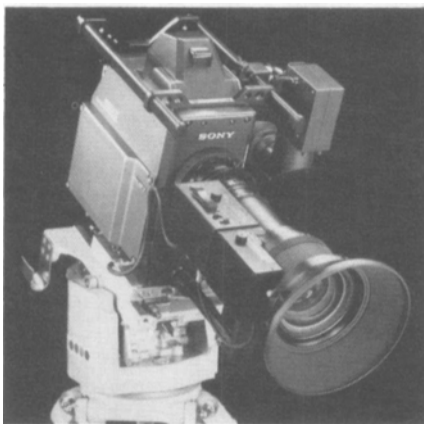
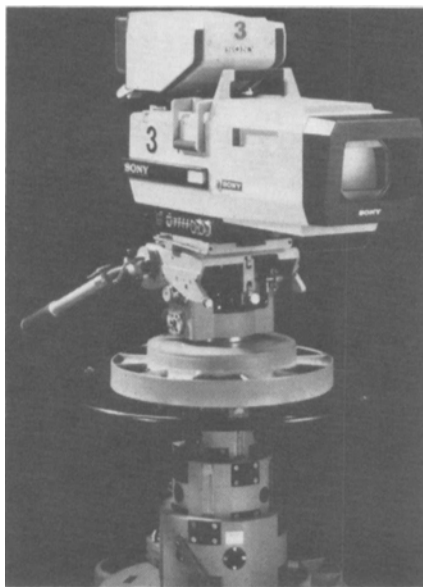


# NEW PRODUCTS

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.



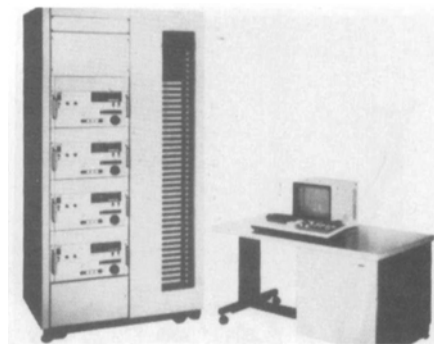
HDVS camera, Sony



BVP-360 field camera, Sony

A video production system, three cameras, and the Betacart™ are among products recently introduced by Sony Broadcast Products Co., Sony Dr., Park Ridge, NJ

07656. The high-definition video production system includes a 3-tube electronic cinematography camera, 1-in. 4-video-channel VTR, digital image enhancer and



BVC-10 Betacart™, Sony

noise reducer, down converter, and 10-ft projection system.

The BVP-360 field camera designed for sports and other field applications can also be used as a studio camera. It operates on a built-in component triax system for cable operation. The BVP-150 portable color video camera is designed for ENG and low-budget EFP operations. The Betacam™ Newsmaker™ camera/VTR, is a compact 1-piece camera. It can be used for hand-held coverage of events requiring maneuverability.

