

The difference between a film with torn perforations



and a projectable print can be a LaVezi VKF sprocket

LaVezi's new "VKF" sprockets are adding life to all 35mm film, CS CinemaScope and standard KS film, by reducing film damage caused by abnormal contact with the sprocket.

Brochure L70-6 tells how you can add reel life to film, reduce costly film maintenance, and minimize projector wear. Call or write for it.

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New Products & Developments



The FP-50S professional TV studio camera has been announced by Hitachi Denshi America Ltd. The camera performs at 550 lines with a signal-to-noise ratio of 53 dB. Features include *f*/1.4 prism optics, three 2/3-in Saticons and a CU-50 camera control unit. The CU-50 may be used for remote operation up to 1000 ft and includes RGB chroma key out, horizontal vertical drives or optional genlock and other features. Prices begin at \$17,000. The price includes the CCU and a 5-in viewfinder.



Two new portable video color cameras have been announced by Panasonic, One Panasonic Way, Secaucus, NJ 07094. The new cameras are designed primarily for use with the Panasonic Omnivision II VHS recorder, Model NV-8410.

The cameras are fully portable, Models WV-3100 and WV-3000 weigh only 6.2 and 3.9 lb, respectively. Each model is fully self-contained. The WV-3100 (shown above) is equipped with a 6:1 power zoom lens and a 1.5 CRT viewfinder which can be utilized as a VTR playback monitor. The WV-3000 has a 3:1 manual zoom lens and also utilizes a 1.5-in CRT viewfinder. Each camera contains a 2/3-in vidicon.

Model WV-3100 has a C lens mount; auto white balance system; back light correction for contrasting scenes; built-in color temperature setting for indoor/outdoor use; and many other features.

Model WV-3000 has a built-in electric viewfinder; red and blue gain controls; and a number of other features. It is priced at \$825. The WV-3100 is priced at \$1050.

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Model Z80-1 \$800. Shown with optional Time Display Module

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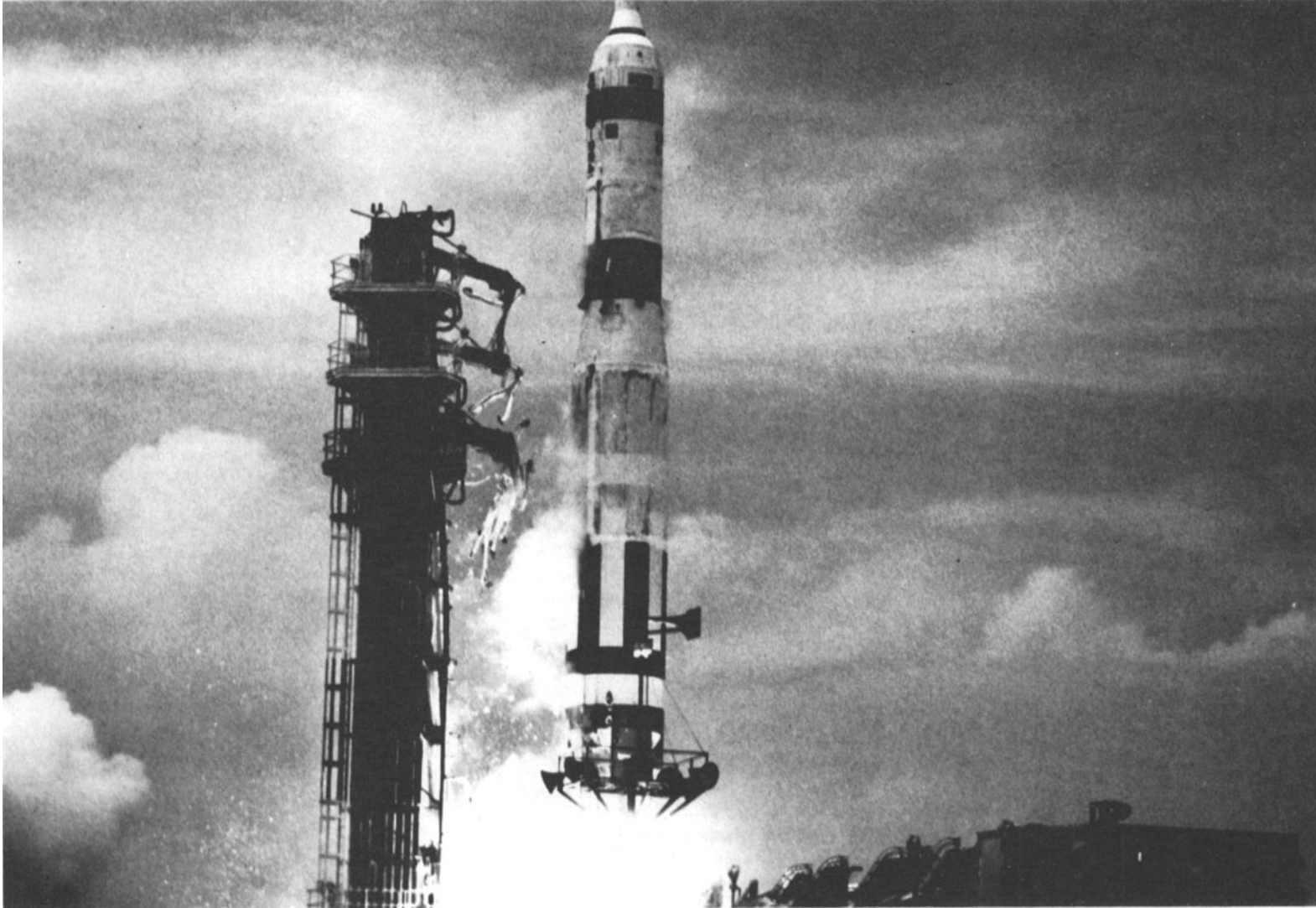
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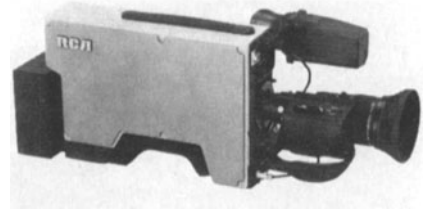
New from Cinema Products: 3-Channel Wireless Lens Control System

