

**STANTRON** Unit of Zero Corporation

# VIDEO CENTER

MODULAR DESK CONSOLES • VTR/VCR RACKS  
CABINET CONSOLES • DUBBING RACKS • **ALL NEW**

for VIDEO PRODUCTION • POST-PRODUCTION • EDITING • ENG • EFP •

The STANTRON VIDEO CENTER series modular "add-on" features allow for maximum flexibility in designing console arrangements for professional, educational, industrial and communication VIDEO CENTERS. For a FREE copy of the "ALL-NEW" STANTRON VIDEO CENTER CATALOG #200, please write or call **STANTRON**

mailing address:  
P.O. Box 9158VC  
No. Hollywood, CA 91609 U.S.A.

Toll Free: 1-800-821-0019  
No. Calif. Toll Free: 1-800-821-0020  
So. Calif. please call: 1-213-875-0800  
TWX: 910-499-2177

factory:  
6900-6918 Beck Ave., No. Hollywood, CA 91605



**ALL NEW**

**STANTRON**  
Unit of Zero Corporation

# VIDEO CENTER

CABINET CONSOLES • VTR/VCR RACKS  
MODULAR DESK CONSOLES • DUBBING RACKS •

for • VIDEO PRODUCTION • POST-PRODUCTION • EDITING • ENG • EFP

"ALL-NEW" STANTRON VIDEO CENTER, designed to complement YOUR VIDEO EQUIPMENT. Modular "add-on" features allow maximum flexibility and versatility in creating console arrangements. Write or call for FREE STANTRON VIDEO CENTER CATALOG #200.

mailing address: P.O. Box 9158VC  
No. Hollywood, CA 91609 U.S.A.

Toll Free: 1-800-821-0019  
No. Calif. Toll Free: 1-800-821-0020  
So. Calif. please call 1-213-875-0800  
TWX: 910-499-2177

**STANTRON**  
Unit of Zero Corporation

factory: 6900-6918 Beck Ave., No. Hollywood, CA 91605



## 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 manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



RCA TH-700 VTR

The Type-C TH-700 videotape recorder has been announced by RCA, Broadcast Systems Div., P.O. Box 900, Bldg. 4-C1, Gibbsboro, NJ 08026. The new VTR is manufactured by Ampex and marketed by RCA. The microprocessor-based unit is said to be easy to operate and maintain, and includes advanced self-diagnostic facilities. Features include automatic scan tracking and video and audio playback heads that permit viewing the picture and monitoring audio during recording. An edit-optimize mode automatically rephases the scanner to match the phase of incoming video. Optional accessories include the TBC-700 time-base corrector, time-code generator/reader and character display, sync channel, and system interface facilities, including parallel remote and RS-422-compatible connectors.

The WV-890 color video camera has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. The camera uses  $\frac{2}{3}$ -in. Plumbicons. Other features include an 8-bit digital memory, and an  $f/1.4$  prism optics system. The WV-890 employs a low-noise preamp with SNR of 59 dB and one-touch gain switch, allowing the selection of either +9 or +18 dB. It can produce pictures in lighting as low as 4 fc. Other features include built-in automatic circuits for easy operation and better picture quality.

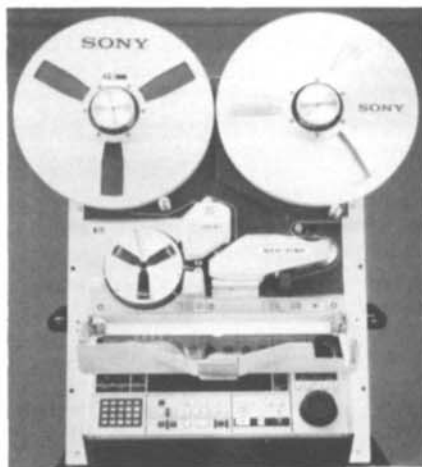
Panasonic also announced an upgraded

version of the WV-555 color video camera called the Nite Hawk. The Nite Hawk uses 1/2-in. Newvicon tubes, and can operate at a low light level of 20 lux with +8 dB of gain.



