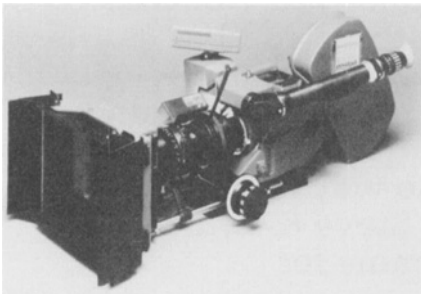


# New Products & Developments

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 Moviecam 3N**, a 35mm modular system camera designed for use in film production, has been announced by Moviecam Corp. of America, 625 W. 54 St., New York, NY 10019. Fritz Gabriel Bauer, Director of Moviecam GmbH, is the designer of the Moviecam system cameras. Features include a sound level less than 18 dBA (measured by

AKG, Vienna) and the new BLN compensating link movement with double pulldown claws and twin registration pins. The running speed is variable in single frame increments from 1 to 50 frames/s. Other features include a reflex mirror shutter and dc motors controlled by microprocessors. Price of the basic Moviecam 3N system is \$50,950.

Other features, available in a package or separately, include a video system equipped with a Newvicon pickup tube, providing a ground glass image which can feed television monitors, and a videotape recorder. The Video Assistant is a 1½-in monitor attached to the camera. The Digiclapper is a built-in system that prints a scene number on the first 100 frames of each scene. These items together with a 500-ft magazine, a power unit, a matte box, an adjustable base plate, a set of cables, and a camera case (together with the Moviecam 3N camera) are available in a package, at a price of \$69,230.

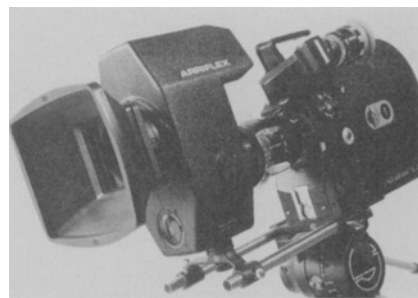
One of the 3N's important accessories is the Moviespeed system which allows the running speed to be changed at programmed rates during the shot. The time interval in which the acceleration or deceleration is to take place can be preset on switch banks. Control

is by a microprocessor which also makes the appropriate exposure corrections via the automatic iris control servomotor coupled to the lens iris ring. The Moviespeed box is a control unit with microprocessors and switchboard to be mounted on the camera to control the Moviespeed system. The EBU time base code box can be mounted on the camera to print real time in BCD code onto the film. These items together with computer diagnosis and a carrying case are packaged at a price of \$16,390. Other accessories are available.

Shown above is the Moviecam 3N in a studio configuration with a finder extender, video system, video assistant, production matte box and base plate lens support, zoom lens and zoom motor, and a 500-ft magazine. The Moviecam 3N can also be used for handheld operation. With a 400-ft load the weight is 27 lb.



**A self-contained prism portable camera** for ENG/EFP applications, offering 50-dB SNR and 550 lines of resolution, has been announced by Hitachi Denshi America Ltd., 175 Crossways Park West, Woodbury, NY 11797. Designated the FP-40, it is a modular camera designed for easy serviceability. Other features include +6- and +12-dB gain, color bars, built-in test pulse, automatic camera cap, IQ encoder, and standby mode. A snap-on battery mounts directly on the camera to provide over two hours operation. The price is about \$25,000 without the lens. Available studio options include genlock, 5-in viewfinder, and remote control panel.



