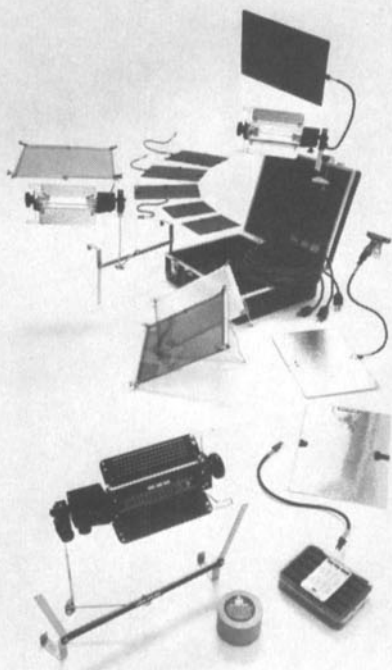


**We solve
the problems of
"no problem"
locations.**



Lowel Tota-93 kit

Remember the last time you were promised "the location is no problem"? Recall those dark, dark walls, those low, low ceilings. The lack of space for stands? The sudden requirement to shoot 360° without seeing equipment? Remember when you realized "no problem" locations are more the rule than the exception?

Lowel kits contain small lights you can hide near ceilings, aimed directly or bounced. Some kits have incredibly versatile mounts which securely Gaffer-tape to most walls and windows. Or hang on top of doors—closed as well as open. And nifty clamps which can save the day, and maybe even the budget.

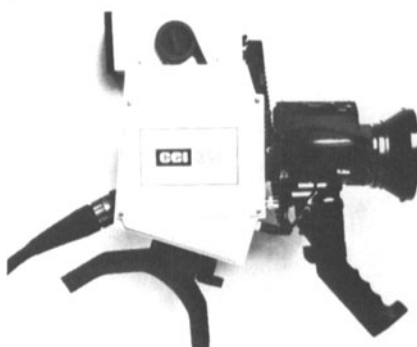
Our first hand knowledge of location work, based on years of shooting experience, is designed into all of our equipment. That's one reason they're such successful problem solvers. Especially on "no problem" locations.

For equipment see an authorized Lowel Dealer. For brochures contact us. Lowel-Light Manufacturing Inc. 421 West 54th Street, New York, N.Y. 10019 (212) 245-6744. West Coast: 3407 West Olive Avenue, Burbank, California 91505 (213) 846-7740



New Products & Developments

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.



The CEI-310 broadcast color television camera system featuring a ruggedized camera head weighing only 7 lb, modular configuration for field production or studio system use, and an electronics unit that brings unusual sophistication to remote production, has been announced by Commercial Electronics Inc., 880 Maude Ave., Mountain View, CA 94043. Transferring much of the electronics from the camera head to the electronics unit reduces camera size and weight. It also allows unattended camera use in hazardous or hostile environments, for example, aircraft or vehicular mounting, production industry or sub-zero environments, or at altitudes up to 10,000 ft. The portable camera head uses an adjustable 3-in viewfinder which can convert from direct to ocular viewing. The electronics unit may be carried in a backpack or rack-mounted as a remote unit.

The camera head may also be mounted to a studio adapter plate with a lens shroud and 8-in studio viewfinder. A pedestal adapter integrates the camera, electronics unit and ac adapter as a self-contained unit. The electronics unit includes ultrastable I and Q encoder, two-line vertical and horizontal enhancer with coring and combing, color bar generator, color sync generator with external genlock, digital automatic white balance and iris, AGC video, horizontal and vertical saw and parabola shading, switchable video gain and automatic timing. Operational controls include tint, auto white balance, black stretch, monitor switching, tally/call, master pedestal, manual iris and a full complement of setup controls. Complete camera systems are priced from \$28,000.

A number of options are available, among them the SMPTE time code generator which supplies time of day, frame count and other user-specified digital information for recording on videotape. The information can be optionally displayed on the camera head viewfinder and remote monitor. The time code generator is priced at \$1195.