- Ideal for handheld shooting (with or without Steadicam) as well as for complex dolly and crane shots.
- Exciting, new FCC-certified WRC-3 wireless system eliminates need for any physical contact or cable connections between the camera assistant and the motion picture camera. Camera assistant accurately controls all lens functions (iris, focus and zoom) from a convenient distance.
- Battery-powered WRC-3 system consists of a handheld wireless transmitter and a receiver that activates the lens servo-motors controlling iris, focus and zoom functions.
- Lens bracketry and gears available for a wide selection of professional 35mm and 16mm motion picture lenses.

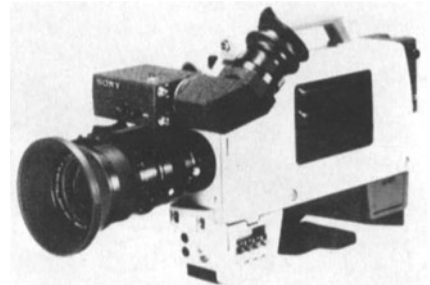
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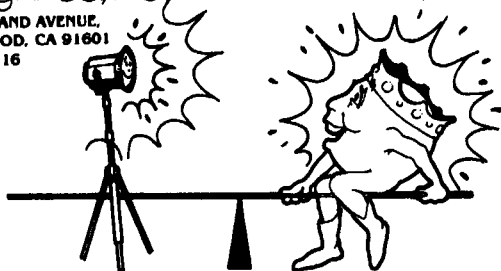
The RCA TK-86 portable color television camera designed for ENG and EFP applications was introduced by RCA Broadcast Systems, Camden, NJ 08102, in the fall of 1980. The camera, a successor to the TK-76 (*JOURNAL*, p. 582, July 1975) has a new mechanical design with a form-fitted curved bottom which aids in weight distribution and balance. Electronic improvements in the TK-86 result in lower power consumption while providing higher signal-to-noise and improved bias light. A full range of remote control configurations are available for the TK-86 for applications requiring control of camera video functions. The remote systems range from simple control through a remote panel to full control of camera video functions with a multicore or triax cable.



The BVP-330 color video camera has been announced by Sony Broadcast, a division of Sony Video Products Co., 9 W. 57 St., New York, NY 10019. The camera has been designed for both ENG/EFP and studio use. It weighs less than 12 lb. Features include diode gun tubes, auto centering and a signal-to-noise ratio of 57 dB. The camera offers high resolution of more than 600 TV lines at center. With viewfinder and CCU it performs as a studio camera for broadcast and production use.

