

The book presents a wealth of useful, very detailed, and precise information to the reader. It is written in French and thus requires the reader's full attention. That, however, may well be worth the effort.

— Pablo Weinschenk-Taberno

### Booklets, Brochures

Seven oscilloscopes are described in a four-color, eight-page brochure available from Leader Instruments Corp., 380 Oser Ave., Hauppauge, L.I., NY 11788. The new LBO-518 50-MHz oscilloscope is shown across two pages with controls captioned so that every function can be studied. Other oscilloscopes are described and illustrated. In addition to displaying all controls of the LBO-518, the brochure describes the operation and advantages of such features as calibrated delayed-sweep/dual-time base for measurement versatility, alternate triggering for viewing two signals unrelated in frequency, extremely high sensitivity, and variable holdoff, which permits stable displays of complex signals.

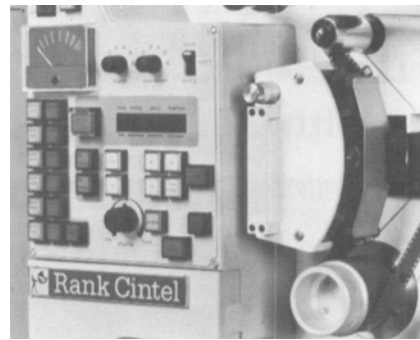
A brochure describing Magnetic tape maintenance equipment and providing information on maintenance techniques is available from Data Devices International, Inc., 20235 Bahama St., Chatsworth, CA 91311.

## NEW PRODUCTS

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 manufacturer's statements and publication of these items does not constitute endorsement of the products or services.

The FeRRIT (Ferro Recording and Reproducing Interlocking Transport) separate magnetic sound follower has been announced by Rank Cintel Ltd., Watton Road, Ware Herts SG12 OAE, England. The FeRRIT is a 16/17.5/35-mm record/replay machine designed for telecine, VTR, and sound-dubbing applications. The system incorporates a large-diameter, sprocketless capstan with 180° wrap-around. This arrangement eliminates the need for a pinch roller.

The FeRRIT is capable of interlocked operation with an MkIIIC telecine, which shuttles at 20-times normal speed with 16-mm film. The unit can lock to two-phase TTL pulses from a telecine and can synchronize with a 50-Hz or 60-Hz pilot tone, mains, or TV sync pulses. Six tracks



FeRRIT control panel

for replay or record/replay are available on 35-mm film and three on 16-mm. Provision is made for a pre-listen audio head which is switchable among all channels for cueing purposes.

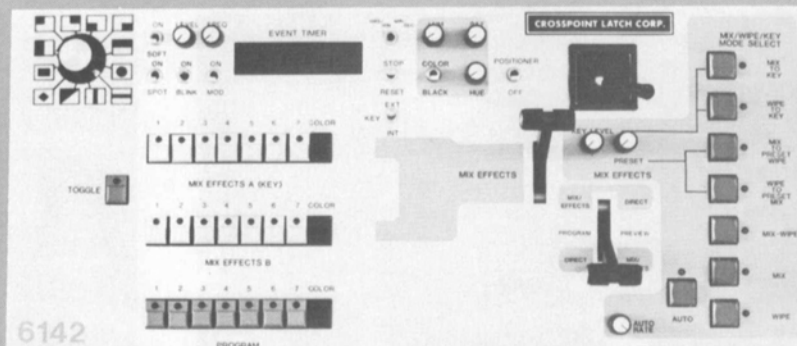
A microprocessor-based control system for telecine called Prefix has been developed by Marconi Communications Systems, Marconi House, New Street, Chelmsford CM1 1PL, England. Optimum color reproduction is achievable using a pre-programmable system developed for use with the B3410 digital line-array telecine. Shot-by-shot control settings are optimized during a pre-run of the film and automatically stored. As the film is run, the stored data takes control, frame by frame to reproduce exactly the predetermined set-

## VERSATILITY AND FEATURES

Complete a mix or wipe on a 6142 (or any of our switchers for that matter), and there is **ABSOLUTELY** no **COLOR CHANGE** or **HORIZONTAL SHIFT**, we mean just that, absolutely none. That is because the 6142 has a blanking processor which replaces the sync and burst on all incoming video signals with a constant amplitude internally generated signal, completely eliminating the continuous problems caused by small drifts in your cameras and TBC's. **You never know the value of a blanking processor until you own a switcher that does not have one.**

Model 6142  
Price NTSC \$5245.  
PAL \$6245.

DELIVERY WITHIN TWO WEEKS



- DISSOLVE TO AN EFFECT
- AUTOMATIC MIX AND WIPE
- BLINK/KEY EFFECTS

- LOOP THRU INPUTS
- PATTERN MODULATOR
- BLANKING PROCESSOR

- BLACK BURST OUTPUT
- DOUBLE RE-ENTRY
- BACK PORCH INPUT CLAMPS

The 6142 is an extremely stable and versatile switcher. A very useful feature is the program and the preview cross-fade. This permits a convenient dissolve from one camera to a previewed effect between two other cameras and then a dissolve to a previewed fourth camera.

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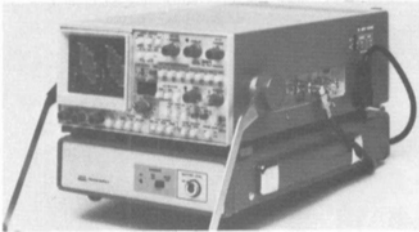
Available in 2", 1", 3/4" and 1/2" Beta and VHS.



© 1981 Fuji Photo Film U.S.A., Inc., Magnetic Tape Division, 350 Fifth Avenue, NY, NY 10118

tings. The same system also controls aperture correction, CinemaScope pans, audio, and other levels, together with film speed and other transport functions. High-speed frame search, film management for rapid retrieval of particular segments, and other facilities are also included. Stored information can be held on tape for subsequent re-use.

Prefix is controlled from a keyboard at the remote console and displayed on a monitor.