**The Arriflex Image Stabilizer**, a unit able to eliminate virtually all effects of vibration and shock and said to make handheld shots look like smooth dollying, has been announced by Arriflex Corp., One Westchester Plaza, Elmsford, NY 10523. Weighing less than 5 lb, the unit slips over the front of any film or television lens less than 76 mm in diameter (larger lenses may be adapted) and runs for up to 8 h on a single "D" size flashlight battery. The unit consists of an optical system governed by a precise battery-powered gyro-

**The difference between a film with torn perforations**



**and a projectable print can be a LaVeZZi VKF sprocket**

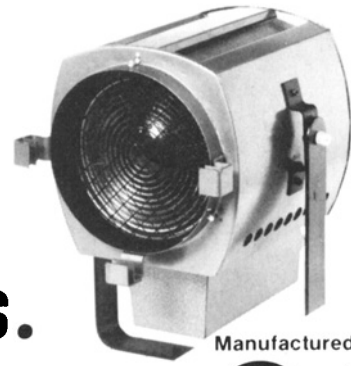
LaVeZZi's new "VKF" sprockets are adding life to all 35mm film, CS CinemaScope and standard KS film, by reducing film damage caused by abnormal contact with the sprocket.

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.

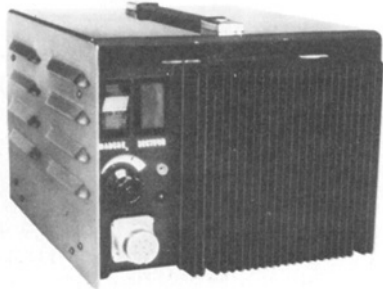
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HMI LIGHT	MAGNETIC BALLAST	THE MODULEUR
575W	± 100 lbs	<b>13.2 lbs</b>
1200W	± 150 lbs	<b>17.5 lbs</b>
2500W	± 200 lbs	<b>24.0 lbs</b>
4000W	± 275 lbs	<b>30.0 lbs</b>

### No more flicker!

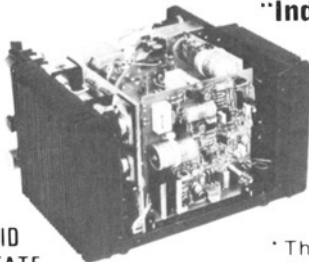
With conventional ballasts, HMI lights flicker at twice the AC cycle frequency.



The solid-state MODULEUR feeds perfect square wave power to the lamp. Result: no visible flicker.



**Small lightweight ballast • No flicker**  
**Longer lamplife • Save 500% to 800% power for "daylight" and 200% for "indoor" lighting**



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• Instant restrike  
 • Variable dimming saves time balancing lights.

\* The MODULEUR operates CID and CSI lamps of equivalent wattage

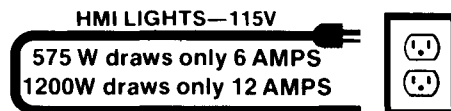
### Constant light and color temperature!

The MODULEUR's feedback circuit regulates arc power consumption against mains fluctuations and lamp aging.



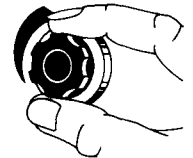
Light and color temperature remain constant ... and lamplife is increased up to 60% or more.

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### All this and dimming, too!

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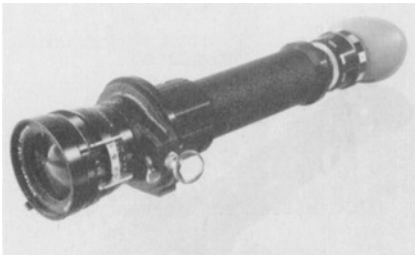
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Company \_\_\_\_\_

