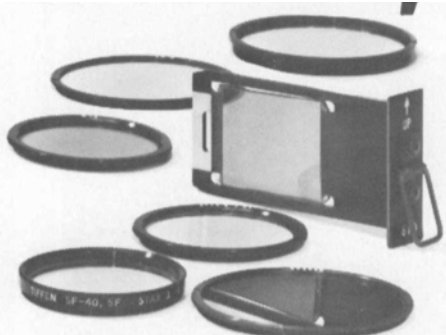


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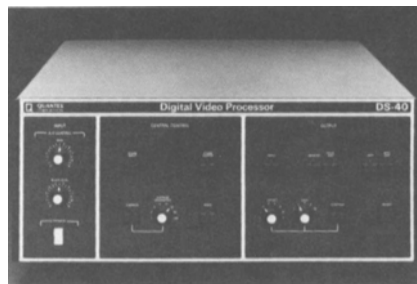
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NEW PRODUCTS

The Co-Ax digital remote control system for Sharp XC-700 ENG/EFP video cameras in NTSC as well as PAL-B standards has been announced by Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025. The control system consists of a mini-CCU, a digital encoder (standard 19-in rack mounted) and a camera-mounted decoder. The digital encoder is designed to accommodate two mini-CCUs to control two separate cameras, each equipped with its own decoder. The new system eliminates the need for bulky multicore cable by using a single lightweight coaxial cable between the digital encoder and the camera-mounted decoder to provide studio-like remote control from distances of up to 5000 ft to ENG/EFP cameras in the field. Prices for the Co-Ax control for the NTSC version start at \$8,000 and for the PAL-B version at \$8,500. The system is available for a number of cameras other than the Sharp XC-700.



A new real time digital video image processor, Model DS-40, has been announced by Quantex Corp., 252 N. Wolfe Rd., Sunnyvale, CA 94086. The DS-40 is a solid state digital device used to capture and improve video images in real time without software. It combines a fast A/D converter, large digital memory and high speed arithmetic unit to perform the following functions in real time video processing at 30 frames/sec: averaging, continuous subtraction (differencing), contrast stretch, contouring, and edge enhancement. Typical applications include: digital imaging in nondestructive testing; surveillance, tracking and astronomy; production control; and general research and development. Price of the DS-40 is about \$18,500.

An NTSC video processing amplifier designed to correct and reprocess composite video signals has been announced by Canter-Redman Technologies Corp., 321 W. 44 St., New York, NY 10036. Designated the VPA-100, the amplifier can genlock to incoming composite video sig-

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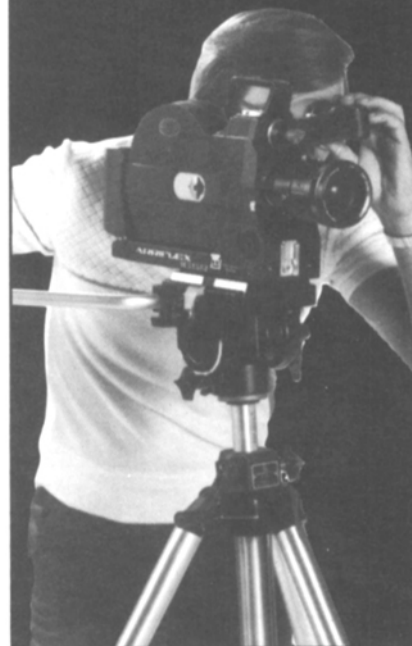
Bogen's new lightweight, professional quality, fluid-damped tripod head is designed for cine and video cameras weighing up to 22 lbs. It's the perfect head for Bogen's Universal Tripod, Heavy Duty Tripod and Cine/Video Dolly.

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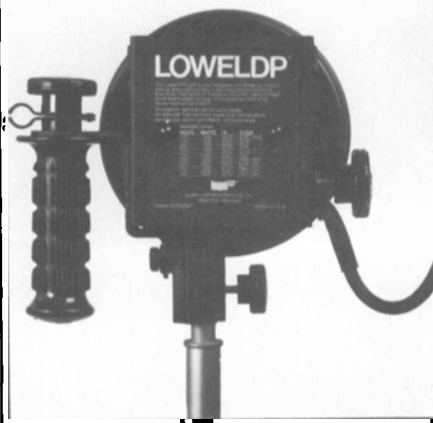
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After an eighth of a century, the classic Lowel Quartz D has finally been redesigned. Inside and out. Among its many new attributes is a device that mounts a gel frame and a soft-light umbrella directly on the light. It has a boldly articulated barndoor that simplifies shadow control and storage. Plus all the brilliant features that made the D a legend in its own light-time. 1000 watts of super-wide, super-smooth illumination—focusing down to an intense spot; quick change, special purpose reflectors; one hand, no-yoke tilting; sophisticated accessory system and kits.