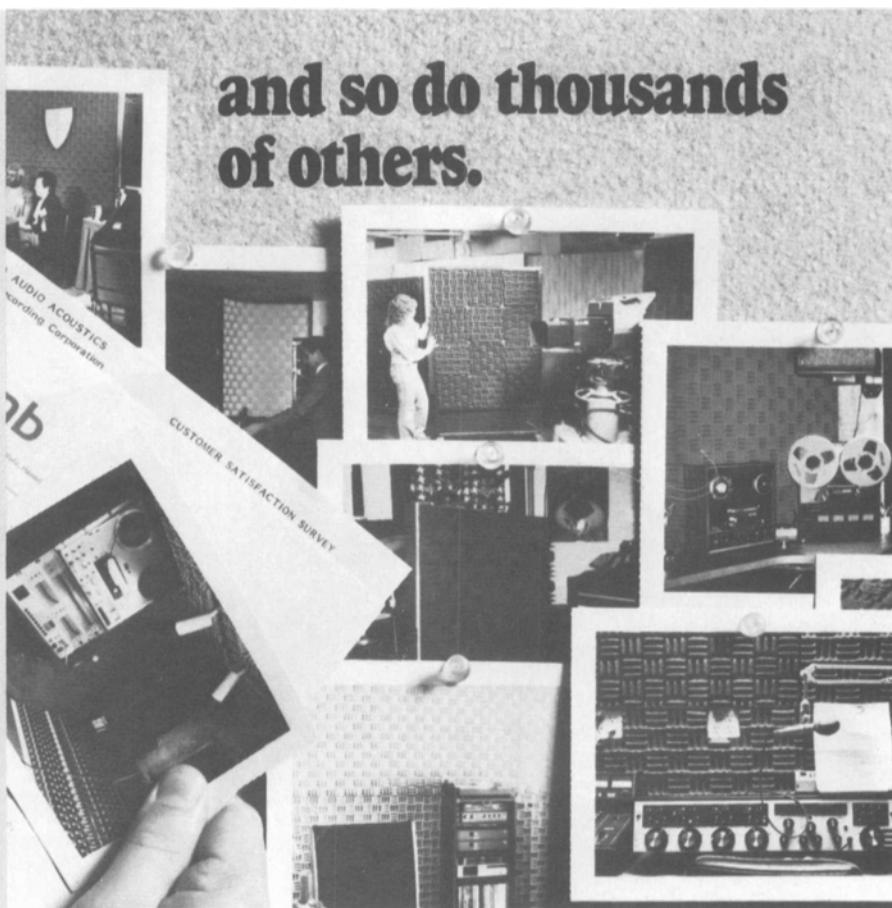
The Betacart, a multicassette playback system, is designed to expedite handling of a variety of video spots. It is based on four BVW-10-type decks, with an added storage bin that holds 40 Beta cassettes and an automatic elevator system that loads designated cassettes into specific transports at the desired time.

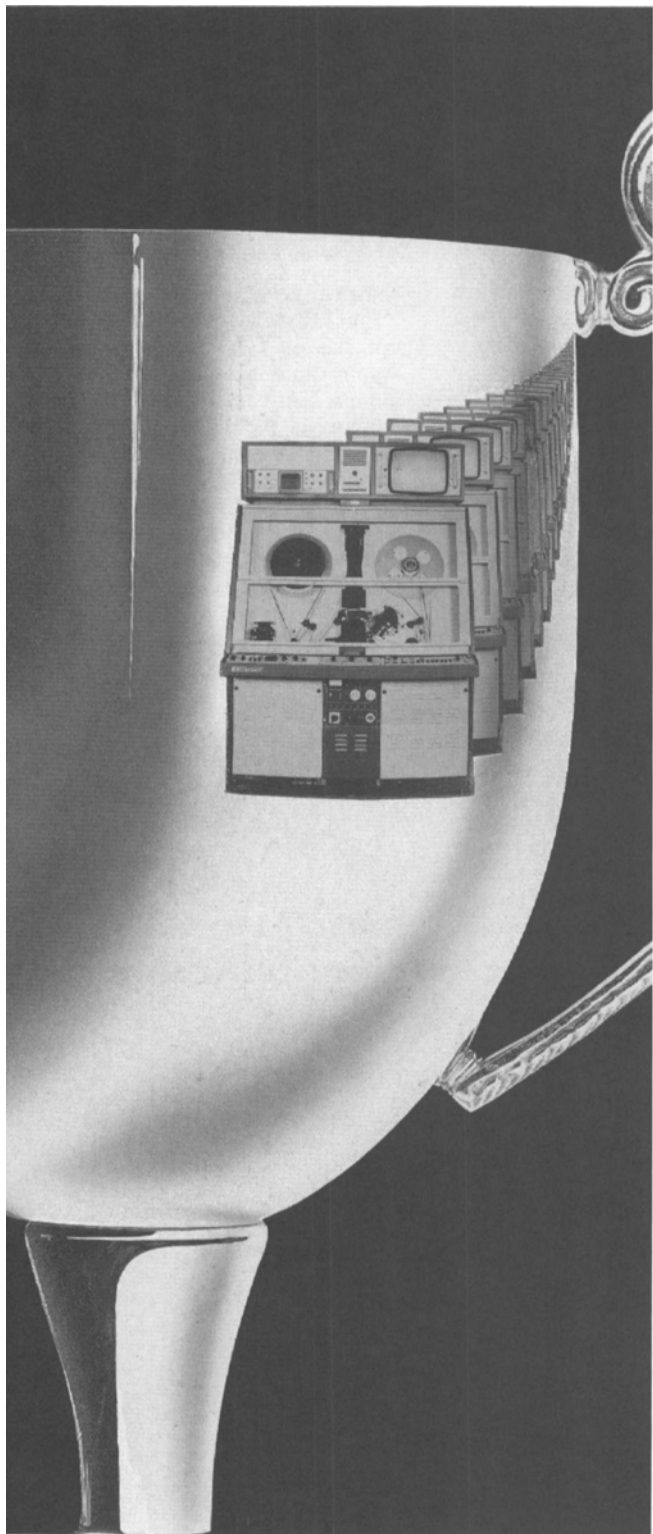
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# A TRUE REFLECTION OF ACHIEVEMENT