Street Address \_\_\_\_\_

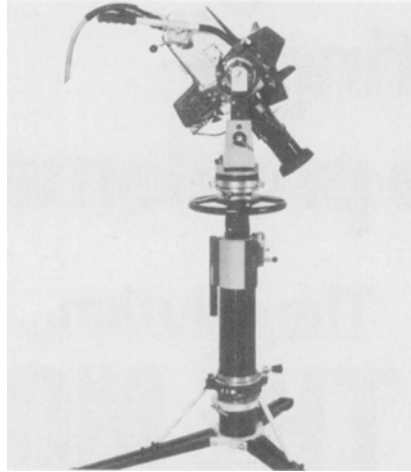
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scope. It is completely self-contained. There is no light loss or image degradation throughout the system. Mounted in front of the taking lens, the Image Stabilizer can equalize vibration frequencies of 1 Hz and higher. Focal lengths longer than 35 mm can be used when shooting in the 16-mm format and from 75 mm in the 35-mm format. The Image Stabilizer is priced at \$16,880. Available accessories include a hand grip with remote control switch priced at \$968; a support plate including support rods priced at \$428; a support mount, \$60; and a carrying case, \$335.

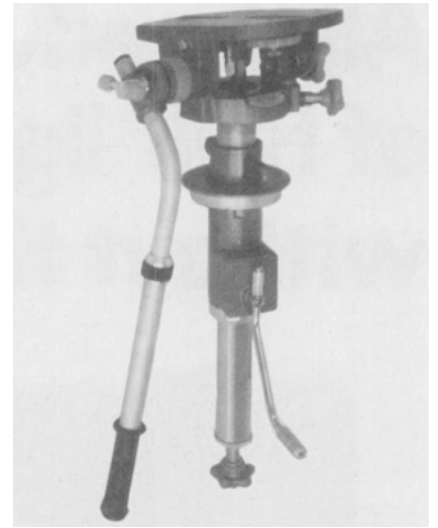


**The Director's Viewfinder**, a device which makes it possible to view a camera setup with the camera lens without using the camera, has been announced by Arriflex Corp., One Westchester Plaza, Elmsford, NY 10523. Viewing the scene through the taking lens allows the photographer to see the image exactly as it will be photographed, with the precise field of view, aspect ratio, spatial relationships, and depth of field. The viewfinder accepts any Arriflex lens, uses the same eyepiece as the camera and can be easily fitted with any aspect

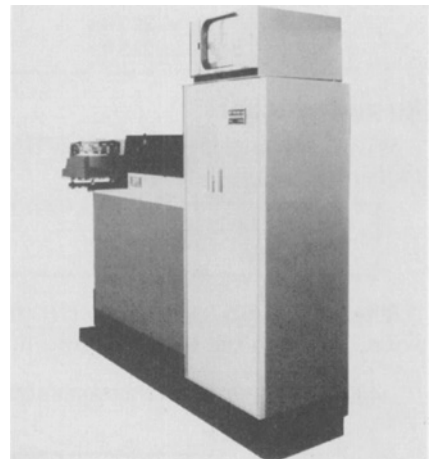
ratio viewing screen. Price of the Director's Viewfinder is \$1395.



**The Vinten post pan and tilt head, type 78**, designed to eliminate the need for springs and cams for counterbalancing by allowing the camera to pivot on its own center of gravity has been announced by Listec Television Equipment Corp., 39 Cain Dr., Plainview, NY 11803. With 50-lb capacity, the side mounted platform is adjusted to achieve balance. A lubricated friction damping system provides smoothness and is useful if long focal length zoom lenses should be employed. Features include a 360° tilt. The post head can adjust to any tripod or pedestal combination. The price is \$2613.



**The Gitzo counterbalanced panoramic head** for motion-picture and video cameras has been announced by Karl Heitz, 979 Third Ave., New York, NY 10022. Load capacity is claimed to be up to 65 lbs and more. The head is attached to a Rapid or Cremaillere gearlift center column with adjustable tension to increase or decrease the counterweight. Operated by an extensible handle (range 15 to 21 in), the head offers 45° front tilt, 45° rear tilt, 360° panning. It can be rigidly locked in any position. The 7 × 6 in platform has two movable 3/8 in (or 1/4 in) solid steel screws for attaching the camera. The Gitzo counterbalanced panoramic is priced at \$269.95 with the Rapid column, or \$379.95 with the Cremaillere gearlift column.



