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SMPTE has a full line of test materials for television and motion pictures. The SMPTE has monochrome TV test patterns, color TV subjective reference films and slides, photographic sound test films, magnetic sound test films, and a complete range of projector performance films. Most TV films are available in 35mm, 16mm, and 2 x 2-inch transparencies. The sound films are available in 35mm and 16mm (the magnetic sound films are also available in super 8), and the projector performance films are available in 35mm, 16mm, super 8 and regular 8, depending upon the film type. Films are in stock for immediate shipment. All films are guaranteed.

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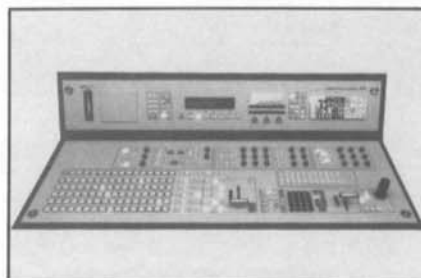
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New Products

Further information about these items can be obtained from the addresses given. As with technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.

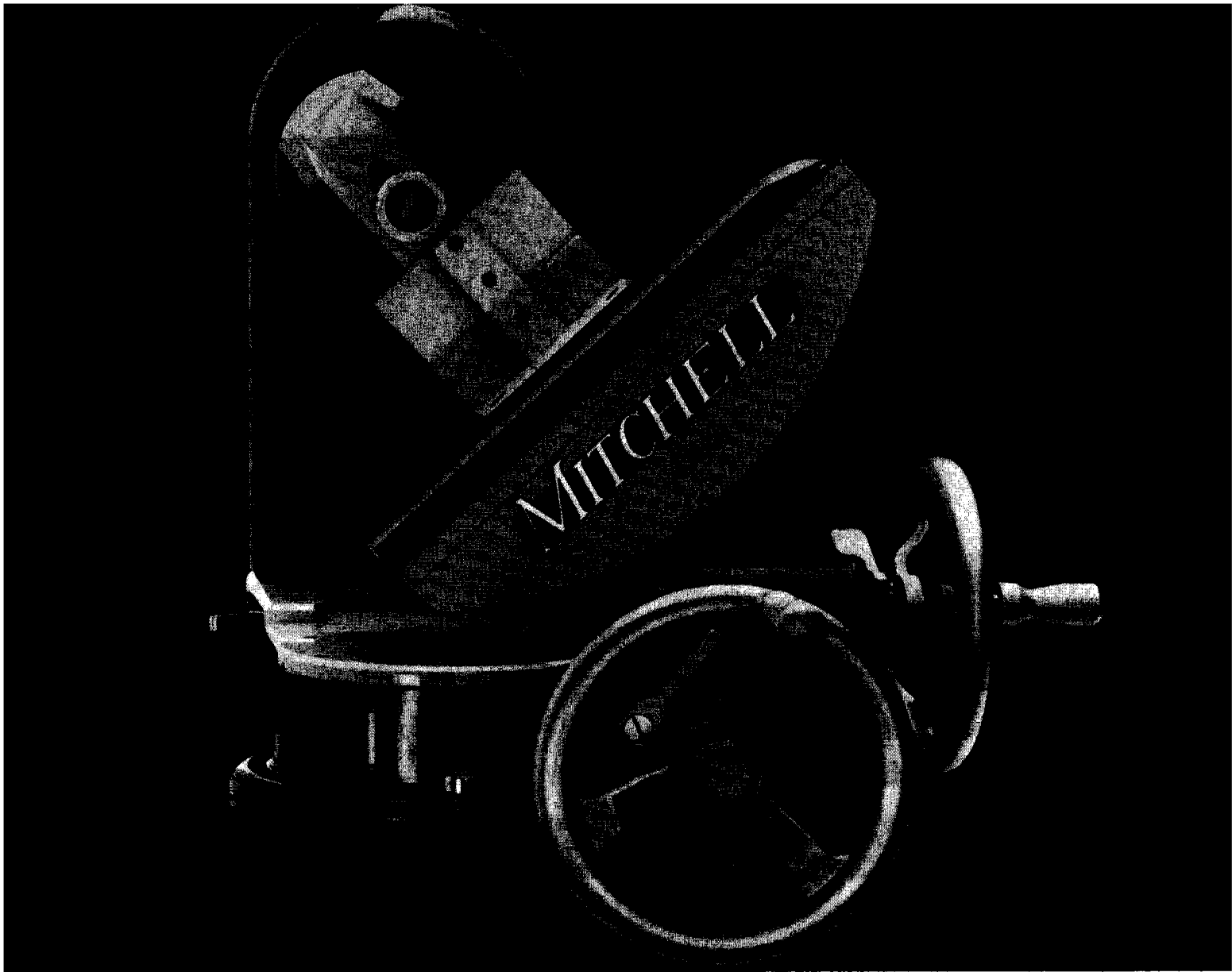


Grass Valley Group Kadenza™ DPP-1

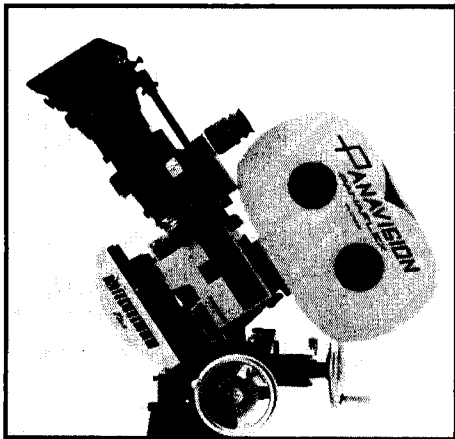
A digital picture processor and an integrated production system are two of the products introduced by Grass Valley Group (GVG), P.O. Box 1114, Grass Valley, CA 95945. The Kadenza™ DPP-1 digital picture processor offers complete system integration of digital effects and switcher functions. Based on GVG's Kaleidoscope™ digital effects technology, it achieves