EC-35HD TV camera, Ikegami

Six new cameras have been introduced by Ikegami Electronics (USA), Inc., 37 Brook Ave., Maywood, NJ 07607. Two high-definition color TV cameras were announced, the HDK-1125 and the EC-35HD. These cameras operate on standards developed by the NHK (Japan Broadcasting Corp.). Information content is increased by a factor of five. The HL-95 Unicam®, an ENG/EFP camera, accepts all professional on-board VCR formats with either 1/4 or 1/2-in. tape. A building-block design permits the camera to be used separately or in at least 11 other configurations.

The HK-322 studio/field camera can use 1/4 or 1-in. pickup tubes, and a third-generation centralized digital control system permits the setup of up to 24 individual cameras, sequentially or simultaneously from a single control panel. A portable ENG/EFP camera, the ITC-

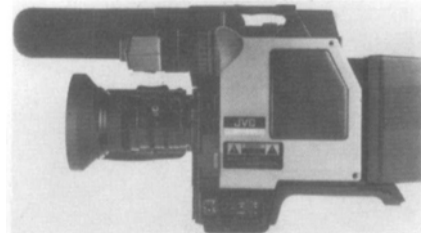
730A, is intended for industrial users, TV stations, and cable operators. A telecine camera, the TKC-990, has automatic setup for use in on-air TV or post-production.



TM14-10RH color monitor, Ikegami

New Series 10 broadcast monitors have been announced by Ikegami Electronics (USA), Inc., 37 Brook Ave., Maywood, NJ 07607. Both models, the TM14-10RH (14 in.) and the TM20-10RH (20 in.), have shadow-mask tubes, matched color phosphors, and active convergence circuitry.

Four new cameras and a video editing controller have been introduced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. The ProCam™ KY-320 is a portable camera incorporating three 2/3-in. Plumbicon® pickup tubes and high-resolution prism optics. Features include a 2H vertical contour correction circuit, color-framing output signal, split-field



BY-110U camera, JVC

color bar generator, and genlock circuit.

The BY-110U, a 3-tube Saticon® camera, has an *f*/1.4 prism optical system. Applications include ENG, EFP, and studio use. A backup battery retains the memory of the digital auto-circuits. The KY-210U is a rugged, moderately priced camera, requiring illumination of only 40 lux with a standard lens. The GX-S700U 1-tube camera uses a Saticon pickup tube and a new multiplex crystal filter, installed between the lens and the pickup tube, to minimize color interference.