A 1-in studio-quality cassette VTR for ENG/EFP has been announced by Robert Bosch GmbH, Geschäftsbereich Fernsehanlagen, Robert-Bosch Str. 7, D-6100 Darmstadt, Federal Republic of Germany. Designated the BCN 5, it is said to have the same recording quality as the BCN 50, 40 or 20. Features include a cassette that can be removed in any winding state in seconds, and a built-in insert/assemble edit. The easily removable spools can be replayed on any BCN 50, 40 or 20. Total weight of the BCN 5 is about 12 kg.

The 20-min playing time per cassette ensures that most ENG tasks can be completed without tape change. The built-in battery has sufficient capacity to record two cassettes (i.e., 40 min) and a battery belt is available to boost the operation time considerably if desired. Operational controls include Meter Select Switch (Audio RF Video and Battery) Record Mode, Rewind, Fast Wind, Play, Stop, Record and Audio Level controls.

In order to save on drive motors, energy and therefore weight and power consumption, the cassette is loaded manually, the loading procedure taking only a few seconds. The reels can be extracted in about two seconds; the reels can be replayed on any BCN and can be transported, mailed or stored without the cassette case, thus reducing costs.

The BCN 5 (dust and weatherproof) produces segmented field recordings according to the SMPTE and EBU B format. Price of the BCN 5 is DM 59,000.

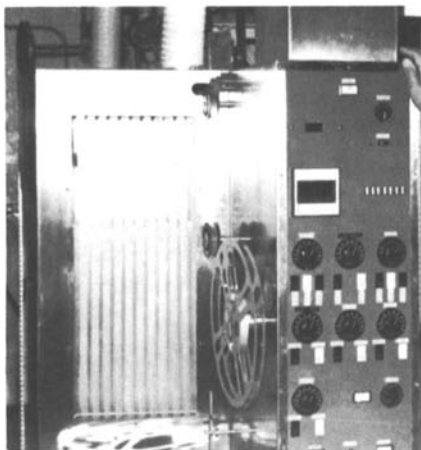
The Light Palette Memory System allowing six simultaneous, separately timed lighting actions in a single cue, has been announced by Strand Century, 20 Bushes Lane, Elmwood Park, NJ 07407. The six parts of the cue need not start or end at the same time, but all are activated with a single button. They may be up fades or down fades with separate times, delayed fades



or individual fades and a range in speed from instant on-off actions to very slow fades.

The Light Palette can eliminate the need for written cue sheets. Two built-in display screens display all the information for any cue as well as the complete running cue sheet and actual stage intensities. The operator has access to any cue in the memory at any time during, or prior to, the performance and has full manual over-ride control of all automatic functions. The Light Palette can control up to 512 dimmers and can also electronically patch the dimmers into any convenient number of control channels for ease of operation. The patching is accomplished from the control console and can be quickly changed for each show.

Features include a built-in disk which records all performance information for library storage, but data are stored in and played back from solid state memory. Prices start at \$25,000. Various options are available.



A quick-turn-around processor for use with Eastman Kodak's new RVNP film (Rapid Video News Process) has been announced by The Allen Products Co., 180 Wampus Lane, Milford, CT 06460. Designated the RVNP-82 Processor an average developing rate of 82 ft/min has been reported. The RVNP film process contains a new, ultrafast biodegradable bleach and bleach accelerator that require a high performance processor for maximum effectiveness. Features on the RVNP-82 include a 2000-ft magazine; magnetic-coupling pumps; and digital ft/min readouts. Other features include accurate temperature controls; uniform solution agitation; and the automatic tension adjusting film transport system. The processor is constructed of stainless steel with noncorrosive, self-cleaning plumbing. The price is \$25,000. Various options are available.