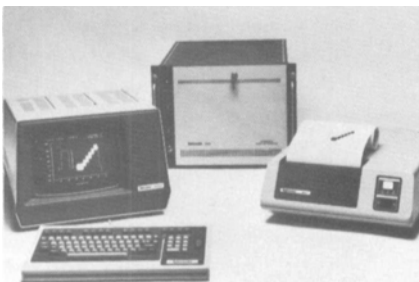


*Tektronix portable 381 PAL test monitor*

The portable 381 PAL test monitor has been announced by Tektronix Europe B.V., P.O. Box 827, 1180 AV Amstelveen, The Netherlands. The unit incorporates the functions of a waveform monitor, vector-scope, and an oscilloscope, and it enables the user to examine the entire video signal. The 381 is manufactured in Japan by Sony/Tektronix Corp., a joint venture company.

The portable 381 PAL test monitor, providing three functions in one unit, measures 4.48 × 9.48 × 14.48 in. and weighs 12 lb. A clip-on battery pack increases the weight by only 4 kg.

Capable of many measurements required for television, the 381 performs by itself as a precise measurement unit as well as for normal signal monitoring in television production. It can be used in field applications such as ENG, EFP, and other portable operations, such as testing and measuring broadcast equipment in the studio and mobile production van, and at the transmitter site. When used in the waveform monitor mode, there are traditional field displays, line displays, and a new 7H display which provides simplified monitoring of vertical interval signals.



*Tektronix 1980 ANSWER*

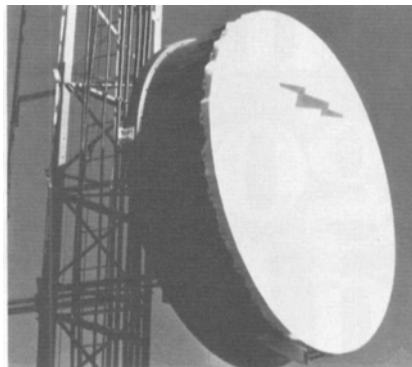
The Tektronix 1980 ANSWER, previously available only with NTSC or PAL measurement software, is now available with software to monitor video quality in PAL and NTSC in the same system, it was announced by Tektronix Europe B.V., P.O.

Box 827, 1180 AV Amstelveen, The Netherlands.

The PAL software, Option 2, uses signal elements such as the linearity staircase, 20T pulse, three-level chrominance, and the 2T pulse to make video measurements such as differential phase, differential gain, chrominance-to-luminance delay, and bar tilt. Option 02 is programmed to make over 15 different measurements.

The NTSC software, Option 03, is programmed to make over 16 different measurements, including blanking level, bar amplitude, sync and burst amplitude, sync width, sync rise and fall time, burst width, and SC/H phase.

ANSWER can be operated manually or, with the optional autocall interface, can be operated remotely and completely unattended.

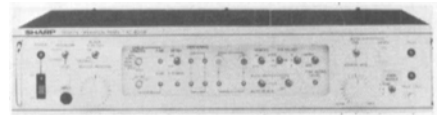


*UMX multiband antenna*

The UMX™ multiband antenna providing simultaneous dual frequency/dual polarized operation in the 3.7–4.2 GHz and 5.925–6.425 GHz bands has been announced by Andrew Corp., 10500 W. 153rd St., Orland Park, IL 60462. The antenna's radiation pattern discrimination simplifies frequency coordination. Features include a 4-port combiner. The antenna/combiner assembly provides low VSWR, excellent port isolation, and high cross-polarization discrimination. The combiner ports interface with standard EIA rectangular flanges and no field tuning is required.

An addition to the SL-2000 Fiber Optic Transmission System consisting of a new transmitter/receiver module set has been announced by Artel Communications Corp., P.O. Box 100, West Side Station, Worcester, MA 01602. Designated the T-2020/R-202, it combines video and audio on a single card module set. The module set is designed to make fiber optics cost-effective in video/audio applications over shorter distances. Maximum transmission distance of the T/R-2020 is one km, as compared to the 6.4 km (4-mile) range of other SL-2000 module systems. The T/R-2020 card modules plug directly into the S-2000 Universal Card Frame with up to nine modules per frame. The T-2020 transmitter accepts 75-ohm, 1-V

p-p video, and 600-ohm balanced audio and converts the signals to a composite optical signal which is transmitted through the fiber optic cable. The R-2020 receiver reconverts the optical signal to full-level video and audio. BNC connectors are used for the loop-through video inputs and dual video outputs. Price of T/R-2020 is \$2250.