superior picture quality, due in part to the fact that all compositing is performed in the digital domain with 10-bit precision. The system can accept any combination of analog-composite, analog-component, and 4:2:2 digital-component signals, with output provided in all three formats. A total of five digital video processor channels can be controlled at any one time, each channel representing one layer of the final composite. The degree of flexibility and quality afforded by the Kadenza system enables it to be used in analog and digital environments alike.

GVG's compact integrated production system, IPS-100, intended for on-location post-production applications, contains a Model 100 switcher, edit controller, AMX-170 audio mixer, and sync and pulse generators with test signals. The system can handle up to four VTRs via an RS-422 interface; the edit controller, based on the DEC LSI 11/73 microprocessor, can store over 1000 edit lines in active memory and operates Super-Edit™ software. Options for the IPS-100 include a Dubner character generator board, two shock-resistant carrying cases for ENG applications, and EDL-XT™ deluxe software.

A programmable signal generator and component-analog video D/A and A/D transcoders are three products introduced by Magni Systems, Inc., 9500 SW Gemini



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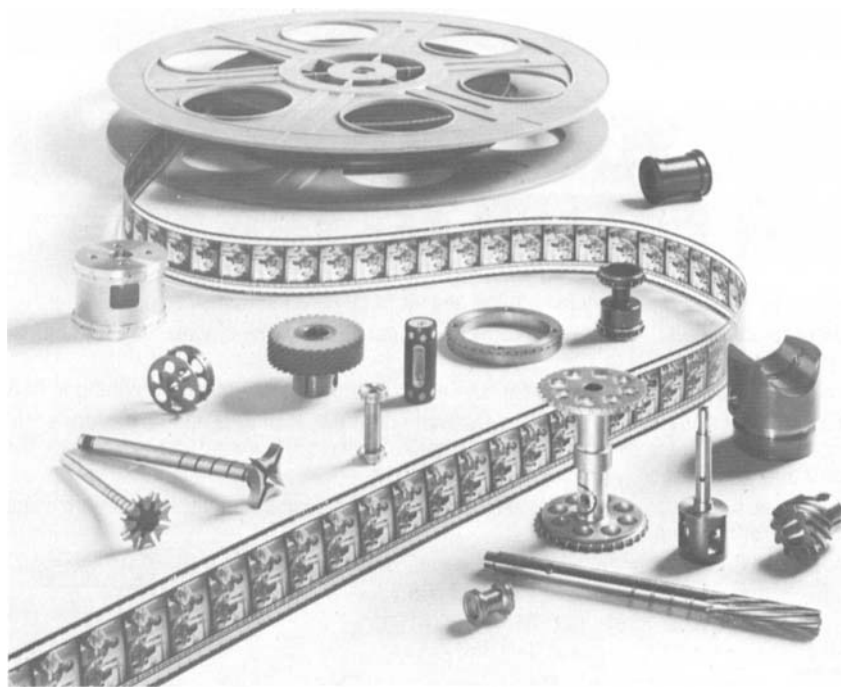
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Magni Systems 125DA transcoder

