

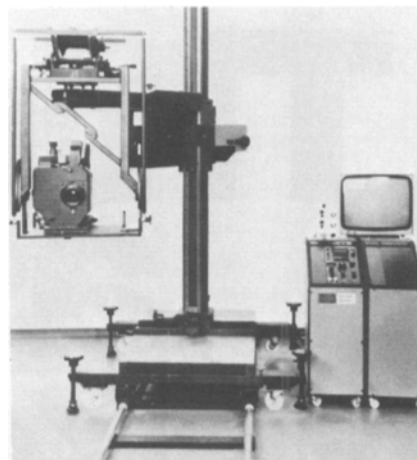
## NEW PRODUCTS

A special effects camera stand with optional computer control has been developed by Neilson-Hordell Ltd., Central Trading Estate, Staines, Middlesex, TW18 4UU, England. Designed to accept many kinds of cameras and to provide accurate camera movements when creating studio-effects filming (e.g., multiple-exposure zooms and pans or stop-frame model animation), the stand (designated Model 21.00) can also

have computer control to provide pre-programmed and repeatable accuracy in live action and multiple exposure work. Eight functions can be controlled by the computer including tracking, camera elevation, pan, tilt, camera run, shutter open and close, and shutter dissolve.

The stand has a heavy-duty steel column on a movable platform which fully rotates about its axis to track in or out of sets built at either end or for crabbing past or over the tops of models. The platform can be mounted on tabular tracking rails.

A camera-mounting bracket on the column is gear-driven up and down and has a position counter. The camera can be



*Special effects camera stand, Neilson-Hordell.*

LaVezzi's reputation for precision components has been unmatched in the film industry since we first manufactured sprockets for cinema projectors in 1908. Our component designs have contributed to improvements in film presentation and reductions in film maintenance. The quality has improved equipment reliability.

Equally important to the film industry, LaVezzi gears, shafts, cams, clutches, eccentrics and other components are contributing to the reliability of camera operations, in the control of film in projectors and cameras, in film processing operations, and in tape transfer systems. These parts are manufactured by people who can machine complex designs to strict specifications, and who care about

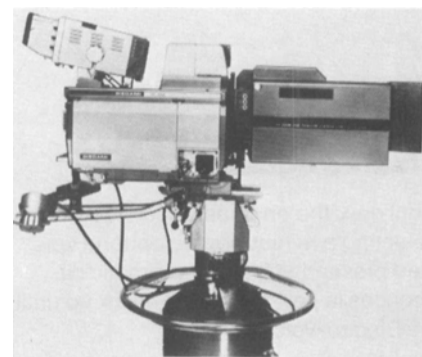
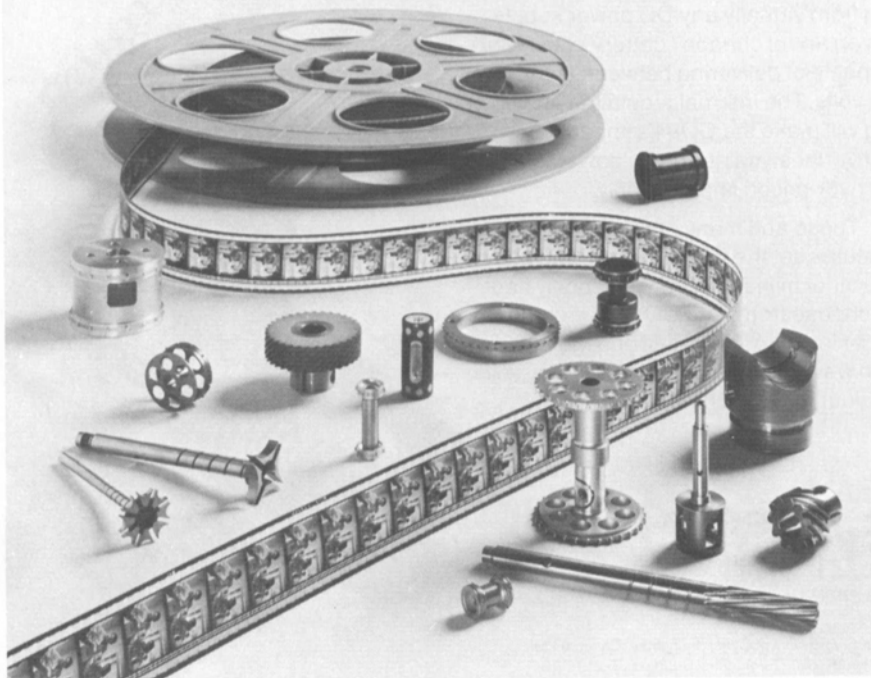
quality. It's the LaVezzi way of doing a job!