A general purpose microcomputer system with a programmable display processor capable of digitizing a television input signal and dis-

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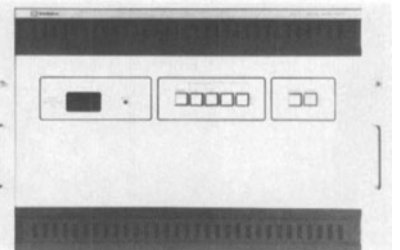
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playing a digital television picture has been announced by Beck Corp., 303 Slocum Ave., Neptune, NJ 07753. Designated the Beck-1/System, the unit, housed in a terminal type enclosure, includes a Z80 CPU, up to 64 kb of CPU Ram and 32 kb of CPU Rom, serial and parallel I/O ports, floppy disk storage including both mini and standard floppy drives, a keyboard and CRT display. A DMA controller, real time clock and floating point arithmetic unit are also available. The Display Processor contains up to 32 kb of image Ram which can be displayed as characters, graphics or a digital television (gray scale) picture. Programmable parameters include character and pixel size and count, character blink, reverse, underline and half intensity. The unit features nondestructive zoom as well as horizontal and vertical panning in all three display modes. Applications utilizing the television input and display characteristics include industrial noncontact measurement, surveillance, medical x-ray, ultrasound and CT displays, broadcast effects, animation and others. The Beck-1/System is priced from \$2900 for the Beck-1/30A, a basic system with no disk storage, to \$6800 for the Beck-1/50C which includes television digitizer graphics and digital television display, 32 kb CPU Ram and dual standard floppy disks.



The TDF-1 Digital Noise Filter has been announced by the TeleMation Division of Bell & Howell, P.O. Box 15068, Salt Lake City, UT 84115. The unit uses the latest industry sampling standard and state-of-the-art memory components to improve the signal-to-noise ratio of television signals, said to be in some cases as much as 18 dB on an element-by-element basis. Applications include SNR improvement of multi-generation videotapes, ENG material and microwave/satellite feeds. The TDF-1 automatically adjusts itself for high noise reduction on still portions of pictures and lowers the amount of noise reduction in those portions containing motion in order to avoid video lag. The adjustment process is controlled by a programmable read-only memory that can be custom-programmed for special applications. Features include an RS-170A processing amplifier that regenerates incoming sync, burst and blanking; a self-test system, internal genlock; and fail-safe bypass circuits. The TDF-1 is priced at \$23,900.

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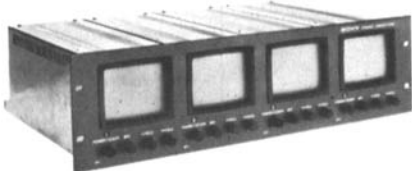
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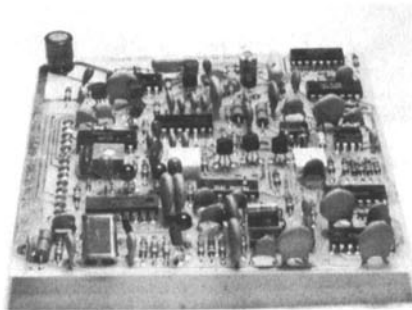
The Video Motion Analyzer System for slow-motion video analysis has been announced by Sony Video Products Co., 9 W. 57 St., New York, NY 10019. The system is comprised of two units — an SVM-1010, a specially designed video motion analyzer with a built-in 9-in black-and-white monitor, and an RSC-1010, a black-and-white video camera with a rotary shutter. One of its intended applications is the video analysis of high-speed industrial processes. The RSC-1010 can be utilized as a conventional black-and-white camera. Its rotary shutter capabilities make it possible to produce stop-action frames under normal lighting conditions. It is compatible with both the SVM-1010 and portable U-Matic/Betamax. The SVM-1010 video motion analyzer recorder has a 10-s recording time and offers three playback modes — normal speed; slow-motion playback in both forward and reverse with selectable speeds of 1/7 and 1/15; and stop (still frame). It also has step-by-step playback in both forward and reverse modes.

Horizontal resolution of the SVM-1010 is 300 lines; video SNR is better than 40 dB in the normal speed and the video signal is compatible with EIA standards. Power consumption is 2.0 A. Features include remote-control operation and portable operation with a rechargeable battery pack; battery power meter; and an external strobe-light connector. The system is priced at \$5000.