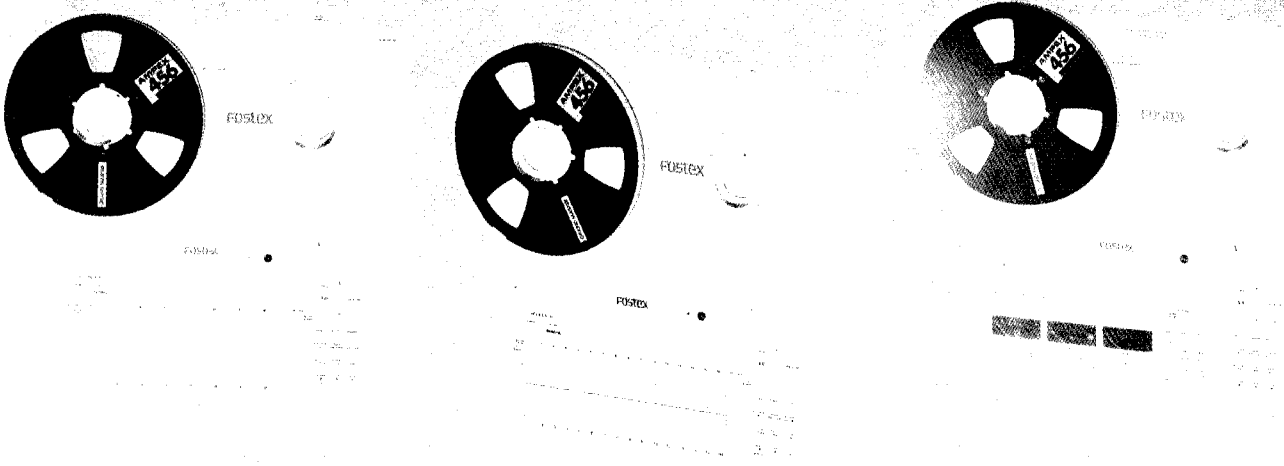
Dr., Beaverton, OR 97005. The programmable signal generator, Model 2021, is a three-channel unit which may be configured with up to four of the many test signal file sets available for the Model 2015 programmable signal generator. Loaded from a personal computer, the file sets include standard NTSC signals, PAL, SECAM, 4:2:2 component-digital, component-analog video (CAV) signals for all current standards (in both 525 and 625-line formats), and HDTV signals. The signal sets are stored in nonvolatile memory and are selectable by means of a front panel switch, features that allow the unit to be operated on a standalone basis once the signals are loaded from a PC.

Providing switchable 8 or 10-bit performance, Models 125AD and 125DA CAV-digital 4:2:2 transcoders support any of the current component-analog video standards at both input and output: *GBR* (with or without sync on green), Beta, MII, or SMPTE/EBU formats. The units are wideband, with each channel providing its own independent, full-bandwidth, 10-bit converter. A digital test signal generator, producing a set of signals for timing as well as for color bars, is offered as an option for the 125AD. A further option allows any of these test signals programmed to appear on any line or lines in the digital output as a "digital VITS."