Our customers take pride in their LaVezzi machined components. They know it contributes to equipment reliability. When you need quality components, ask for "Precision Machining Capabilities" and see how LaVezzi Close Tolerance Components can improve your equipment reliability.

*LaVezzi*

LaVezzi Machine Works, Inc.  
900 North Larch Avenue  
Eimhurst, Illinois 60126  
(312) 832-8990  
Out of state, call toll free  
800-323-1772

## Precision machined components for cameras, projectors, film and tape processing equipment.



*Ikegami color TV camera, Model HK-322.*

An automatic, new-generation studio/field color TV camera, Model HK-322, has been announced by Ikegami Electronics (USA), Inc., 37 Brook Ave., Maywood, NJ 07607. A third-generation centralized digital control system permits setup and operation of up to 24 cameras simultaneously within a large broadcast center, all from a single control panel. The camera uses a prism-optics color-separation optical system with a variety of 30-mm standard or special Plumbicons. It is reported to have less than 0.05% color misregistration and under 0.1% geometric distortion over the entire raster. Automatic functions independent of computer control include white balance, black balance, iris, detail enhancement, pedestal, beam control, and an optical cap. A number of special effects include deflection modulation for "dream scenes" and scene compression for improving the picture contrast in foggy and/or hazy

# SMART FRAME SYNCHRONIZERS FROM UNDER \$10,000. AVAILABLE NOW.

DVS DIGITAL

DVS DIGITAL

DVS DIGITAL

DVS DIGITAL



DVS DIGITAL

DVS DIGITAL

DVS DIGITAL

DVS DIGITAL

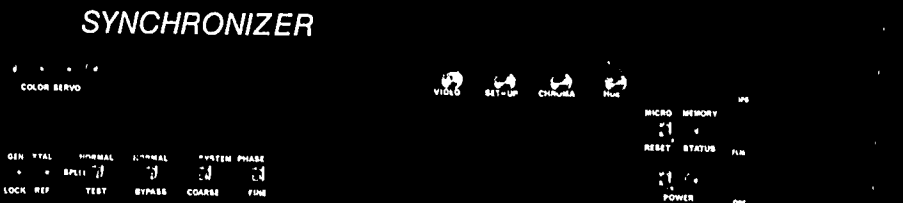


DVS DIGITAL

DVS DIGITAL

DVS DIGITAL

DVS DIGITAL



## PHASER IV

- synchronizes remote, microwave & satellite feeds without genlocking
- full Proc Amp for video gain, black level, chroma gain and hue
- eliminates complex studio to master control timing
- replaces costly sync feed to remote cameras – use a single coax or microwave
- internal digital, calibration generator
- automatic memory fault diagnostics
- modular – simplified servicing

## PHASER V

- all this, plus full frame store memory
- automatic hot switch provides freeze frame or black during input signal loss.

## PHASER VI

- plus chroma inversion for a perfect freeze frame or infinite switcher re-entry.

For more information on these all-digital products, or a demo, call any of the 55 DVS dealers across the country, or Digital Video Systems:

New York: (212) 695-5311

Los Angeles: (213) 462-6153

Toronto: (416) 499-4826

Toll-free: (800) 828-7644. In New York (800) 462-1134.

**STUDIO PRODUCTION SHOT WITH AN \$85,000 CAMERA.**



**STUDIO PRODUCTION SHOT WITH THE \$35,000 BVP-330.**



# CAN YOU SPOT THE \$50,000 DIFFERENCE?

Actually there is a difference. But in picture quality, it's not one you can see.

The video on the top was shot with a massive \$85,000 stationary camera. While the video on the bottom was shot with a lightweight, \$35,000 Sony BVP-330. Which doubles as an EFP/studio production portable.

Both cameras produce sharp, crystal-clear images. Both cameras produce brilliant, true-to-life colors. In fact, both cameras were selected by Michael Werner, Director of Engineering, at Broadway Video, for their production of the musical event of the decade—Simon and Garfunkel's reunion in Central Park.

If you wish to enhance the drama of your production—to capture those elusive, magical moments that only a flexible production portable camera can capture—consider this:

The Sony Broadcast Pro-

Sony is a registered trademark of the Sony Corp.

ducts Company has just improved the 330 with the introduction of the new Sony 330A.