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nals and perform certain processing operations. It can strip old sync and burst and add new sync and burst to the processed output. It is chroma adjustable from zero to full saturation. The VPA-100 provides composite sync and subcarrier outputs for externally locking other video gear. A pulse-cross output is provided for monitoring sync timing of the video signal. Pulse cross can be monitored on any video monitor before or after processing without changing operation to by-pass. A video automatic gain control with by-pass is provided for clamping the video output signal to 1 V peak-to-peak.



A new PAL digital frame synchronizer which processes video signals in component, rather than composite, form has been announced by Harris Video Systems, 1255 East Arques Ave., Sunnyvale, CA 94086. Called the HVS 631, the synchronizer permits separate manipulation of the chroma and luma components. It is reported to be inherently immune to color phasing problems as well as to cycle jump and horizontal picture shift. The eight-field PAL color sequence is constantly maintained. Other features include a built-in digital time base corrector. For generating effects, the HVS 631 has field or frame picture freeze selectable from the front panel. Fixed picture compression and horizontal and vertical positioning are available as plug-in options. The HVS 631 is 10.5 in high, 19 in wide, 22 in deep and weighs 50 lb.



A new post-production character generator which can be used as a stand-alone device or with a computer-aided editor has been announced by Videomedia Inc., 250 North Wolfe Rd., Sunnyvale, CA 94086. Called the KR6000, the character generator is software expandable and can be operated manually. It automatically genlocks to any color input signal and produces composite sync and burst even if there is no input

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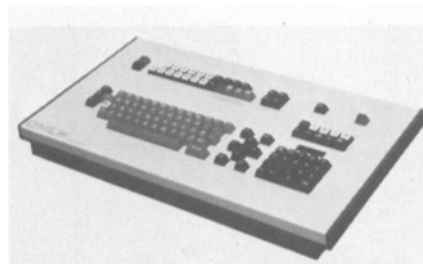
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signal. A built-in downstream keyer dissolves graphics and titles onto the incoming signal. The entire composite picture can be faded to or from black. The fade and dissolve durations can be either user-programmed or controlled manually. For extra flexibility, key output can be routed to a large production switcher. For titling, one fixed and three interchangeable cartridge-type fonts can be applied at any one time. Fonts can be ordered in any size and character spacing is proportional. Up to 16 colors can be selected, character by character. Drop shadow, edging and horizontal and vertical page centering are standard. Prices start at \$13,500.



A new improved model of the Chyron IV graphics system has been announced by Chyron Corp., 265 Spagnoli Rd., Melville, NY 11747. All earlier Chyrons can be retrofitted to provide many of the newly developed features. Among the new features are 512 color choices, multicolor characters, diagonal typing, a built-in preprogrammable fader, a background graphics plane, a four-level animation plane and a digitizing tablet. The heart of the new system is a multimode graphics module. It replaces the existing font compose module, and it also can produce many of the advanced new graphic functions.



A new film editing system called the Harris EPIC video-assisted film editing system has been announced by Harris Video Systems, 1255 East Arques Ave., Sunnyvale, CA 94086. The system is designed to overcome the problems of matching film frame rates with video frame rates by updating the videotape vertical interval time code every field rather than every frame. As part of the process, film edge

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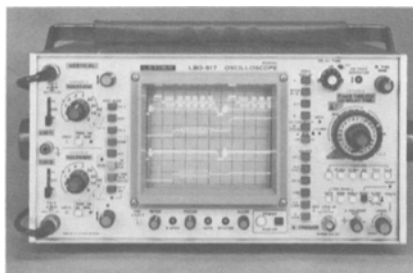
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numbers, frame numbers and other data are stored in user bits in the time code for use in conforming the film negative after editing. In operation, the film takes are transferred onto videotape. The edge, scene, take and reel numbers are multiplexed into the user bits and stored in the field-updated vertical interval time code. The videotapes are then loaded into the EPIC editor. During editing, each decision is recorded on disk. After editing, EPIC prints out a list in film terms of takes, reel and scene numbers and the type and duration of the edits.



A 50 MHz dual trace, delayed time base portable oscilloscope, the LBO-517, has

been announced by Leader Instruments Corp., 380 Oser Ave., Hauppauge, L.I., NY 11787. Features include a calibrated delayed time base which permits accurate measurements and observations of complex waveforms or long pulse trains. The main and delayed time bases can be displayed simultaneously for both input channels. An alternate triggering mode permits comparison and measurement of two signals which are unrelated in frequency. The triggering waveforms for both the main and delayed time bases can be observed using the LBO-517's third and fourth trigger view channels. The two inputs can also be used as third and fourth auxiliary channels to display clock pulses, timing markers, or other waveforms not requiring vertical calibration. The oscilloscope employs a recently developed dome-mesh internal graticule CRT with 20 kV accelerating potential to produce bright, clear traces at all speeds.