*Nisus N-79E video camera*

The N-79E video camera has been introduced by Nisus Video, Inc., 6329 Lomas Blvd., N.E., Albuquerque, NM 87110. The main feature of the camera is the Nisus shutter technology that results in outstanding clarity in real time and no-motion playback. The shutter is continuously adjustable from 1/250 to 1/500 sec and the shutter speed can be changed at any time without stopping the camera.

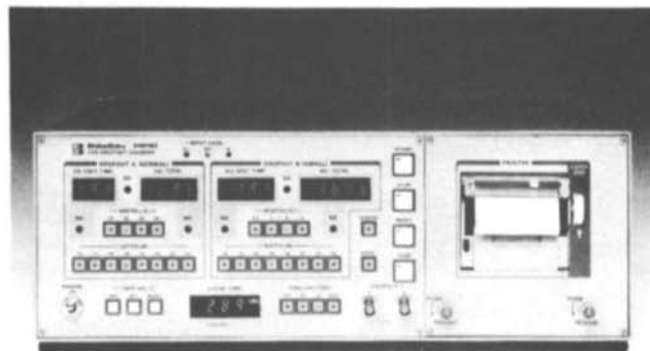


*Sony BVH-2180 videotape recorder/player*

The BVH-2180 1-in. Type-C videotape recorder/player has been announced by Sony Broadcast Products Co., Sony Dr., Park Ridge, NJ 07656. The BVH-2180 has a record and playback duration of 3 hr. The video SNR is 48 dB, the audio SNR is 56 dB. The modified design features refined diagnostics, microprocessor controls, and servo systems. It can accommodate 14-in. reels.

The WV-3245/8AF color video camera has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094, as an addition to its ProLine series of video cameras. The new camera incorporates a color electronic viewfinder that permits the operator to confirm color accuracy. The cameras in the ProLine series use 5-MHz 2/3-in. Newvicon tubes,

# THE TRUE MEASURE OF PERFORMANCE



## ASACA/SHIBASOKU VH01BZ VTR Dropout Counter

The VH01BZ VTR Dropout Counter has been designed to provide extremely high precision detection of video tape dropouts. By utilizing the RF signal from a video tape recorder, dropouts greater than the range selected are detected, accumulated, and recorded on a tape from a built in printer as well as read from a digital read out on the display panel.

This instrument is highly recommended for manufacturers of Video tape, Video tape recorders, as well as video production centers and television stations.

- Selectable dropout range of -10dB / -24 dB with two dB increments.
- Two selectable measuring modes: Normal time widths which measure 10-50 micro seconds and small time widths which measure 0.5-5 micro seconds.
- Built in printer to effectively store data.
- Dropout detection level, time width, and measuring time functions may be set remotely.
- Using the optional GP-IB interface bus, the VH01BZ may be fully automated.

ASACA/SHIBASOKU  
VH01BZ VTR DROPOUT COUNTER

Measure your performance with the best.  
**ASACA/SHIBASOKU VH01BZ.** The world standard for accuracy.

*For complete specifications, write:*

**ASACA**

ASACA/SHIBASOKU CORP. OF AMERICA  
12509 Beatrice Street, Los Angeles, California 90066  
Sales, Service: (800) 423-6347 • (213) 827-7144



Panasonic WV-3245/8AF video camera

and can produce 7-color multiple title displays. As little as 0.7 fc illumination is sufficient for video recording.

**The Imerect low-angle prism**, has been announced by Alan Gordon Enterprises Inc., 1430 Cahuenga Blvd., Hollywood, CA 90078. Designed to allow positioning of a film or video camera for ground level or tabletop point-of-view filming or recording, the Imerects can be used with 16 and 35mm motion-picture cameras and with most ENG/EFP video cameras. The prisms are made of high-index refractive glass to provide maximum light transmission. All glass surfaces are coated with



Alan Gordon Imerect low-angle prism

hard magnesium fluoride, eliminating color fringing, distortion, and loss of resolution. The image reflected through the low-angle prism is not reversed and is correct from left to right.

