

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.



Waveform/vector monitor combination, Tektronix, Inc.

A rack-mountable, single unit waveform/vector monitor combination, the 1750 (NTSC), 1751 (PAL), and 1752 (PAL-M) series, has been announced by Tektronix, Inc., P.O. Box 500, Beaverton, OR 97077. Features of the new series include SCH (subcarrier to horizontal sync) phase monitoring and measurement capa-

bility and full-function vertical interval line and field selection. The instrument provides SCH display, and line and field select with LED readout.

The Encore Memory system, a full-function memory with serial interface to computerized videotape editing systems, has been announced by Ross Video Ltd., P.O. Box 220, 9 Plaza Dr., Iroquois, Ont., Canada K0E 1K0. The Encore is available as an option on most Ross Video 500 series production switchers, and it can be retrofitted to systems in the field.

The Encore can remember all the settings of every switch, pushbutton, and knob associated with the multi-level effects system to which it is connected, including key levels, patterns, title borders and colors, and joystick position for pattern placement. The storage capacity is 100 separate switcher setups. A cassette tape option offers unlimited storage.

The K-110 ETC and the SC-18 ETC projectors, can now be used for making video and sound transfer of 8mm film to videotape, according to an announcement by Elmo Mfg. Corp., 70 New Hyde Park Rd., New Hyde Park, NY 11040. A projection

speed control has been added to the projectors, and the lamphousing has been adapted. The K-110 ETC is a projection system for silent 8mm and Super 8 films. The SC-18 is a projection and sound system for both silent and sound Super 8 films.



The Auto Repeater, Elmo Mfg. Corp.

The Auto Repeater, a programmable device for use with a 16mm film projector, has been announced by Elmo Mfg. Corp., 70 New Hyde Park Rd., New Hyde Park, NY 11040. Using this device, a 16mm film projector can be started, stopped, rewound, and restarted after a specific time interval. A preselected point is marked on the film, and when the point is reached, the Auto Repeater stops the projector and automatically rewinds the film. It can then turn off the projector, or show the film continuously after a predetermined time interval of from 1/10 min to 10 hr. It can also be restarted or stopped manually or by a combination of time intervals.

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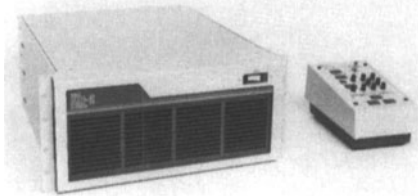
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PROFESSIONAL BROADCAST

CASSETTE

A **Mirror Image™** projection screen has been introduced by Protolite Corp., 985 Timothy Dr., San Jose, CA 95133. A total of 720,000 micro-mirrors™ are embossed into every square foot of the screen surface. The micro-mirrors direct all the projected light to a specific viewing area rather than diffusing it throughout the entire room. The micro-mirrors also direct ambient light away from the viewing area. Mirror Image technology benefits movie projection, especially 3-D projection.

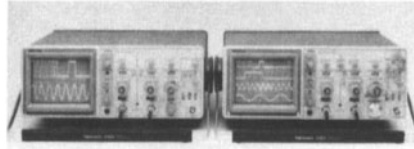


E-Flex Combiner/Chromakeyer, NEC America, Inc.

The **E-Flex Combiner/Chromakeyer option**, which combines video outputs and key signals of two separate E-Flex systems, has been announced by the Broadcast Equipment Div., NEC America, Inc., 130 Martin Lane, Elk Grove Village, IL 60007. The device enables a special effects editor to treat the combined output as a single video output with one key signal. It can be used in post-production fa-

cilities having production switchers with only two video mix keyers.