**A new telecine system, Model 1550B**, incorporating a specially designed professional broadcast color film camera, has been announced by Cohu, Inc., Electronics Div., Box 623, San Diego, CA 92112. Features include Cohu's Model 8500 color encoder with image enhancer; automatic balance; and automatic differential gamma balance. Among other features are 700-lines, center resolution; fast hands-off operation; remote setup and remote control panels; and an optical system having computer matched dichroic and neutral density trim filters for precision colorimetry control. The color standard is NTSC. PAL models are available. Prices begin at \$36,750. A number of options are available including the color comp, variable masking system which provides independent selection of hue and saturation in six segments of the color spectrum.

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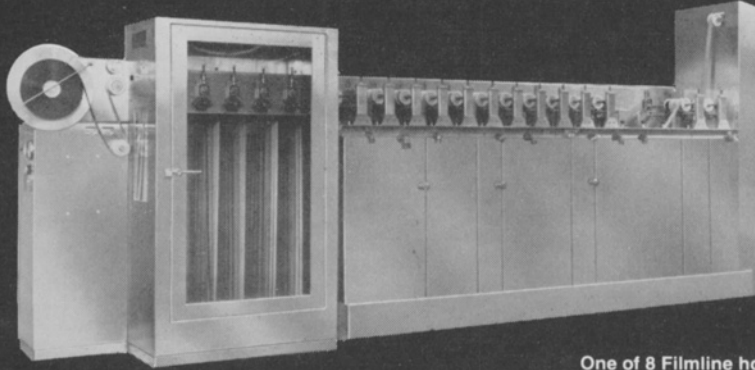
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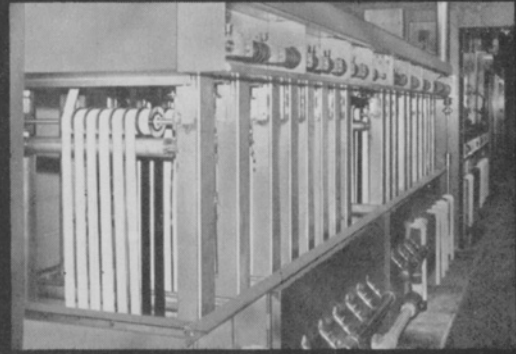


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No other competitive processor or film transport system commercially available has ever achieved the operational speeds and proven reliability of Filmline Micro-Demand Processors.

### SIGNIFICANT MICRO-DEMAND FEATURES:

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|----------------------|--|--|
| <b>Versatility</b>   | Any speed, any process.  | <input type="checkbox"/> Push-Button operation, and reliability allows operator to perform other functions while the machine is running! |
| <b>Reliability</b>   | Rugged construction, quality materials and sound engineering. Always ready when you are!   | <input type="checkbox"/> Automatic compensation for elongation and contraction of film during processing cycle.                          |
| <b>Flexibility</b>   | Any format 35mm, 35/32mm (1-3), 35/32mm (1-4), 35mm 5R S8, 16mm — 70MM-105MM etc.  | <input type="checkbox"/> Virtually eliminates all film breakage, scratches and static marks.   |
| <b>Dependability</b> | Can stand the gaff of long, continuous, top speed runs with "Zero-down-time."  | <input type="checkbox"/> All film spools use standard bearings or bushings.  |
| <b>Credibility</b>   | Ask the labs who own them. Most of them own not one but several.   | <input type="checkbox"/> Entire upper film shaft/roller assemblies easily removed. No tools needed.                                      |
| <b>Maintenance</b>   | Exclusive Maintenance Monitor tells when and where the machine needs attention. Significant savings assured.   | <input checked="" type="checkbox"/> Stainless steel construction used throughout.  |
| <b>Performance</b>   | Every Filmline machine is backed by a superb performance record compiled in over 25 years of continuous service to the industry. Twenty five years in the forefront of processing machine design and innovation. | <input type="checkbox"/> Proper operation can be determined at a glance, while machine is running.                                       |
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**Some things are easily broken...**