A 3-perf 35mm film gate adaptor kit has been announced by Rank Cintel, Inc., 704 Executive Blvd., Valley Cottage, NY 10989. The first factory-approved adaptor kit for Rank's Enhanced MkIIIC flying-spot telecines allows the transfer of 3-perf, as well as 4-perf, 35mm film, a capability that could translate into considerable savings in film costs. The kit, once installed, retains all existing telecine functions in both 3 and 4-perf modes, and is suitable for all Enhanced MkIIIC Digiscan III and Digiscan 4:2:2 telecines fitted with Varispeed and X-Y zoom. The Rank Cintel 35mm 3-perf steadyguide gate kit comes complete with identifying connector, 3-perf sepmag sprocket, 4-perf sepmag sprocket, a set of ICs, and fitting and modifying instructions.

A line of electronic projectors has been announced by Pioneer Technology Corp., 1021 N. Lake St., Burbank, CA 91502. The PTC line of projectors features electronic registration and pulldown, eliminating the pulldown claw and mechanical registration pin that contribute to film wear. The projectors provide flicker-free

*The E-Series
F is for Excellence*



Audio professionals everywhere are turning to the Fostex E-Series recorders for their production and post-production needs. So much so, you hear the results of their work nearly every day — in movie soundtracks, commercial and cable television shows, industrial and educational films and videos and, of course, hit records.

The E-Series features gapless "punching" so there's no blank space after the punch-out point. Only recorders which are much more expensive offer this sophisticated function. But since you can't run a fully automated system without it, Fostex includes gapless punch-in/out as standard equipment on the E-Series.

Also standard is a synchronizer port which will interface with all SMPTE time code based systems. When used with the Fostex synchronizer, Model 4030, you can then use our software program to perform sophisticated audio assembly editing.

Models E-8 and E-16 are multitrack recorders with built-in noise reduction.

Models E-2 and E-22 (not shown) are 2-track master recorders with a third, center channel for SMPTE time code control. This is a standard feature, not an option. You will have complete compatibility with existing 2-track tapes, plus the ability to run computer derived edit decision lists and full automation.

Servo control of the reels in the edit mode will help you pin-point cues and spot erase. When the pitch control is engaged, the exact percentage of speed deviation is displayed so that when you need to re-set the control, you can do so precisely, and the real-time counter features search-to-zero even from the negative domain.

The E-2 uses 1/4" tape at 7-1/2 & 15 lps (15 & 30 lps speeds are optional); the E-22 uses 1/2" tape at 15 & 30 lps.

When an E-Series recorder is used with Fostex Model 4050 — autolocator and SMPTE to MIDI controller — you have programmable punch-in/out, 100-point autolocate capability, 10 programmable edits, a SMPTE time code generator / reader (all four formats), plus the ability to locate to the bar and beat.