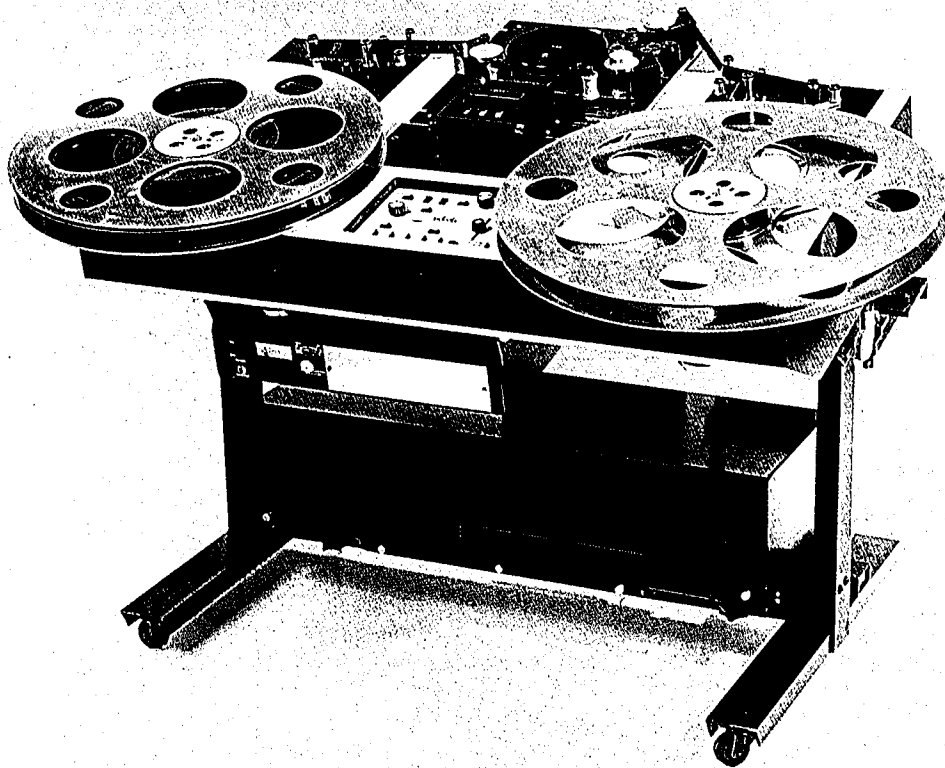


*Remote operations panel for Sharp XC-800 camera*

A new remote operations panel designed for use with the Sharp XC-800 camera, used for ENG/EFP and studio work, has been announced by Sharp Electronics Corp., 10 Sharp Plaza, P.O. Box 588, Paramus, NJ 07652. Designated Model XC-80RPA, the new panel controls major functions of the camera from a distance up to 1000 ft. Controls, adjustments, and indicators include power on/off, master pedestal, black stretch on/off, auto-white balance on/off, auto white/black set, auto iris on/off, auto iris level, manual iris control, detail on/off, R/B gain controls, video R/G/B registration select, color bar/camera select, horizontal and subcarrier phase controls, and cable-length compensation select with fine adjustment. A single multiconductor cable between the XC-80RPA and the XC-800 with serial data transmission sends all necessary information between the camera and the panel, making setup and operations quick and easy.

A family of fiber optic transmission products designated Wavelink™ has been announced by the Grass Valley Group Inc., P.O. Box 1114, Grass Valley, CA 95945. Applications include television broadcasting and production, closed circuit communications systems including local networks and video conferencing, and security and surveillance systems. Current Wavelink™ equipment includes a full wideband 10-MHz broadcast quality channel and a 6-MHz video-plus-audio channel. Both systems consist of LED-based transmitters and APD receivers and have been designed to accommodate expansion in a modular arrangement.

A raster graphics display system with 1024 × 1024 resolution, vector generation at speeds to 200 ns/pixel, and full alphanumeric has been announced by Grinnel Systems, 2159 Bering Dr., San Jose, CA 95131. Called the GMR 27-68, the system produces a 1024 × 1024 interlaced 30-Hz black-and-white or color display. Up to 16 colors or eight colors with blink can be displayed from a palette of 4096 colors. The system consists of a display generator and power supply, 8 bits of refresh memo-



## SUPERB VIDEO, ELEGANT SIMPLICITY.

INTRODUCING THE VIDEOLA® V-500 ... for broadcast-quality Film/Video Synthesis™ in a new, compact form.

Offering all of the quality and convenience features of the widely-accepted V-1000, this new model is for applications which don't require sep-mag facilities, but do need the capacity for films up to 6,000 feet in length.

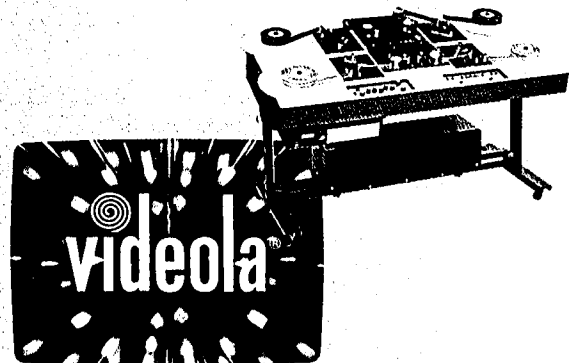
Built around the unique Flickerless Prism® optical system, Videola produces superb images with no sign of flicker, jitter or frame lines ... at any frame rate. Because the Videola optics merge adjacent frames into a continuously-moving image, TV synchronization is no longer a consideration. Video transfers can be made at crystal-controlled sound speed or at any speed forward or reverse up to 6x (35mm) or 10x (16mm) sound.

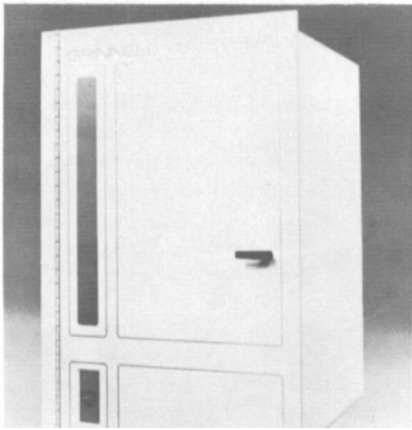
Video output will stay state-of-the art for years to come, because the Videola optics deliver their

image to the pickup tube of a high-quality ENG/EFP camera ... readily exchanged for a future high-resolution model.

Please write or call for full information on the V-500 and V-1000, and for the names of happy Videola users. In the east, contact Laumic Co. Inc., New York.

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

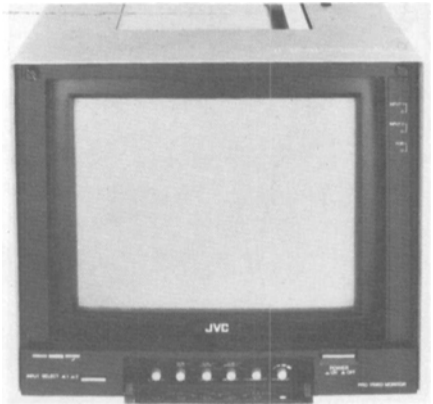




*GMR 27-68 graphics display system*

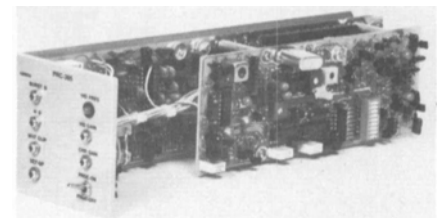
ry, the high-speed vector generator, alphanumerics, and rectangle and image generators. The system also includes complete pan and zoom and a combined 10 × 12 lookup table/video card. A DEC DR11W Unibus interface is available as an option. The GMR 27-68 is priced at \$23,750.

Suitable for computer display and video monitoring, the 9-in. TM-90U color monitor, announced by U.S. JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407, can be used as a video field monitor and as an editing monitor in the studio. It measures 9.9 × 8.9 × 14.2 in. Its compact size and RGB input terminals make it a practical



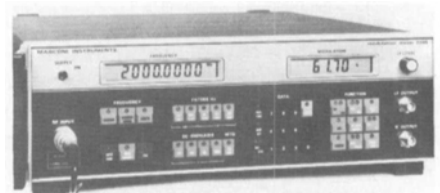
*TM-90U color monitor*

display monitor for most personal and microcomputers. The flat-face screen displays up to 1000 characters at a time, and accommodates 40 columns of characters and 25 lines of type. Each character consists of a 5 × 7 dot matrix. For video input versatility, dual terminals are provided. One accepts BNC connectors while the other accommodates an EIAJ 8-pin connector. Both video output connectors are BNC-type.