**...not the CO90!**



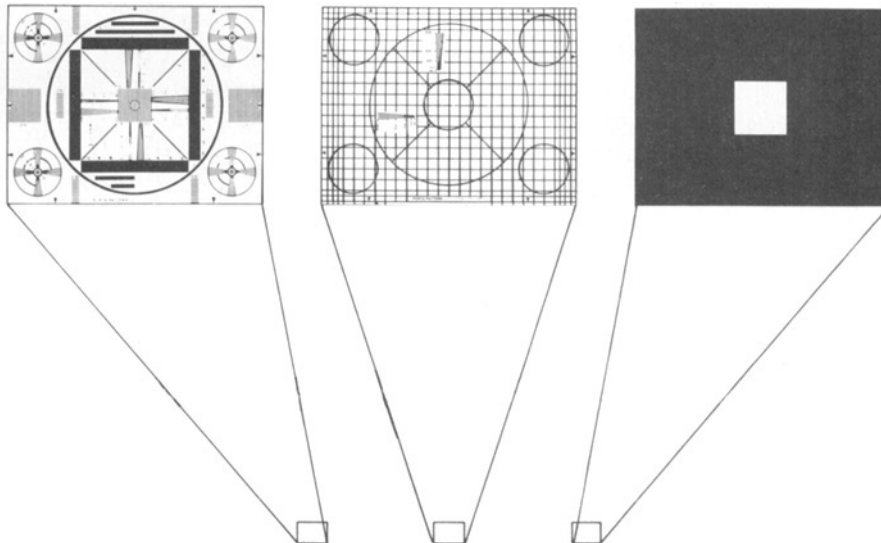
The CO90 miniature condenser microphone was designed by engineers who understand the "real world" requirements of a studio microphone. They've included things like cable assemblies that can be easily and inexpensively replaced in the field. But the CO90 has one feature that no other manufacturer can offer — the Electro-Voice warranty.

Electro-Voice backs up the CO90 with the only two-year unconditional warranty in the business. That means Electro-Voice will repair or replace your CO90 when returned to Electro-Voice — no matter what caused the damage.

Electro-Voice can offer that type of warranty because the CO90 was designed to withstand the rigors of professional use. If your application demands a miniature condenser microphone that can take less-than-gentle treatment, the CO90 is the one you should buy.

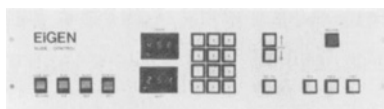
**EV** **Electro-Voice**  
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600 Cecil Street, Buchanan, Michigan 49107



**A three-chart microscope test slide** for use on television cameras mounted on optical microscopes has been announced by Telecommunications Industries Ltd., 6822 Santa Monica Blvd., Los Angeles, CA 90038. The tiny transparent images are said to be identical in precision and accuracy to standard charts for ENG, EFP, studio, and special film and television cameras. Use of the slide eliminates the time and inconvenience involved in

setting up the camera and a set of properly lighted charts when it needs checking or alignment. Precision glass test slides measuring  $1 \times 3 \times 0.060$  in are used for the 3-chart system. Size of each of the images on the slide is  $0.945 \times 0.0709 \pm 1\%$  with geometric precision within  $\pm 0.00002$  in. Each pattern fits within a 3-mm circle, the typical viewing area in a video microscope system. The price is \$995.