**The Video Peak Store**, Model 493, an instrument that makes it possible to make time exposures with a standard video camera, has been developed by Colorado Video, Box 928, Boulder, CO 80306. The device can freeze a frame of video



Time exposure made with Video Peak Store from Colorado Video

information and then add new information to the memory contents, if the new data is of higher amplitude than that already recorded. The process takes place in real time, and the video output signal is continuously recorded. Applications include electro-optical scan conversion by means of focusing a TV camera at a CRT, transient recording of such phenomena as daylight lightning strokes, and the tracking of a light target against a dark background, or vice versa.

**The UVF video analyzer**, an instrument designed to permit automatic insertion test signal measurements in video engineering, has been announced by Rohde & Schwarz Sales Co., 13 Nevada Dr., Lake Success, NY 11042. The device can be



## EIDOPHOR<sup>®</sup> because big pictures mean big impact.

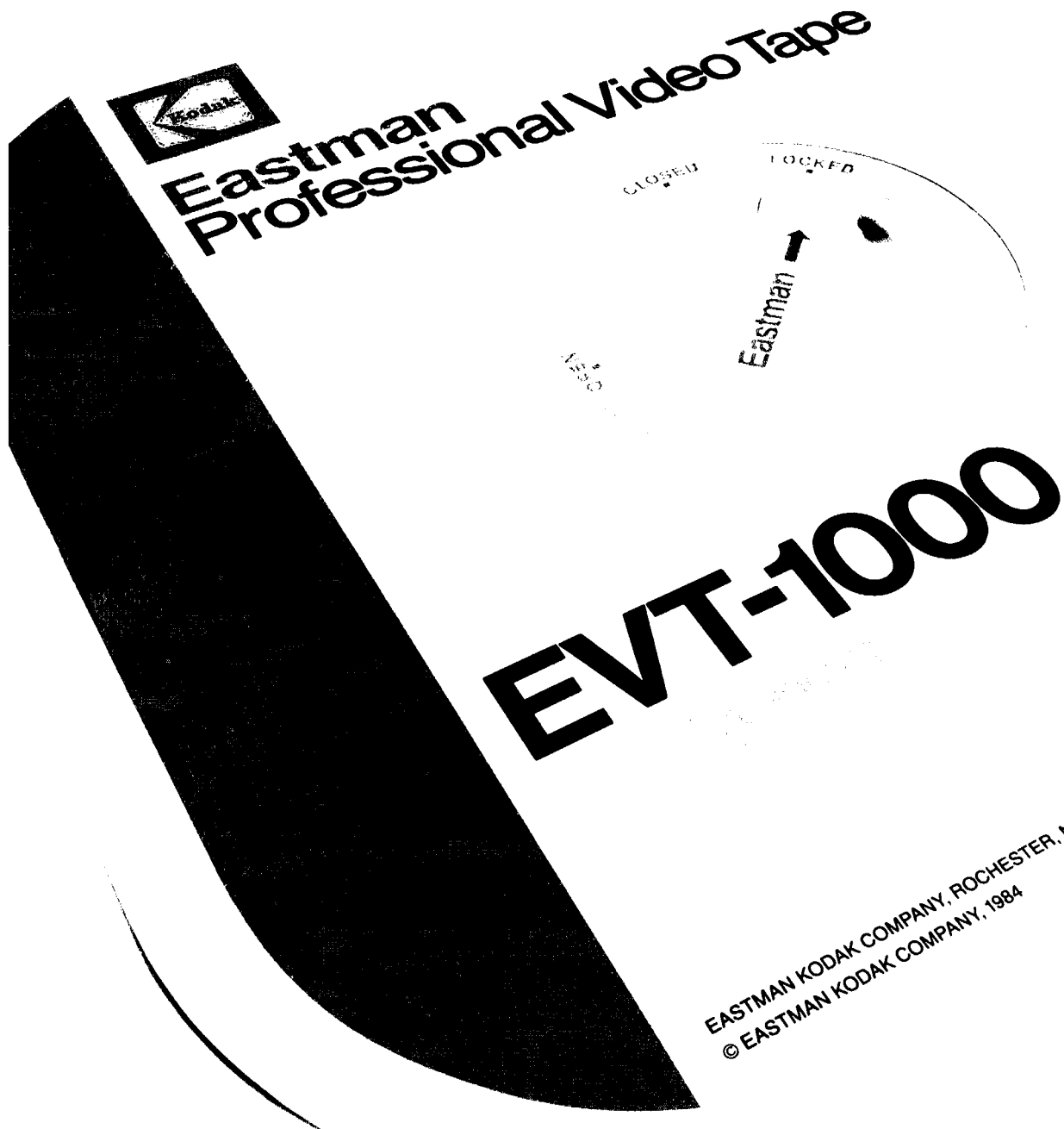
With EIDOPHOR television projection, nobody needs to take a back seat. EIDOPHOR television projectors produce brilliant, true-color, bright