*PRC-365 Video Processing amplifier*

The PRC-365 video processing amplifier has been announced by Lenco, Inc., 300 North Maryland St., Jackson, MO 63755. Features include a front panel controlled pedestal with an operating range of ± 20 IRE units, black clip adjustable between 0 to -10 IRE units, front panel controlled soft white clip, vertical interval line select, standard or helical lock, differential video input, and an internal digital sync generator. The PRC-365 has two 75-ohm source-terminated outputs, occupies two module widths, and can be placed in any frame location. The price is \$1875.



*Marconi modulation meter*

The modulation meter, Model 2305, which combines the functions of a conventional modulation meter, RF power meter, frequency counter, and audio analyzer in a single package, has been announced by Marconi Instruments, 100 Stonehurst Court, Northvale, NJ 07647. The wide range of measurement facilities makes the new modulation meter suitable for the de-

## MAGNASYNC NOW AT WEST COAST AUDIO

Through an exclusive agreement, West Coast Audio Engineering is now the technical and distribution center for Magnasync Studio Film Recording Systems. West Coast Audio Engineering, specialists in motion picture sound systems, offer comprehensive consulting, design, installation, sales and technical services.

Inquiries regarding studio film recording systems should be directed to:

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Panorama City, CA 91402  
Telephone: 213/361-8442

**magnasync** **moviola** **magnasync/moviola corporation**  
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JVC's 3/4" -U TapeHandlers introduced new standards of stability, reliability, and value into the world of professional video. With full direct drive...no pulleys, no belts, no idlers...they simplified tape handling and made it better.

Now, JVC brings you three more TapeHandlers with features that make

them even finer values than before: The time code head brings SMPTE PRECISION EDITING within everyone's reach. Head switching is in the vertical interval to eliminate undesirable switching points. The tracking meter and tape counter add convenience. And the balanced audio with XLR connectors insure that your production will sound as professional as it looks.

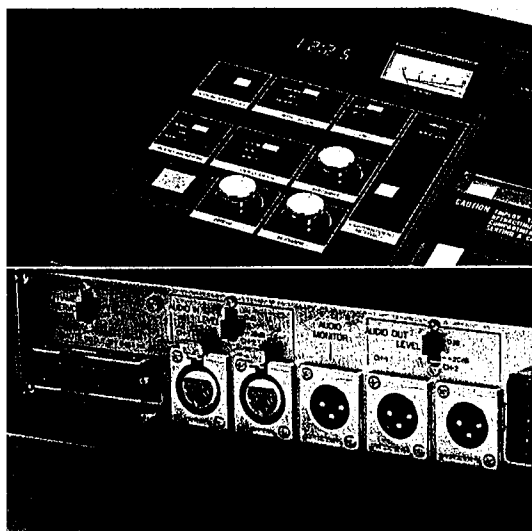
The CR-825OU Recorder/Editor with 15x search speed is designed to make editing easier than ever.

Accompanying the CR-825OU are the CR-665OU full-function recorder with assemble-editing capability, the CP-555OU player with on-air quality, and the VE-90A Editing Controller with

joystick control, keypad entry, fade in/ fade out capability, and optional printer interface for edit display listing. Write:

JVC COMPANY OF AMERICA  
Professional Video Division, Dept. 000  
41 Slater Drive, Elmwood Park, NJ 07407  
JVC CANADA, Scarborough, ONT.

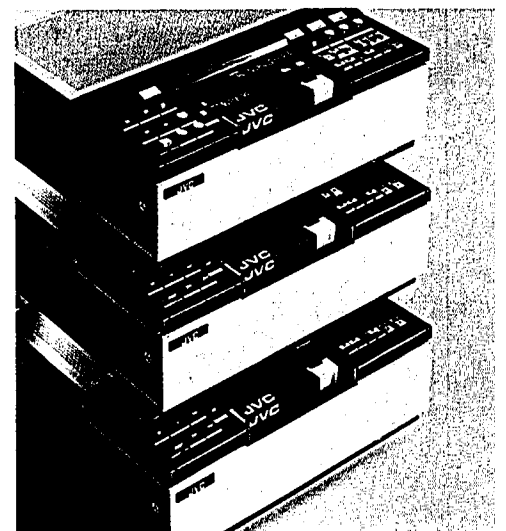
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Professional Video Division

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# 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-

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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.

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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.

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Broadcast

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



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



velopment, production, and maintenance testing of equipment for fixed and mobile communications, broadcasting, telemetry, and multichannel links. It may also be used for calibrating precision signal generators and low-cost modulation meters.

Tuning can be performed automatically to the strongest input signal with a typical acquisition time of 500 msec. The 2305 is capable of measuring FM deviations up to 500 kHz, phase deviations to 500 radians, and AM depths up to 99.8%, with modulating frequencies up to 300 kHz (50 kHz for AM). Ranges are selected automatically by the instrument to give the best possible resolution. The 2305-modulation meter is priced at \$7500.

A **lightweight (6 oz) headset**, designed especially for use by ENG cameramen, has been announced by Television Equipment Associates, Inc., Box 393, South Salem, NY 10590. Called the *Secrette* and described as "the headset that cannot fall off," it features a webbing headband attached to a light cradle around the earpiece. It can interface with all handheld TV cameras. The headset cable is 6 ft long and terminates in a 1/4-in tip/ring/sleeve audio plug and a 3-position belt-mounted microphone switch, allowing the cameraman to put the camera down without removing the headset.



*JVC single-tube camera*

Designed specifically for videographers in industry and education and for cable TV operators with public access obligations, the JVC S-62U single-tube video camera offers horizontal resolution of 280 lines and a signal-to-noise ratio that exceeds 48 dB. Other features include a 6.1 zoom lens, a white balance circuit, and iris and gain control switches. The camera is a product of U.S. JVC Corp., 41 Slater Dr., Elmwood Park, NJ 07407. The price is under \$1500.