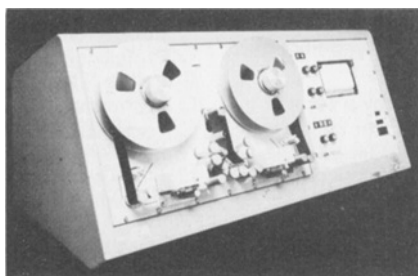


**A random access 600-slide controller** with a 64-address memory has been announced by Eigen, P.O. Box 1027, Grass Valley, CA 95945. The complete unit incorporating the controller, disk chassis, and digital TBC/DOC provides television stations with the means of getting 600 electronic stills on line. Any one of 64 locations keyed into the unit's memory gives instant access to a series of adjacent slides, operating forward or reverse with vertical interval switching. The 64-address memory can be used to program slides in advance. Late arriving material, such as wirephotos, can be added at the last minute by interrupting the memory mode to insert a new address manually. The memory mode can then be resumed unchanged. The complete unit is priced at \$25,000.

min and provide a 3-pen profile printout monitoring dropout levels and edge damage. Capabilities include simultaneous cleaning, evaluation, and certification for re-recording of a one-hour tape in 10 min; incoming inspection and certification of new tape; rejuvenation of high dropout recorder tapes; and improvement of VTR head life. Various models are available. Prices range from \$17,700 to \$23,900, depending on the model.



**The Commander I** computerized SMPTE or control track videotape editing system, designed to control two videotape recorders in either an on-line or off-line editing situation, has been announced by United Media, Inc., 1517-D Parkway Loop, Tustin, CA 92680. Capabilities include listing the edits with cut, wipe, and dissolves; 24-, 25-, and 30-frame rate selection; editing through midnight; and operation with 2-, 1-, or  $\frac{3}{4}$ -in VTRs. Commander I can provide event storage of up to 25 events. It can read, print, and punch an industry compatible tape and can be interfaced to most VTRs without modification. The price is \$12,950.



**The Elcon Magnetek tape cleaner/evaluator** has been announced by Television Equipment Associates, Box 260, South Salem, NY 10590. The machine can accommodate both 2-in and 1-in tape on the same transport. It can clean and evaluate a one-hour quad tape in 10

**The Automation Controller** for automation of VHS and Betamax recorders in duplication systems has been announced by Video Automation Systems, Inc., Upper Shad Road, Pound Ridge, NY 10576. The controls are on

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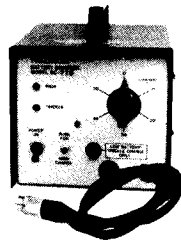
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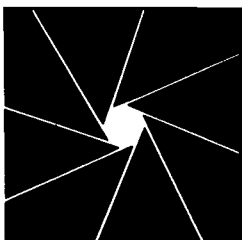
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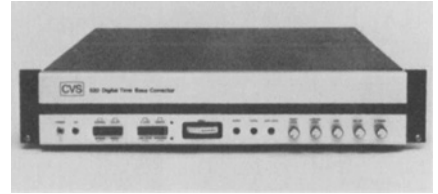
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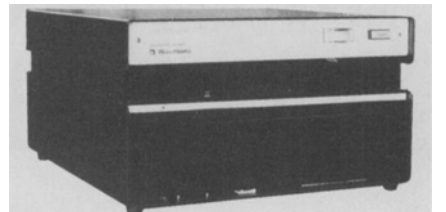
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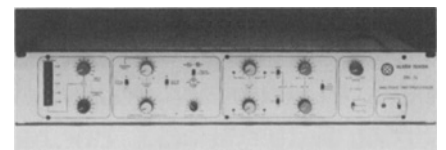
a rack mount unit having five lighted pushbuttons that program all the recorders to stop, pause, or record simultaneously. The same pushbuttons control the master playback VTR so that when the slave VTRs go into the record mode the master playback VTR automatically goes into the play mode. No modification of the VHS or Betamax recorders is necessary. The Automation Controller is priced at \$1495.