pictures going up to as large as 12 x 16 meters or 40 by 50 ft. EIDOPHOR — gives everyone in the stadium a frontrow, close-up view of the action.

**EIDOPHOR**

EIDOPHOR Limited, Althardstrasse 70, CH-8105 Regensdorf/Switzerland, Phone 01/842 11 11, Telex 56 666

3.84



PD 80'

EASTMAN KODAK COMPANY, ROCHESTER, N.Y. 14650  
 © EASTMAN KODAK COMPANY, 1984  
 T.M.: EASTMAN

## THE NEW NAME IN VIDEO WORKS WONDERS FOR YOUR IMAGE.

The brand of video tape you choose must be so reliable that you can stake your reputation on it. Audition the new one-inch EASTMAN Professional Video Tape. Its quality matches the highest currently available in the marketplace.

At the NAB convention we demonstrated tenth-

generation dubs virtually indistinguishable from the master. With minimal dropouts. And the same high batch-to-batch uniformity we deliver in our photographic films. Ask your dealer or Kodak sales and engineering representative about the complete line of EASTMAN Professional Video Tape.

Eastman Kodak Company, Motion Picture and Audiovisual Markets Division  
 Atlanta: 404/351-6510 • Chicago: 312/654-5300 • Dallas: 214/351-3221 • Honolulu: 808/833-1661  
 Hollywood: 213/464-6131 • New York: 212/930-7500 • Rochester: 716/254-1300 • San Francisco: 415/989-8434  
 Washington, D.C.: 703/558-9220 • Montreal: 514/761-3481 • Toronto: 416/766-8233 • Vancouver: 604/926-7411.



***YOUR WORLD IS CHAR  
STATIC ELECTRICITY...  
CAUSING A SHOCKING  
OF DROPOUTS.***

# GED WITH NUMBER

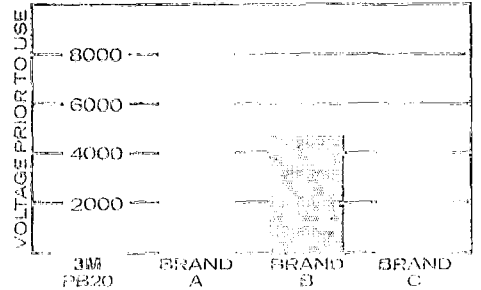
Your once-in-a-lifetime shots...destroyed by transient dropouts—caused by a fiber, a smoke particle, or even an eyelash that's been drawn into your videocassette by its inherent static charge. It's been an inevitable problem...until now.

We know you need a videocassette that can go anywhere and not pick up static-drawn souvenirs that will destroy your picture. So we developed the exclusive Scotch® Anti-Stat Treatment, a revolutionary cassette coating that minimizes static attraction, giving our new Broadcast Videocassettes the industry's lowest electrostatic charge levels. Auto-

matically reducing your transient dropouts. Dramatically improving your picture. And we've applied this unique technology to the lengths and formats you need. All

distinguished by our red doors and hubs for easy Anti-Stat identification. All backed by our engineers a call away. All the more reason we're number one in the world of the pro.

