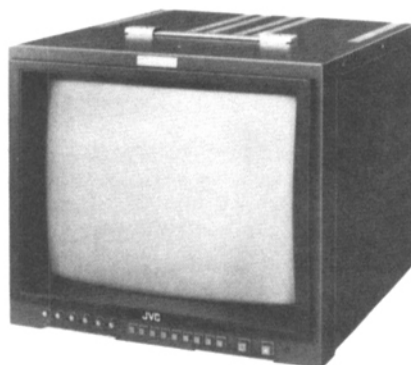
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Editing control unit from JVC Corp.

mat used for production. The editing control unit uses an LED display to instruct the operator in the sequence of editing tapes. Dial search abilities for both the player and recorder allow the RM-G410U to control the playback speed of either the camcorder or the editing recorder. Edit points held in memory can be displayed, as can the length of an edit from the edit-in point to the edit-out point. The RM-G410U also features a return mechanism for master edits, a frame switch that selects between 30-frame NTSC operation or 25-frame PAL/SECAM operation, and control of cassette ejection from the feeder or recorder.

A signal-processing device from Aphex Systems Ltd., 13340 Saticoy St., North Hollywood, CA 91605, has two modes of noise reduction and the SPR™ spectral phase refractor for improved bass clarity. The Aural Exciter Type III is a single-ended processor that can be used at any point in the audio chain without decoding. It recreates and restores missing harmonics for natural brightness, clarity, and presence. The aural exciter uses servo-balanced inputs to absorb high common-mode voltages typically found in long cable runs. Servo-balanced outputs will not short-circuit and can be used single-ended without the level loss of conventional designs. The drive control of previous models has been replaced with adjustable harmonics mixing, which allows the user to easily mix in the desired amount of harmonics.



JVC color monitor

A color video monitor, the VM-R140SU, has been introduced by JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407.

This monitor accepts composite signals through BNC and 8-pin connectors; component signals through a 12-pin connection for MII, BNC, and Betacam; Y/C signals through a 7-pin connector; and RGB analog signals through a BNC connector. High-fidelity color reproduction is achieved with a medium-resolution CRT and a comb filter that reduces cross-color distortion. The VM-R140SU allows internal and external synchronization with bridging. A pulse-cross circuit shifts the sync phase one-quarter horizontally and one-half vertically so a portion of the sync signal can be observed.



JVC remote-control unit

Also new from JVC is the model RM-G80U remote-control unit, designed to work with many VCRs. Because its counter operates from control signals on the tape, the unit is suited to review edits. A preroll function allows it to control a feeder VCR in an editing system. Other features include a counter display, dial search, and jog function.



Ampex digital audio tape on cassette

Digital audio tape is now available on cassettes from Ampex Corp., 401 Broadway, Redwood City, CA 94063-3199. The DATpak™ is a user-friendly packaging/labeling system that includes a two-cassette storage tray; a documentation area for storing track sheets, recording information, and/or duplicating instructions; and a labeling system with check-off boxes, track sheets, cassette labels, and extended J-cards. The 467 DAT (digital audio tape) products, previously available only on open reels, come in four lengths from 45 to 120 min.