GX-S700U camera, JVC



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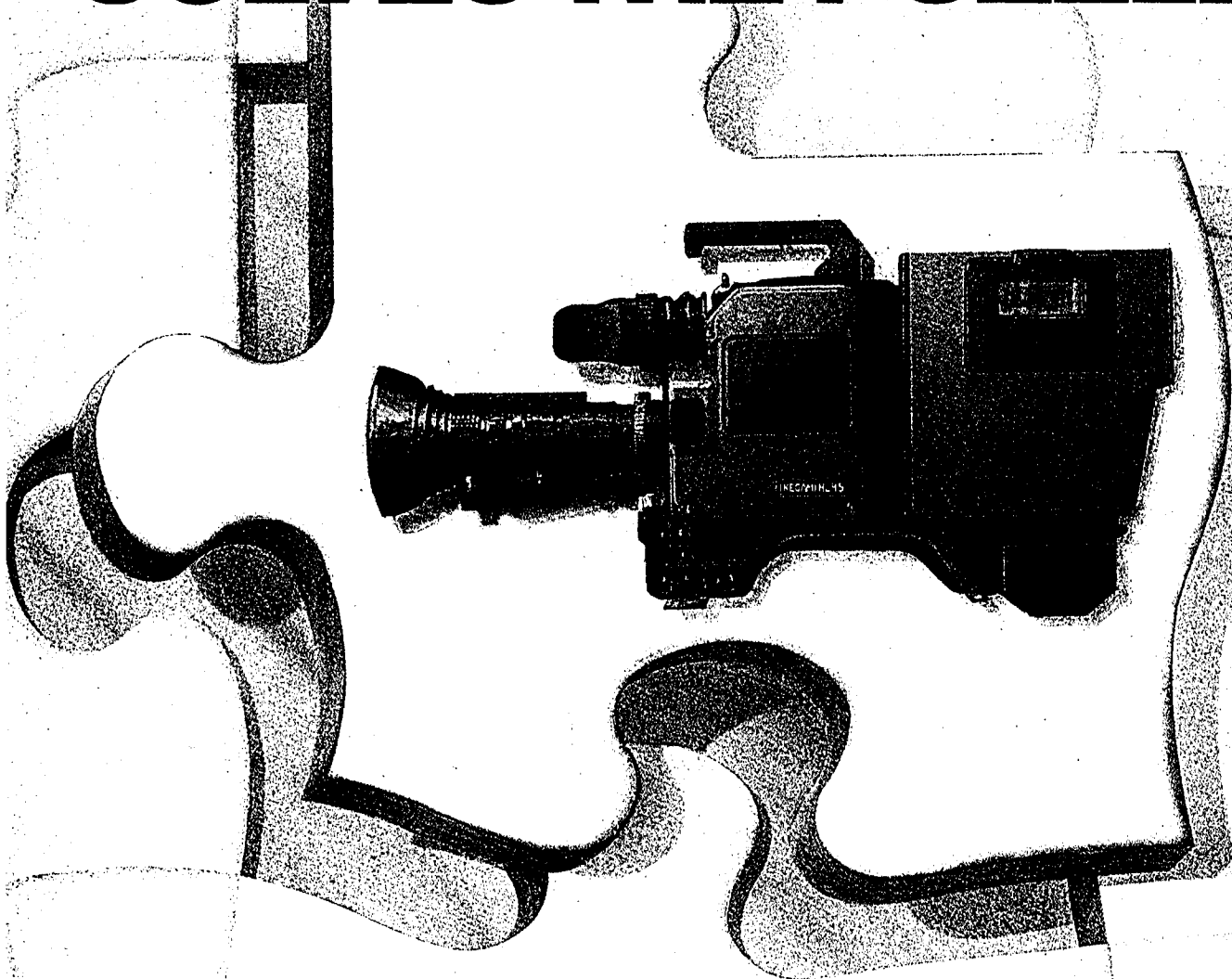
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Engineered to offer performance beyond the most rigid expectations, the HL-95 utilizes new 2/3-inch SM diode gun Plumbicons® resulting in a camera with higher sensitivity and S/N ratio, greater resolution, lower operating power requirements and less registra-

tion error than previously possible in a camera of its size and weight.

The HL-95 is also available as a stand-alone ENG camera, and in systems configurations using Triax or Multi-core cable base stations, or with the ML-95 ENG Microwave Link. Once you examine the HL-95 Unicam®, you'll agree that the system flexibility and picture quality puts it in a class all by itself. The standard of excellence continues at Ikegami.