It offers advanced deflection yokes and dynamic focus for an even better picture over the entire screen area. The corner resolution is sharp. The pictures are even closer to the natural crispness of film.

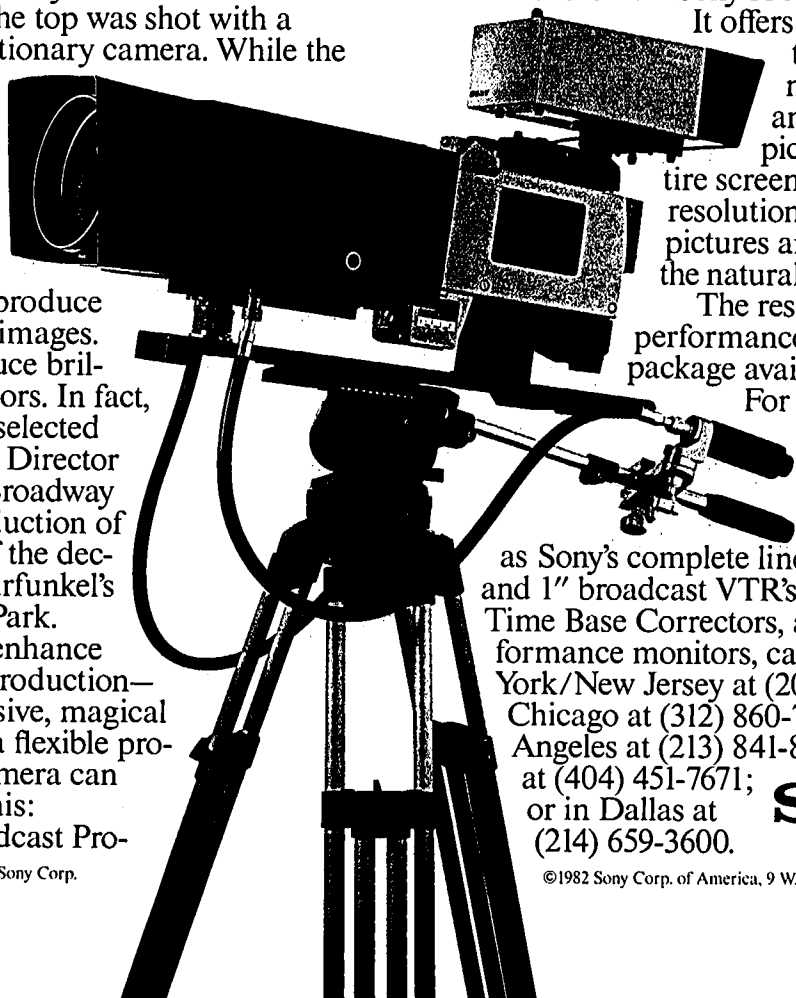
The result is the highest performance portable camera package available.

For more information on cameras that are worth a lot more than you pay for, as well

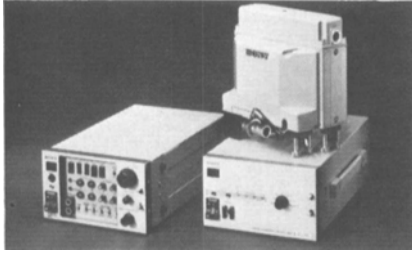
as Sony's complete line of 1/2", 3/4" and 1" broadcast VTR's, editors, Digital Time Base Correctors, and high-performance monitors, call Sony in New York/New Jersey at (201) 368-5085; in Chicago at (312) 860-7800; in Los Angeles at (213) 841-8711; in Atlanta at (404) 451-7671; or in Dallas at (214) 659-3600.

**SONY**  
Broadcast

©1982 Sony Corp. of America, 9 W. 57th St., New York, NY 10019.



scenes. Various options are available including triax-cable operation capabilities.

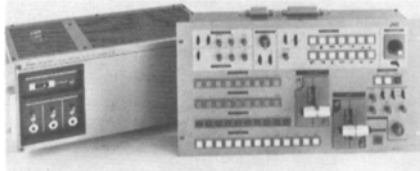


Digital command unit DCU-300.