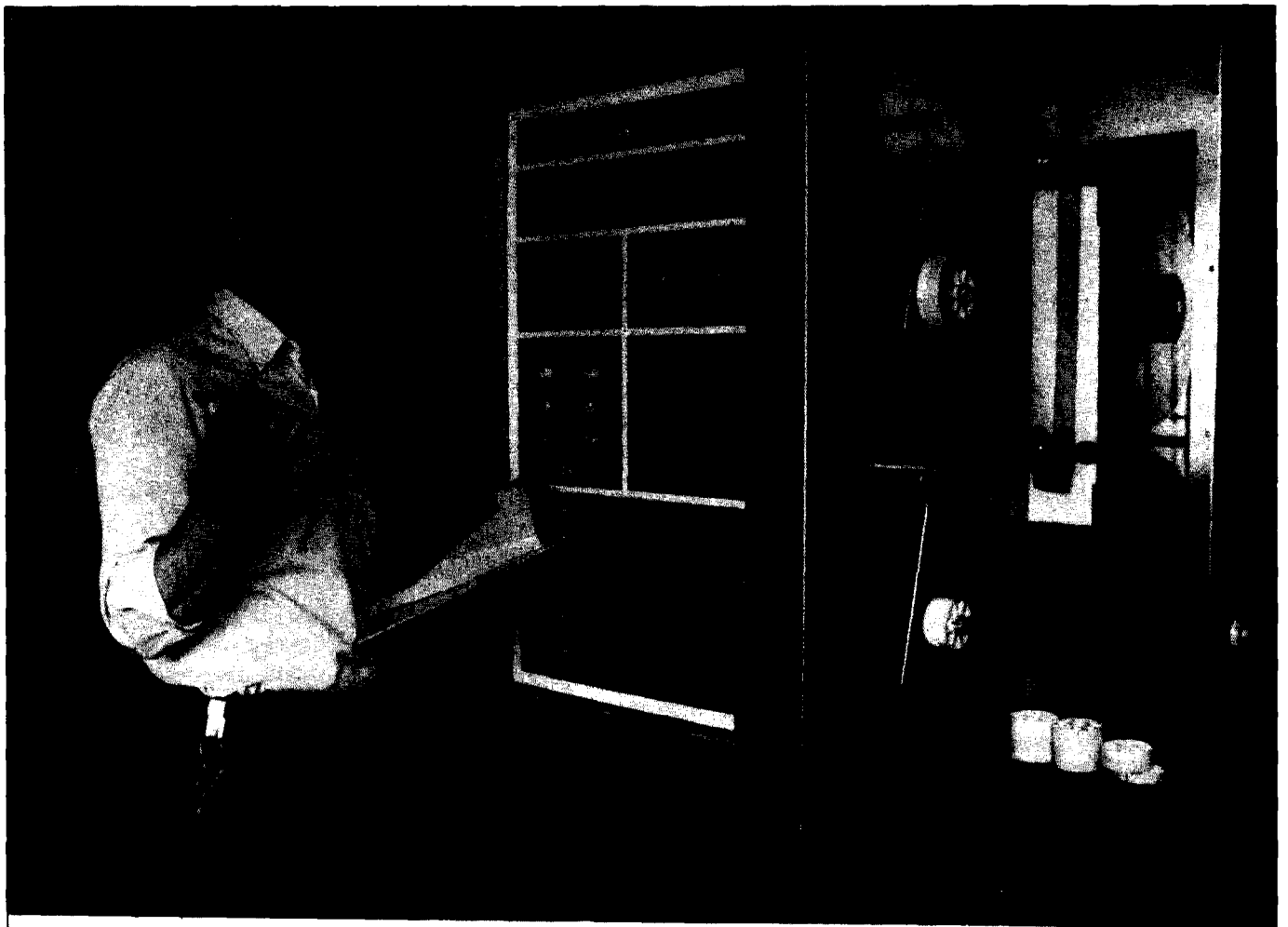
So if you're looking for a professional recording instrument, there's a Fostex E-Series recorder that can help you with two important "E" words: Efficiency and Effectiveness. The E-Series can also help you achieve the most important "E" word of all: Excellence.