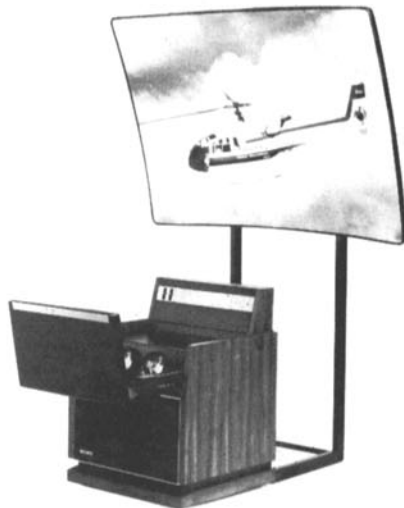


A quadruple 4-in rack-mounted monitor unit sealed to fit a standard 19-in rack has been announced by Sony Video Products Co., 9 W. 57 St., New York, NY 10019. Designated the PVM-410, it consists of four independent monitors, each with a horizontal resolution of 400 lines at the center and vertical resolution of 280 lines. It interfaces with most videotape recorders, video cameras, and special-effects generators. The PVM-410 can be used in a mobile van or in the studio and can also be used for CCTV or surveillance systems. It can be combined with up to four VCS-320 video switchers for monitoring a total of 20 cameras. Features include individual shielding of each monitor to prevent crosstalk; spot-killer circuitry to prevent burning

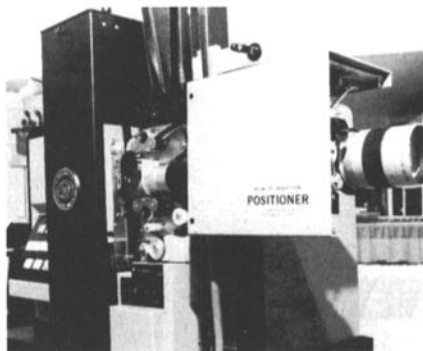
of the CRT screen; and loop-through capability. The price is about \$1130.



A genlocking sync generator, Model SG/4 has been announced by ECHOlab Inc., 213 Middlesex Turnpike, Burlington, MA 01803. The unit can be plugged into the SE/2 switcher/special-effects generator manufactured by ECHOlab or used as an OEM component. Dimensions are 4½ × 5 in. Features include bidirectional vertical ratelock, automatic color and sync switching with sync presence and burst presence circuitry and separate phase-locked loops for subcarrier and sync. The SG/4 is priced at \$985.



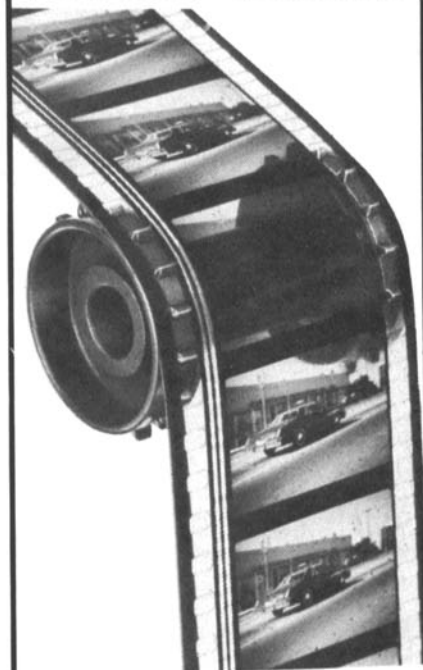
A television projection system designed for industrial use, the KP-7200, has been announced by Sony Video Products Corp., 9 W. 57 St., New York, NY 10019. Features include a 9-in monochromatic projection tube and a special screen design. Designed as a single unit, registration problems are said to be minimal. Price of the KP-7200 is \$4000.



The Warren R. Smith Positioner for Athena telecine projectors has been announced by the distributor, L-W International, 6416 Variel Ave., Woodland Hills, CA 91367. The zoom blow-up/reduction positioner can add versatility

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