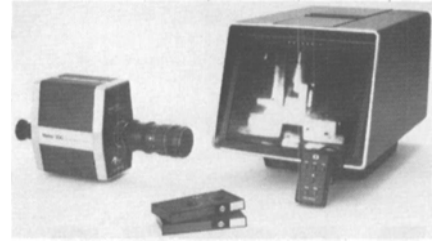
A new digital command unit, the DCU-300, developed to increase the versatility of the BVP-250/300/300A/330 series cameras for field applications, has been announced by Sony Broadcast Products Co., 9 W. 57 St., New York, NY 10019. The DCU-300 enables the user to operate the camera and the camera control unit at a great distance from each other. It provides up to a 1200-m extension with an 8.5-mm diameter triax cable and up to 2500 m with a 14.5-mm cable. Features include simultaneous power and signal transmission, selectable 1200/2400 baud rate, built-in data dropout and RFI immunity, and feeds for return video, program audio, and intercom. With the CCU-300 camera control unit, the DCU operates on ac or dc power and is 19-in. rack mountable.

A color special effects generator, the KM-2000U, has been announced by US JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407. It permits fast, flexible programming through a three-bus system with eight video inputs, a built-in background color generator, and RGB-type chroma-keyer. In addition to 13 wipe patterns with soft edge control and joystick positioning of several effects, the controls include two fader levers, a switchable external key input and downstream color keyer and keyer preview.

In addition to the inputs for eight composite video signals, an Aux input accepts a composite nonsynchronous signal, and an external key input is switchable between the built-in chromakey and an external source. All video inputs have 75-ohm terminations and all connectors are BNC type. Vertical interval switching eliminates switching noise in the picture. One preview and three program outputs are provided, and auto takes can be made by feeding the preview line to a program output.



Special effects generator, Model KM-2000U.



Mekel 300 high speed film recording system.

The Mekel 300 high-speed film recording system for instant color motion analysis of fast motion phenomena has been announced by MA Systems Co., 771 Penarth Ave., Walnut, CA 91789. The Mekel 300 camera films at variable speeds up to 300 fields/sec and uses Polaroid snap-in film cassettes. The exposed film cassette is inserted into the polavision analyzer where it self-develops and projects the film automatically in slow motion or freeze frame for detailed analysis.

A new film editing system, the TV-2000 and the optional Data-Film-800 micro-computer film condition analyzer, have been announced by Research Technology International, 4700 Chase, Lincolnwood, IL 60646. Features of the TV-2000 include a previewer system showing the over-scanned picture with frame lines for easy cue mark detection; an electronic timer display; LED cue tab counter; and a totally

# Nothing Compares to The Quality and Feel of The Nagra T-Audio Studio/Remote Recorder

**NAGRA MAGNETIC RECORDERS, INC.**  
A Subsidiary of Nagra Kudelski, Switzerland



**East Coast**  
19 West 44th St. Room 715  
New York, NY 10036  
(212) 840-0999

**West Coast**  
1147 N. Vine St.  
Hollywood, CA 90038  
(213) 469-6391

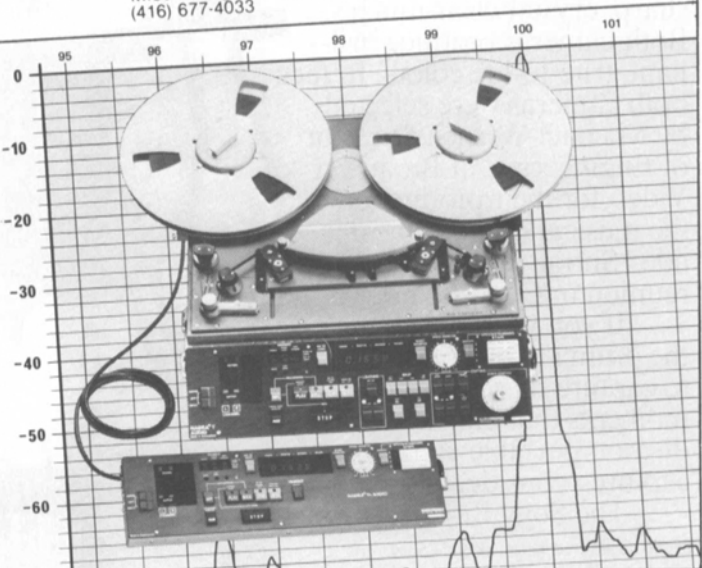
**In Canada:**  
Arri/Nagra, Inc.  
6467 Northam  
Mississauga, Ont. L4V 1J2  
(416) 677-4033

- Twin Capstan, Servo-controlled tape transport with interhead tension sensing.
- Detachable, individual control keyboard for full remote capabilities.
- Interchangeable head assembly.
- Keyboard selection of any one of four pre-set modes for speed, tape type and standard.
- Four speed operation — 30ips, 15ips, 7½ips, 3¾ips, plus variable playback speed control.
- High speed copying capabilities — ten m/s spooling.
- Servo-control editing with built-in cutter.
- AC/DC operation... even off your car battery.
- Matrix display for "record" and "output" modes.
- Power, phase-lock and tape tension warning display.
- 15¾" L x 15½" W x 9¾" H, compact; 44 lbs lightweight.