A **new film cleaner**, the full immersion rotary buffer film cleaner, has been announced by Peterson Enterprises, Inc., 1840 Pickwick Ave., Glenview, IL 60025. The cleaning action takes place in the solvent, where the film passes between two sets of adjustable rotating lintless Dacron

buffers creating an "aquaplaning" action on the film. A sprocketless film transport gives the cleaner the capability of transporting either 16-mm or 35-mm film formats. A servo-motor takeup design allows smooth and even takeup through any portion of the 3000-ft film capacity. Three adjustable speed settings are available. A high-velocity fluid rinse and warmed-air, high-velocity knives provide smooth drying across the film at all speeds. The cleaner is available with or without a solvent reclamation system.



*Peterson Enterprises film cleaner*

## NORTON DATAKODE® HEADS

Norton Associates announces the design of a new series of magnetic heads compatible with Kodak's revolutionary Datakode® Magnetic Control Surface System.

- Norton Datakode® for editing tables
- Norton Datakode® for studio dubbers
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A complete family of over fifty head and amplifier designs has been developed for 70, 65, 35 and 16 mm negative or positive films.

All combinations of these heads and amplifiers are available for digital or analog recording techniques. Utilization of the patented CF amplifier (flux sensitive) is recommended since it produces a significant improvement in the system signal to noise ratio unmatched by any other system.

This series of heads will set today's domestic standard and tomorrow's international standard.

Contact us today for additional information, specifications and pricing policy.

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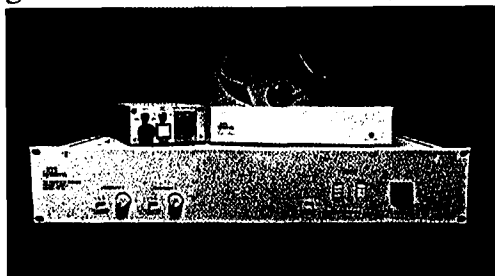
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A selection of 30 components make up virtually any custom configuration. It's everything you need and want in a system, but never thought you could get.

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Translator Interfaces — send your editor the time code signals it wants to see — with no hardware or software modifications.

VITC Readers — read from still-frame to 45X play speed — longitudinal code not needed.

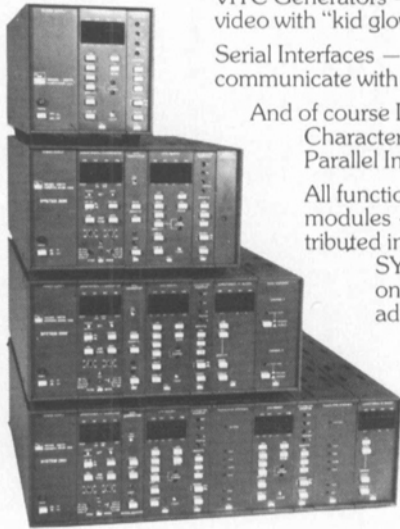
VITC Generators — handle your broadcast quality video with "kid gloves".

Serial Interfaces — RS-232 and SMPTE RS-422 — communicate with your studio computer.

And of course Longitudinal Generators and Readers, Character Inserters, Code Restorers and Parallel Interfaces.

All functions contained in separate physical modules — each a part of our data-bus, distributed intelligence, micro-processor-based SYSTEM 2600 — so you can buy only the modules you want today, and add additional modules at any time.

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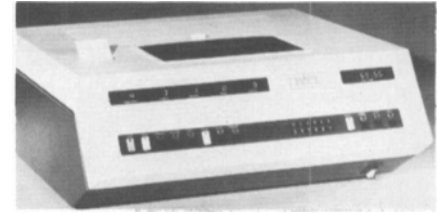
### ADAMS•SMITH

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The VT3100 professional videotape evaluator/cleaner has been announced by Research Technology International, 4700 Chase Ave., Lincolnwood, IL 60646. The machine runs at 25 times standard speed. It uses opto-electronic sensors to detect and count physical tape defects. Since each type of defect is different, the machine



*RTI videotape evaluator/cleaner*

provides separate sensitivity adjustments for each one. Cleaning is accomplished by sapphire burnishing to smooth out oxide roughness and by the cleaning action of continually fresh, soft cleaning tissues that carry away the debris.



*Marathon 10 battery pack*

The Marathon 10, a 3.5 lb NiCad power pack, has been announced by Enerlite Products Corp., 550 Stephenson Hwy., Troy, MI 48084. The power pack is capable of delivering some 1000 to 1500 charge/discharge cycles and a 4- to 8-hour VCR range, depending on equipment used and condition of the battery. A fully automated robotic-like resistance spot welding process is used in the power pack's manufacture to assure maximum contact between battery cells. The Marathon 10 is priced at \$169.95.

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# Our monitors are worth looking into

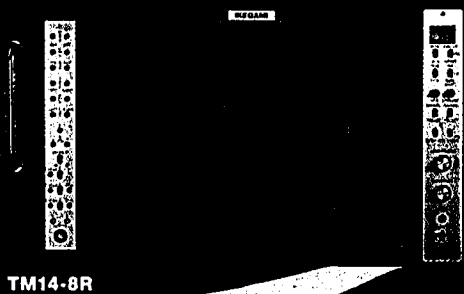
## Ikegami 8-Series Standard and High Resolution Color Monitors

Once you look into an Ikegami monitor, chances are you may never look into buying a monitor from anyone else. And it's no wonder, since every Ikegami monitor is designed by the same demanding engineers who have succeeded in making Ikegami cameras synonymous with performance and reliability.

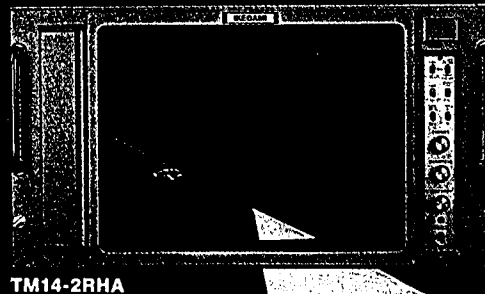
Look around. If you think you're seeing more Ikegami monitors at NAB, network and independent stations, professional studios, remote vans and corporate facilities in general, it's because you are.