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Alan Jay Factor

FACTOR NEWLAND PRODUCTIONS

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Robert C. Moreno, ASC



A videotape recorder studio console, the RL 2000, offering generous rack space, has been announced by the Ruslang Corp., 247 Ash St., Bridgeport, CT 06605. Rack space includes 28 inches in the VTR section and 15 1/4 inches in the lower section. The standard space of the monitor overbridge is 10 1/2 inches. As an option, it can be extended to virtually any height to meet specific

Now film editors can enjoy editing video tape.



Thrilling Editing vs. Tedious Editing

As an editor, you know the thrill of creating a mood or changing the meaning of a scene. But, if you're used to film, the thrill can be gone when you're editing video tape.

That's why we had editors who know film design the Z-6 Video Tape Editing System. It gives you frame-accurate editing, plus all the useful functions of the SMPTE time code *without* all the problems.

In addition, the Z-6 tracks SMPTE Drop Frame or Non-Drop Frame, 24-frame film rate, or any other time base. And, it "translates" codes for you—adding or subtracting real, decimal or mixed numbers for precise scene and program length computation.

Easy to Operate

With the Z-6, you edit pictures, not numbers, because edit point locations are loaded automatically. Microprocessor-based controls allow you to pick in or out points on-the-fly, maintain lip sync throughout the entire tape during all editing, and do A, B, C external rolls on one pass.

What's more, the Z-6 features auto edit, full look-ahead/behind logic, and random location of single frames on any tape in the system.

The Z-6 system is also simple to use and understand, because each key on the Z-6 system has a definite, single function. In no time at all, you're doing split edits and text editing, using animation and effects, and performing dissolves or wipes with ease. When you're finished editing, the Z-6 can even edit an exact duplicate tape. Automatically.

Easy to Own

Best of all, every Z-6 editing system is fully upgradable. There are several different Z-6 models available. You can start with a basic Mini-Z. Then, when you want more features (like multiple source, effects, or multi-event memory), you can order the Z-6 system that has them. All you'll pay is the *difference* between the price of the system you own and the price of the system you want.

For complete details on the entire Z-6 line, call or write today:

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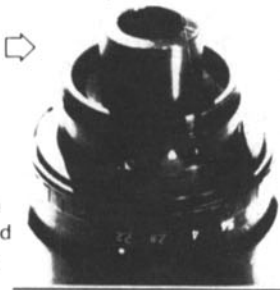
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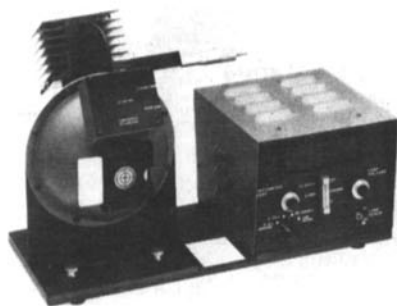
requirements. The RL 2000 is priced at \$695.
Other options are available.



A 12-in color monitor, the BVM-1201, offering
ultra high resolution, has been announced by
Sony Broadcast, a division of Sony Video Prod-
ucts Co., 9 W. 57 St., New York, NY 10019.
The new monitor offers a horizontal resolution
of typically 600 TV lines at center at 30 fL lum-
inance. The BVM accepts NTSC or RGB inputs.
Operational controls include variable AFC time
constant, pulse cross and remote control ca-
pability. A continuously adjustable aperture con-
trol provides up to 8 dB boost at 4.5 MHz. The
line voltage is switchable for 100, 120, 220 and
240 V. Typical power consumption is 126 W.



The TDM 8000 Time Compressor has been an-
nounced by Integrated Sound Systems, 29-50
Northern Blvd., Long Island City, NY 11101.
The device allows recorded audio material to be
played back at faster rates than at which it was
recorded with the original pitch remaining un-
changed. A special splicing system is one of the
major innovations of the system. The audio sig-
nal is analyzed in digital form but the program
signal remains in the analog domain throughout
the process. The TDM 8000 has the capability of
processing complex program material, such as
speaking voice over ambient noise or singers
with accompaniment, without intermodulation
distortion or the need to band limit the program.