Roll-about pedestal available.

Test curves and complete specifications on request.



# GEYER-VIDEO

**Our unique video  
lab offers**

- any postproduction  
service
- film to tape transfer



**OUR HIT**

**SCRATCH-FREE TRANSFER  
BY FULL IMMERSION WETGATE**

Geyer-Video GmbH, Harzerstr. 39-46, Berlin-Neukölln, Telex: 0184049, Telefon: 030/6801-1

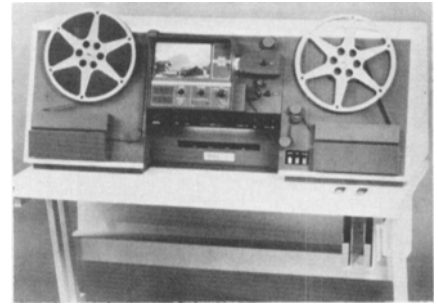
# NICAD BATTERY POWER

- Comfortable Softbels: 4AH to 14AH; 6 to 30 Volts.
- Compact Powerpaks — 4AH to 20AH; 6 to 30 Volts.
- Direct Replacements for Sony's BP-90, BP-60, BP-20, BP-20A; JVC/Panasonic PBP-1 Batteries.
- On-Board Batteries and Special Types for JVC KY-1900; Hitachi FP-10, FP-21, FP-22. No Bracket Required.
- Universal Fast Charger for All Makes of Fast Charge Batteries.



## FROM CINE 60

*The Original*  
There's Always Something New From Cine 60.  
630 Ninth Ave., New York, NY 10036 (212) 586-8782  
6430 Sunset Blvd., Hollywood, CA 90028 (213) 461-3046  
TWX: 710-581; TELEX: 645-647



Film editing system, TV-2000, RTI.

solid state, logic-controlled operation. The system has a modular design for easy maintenance and addition of options. The threading covers permit fast, safe, one-hand loading. An ultrasonic sensor stops the film at the end of the reel or if the film breaks. A detection system automatically adjusts for acetate or polyester film.

The optional Data-Film-800 produces film condition information automatically printed on record cards. A film summary report provides a film condition history for each reel. The defect location report indicates the nature of the damage (thickness, perforation, or soundtrack) and the location of each film defect. The printed information includes a splice location report and a film program timing report providing segment and total film length printed out in either footage or running time.



Videocassette recorder, CR-4700U, JVC.

A 3/4-in. videocassette recorder, the CR-4700U, which provides instant video preview while recording, has been announced by US JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407. The video signal can be monitored from the tape via the camera viewfinder or on an external monitor. A separate pair of playback heads, located 90° behind the record heads in the drum, scans the tape approximately 8.3 ms after the video track is made.

Features include SMPTE time-code capability. With the optional TCG-47U SMPTE time-code generator attached, the recorder codes videotape with minutes, seconds, and frame numbers. Other features include head switching in the vertical interval, balanced audio with XLR connectors and dual VU meters, external subcarrier/sync inputs, frame servo, and automatic assemble editing. A four-digit LCD real-time tape counter complements the recorder's bi-directional search capability. Search speed is ten times normal speed. The recorder weighs 19.8 lb and measures 13 3/4 x 5 1/4 x 14 in.



AMERICAN CINEMATOGRAPHER MANUAL

## THE BOOK for all reasons

Detailing processes, techniques, equipment and fundamental facts of cinematography... Written by the top men in film.