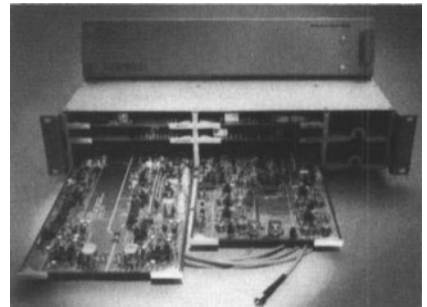
The Combiner/Chromakeyer includes a digital line chromakey adapter and a digital mixer-keyer. Through digital processing, the line chromakey function provides a stable key signal from each of the E-Flex systems. Color detection and assignment are automatic.



60-MHz portable oscilloscopes, Tektronix

Two improved oscilloscopes, the 2213A and 2215A, have been announced by Tektronix, Inc., P.O. Box 500, Beaverton, OR 97077. Features include a 10-MHz bandwidth limit switch, a single sweep mode and power-on light, and separate A/B dual-intensity controls for the 2251A. Improved CRT brightness results in sharp, clear traces at even the fastest sweep speeds. Applications include testing and TV troubleshooting.

An **audio with data option** for the Wavelink™ Model 3291 fiber optic communications system is being offered by the Grass Valley Group, Inc., P.O. Box 1114, Grass



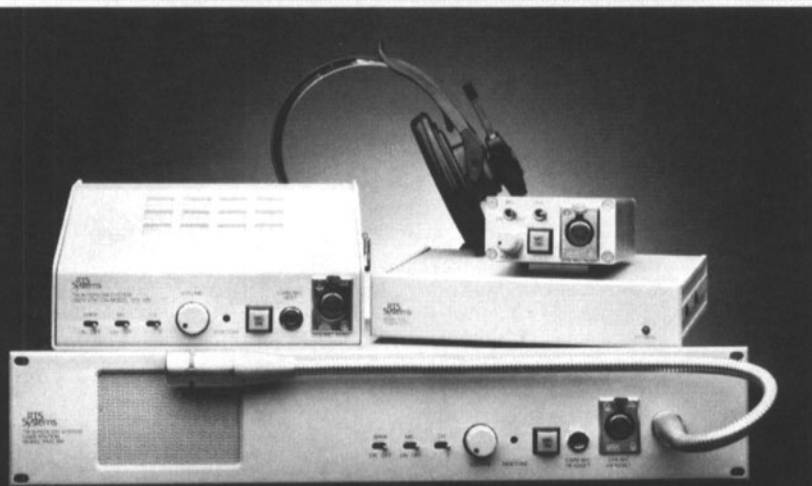
Wavelink™ fiber optic Model 3291 with dual-channel audio option, Grass Valley Group

Valley, CA 95945. Model 3291 provides concurrent audio and data transmission with video on a single fiber. The audio with data option is built on a single plug-in board that is fully interchangeable with any other option board.

The pre-emphasized baseband audio signal is modulated using a low-frequency carrier (100 kHz) and then modulated onto a 9.8-MHz carrier. Serial asynchronous data (up to 20K bits/sec) is input to the modulator board via an RS232 interface. It is band-limited to 500 kHz to limit the spectral width of the output and then modulated onto an 8-MHz carrier. The audio and data channels are summed together with the video channel to produce a resulting waveform that is frequency modulated on a carrier of 24 MHz.

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VE-92/C1-90 editing system, JVC Co. of America

The VE-92 editing system has been announced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. Features include the C1-90 character inserter, which makes "window dubs" (work tapes with visual time code inserted in the picture) possible. The C1-90 con-

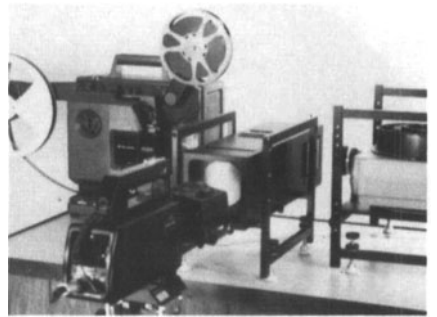
verts audio time-code signals from either a source tape or the VE-92's internal generator. The operator can change window size, location, and color (black or white). The unit can identify time code, drop-frame code, or nondrop-frame code, as well as video fields 1 and 2.