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VE-93 video editing controller, JVC

The VE-93 video editing controller offers time-code offset compensation that adjusts the time-code value by a specified number of frames to compensate for variations between VCRs. The mechanism adds or subtracts frames to the true time code and is referenced internally by the controller for display on the status monitor and edit decision list printout.

Six new lenses have been introduced by Fujinon Inc., 672 White Plains Rd., Scarsdale, NY 10583. The two doors of the P17×16.5ESM can be opened for access to zoom speed and auto/manual extender controls and lighting level adjustments. With the doors closed, viewing ports show zoom focal length and iris position scales. Two of the lenses, the A17×9ERM and the A14×9ERM, are weatherized zooms. The VTR start/stop and return video controls are rubber-gas-

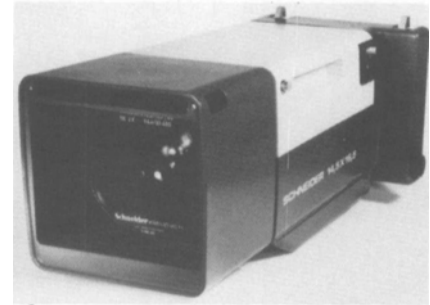


Two-door lens P17×16.5ESM, Fujinon

keted pushbuttons. An internal gasket protects the auto/manual iris switch and a lip surrounding the zoom rocker control prevents entry of water.

A studio/field lens, the A44×9.5ESM, can zoom out 26× with no loss of aperture. At the full 420mm tele position, the aperture is  $f/2.8$ , and a built-in extender gives it an overall range 9.5 to 840mm. The S14×6.6ERM zoom lens is designed for  $\frac{1}{2}$ -in. format cameras and can zoom out

13.2× with no loss of aperture. The P20×15ESM is a 20× zoom lens with a maximum aperture of  $f/2.1$  that remains flat from 15 to 210mm. Two windows on the side of the lens show the focal length and iris position.



Wide-angle zoom studio lens, Schneider Corp. of America

A wide-angle 14.5× lens for studio cameras has been announced by Schneider Corp. of America, 400 Crossways Park Dr., Woodbury, NY 11797. The lens zooms from 13 to 190mm, and with the built-in extender, it can zoom from 26 to 380mm. Maximum aperture is  $f/1.7$ . Features include low geometric distortion, high MTF, and improved color correction throughout all points of the zoom range.

A newly designed optical system for the 15×13/15×17mm broadcast zoom lens

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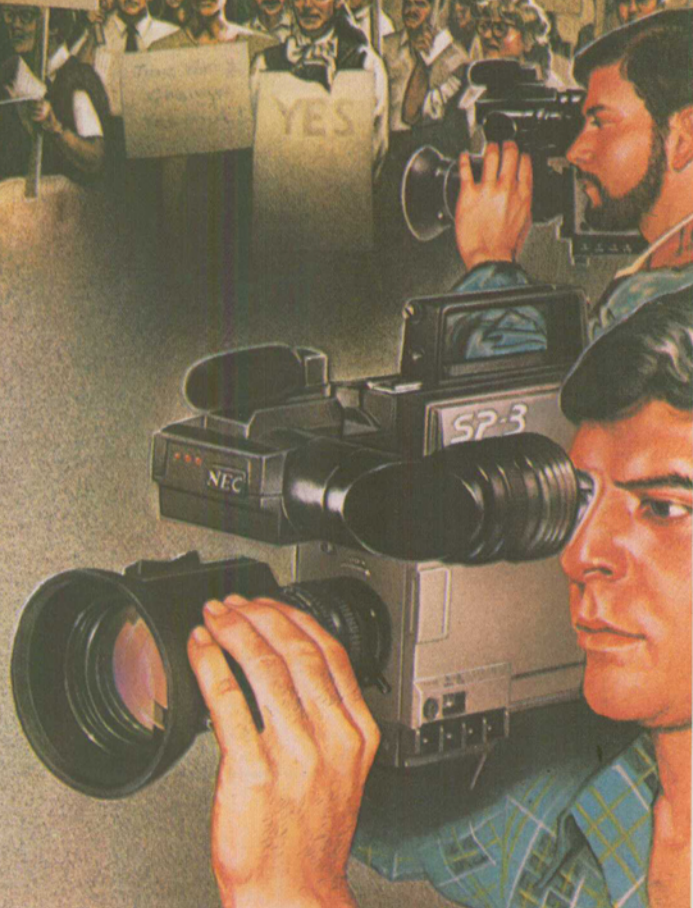
And the price? Perhaps the most newsworthy part of our story. \$16,900 for the camera without lens. To find out more, call NEC toll free at 1-800-323-6656.