THE AMERICAN CINEMATOGRAPHER MANUAL  
P.O. BOX 2230 5TH EDITION  
HOLLYWOOD, CALIFORNIA 90028

NOW

IN

STOCK

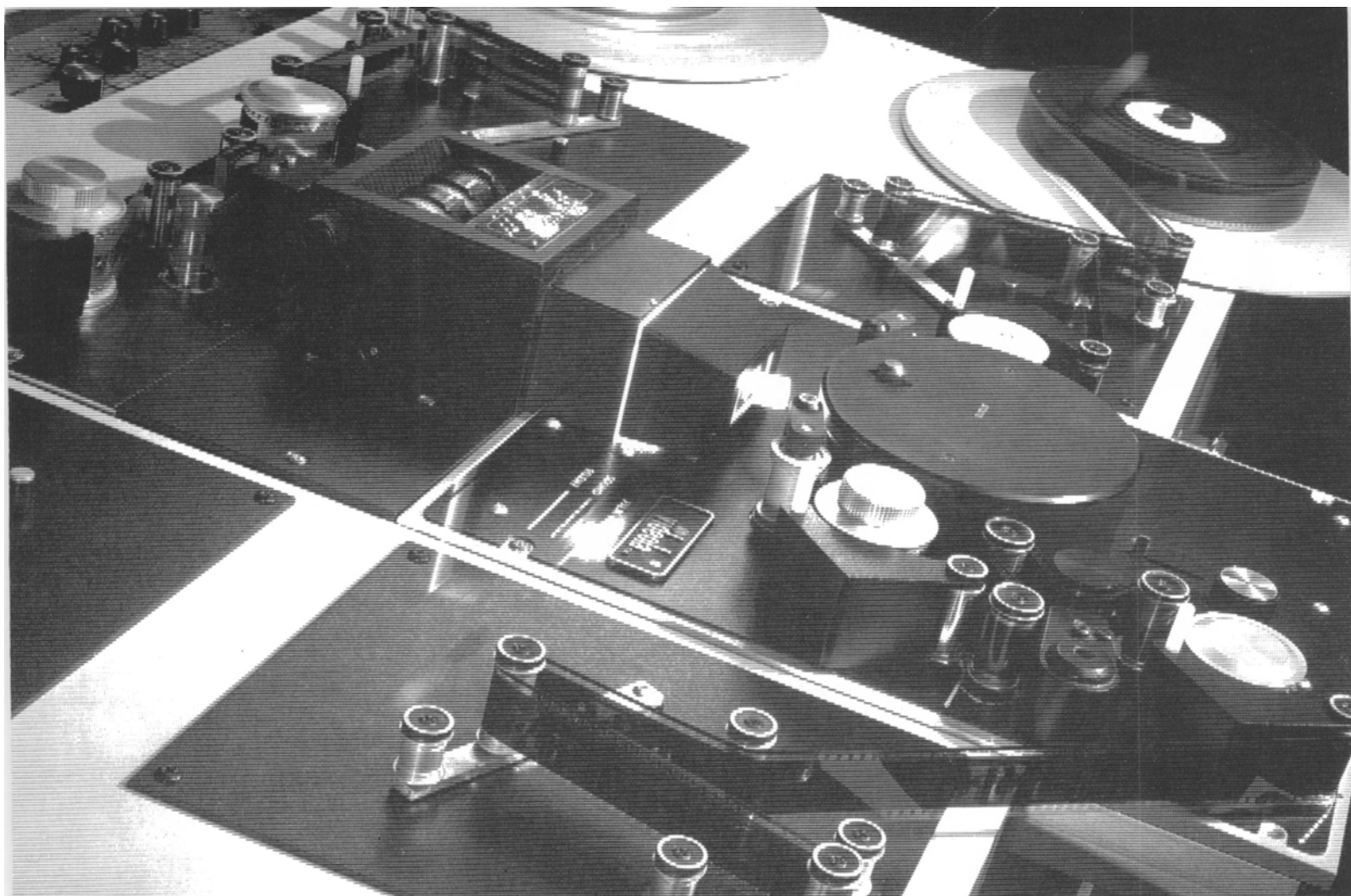
Please send \_\_\_\_\_ copies of the AMERICAN CINEMATOGRAPHER MANUAL @ \$25.00 each, plus \$1.00 handling fee (foreign offers, \$2.00 handling). No C.O.D.'s.

NAME \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

California residents please remit 6% Sales Tax (\$1.50 per Manual). Foreign Buyers please pay by International Money Order or U.S. Funds.



## HOW TO MAKE VIDEO WITH THE LOOK AND FEEL OF FILM

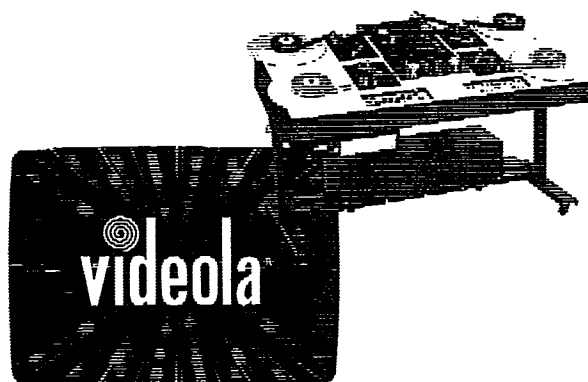
Shoot on film then transfer to video on a Videola®. Genuine Videola transfers retain the richness and subtlety of film, and provide state-of-the-art sharpness and resolution.