Fact is, when you look into the Ikegami 8-Series standard and high resolution color monitors, you'll see more than 13V and 19V monitors (23V standard resolution monitor available). You'll see a host of standard features, from American Standard Matched Phosphors (not available on 23V) to a Shadow Mask Dot Matrix CRT to an Active Convergence Circuit to Delta Gun tubes and more. And you'll see a product name that says exceptional quality—every time.

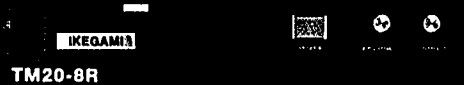
That's something worth looking into.



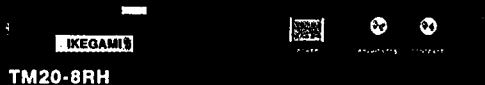
TM14-8R



TM14-2RHA



TM20-8R



TM20-8RH

# Ikegami

## Delta Gun Standard and High Resolution Monitors

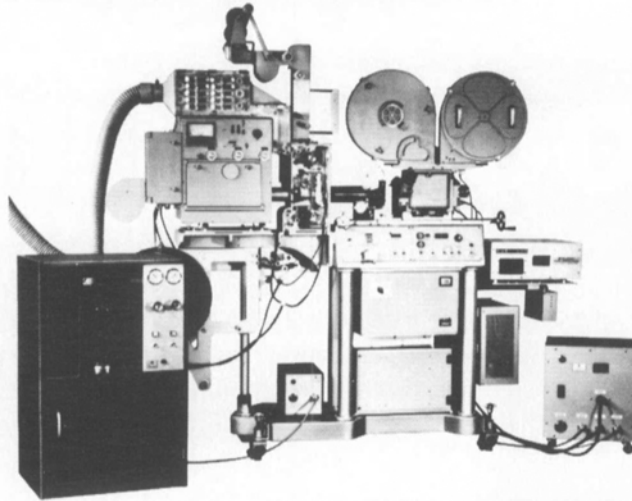
*Ikegami is the supplier of Color Monitors to ABC for its coverage of the 1984 Winter and Summer Games.*

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## Reliable and High Quality Printers!

**(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



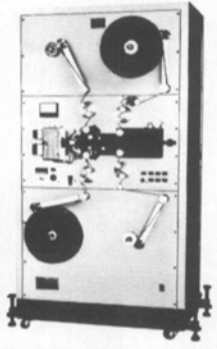
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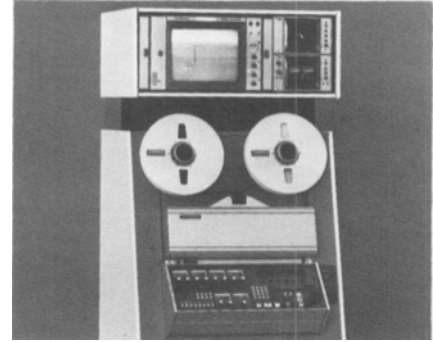
PRODUCTS: Various equipments for film shooting, animation, sound recording, printing, processing, editing etc.

### SEIKI COMPANY, LTD.

No. 18-7, Hasunuma-cho, Itabashi-ku, Tokyo 174, Japan  
Phone: 965-4101 Cable Address: "SEIKISEI TOKYO"  
Telex: J32506 SEIKISEI



Frezzi-Lite Model FL-650, a portable 650-W camera light, has been announced by Frezzolini Electronics Inc., 7 Valley St., Hawthorne, NJ 07506. The light is ac-line-powered and weighs 1 lb.



*Ampex VPR-3 videotape recorder.*

The Ampex VPR-3 1-in Type C helical scan videotape recorder and its companion TBC-3 digital time base corrector has been announced by Ampex Corp., 401 Broadway, Redwood City, CA 94063. The VPR-3 is designed mainly for teleproduction facilities, television broadcasters, cable distributors, satellite production companies, etc. Features include fast and precise tape handling, sophisticated audio features, and advanced human interface control technology. A noteworthy feature of the VPR-3 is that it uses a vacuum capstan transport allowing a pinch-rollerless design, thus providing tape handling control similar to the most advanced computer tape drives. Advanced gas-film guiding technology allows the optimum in tape handling during all modes of operation. The air-film guides reduce friction. These two features result in gentle and fast tape handling on any combination of "spot" to three-hour reels.

The VPR-3 has multitrack audio performance. Three independent channels are standard with the EBU fourth channel optionally available. It also features automatic computer setup of all audio record parameters.

For fast tape edits without picture shifts, the VPR-3 has an "SCH phase" meter and shift control. The built-in SCH phase meter can provide the editor, via green and red zones, with an immediate status report on potential SCH phasing problems. Other improvements in editing have been designed into the VPR-3 including the ability to recue and replay a 30-sec segment in just 2.5 sec.

The Ampex TBC-3, designed exclusively for the VPR-3, enhances the VTR by time base correcting the off-tape video signal. Using its 20 horizontal lines of digital picture memory, the TBC-3 produces full color, broadcast-stable, disturbance-free pictures over the range of VPR-3 slow-motion playback. In addition, the TBC-3's picture in shuttle feature provides viewable pictures at tape shuttle speeds up to 500 in/sec in both forward and reverse.

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# Now there's even more to look into



TM14-9RH

Ikegami

## Ikegami's new Broadcast Color Monitors

Ikegami has just made it impossible for any quality-minded high resolution color monitor user not to consider looking into an Ikegami monitor.

They call it the 9-Series, two new monitors (13V and 19V) with standard features that include a High Resolution Shadow Mask CRT with a Self-Converging In-Line Gun; American Standard Matched Phosphors; a Comb Filter to preserve luminance resolution; pulse cross and R-Y/B-Y outputs. We think you'll call it just what you've been looking for.

Along with its streamlined design and easily serviced modules, Ikegami's new monitors follow in a tradition of excellence. Each offers high stability, exceptional performance and proven reliability. Together with Ikegami's Delta-Gun Series, the 9-Series provides yet another reason to look into the monitors that more and more video users are spending their time looking into.

Isn't it time you looked into Ikegami monitors?