Just remember. If you want reliability, it's in the chips. And on the streets.

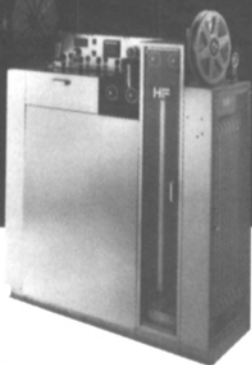
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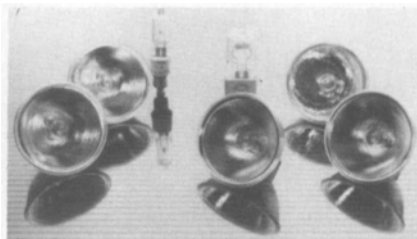
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has been announced by Angenicux Corp. of America, 7700 N. Kendall Dr., Miami FL 33156. The 15X13mm is for 1-in. format cameras; the 15X17mm for 1¼-in. cameras. Designed for both studio and field use, the lens has a 52.5° angle of view with a minimum focusing distance of 31 in. The lens has a built-in 2X range extender and a new diascope design for cameras with automatic setup facilities.



*Sylvania tungsten halogen lamps, GTE*

A new line of Sylvania tungsten halogen lamps has been announced by GTE Lighting Products, Sylvania Lighting Center, Danvers, MA 01923. For use as supplemental light sources with video cameras, the lamps deliver high light output in a range of color temperatures and beam patterns. Ten types are available, ranging from 42 to 250 W. The lamps help eliminate contrast problems, poor image definition, and graininess. Eight lamps are rim-mount types with the tungsten halogen capsule located in the center of the reflector unit. Two others have no integral reflector. Lamp life ratings range up to 3500 hr with color temperatures between 3050 and 3350°K and center beam candle power of 991 to 15,000.

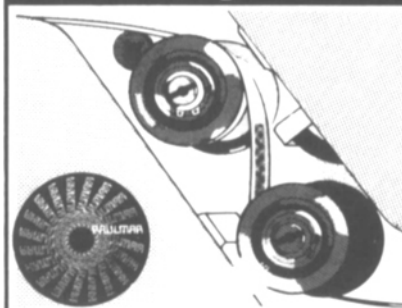


*Xenon Super Trouper™ follow spotlight, Strong Electric*

The Xenon Super Trouper™ follow spotlight has been announced by Strong Electric, 87 Park Ave., P.O. Box 1003, Toledo, OH 43602. When equipped with an optional 2000-W xenon bulb, the unit is designated Model 83053. Previous Super Trouper were equipped with either 1000 or 1600-W bulbs.

The TH-900, a new 1-in. videotape recorder, has been announced by RCA, Rt. 38, Bldg. 206-1, Cherry Hill, NJ. The VTR is

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TH-900 recorder, RCA

manufactured by Ampex and marketed by RCA and is available in NTSC, PAL, and SECAM standards. Features include a tape-handling system that eliminates pinch rollers and provides smooth tape handling. High-speed tape movement minimizes delays in editing operations. Fast acceleration results in rapid retrieval of short segments.

The recorder's scan tracking system permits variable play speed. The unit can be rack mounted, placed on a table top, or incorporated into a studio console equipped with monitors for picture, waveform, and vectoring. A built-in editing system can control multiple machines, and a fluorescent display window provides operator interface for various modes and control functions.



Modular components for top-loading VTRs, The Winsted Corp.