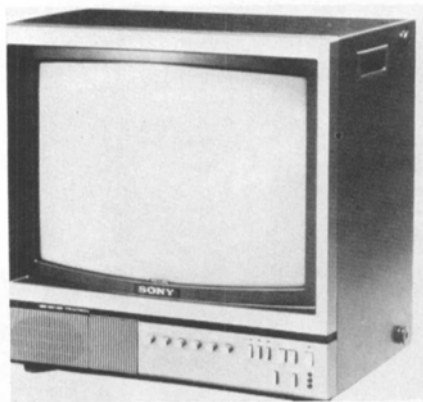
The secret is the unique Flickerless Prism® optical system which optically combines adjacent frames to recreate continuous motion before generating the video signal. Images are delivered direct to the pickup tube of a studio-quality video camera...readily replaced by tomorrow's high-resolution model.

Only Videola offers flickerless, jitterless transfers at any speed from 2 to 150 or 250 fps...without regard for TV synchronization or scanning rate. Only Videola is so elegantly simple that it can be up and running the day it arrives, and can run month after month with zero maintenance.

Please call or write for information on the advantages of a Videola installation, two-plate or four; 16mm, 35mm or both. In the east, contact Laumic Co. Inc. New York.

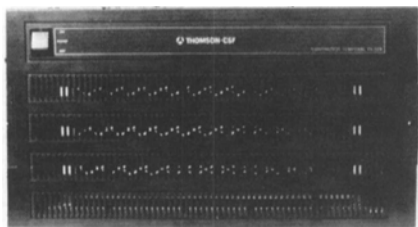
Magnasync/Moviola Corporation, A Subsidiary of Craig Corporation, 5539 Riverton Avenue, North Hollywood, California 91601. Phone: (213) 763-8441. Telex: 67-3199 MAGNA/MOVIO. Cable: MAGNASYNC





Color video monitor, PVM-1900PS, Sony.

A 19-in. color video monitor, the PVM-1900PS, has been announced by the Video Communications Div. of Sony Communication Products Co., 9 W. 57 St., New York, NY 10019. The monitor can interface with any of the world's major television systems, offering PAL, SECAM, and NTSC 4.43 reproduction capability, selectable manually or automatically. It can handle video signals of CCIR 626 lines/50 fields or EIA 525 lines/60 fields. The monitor has triple inputs. It is equipped with an 8-pin connector and BNC connectors, a built-in speaker for audio monitoring, and sub-volume control to provide initial sound level. Normal and narrow scanning are selectable and the monitor accepts an external sync. A Trinitron® picture tube features 100° deflection. Audio power output is 3 W and power required is ac 1200 V, 50/60 Hz. The monitor consumes 115 W and weighs 69 lb 7 oz.



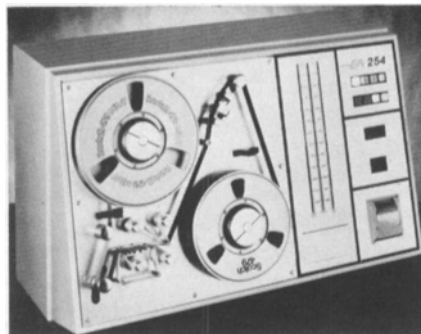
Continuous recursive filter, Model 9300.

A continuous recursive filter (CTF), Model 9300, for use in a medical x-ray fluoroscopy television chain at full-resolution, real-time frame rates, has been announced by Thomson-CSF Broadcast, Inc., 37 Brownhouse Rd., Stamford, CT 06902. Adding Model 9300 to this examination system applies the benefits of bandpass filtration techniques to digital angiography testing, providing an alternative to the more traditional subtraction imaging process.

Diagnostic imaging benefits realized by using Model 9300 with bandpass filtration systems include elimination of background anatomy; lower patient radiation exposure levels; removal of quantum and electrical noise that degrade x-ray television signals; partial suppression of image variations caused by patient motion; and compati-

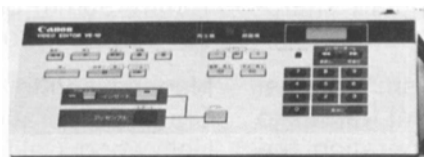
bility with existing R/F angio room equipment.