Other features include a built-in time-code generator and built-in time-code readers. The time-code reader converts standard SMPTE time code into data that can be displayed on a status display monitor. The VE-92 has an RS-232 port for printer or floppy disk interface, a black-fade module for creating 1-sec fades to and from black, and a character generator for "burning" time code into the video image.



Commander II video editing system, United Media

A compact, computer-assisted A/B roll video editing system that controls up to three VTRs or ATRs has been announced by United Media, 4075 Leaverton Ct., Anaheim, CA 92807. The system, the Commander II, incorporates the SMPTE time code together with list management and switcher interface.



Model 573-420 biphexer, Buhl Optical Co.

The Biphexer, Model 573-420, a device used to transfer slides or motion pictures to videotape, has been announced by Buhl Optical Co., 1009 Beech Ave., Pittsburgh, PA 15233. The Biphexer has two independent input ports, each of which may be equipped with a Super 8, 8mm, 16mm, or 35mm slide projector, enabling the operator to switch from one input to the other by rotating an internal mirror.

Features include an aerial image system which avoids image degradation from screen gain. A built-in collimating lens system allows the video camera to use its normal zoom lens without requiring closeup attachments or adjustments.

A caption generator, which produces printed instructions on the screen of a TV set when it is operated with a videodisk or videotape player, has been announced by RCA. The inventor, Charles M. Wine, is a member of the technical staff of RCA Laboratories in Princeton, N.J. A special feature of the generator is that information can be displayed on the screen even when there is no disk or cassette in the player.

Captions can be continuously displayed despite total or partial interruption of the signals that produce the picture and sound. Some typical captions that the device can create on the video screen are: "Please load the disk," "End of side 1," and band numbers that help the viewer locate certain sequences on a videodisk.

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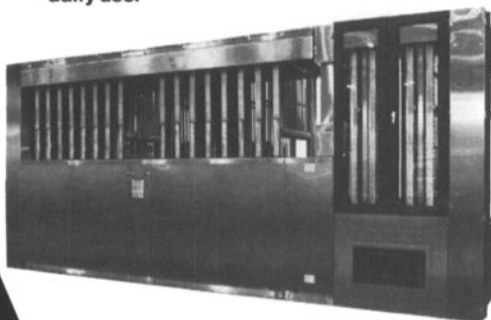
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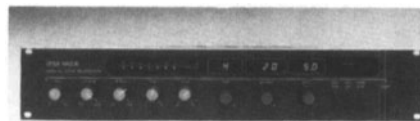
Alphonse Boehm M.B.K.S.,
Broadcast Engineering Consultant

51 Applegarth Drive,
Ilford, Essex IG2 7TQ.
U.K. England.
Phone: 01-590 1147



VP2 character and graphics generator, Chyron Corp.

A character and graphics generator, Model VP2, has been announced by Chyron Corp., 265 Spagnoli Rd., Melville, NY 11747. Features include 400,000-character storage and disk drive, 512 colors with 8 per page, and 6 full fonts from a complete Chyron library. Other features include character planes with full horizontal and vertical overlap to any depth, auto display of selected graphics pages from disk memory in any sequence, and palette animation.



StarGate 323 stereo digital reverberator, Ursa Major

The StarGate 323, a stereo digital reverberator for professional applications has been announced by Ursa Major, Inc., Box 18, Belmont, MA 02178. The 323 is a flexible device with eight room simulations, including tiny chambers, fast-diffusing plates, concert halls, and large echoing spaces. Digital readouts on the front panel show decay time, pre-delay, and room, while eight LEDs monitor signal level. There are also an input level control, an input-mute, reverb-clear, and dry-only buttons, each of which can be operated by foot pedals.



LDC-831 frequency counter, Leader Instruments Corp.

The LDC-831, a 150-MHz 4½-digit battery-powered frequency counter has been announced by Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788. Designed especially for field service applications, an optional ac adapter converts the device to bench use. Features include simple operating controls and a large, bright display.

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