An improved version of the CVS 520 digital time base corrector, a broadcast unit that works with all types of videotape recorders, has been announced by Harris Video Systems (formerly Consolidated Video Systems), 1255 E. Arques Ave., Sunnyvale, CA 94086. The new unit, called the CVS 520B, has an optional 16-line window which makes it easier for broadcasters to deal with portable VTR gyro errors, random edits, and other problems of ENG and EFP. The CVS 520B has improvements in head switch handling. Like its predecessor, it dubs cassette and other non-capstan servoed heterodyne VTRs to quadruplex and other production machines, converts heterodyne VTRs to interlaced color, and uses 9-bit 4-times subcarrier PCM digital sampling to maintain picture quality on multi-generation tapes. The CVS 520B is 3½ in high and 19 in wide. The price with the 16-line window is \$14,990. With a 3-line window the price is \$13,990. Various accessories are available.



An automatic tape degausser, the TTD-501, has been announced by TeleMation, a division of Bell & Howell, P.O. Box 15068, Salt Lake City, UT 84115. The device is fully automatic and is capable of erasing current tape formats and coercivities, including C Format and high coercivity tapes up to 750 Oe. The TTD-501 takes only two revolutions to erase U-Matic, audio cassette, and 1-in or 2-in reels. A cooling fan prevents overheating, allowing continuous use. The TTD-501 is priced at \$2750. Various accessories are available.



The DN34 Analog Time Processor, a versatile sound effects generator, has been announced by Klark-Teknik Research Ltd., Summerfield, Kidderminster, DY11 7RE, Worcs., England. It is priced at £790.

The **AKG D-130 microphone**, featuring a transducer element cushioned within a compliant impact-absorbing suspension, has been announced by Philips Audio Video Systems Corp., 91 McKee Dr., Mahwah, NJ 07430. Said to be virtually immune to handling noise, mechanical shocks, and spurious vibrations, the microphone also incorporates a hum-bucking coil to cancel the effects of stray magnetic fields frequently induced by power cables, lighting, and other electrical equipment. The D-130 transducer is characteristically omnidirectional and does not have a proximity effect. The microphone was developed especially for field reporting by journalists and interviewers and also for use by professional newsfilm and ENG reporters. Price of the AKG D-130 is \$80.



Two new all metal **Frezzi-Lite™** handheld camera lights have been announced by Frezzolini Electronics Inc., 7 Valley St., Hawthorne, NJ 07506. Model FL-250 is available with a choice of a 150-, 250-, or 350-W tungsten halogen 30-V, 3400-K lamp, a removable swing-away dichroic filter, and a permanently attached 5-ft cable. Model FL-100 is similar except for a 100-W, 11.5-V lamp. Each of the two models is priced at \$195.

A new anti-piracy system called **Secure Copy 3**, designed to protect program material on videotape, has been announced by Video Automation Systems, Inc., Upper Shad Road, Pound Ridge, NY 10576. The new system allows playback of specially pre-recorded material only on players modified for Secure Copy 3. The tapes cannot be played on any other player. Through the installation of a simple on-off switch the modified players can be used to view unprotected tapes if desired. The modification consists of a small printed circuit board which is installed in both recorders and players. Secure Copy 3 is priced at \$520.

A **Video Vault series of Plio-Magic shipping cases**, designed to protect from one to ten U-Matic cassettes in shipment, was announced by Plastic Reel Corp., 46 Passaic St., Building 52, Wood Ridge, NJ 07075. Features include independent locking security on all four corners; lightweight, high impact design; overlapping construction to keep out dirt and moisture; and integral carrying handle. Price range of the shipping cases is \$32.88 to \$39.67, depending on the capacity required.

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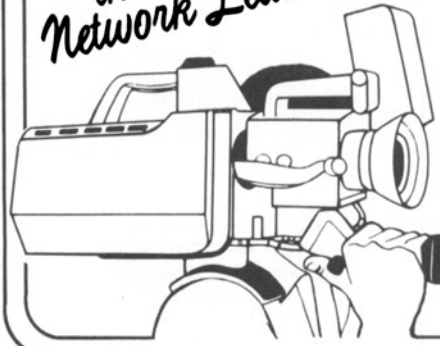
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