The LS-65 Luminance Standard, an integrated
photometric calibration standard of luminance
and color temperature, has been announced by
Photo Research, Div. of Kollmorgen Corp.,
3000 North Hollywood Way, Burbank, CA
91505. The instrument has a range of 0 to 350
fL, or 0 to 1000 cd/m². Luminance is contin-
uously adjustable from 1800 to 3000 K for color
temperature. Features include a high accuracy
internal monitor which displays the actual source
luminance. The LS-65 consists of a luminance
standard, a self-contained photometric calibra-
tion system with a 4 1/2-digit display for lumi-
nance level and lamp voltage, and an internal

from
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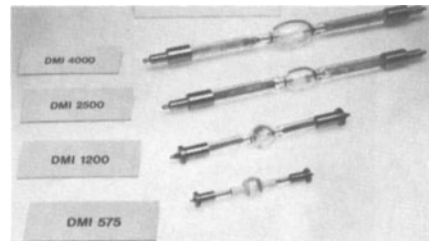
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power supply for the lamp source. The LS-65 comes in a package measuring 10 x 16 x 11.5 in and weighs 17 lb. The price is \$3600.



The Model SP-710 SMPTE Code Reader has been announced by Datametrics, 340 Fordham Rd., Wilmington, MA 01887. The device is reported to decode the display SMPTE Time Code from 1/20th to 60 times play speed with frame accuracy. The integral character generator inserts numerical time data in any position over the raster in four selectable sizes. The ability to display characters in the vertical blanking interval is a standard feature. Additional features include a "Hold" function to freeze and display and a switch to delete the character display; these two functions may be remote controlled via a rear panel connector. The SP-710 is housed in a 1 3/4 x 19-in rack package. The price is \$1890.



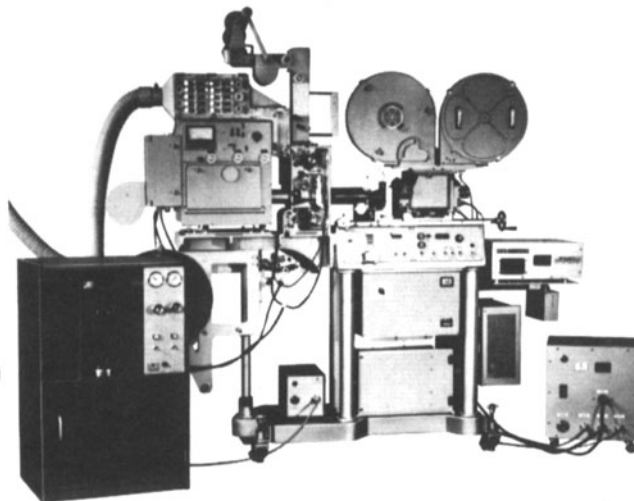
The Daymax bulbs, a line of metal halide daylight bulbs for film and television applications, has been announced by CineMills Corp., 2227 West Olive Ave., Burbank, CA 91506. The bulbs are manufactured by ILC Technology in Sunnyvale, Calif. Of double-walled construction, they are available in wattages of 575, 1200, 2500 and 4000. The 575- and 1200-W bulbs can burn in any position with an average rated life of 750 h. The 2500- and 4000-W bulbs burn in a horizontal position, ± 15° at an average rated life of 500 h. The average initial lumens are, respectively, 49,000, 110,000, 240,000 and 410,000. All four bulbs have a color temperature of 5600 K. Prices range from \$355 to \$1100.



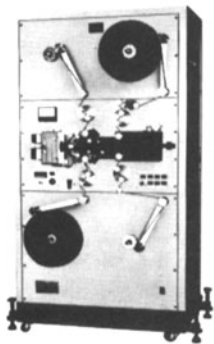
The SNDS Silver/Nicad Discharger, designed to determine automatically a battery's capacity and to pinpoint weak cells, has been announced by Anton/Bauer, Inc., P.O. Box 616, Shelton, CT 06484. At the press of a button, a digital display indicates battery discharge, voltage and current, while a digital clock indicates running time and freeze at the end of the discharge, thereby indicating the running time (capacity) of the battery. Features of the SNDS include a digital clock; a digital voltmeter/ammeter; switchable cutoff voltages; switchable loads; external input for a camera or VTR as load; and an output for a chart recorder.

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(Above)
 High speed optical picture printer, model DHP-1A with liquid gate & support system



(Below)
 Optical sound reduction printer, model SS-5, for 35mm to 16mm or 16mm to S8



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