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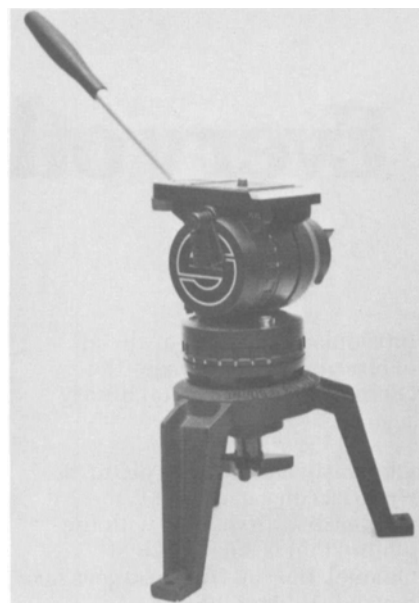
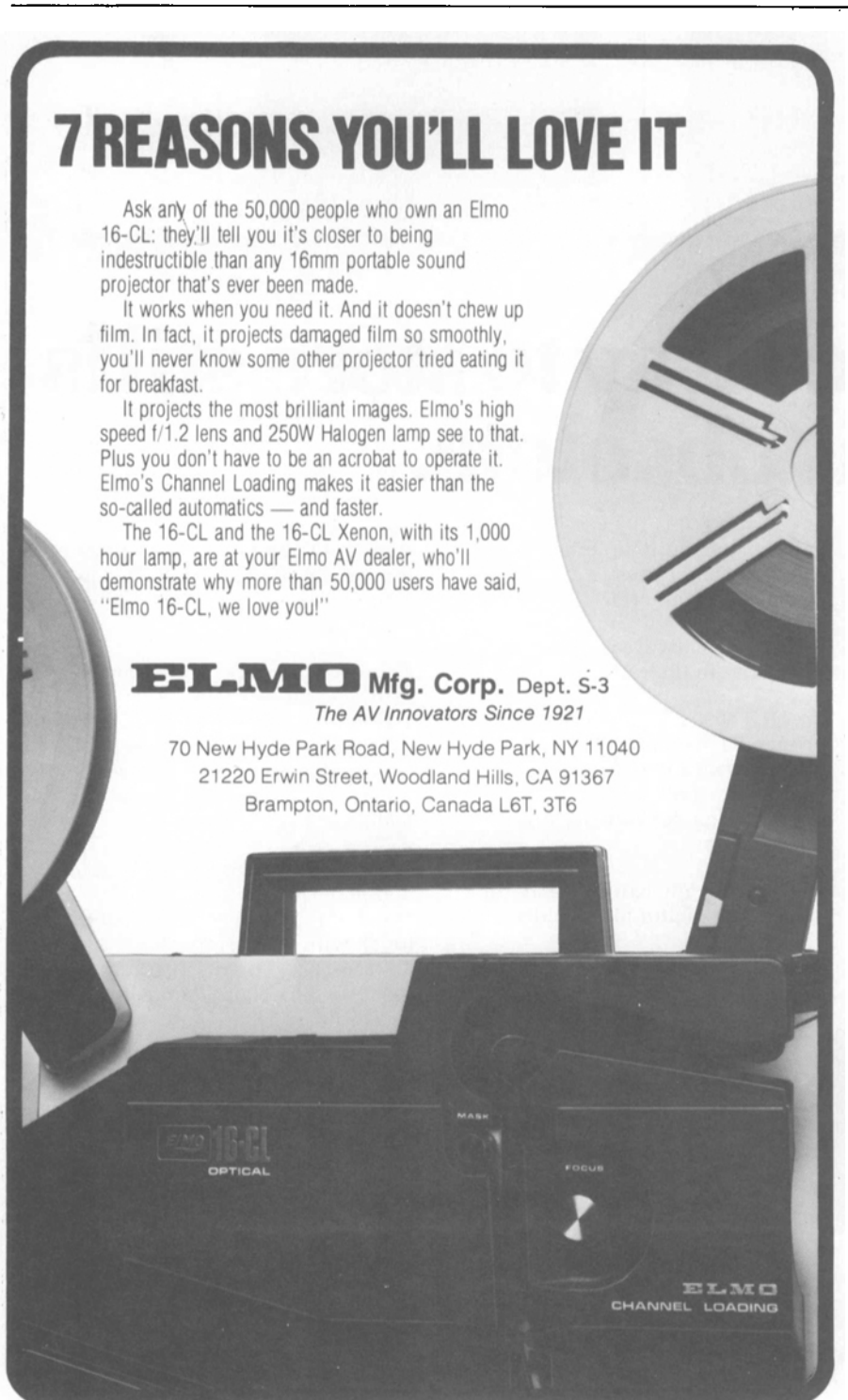
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A new Hi-Hat for the Sachtler 7 + 7 ball head has been announced by Birns & Sawyer, 1026 N. Highland Ave., Los Angeles, CA 90038. Hi-Hat accepts the 7 + 7 head with the ball adapter still attached and with no modification necessary. The price is about \$105.