Modular components designed for top-loading VTRs have been announced by The Winsted Corp., 9801 James Circle, Minneapolis, MN 55431. The 30-in. modular components have full 20-in. extension shelves that pull out to allow convenient access to VTRs and full visibility of controls. Components can be divided into standard 19-in. rack space and half-rack space for speakers, oscilloscopes, or mini-monitors.

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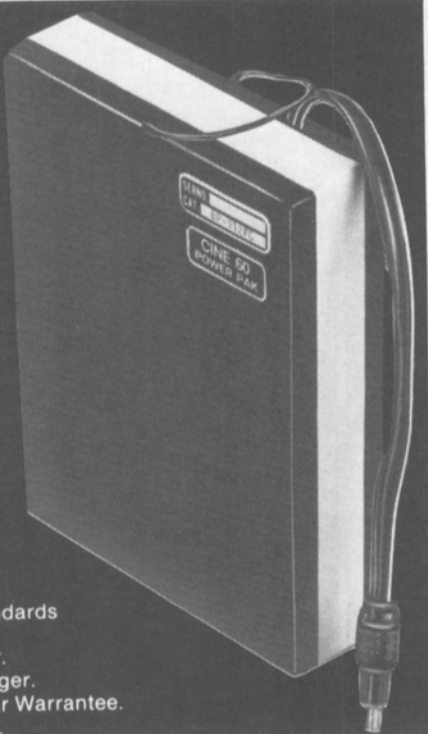
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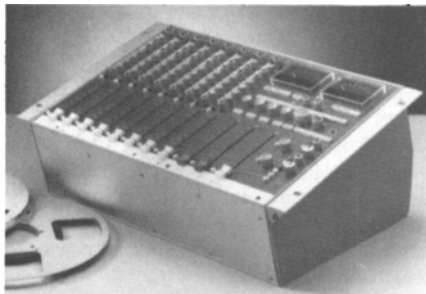


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Model 1300 audio delay synchronizer, Lexicon

The Model 1300 stereo digital audio delay synchronizer has been announced by Lexicon, Inc., 60 Turner St., Waltham, MA 02154. The unit is designed to optimize audio synchronization with video signals in any professional broadcast environment. It compensates for video delay, holding lip sync regardless of the digital video processors in use, and compensates for satellite transmission delays. It also decodes the hysteresis frame offset information from any video synchronizer, provides transparent audio processing, and conforms to the 16-bit standard.



Minimixer, rackmount version, Audio + Design/Calrec

The M Series compact Minimixers have been announced by Audio + Design/Calrec, Inc., P.O. Box 786, Bremerton, WA 98310. Features include two frame sizes to cover 8 to 16 channels, optional twin compressor-limiters, 30mm modules, Mic/Line input selection with 10-dB/step switching, phase reversal plus high and low-pass filters with 3-band equalizer per channel. Five models are available including table-top and rackmount versions.

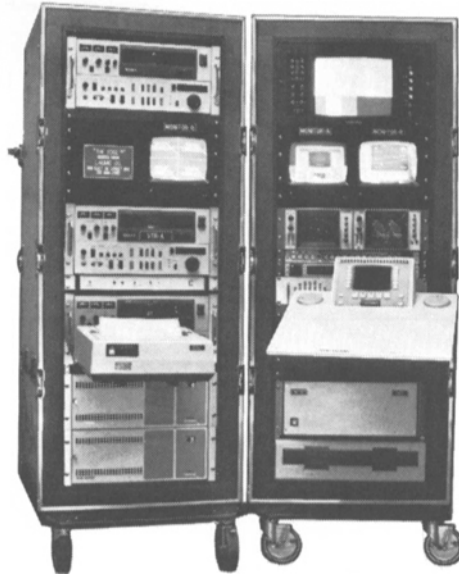


The MX-1001 microphone/mixer, Comprehensive Video Supply

A portable microphone/mixer, the MX-1001, has been announced by Comprehensive Video Supply Corp., 148 Veterans Dr., Northvale, NJ 07647. Features include three inputs with individual switch control for line-level, mike-level, and phantom power (up to 54 V dc), individual volume control, low-cut filter switches, and -20-dB attenuator switches.

SMPTE Journal, September 1984

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