ELECTROSTATIC CHARGE (BETA)



## OUR TAPE ANTI-STAT...ANTI-DROPOUT.



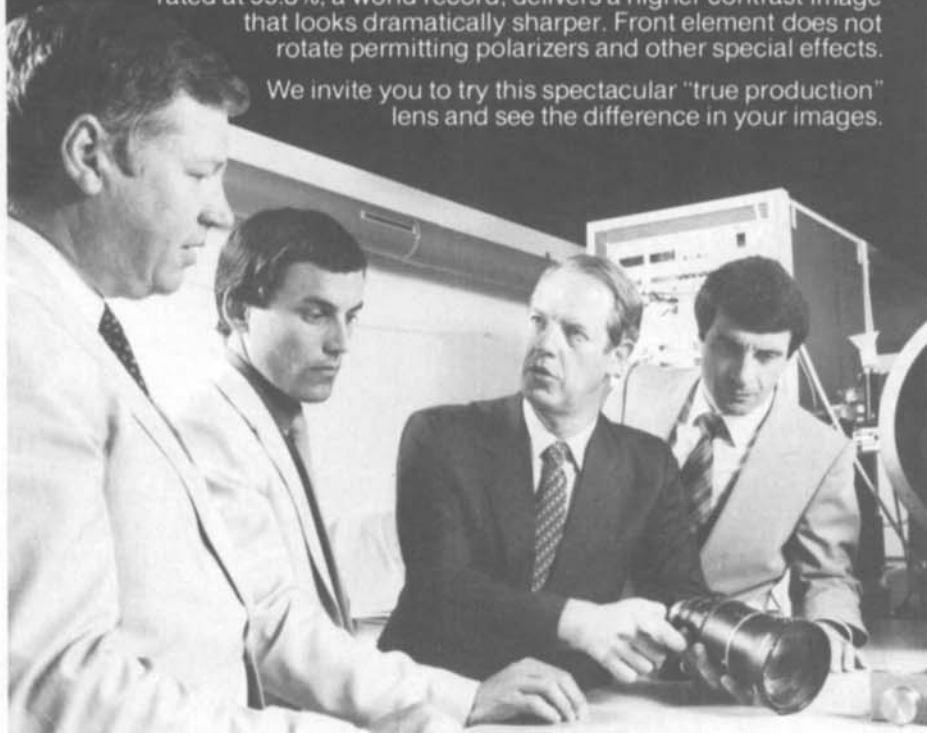
**Scotch®**  
AUDIO & VIDEO TAPES

**3M**

# It took three years to optically design, engineer and field test the new Angenieux 12x10 T2. It's ready for you now. The results are spectacular.

The ultra-high optical performance of the new Angenieux 16mm 12x10 (12x120) T2 lens is the sharpest you have ever seen. Equal to or better than the finest fixed focal lens. The fast T2 aperture is constant throughout the zoom range. Diffraction limited—zero aberrations when stopped down to T4. Our exclusive High Efficiency Coating, rated at 99.8%, a world record, delivers a higher contrast image that looks dramatically sharper. Front element does not rotate permitting polarizers and other special effects.

We invite you to try this spectacular "true production" lens and see the difference in your images.



## angénieux

**SALES** • 7700 N. Kendall Dr., Miami, FL 33156 (305) 595-1144  
**SERVICE** • 120 Derry Rd., Hudson, NH 03051 (800) 258-1382  
 • 13381 Beach Ave., Venice, CA 90291 (213) 821-5080  
 • 190 Don Park Rd., Markham, Ontario, Canada L3R-2V8

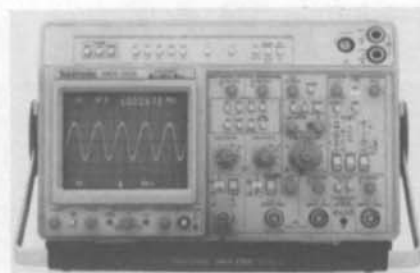
Opticom sa Case postale 91, 1211 Geneva 17, Switzerland Tel (22) 362266 Telex 27670 OPTIC CH

## MOVING?

Please attach the mailing label from the wrapper to this form. Allow 8 weeks for change of address to take effect. In the space below please complete your new address. Mail to: Membership Dept., SMPTE, 862 Scarsdale Ave., Scarsdale, NY 10583.