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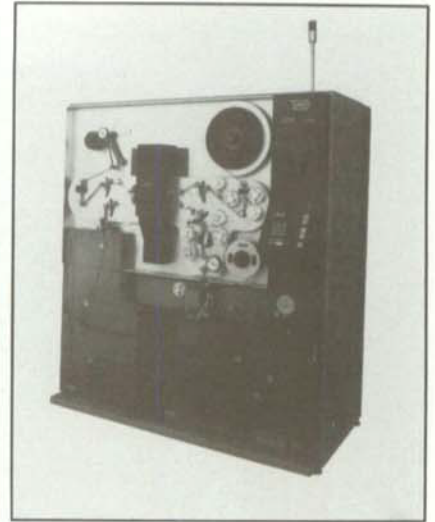
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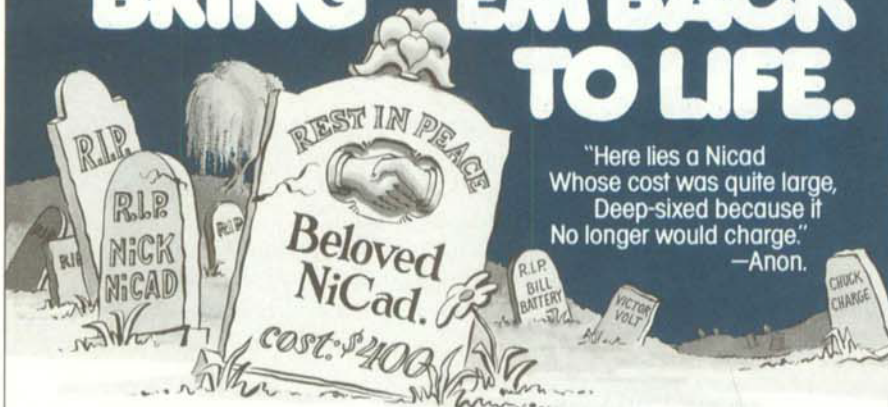
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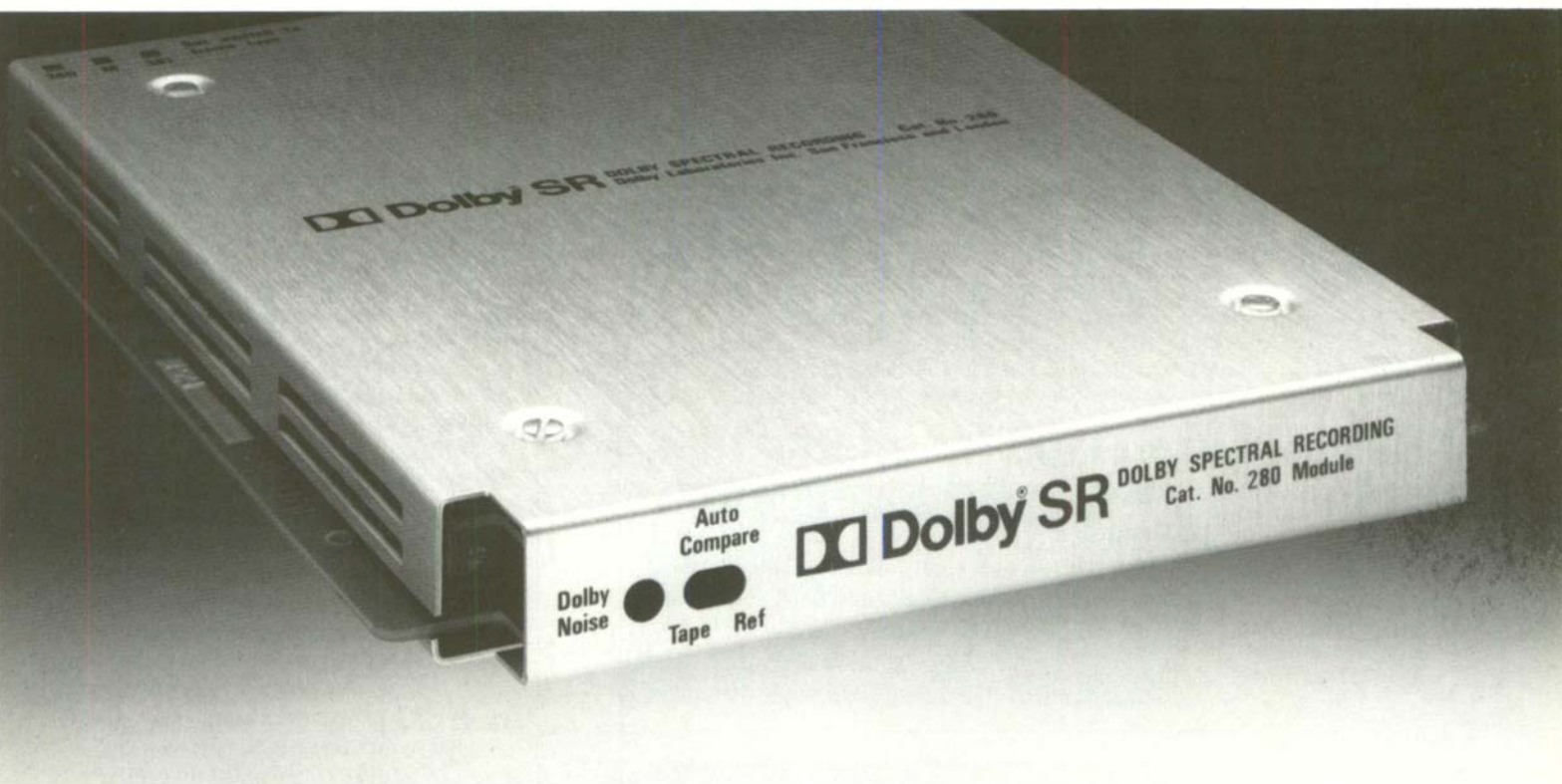
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NEC America SP-30 CCD camera