A new dbx Type I noise reduction system, Model 180, has been announced by dbx, Inc., 71 Chapel St., Newton, MA 02195. The system provides two channels of encode electronics and two channels of decode electronics. It is intended for use with professional 2-track tape machines. The noise reduction system is designed to produce a stereo master tape which preserves the dynamic range of live music and to be completely free of audible tape hiss as well

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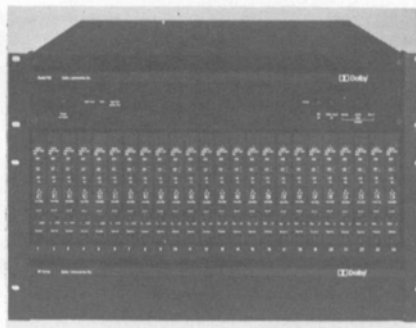
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as distortion due to tape saturation. The 180 system is designed for installation between the console or the mike mixer and the line level inputs to the tape machine. It is compact and light in weight and can be taken into the field on remotes or on location jobs. The separate encode and decode electronics permit decoded monitoring off tape of the signal being tested.

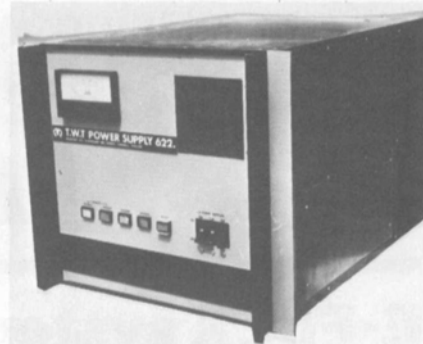


A new professional multitrack noise reduction unit called the SP series has been announced by Dolby Laboratories, 731 Sansome St., San Francisco, CA 94111. The new unit provided up to 24 tracks of Dolby A-type noise reduction in only 12½ in of rack space, including a separate power supply. In addition to being more compact, the SP series has a number of control and performance improvements over the Dolby MH series which the SP series supersedes. It can contain as many as 24 noise reduction tracks across the 19-in rack width. Features include a separate regulated power supply with electronically-controlled output protection and twin low-noise fans to assure cool, reliable operation of the entire unit. One of the new features is an LED display for each track which permits accurate Dolby level calibration (within ±dB if desired) by matching the intensity of LED pairs. Additional LEDs indicate the presence of signals and clipping and assist alignment with high level reference tapes.



Two new color video monitors, models CT-1320V and CT-1320M (shown above), have been announced by Panasonic Video Systems Division, One Panasonic Way, Secaucus, NJ 07094. The screens on both monitors measure 13 in diagonally. Both have ColorPilot which automatically ad-

justs color quality to pre-selected levels and Panabrite control for contrast and brightness levels and both have Quintrix II In-Line picture tubes and are equipped with 8-pin connectors for use with a VTR as well as BNC-type video and RCA-type audio connector. The CT-1320V also offers single-axis VHF/UHF electronic tuning and Panalock automatic fine tuning.



A lightweight power supply unit for traveling wave tubes (TWTs), a form of microwave amplifier, has been developed by Microtest, Ltd., 18 Normandy Way, Bodmin, Cornwall, England. One of the unit's applications is to provide a reliable power supply for satellite communications systems at unmanned earth stations. The power supply unit weighs 130 lb and can be mounted complete with TWT in a standard 19-in rack. Based on a solid state switched mode design and developed for TWTs with an upper limit of about 400-W CW (continuous wave) it is reported to meet all the requirements of TWTs in digital service. The power supply protects the TWTs and also maintains internal efficiency. High voltage output energy is less than 10 J; the helix overcurrent power shutdown response is 10 ms. The current-fed main converter circuits provide transient protection for the switching transistors.

The LCG-400 sync/test generators have been announced by Leader Instruments Corp., 380 Oser Ave., Hauppauge, LI., NY 11788. The generators are designed to provide a full range of the video signals required for test and adjustment of monitors, cameras, VTRs and the overall performance of both color and black-and-white video systems and components in either genlock or internal synchronization modes. The new units are available in two versions offering either multiburst or sweep marker. The LCG-400 syncs with all standard composite video signals including those from quad head and helical scan VTRs.

Patterns include EIA and full field color bars, 5-step staircase, eight color rasters, crosshatch and dot convergence, circle and corner marker with on/off and variable control of chroma and luminance. Both interlace and progressive scanning are provided.