Member Number	<input type="text"/>				
Name	_____ Title _____				
Company	_____				
Address	_____				
City	State	Postal Code			
Telephone No.	_____				

used for all standard insertion test signal measurements and can measure 16 programmed test line parameters. The compact design and light weight make it easy to transport. The measured value is displayed along an LED bar, the scaling of which is nonlinear.



Tektronix 2465 DVS oscilloscope

The 2465 Special Edition oscilloscope has been announced by Tektronix Inc., P.O. Box 500, Beaverton, OR 97077. The oscilloscope has comprehensive television waveform measurement capability, a counter/timer/trigger, a word recognizer, and an auto-ranging digital multimeter.



Videotek HR-130 color monitor

The HR-130 13-in., high-resolution color broadcast monitor, has been announced by Videotek, Inc., 125 N. York St., Pottstown, PA 19464. The monitor has better than 600 lines of horizontal resolution. Features include a precision in-line gun dot matrix CRT, individual vertical and horizontal delays, switchable time constant, switchable comb and notch filters, and manual or preset controls for chroma, phase, brightness, and contrast.



Orban TV stereo generator

The aural TV stereo generator, Model 8182A/SG, designed to interface with the 8182A Optimod-TV aural processor, has been announced by Orban Associates

# “I can describe Ikegami monitors in one word: beautiful”

— Ed Dooley, Chief Engineer WLWT, Cincinnati, Ohio

Beautiful performance is only one reason why Ikegami's 9 series and 10 series broadcast color monitors and 3H series monochrome monitors continue to capture the attention of more and more video monitor buyers.

It's hardly surprising.

Designed to incorporate the latest advancements in picture technology with precision engineering detail, Ikegami monitors are something to behold.

The features are equally impressive: The 9 series broadcast television monitors utilize In-Line Gun self converging cathode ray tubes with American standard matched phosphors and are available in a 20, 14 and 10 inch model.

The 10 series high resolution broadcast television monitors utilize Delta-Gun tubes to achieve maximum brightness and exceptional convergence and are available in 20 and 14 inch versions.

The 3H series broadcast television monitors feature high quality monochrome displays suitable for sophisticated broadcast studio applications and are available in 14 inch, as well as single and dual 9 inch versions.

Ikegami monitors: Poetry in motion.

For a complete demonstration of Ikegami monitors and cameras, contact us or visit your local Ikegami dealer.

## Ikegami



**Ikegami Electronics (U.S.A.), Inc., 37 Brook Avenue, Maywood, NJ 07607**  
• East Coast: (201) 368-9171 • West Coast: (213) 534-0050 • Southeast: (813) 884-2046  
• Southwest: (214) 233-2844 • Midwest: (312) 834-9774

# athena

## 4500

"The" cost-effective  
film-to-tape transport



- Phase-locks to NTSC, PAL or SECAM
- Constant T-V pull-down time of all frame rates.
- 1-2-4-6-8-12-24 FPS stop and single frame
- Capable of computer or programmable control
- One year warranty
- Modular design

For more information contact:  
L-W INTERNATIONAL  
50 W. Easy St.  
Simi Valley  
California 93065, U.S.A.  
Telephone: (805) 522-3284

**New**  
**Frezzi™**  
"one source" for all  
your portable power  
& lighting needs.

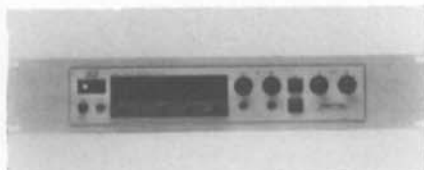


Used by all 3 major networks.  
Ready for instant use in kits. Choice of: high-tech VB-series 12v/4ah battery packs / trickle chargers / Lighthead / 20-100watt Lamps / plugs. Flip-up dichroic filter and other accessories available.

For more information and catalogs  
call (201) 427-1160/1/2.