A high-resolution CCD camera, intended for high-end ENG applications, has been introduced by NEC America's Broadcast Equipment Division, 1255 Michael Dr., Wood Dale, IL 60191. The SP-30 is designed to fill the gap between NEC's basic SP-3A ENG camera and the high-end EP-3 CCD production/studio camera, and it features the same high-resolution sensors as those used in the EP-3. Specifications of the SP-30 include the following: sensitivity of $f/6.2$ at 2000 lux (89.9% reflectance white); horizontal resolution of 700 TV lines; SNR of 60 dB; and a built-in electronic shutter with seven speeds from $1/60$ sec to $1/1500$ sec. The camera additionally features a full range of auto functions, monitoring, and controlled adjustments specifically designed

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Frezzi/PAG MC2 advanced charging system

The MC2 advanced charging system by Frezzi/PAG has been introduced by Frezzolini Electronics, Inc., 5 Valley St., Hawthorne, NJ 07506. The 7-lb unit will charge any battery, or mix of batteries, in the 1.5 to 12-A h, 6 to 15.6-V range. Microcomputer control provides diagnostic features and a full-charge detection program that allows significantly increased battery life. The fully automated four-channel charger is especially practical for field use because it offers auto AC line select, auto cell balancing, auto maintenance charge, self-test program, fail-safe shutdown, and auto output voltage select. The user need only select fast or slow charge.

An NTSC test signal generator that synthesizes 18 test signals with 10-bit D/A precision has been announced by Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788. The Model 411 is designed to provide full genlocked or internally referenced precision test and timing signals for production and post-production studios, as well as laboratory and maintenance environments. Test signals provided are SMPTE full-field and split/reverse bars, window pulse/bar, dot/crosshatch, white, red, and blue rasters, multiburst, a special 100-IRE chroma signal, modulated and unmodulated staircase and ramp, and switchable APL with bounce function. Optional with the unit is a separate, dedicated SMPTE bar output with a presettable alphanumeric source identifier, and a 440-Hz audio test tone output.

A character generator that digitally composites characters and graphics at video rates has been introduced by Quanta Corp., 2440 S. Progress Dr., Salt Lake City, UT 84119. The Delta 1 features 256 levels of antialiasing, real-time operations, and unlimited planes in a free-form environment. The digital performance of the unit eliminates the need for multiple passes when combining many graphic elements. The Delta 1 uses a bit-block transfer unit which is reprogrammable rather than hardwired, thereby allowing the flexibility to optimize the generator for future