TM20-9RH

# Ikegami

9-Series monitors

*Ikegami is the supplier of Color Monitors to ABC for its coverage of the 1984 Winter and Summer Games.*

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# THE ONLY 1-INCH THAT WON'T UNPREPARED

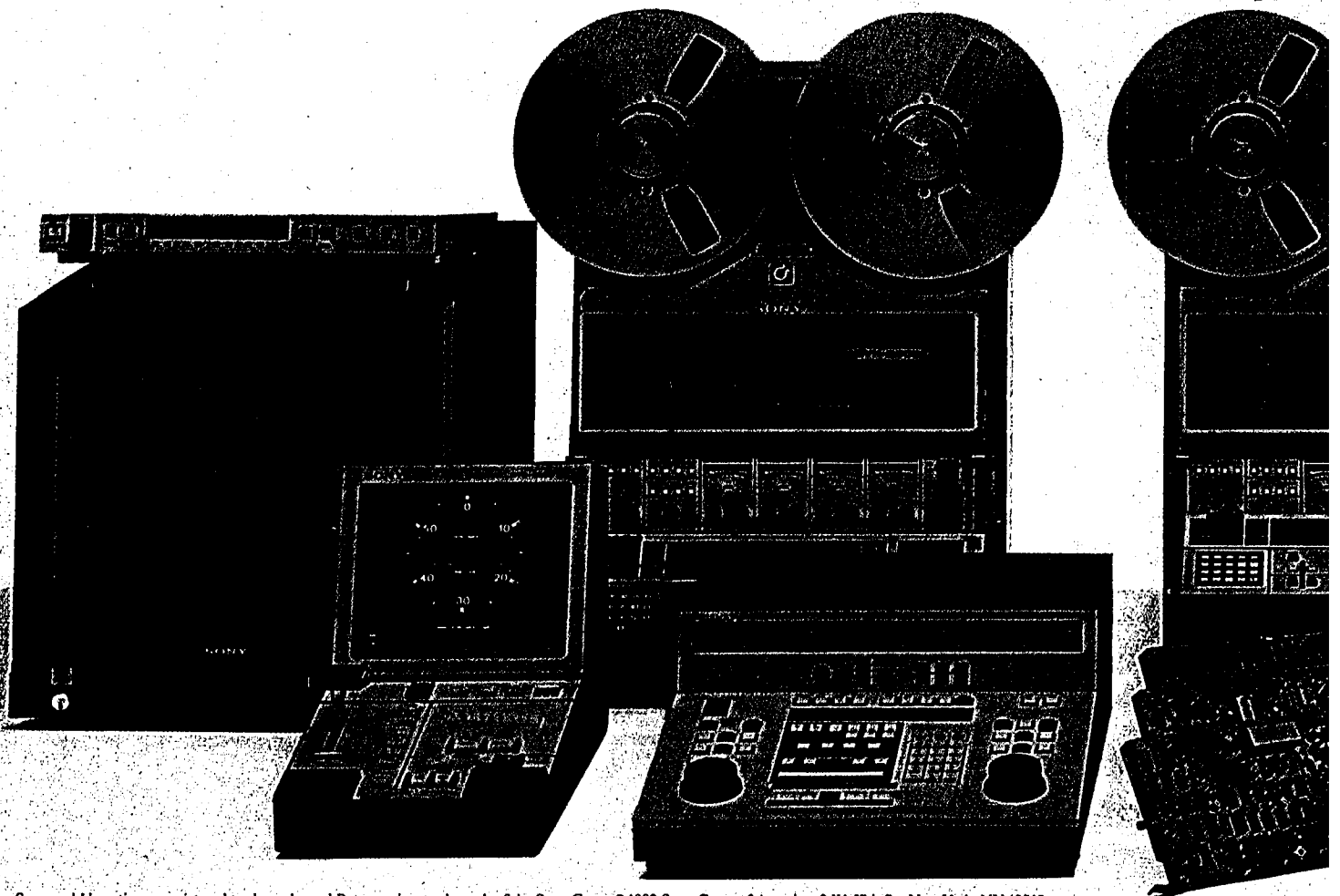
Sometimes success can be a mixed blessing. Because as your business grows, it usually outgrows your equipment. Which could leave you with the extremely costly prospect of having to replace your entire system.

Fortunately, there's an alternative: the Sony BVH-2000—the only 1-inch video system that can be tailored to fit your present applications and

budget, then retailed as your needs change.

For example, any of three different recorder control panels can be incorporated, ranging from a basic model to one with virtually every feature and function currently available to 1-inch video users.

Various remote-control connectors allow you to alter the system's configuration as the need arises, and various circuits and modules—including an op-



# VIDEO SYSTEM LEAVE YOU FOR SUCCESS.

tional time base corrector—plug directly into the BVH-2000 recorder.