Thomson-CSF Broadcast, together with researchers at the Department of Radiology, University of Utah, developed the Model 9300 from technology originally designed for problems caused by noise in television signals.



Videotape evaluator, Elcon 254.

The Elcon 254, a new videotape evaluator which accommodates 1-in tape, has been announced by Television Equipment Associates Inc., Box 393 South Salem, NY 105900393. The tape-cleaning technique of wiping and honing is identical to that used in prior Elcon models but the evaluation display, which locates and identifies dropout and edge damage, has been substantially improved. Electronic profiling can locate and identify damaged tape areas that register visually on the three LED linear display panels. The panel is divided into three illuminated linear displays representing Top Edge, Video, and Bottom Edge of the tape. The displays are calibrated in 1/2-min segments from 0 to 64 min. A 2X scale allows operation with longer tapes. No light indicates that the number of defects is below the predetermined acceptability level. The illuminated panels show the total tape length to the nearest 1/2 min.



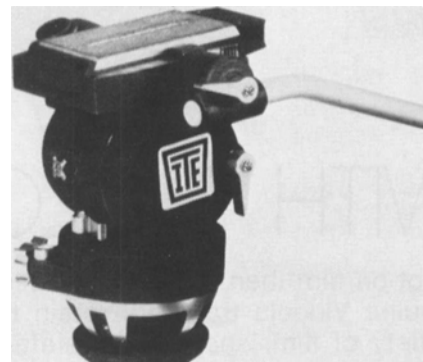
Home video editor, Canon VE-10A.

A home video editor, the Canon VE-10A, has been introduced by Canon USA, Inc., One Canon Plaza, Lake Success, NY 11042. It is designed primarily for use with the Canon VR-10A recorder. The unit allows the home recordist to insert, assemble, and perform audio dubbing from a source to a master videotape setup. The editor has connections for two recorders and uses only 5 V dc supplied by the recorders themselves. The VE-10A has controls for forward, reverse, play, record, audio dub, stop, pause, frame advance, slow motion review and cue, out-of-memory, insert, and assemble. The VE-10A weighs only 12.7 oz.



Zeiss macro zoom lens.

The Zeiss 10-100 mm T2 Macro Zoom lens has been announced by Arriflex Corp., Blauvelt, NY 10913. The lens features compact construction, excellent image quality throughout the entire zoom range, and a constant, high  $f/1.8$  aperture at all focal lengths. The macro setting is engaged with a single button and offers a 1:4 image ratio. All glass-to-air surfaces feature the Zeiss "T" multilayer coating to reduce internal reflection. Both focus and zoom controls on the 10-100 zoom are prefitted with gear rings and the lens's front element does not rotate, enabling the user to attach filter frames or rectangular matte boxes directly to the lens. The Zeiss 10-100 zoom can be used with the Aspheron Super wide-angle supplementary lens in the macro setting for extreme wide-angle shooting. The lens is 7 1/4-in. long and weighs 3 1/4 lb.



Fluid-dampened head, ITE-H16, Innovative Television Equipment.

A fluid-dampened head, the ITE-H16 for ENG cameras, has been announced by Innovative Television Equipment, P.O. Box 681, 6445 De Soto Ave., Woodland Hills, CA 91365. It is a lightweight (6 lb) adjustable center-of-gravity pan and tilt head with a load capacity of 25 lb. The ITE-H16 provides incremental fluid dampening in both pan and tilt with adjustable counterbalancing in four basic tension modes. This feature is said to eliminate completely nose- or tail-heavy camera configurations with exact balancing achieved within seconds. Both pan and tilt drag are adjustable within four steps. A quick-release plate with automatic locking system is included. One control handle and a built-in spirit level are standard. Optional dual handles and claw ball mounting are available. The ITE-H16 is priced at \$1,950.

# Colortran®

First Again . . .

Pole Operated Fresnels With  
American Technology & Quality.



Colortran's new 1kW, 2kW and 5kW Fresnels are the most important development in video lighting in 20 years. How about a 2kW Fresnel that delivers 50% beam lumen efficiency performance? No one else does that — No one!! If you buy them, you'll cut your studio lighting power costs — with smaller, efficient, easier to use equipment — and the savings will go right to the bottom line — and you'll have top performance and — you'll look good.

For Technical Data on Fresnels  
Mail This Coupon To:  
Colortran — 1015 Chestnut St., Burbank, CA 91506

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Position \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_

SMPTE1182