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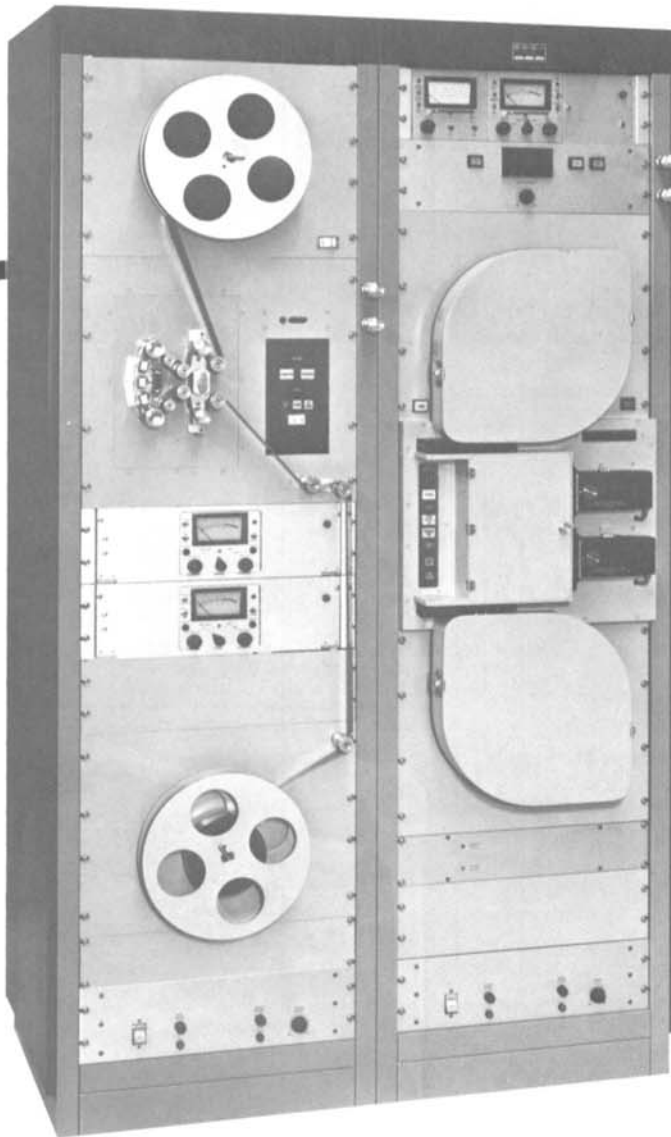
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WIDE RANGE ELECTRONICS CORP.—manufactures a complete line of precision engineered film record/playback systems and a companion line of dubbing machines. The new WRE Electronics System features state-of-the-art electronics and takes advantage of the latest technology in integrated circuits to provide low noise, minimum distortion performance with maximum reliability. WRE recorders and dubbers may be equipped for 35, 17-1/2, or 16mm film & complete interlock systems with remote control, including slow start unit. The sprocket servo drive system includes the high speed chase feature and an integral sync generator with programmed ramp-up & ramp-down speed control for smooth & gentle acceleration and deceleration of the film under all conditions. Extended memory within the control system stores any pulse errors during acceleration and automatically modifies the servo drive motor speed until all error pulses have been offset. All recorders & dubbers are available with phase-lock looped DC servo motor drive. WRE has developed the first microprocessor-based looping control system. The microprocess can be custom programmed to fit individual requirements.

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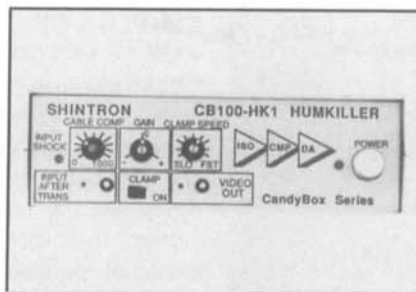
Lowel-Light Manufacturing, Inc.
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NY, NY 10018-1197. 212-947-0950.

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Quanta Delta 1 character generator

applications. Planned options include Headliner free-form graphics, vector logo composition, full-frame camera capture, 601 (4:2:2) digital interface, and video touchup.



Shintron CB100-HK1 Hum Killer

A video-line hum isolator has been made available from Shintron Co., Inc., 144 Rogers St., Cambridge, MA 02142. The CB100-HK1 Hum Killer effectively isolates a video line from a potentially lethal maximum 700 V of hum as well as other low-frequency field noise. The unit combines an isolator with a cable-compensating amplifier that compensates for up to 1000 ft of cable, a sync-tip clamping amplifier, and a video distribution amplifier with six outputs. It is intended to be especially useful in field or temporary hookup situations which do not allow crews sufficient time to eliminate hum in the unfamiliar environment.

A portable video camera prompter has been put on the market by Alan Gordon Enterprises, Inc., 1430 Cahuenga Blvd., Hollywood, CA 90078. Available for rental or sale, the Teksil 909 prompter is intended for use with video or small film cameras. The prompter is composed of a camera viewing unit, which contains the monitor module and talent camera support, and a script transport. The script transport unit will feed, by manual or remote control, scripts or other forms on almost any media; the camera viewing unit contains a titanium-coated 70/30 beamsplitter to reflect the script to the talent. The prompter provides reverse polarity capability on the script presentation, and the script monitor can be used as a live action monitor.

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