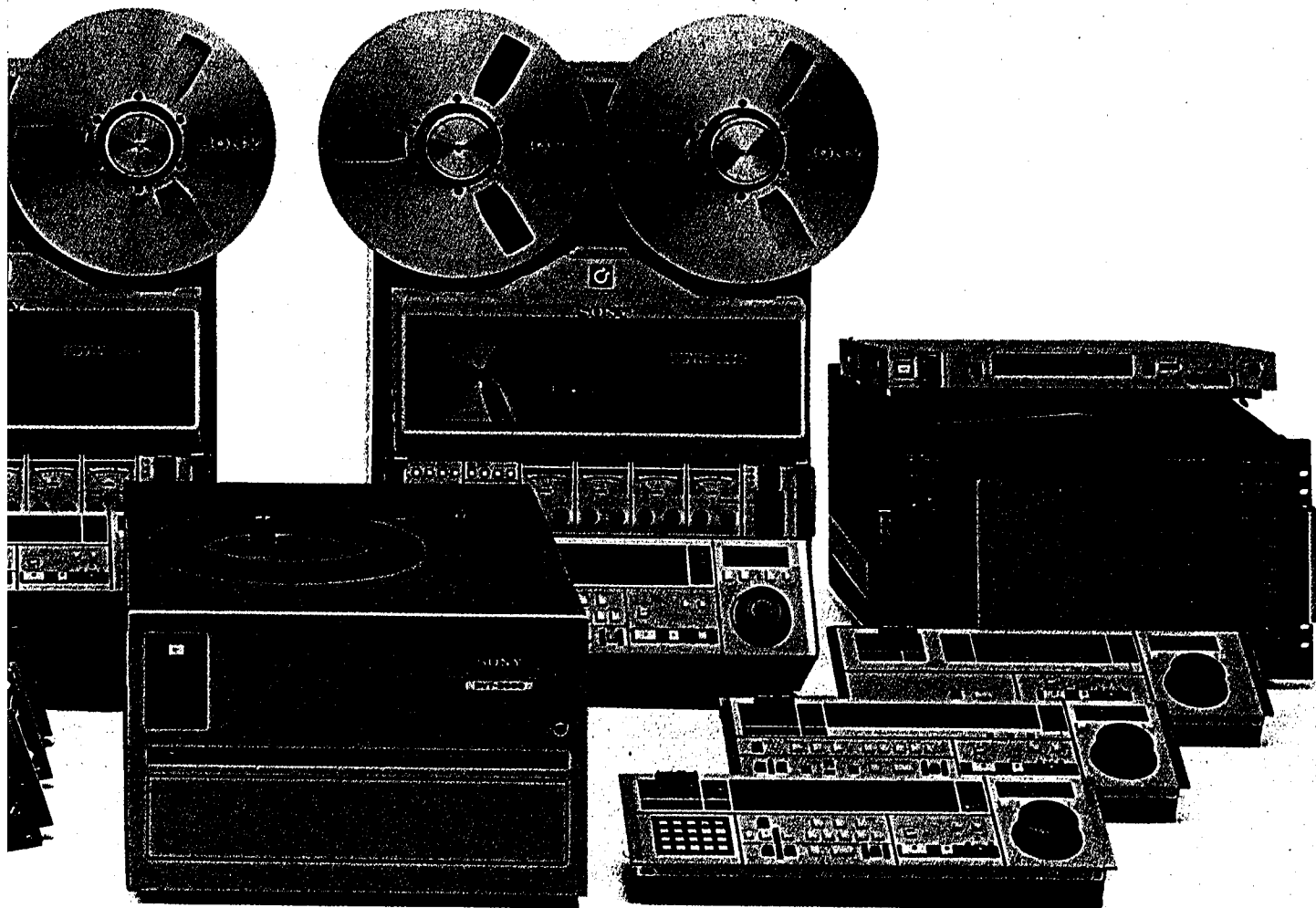
What's more, you can interface directly with other Sony formats, such as U-matic® and Betacam,™ and the BVH-2000 can be easily integrated into any existing Sony 1-inch system.

All of which enables the BVH-2000 to simplify one of the most complicated processes in the broad-

cast industry: the transition to success.

To find out how the BVH-2000 can help you deal with both your present and future needs, 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

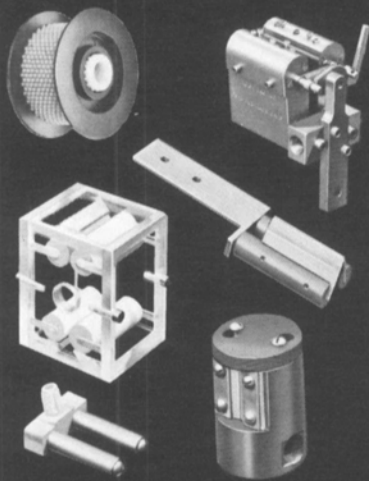


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The VPR-3 and the TBC-3 system are available in three configurations — console, rack mount, and table top. The system has been designed to handle all tape reel sizes with equal precision from three-hour, 14-in. reels down to one-minute spot reels without adjustment.

The VPR-3 is priced at less than \$60,000 for a basic system.



*Steadicam Universal Model III, Cinema Products Corp.*

The new Steadicam Universal Model III has been announced by Cinema Products Corp., 2037 Granville Avenue, Los Angeles, CA 90025. The new Steadicam is reported to be streamlined, lighter in weight, more compact, more versatile, and more maneuverable than the first Steadicam, which, about five years ago, won an Oscar for Cinema Products and inventor Garrett Brown.

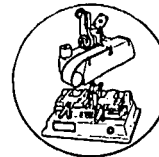
The Steadicam Universal Model III integral monitor is now fully adjustable up and down the main support post; it also revolves 180° around the post and pivots upward and downward for any viewing angle. It can be flipped upside-down in just one minute, allowing the Steadicam to be quickly converted to a "low mode" operation. The sled-like portion of the system has been redesigned so that the new battery housing can pivot vertically, keeping it out of the operator's way. The film or video camera is now free to rotate 180° on its platform, allowing the operator to find the most advantageous position for specific sequences.

The new electronic level is superimposed on the CRT in the bottom of the picture area, and the new electronic frameline generator accommodates any aspect ratio. The monitor screen is larger and more visible from any viewing angle than it was previously.

Compensating angle scales on all system components permit documentation of adjustments made for various cameras and for various modes of shooting so that Steadicam setups for specific shots can be precisely repeated. The new Steadicam is pre-wired internally to interface with the

## PREVIEW

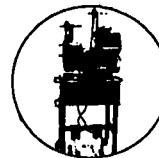
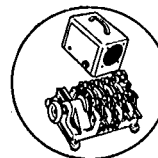
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# Outstanding Outdoors

Camera location 3 behind home plate is no place to tear down a camera. Especially if the director wants to punch it up on air to catch the next pitch. That's just one reason why the rock-steady, works-every-time HK-357A is an outstanding choice for production in the field.

Beyond its reputation for legendary Ikegami reliability, the HK-357A has a lot more to recommend it as the ideal field camera. For example, its crisp, high resolution picture, signal-to-noise ratio of better than 53 dB, and superb colorimetry.

What's more the camera really shows off when it's time to set up. Use of the optional microproces-

sor control brings into play Ikegami's Emmy award winning (1980-1981) digital techniques for automatic setup. Simply press one button and the computer automatically refreshes all set up and registration adjustments in about 45 seconds. No chip charts blowing in the wind, no tweaking. Just unpack, plug-in, auto-setup, and shoot.

Hook up is a simple matter too. Choose the triax option and you can position the camera as far as a mile from the van with absolutely no compromise in picture quality as compared to multicore. And for versatility, our triax camera interfaces with TV-81 multicore at the flip of a switch.

Field test an HK-357A to see why Ikegami is the choice of so many networks, major market stations, and independent producers.



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## Ikegami HK357A

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