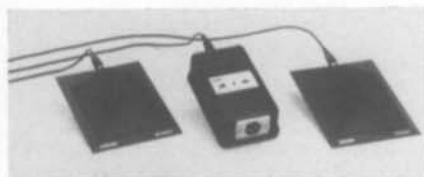
**Frezzolini Electronics Inc.**  
7 Valley St. Hawthorne, N.J. 07506-2084  
TWX: 710-988-4142 Made in U.S.A.

Inc., 645 Bryant St., San Francisco, CA 94107. The stereo generator contains both L/R and L+R/L-R 15-kHz low-pass filters that are computer-optimized to assure maximum stability over time and temperature. Features include a built-in monitoring facility that permits closed-loop off-line diagnostic verification of stereo generator and audio processor performance without the use of an external monitor.



JVC VP-101 digital audio processor

The VP-101 digital audio processor, designed for digital recording and playback, has been announced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. The VP-101 can be used with virtually any NTSC videocassette with external sync capability. Applications include audio mastering in video post-production. The processor uses EIAJ pulse code modulation and 14-bit linear quantization. Sampling frequency measures 44.1 kHz and frequency response is virtually flat from 5 Hz to 20 kHz. Design features include a sync output for videocassette synchronization, 2-color fluorescent peak meters (bar type), mode indicators for system status, and line/microphone mixing.



Shure SM90 and SM91 microphones

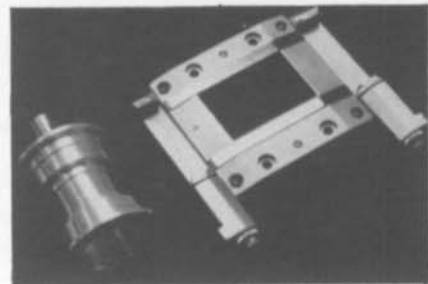
The SM90 omnidirectional surface-mount condenser microphone has been announced by Shure Brothers Inc., 222 Hartrey Ave., Evanston, IL 60204. Designed to complement the SM91 unidirectional surface-mount microphone, the SM90 takes advantage of the acoustic principle of boundary effect. Thus, placing an SM90 microphone sufficiently close to a barrier or boundary, such as a wall, floor, ceiling, or table, will cause it to perform with as much as 6 dB higher sensitivity, and approximately 3 dB greater rejection of random background noise.

The FS-19 frame synchronizer has been announced by NEC America, Inc., 130 Martin Lane, Elk Grove Village, IL 60007. The unit features an extremely flexible design with options for time-base correction, frame freeze, and memory ex-



NEC FS-19 frame synchronizer

pansion for 4-field color processing, available as simple plug-in circuit boards. Features include 4X subcarrier sampling, and 10-bit quantizing to provide a totally transparent output signal.



Cinema Products Steadigate conversion

The Steadigate conversion has been announced by Cinema Products Corp., 2037 Granville Ave., Los Angeles, CA 90025. Designed to provide Rank Cintel transfer machines with a new aperture or skid plate assembly opened to full aperture, thus enhancing image stabilization, the Steadigate eliminates lateral image movement not caused by unsteadiness in the original photographed material. A chrome-plated aperture plate has a pair of adjustable spring-loaded side guides on the entry and exit sides of the gate, and a second pair of fixed guides to securely retain the film. The Steadigate has a flat surface across the film aperture for a flat focusing field that provides sharp focus over the entire field, regardless of raster scan size.

A computerized controller for use with Unitrol dimming equipment, has been announced by Union Connector Co., 149 Babylon Turnpike, Roosevelt, NY 11575. The controller uses a dedicated personal computer to transmit control signals over ac wiring to 2400-W Unitrol dimmers, making it possible to program lighting effects, such as cross-fading, chase sequencing, and multi-scene presetting. Scenes and light levels may be stored on a disk, enabling users to build a library of lighting effects.

The NAC Eyemark recorder, Model V, an eye movement recorder, has been announced by Instrumentation Marketing Corp., 820 S. Mariposa St., Burbank, CA 91506. The recorder is a precision electro-optical instrument using sub-miniature