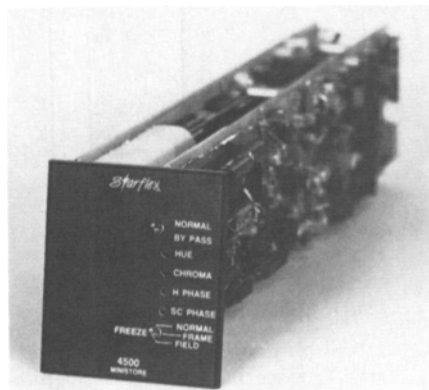


New Products

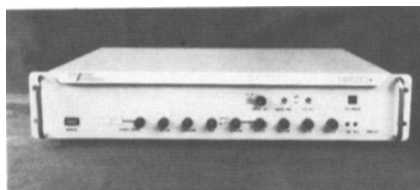
Further information about these items can be obtained from the addresses given. As with technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



Lenco synchronizer

A digital frame synchronizer/time base corrector has been introduced by Lenco, P.O. Box 348, Jackson, MS 63755. The Starflex 4500 will either frame synchronize at full bandwidth or automatically switch for helical sources to provide full-

frame time base correction without deterioration. Output continuity is protected by an auto-bypass feature that hard bypasses input video to the output BNC. The freezes are full bandwidth and the synchronizer has a front-panel freeze switch, front-panel processing controls and bypass switch, and a preview output.



Prime Image time base corrector

A time base corrector, Model HR600+, is available from Prime Image, Inc., 19943 Via Escuela, Saratoga, CA 95070. The HR600+ has more than 600 horizontal lines of resolution. It features user-selectable chroma noise reduction/enhancement and luma noise reduction. The time base corrector is compatible with U-matic, U-matic SP, Betacam, Betacam SP, MII, S-VHS, and Ed Beta. It is also a full-frame synchronizer and can be used to

synchronize noncapstan/non-V-lock VCRs and microwave, satellite, and off-air feeds.



Sony twin CCD camera system

A twin CCD camera system has been introduced by Sony Corp. of America, 9 W. 57th St., New York, NY 10019. The Model PAC-2CCD has more than 520 lines of horizontal resolution and a 52-dB signal-to-noise ratio. It provides separate Y/C signal paths from chip to VCR. The system consists of the EDP-10F 2-CCD camera, CA-10F camera adaptor, CCQ-2BRS VTR cable, and VCT-12 tripod adaptor. The 2/3 chip gives users access to more than 15 commonly available three-chip lenses. The camera can be docked with the Sony EDW-10F ED-Beta videocassette recorder.

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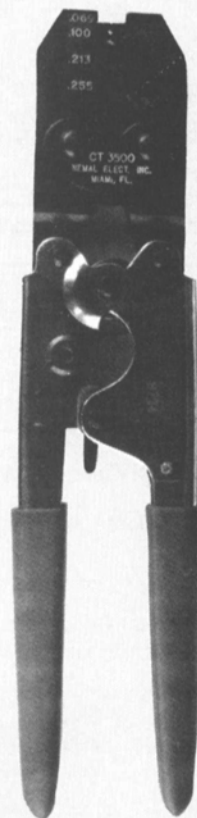
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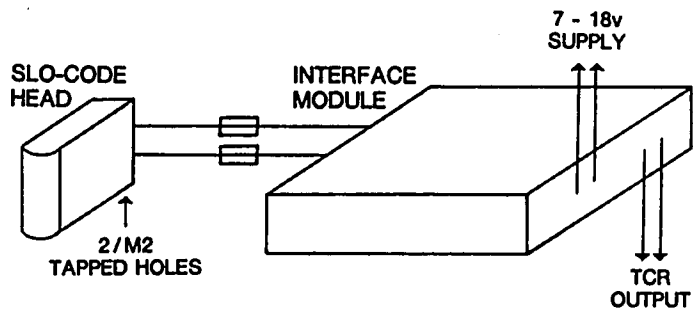
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INTRODUCES

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ZERO IPS**

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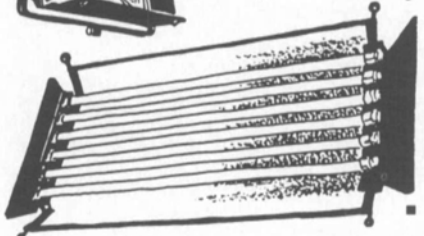
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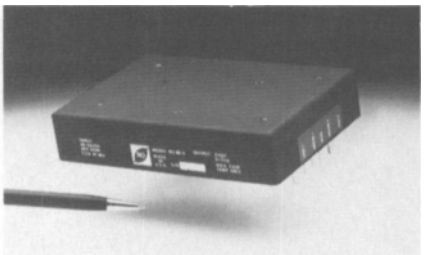
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voltage can be adjusted with a built-in potentiometer. Line and load regulation are 0.05%. Ripple and noise are below 0.5 mV RMS. It can operate at full load up to 70°C. The power supply measures 3.75x2x2.87 in. and weighs 18 oz.



DC/DC converter from Callex

A battery-powered DC/DC converter accepts voltage from 7 to 40 V and converts it to 5 V output at 5 A. The Model 12S5.5000UW is immune to step-function changes in input voltage, and the output of this converter can be trimmed. The converter has on-off toggle capability that is compatible with TTL logic. It recognizes a low signal at 0.4 V and a high one at 1.4 V and allows the unit to be turned on and off by microchip logic signals.



RO Associates DC/DC converter

A PCB-mounted DC/DC converter is now available from RO Associates, Inc., P.O. Box 61419, Sunnyvale, CA 94088. The 125 to 150-W single output RO series converter produces full power at 20°C ambient with no heat sink or fan required. It has N+1 redundancy with current sharing and hot plug-in capability. Logic on/off, short circuit, and over-temperature protection are all standard.

An optical videodisc system, for recording audio and video signals has been introduced by Sony Corp. of America, 9 W. 57th St., New York, NY 10019. The CRVdisc™ write-once system records high-quality component signals. The system consists of the Sony LVR-5000 laser videodisc recorder and LVS-5000 laser videodisc processor. Composite, component, and RGB video inputs and outputs are standard. The CRVdisc provides up to 24 min of recording time — 43,500 frame pictures in NTSC — each side of an optical disc. It plays back a noiseless picture at 1/255 to 3 times normal speed and has an estimated storage life of more than 30 years.



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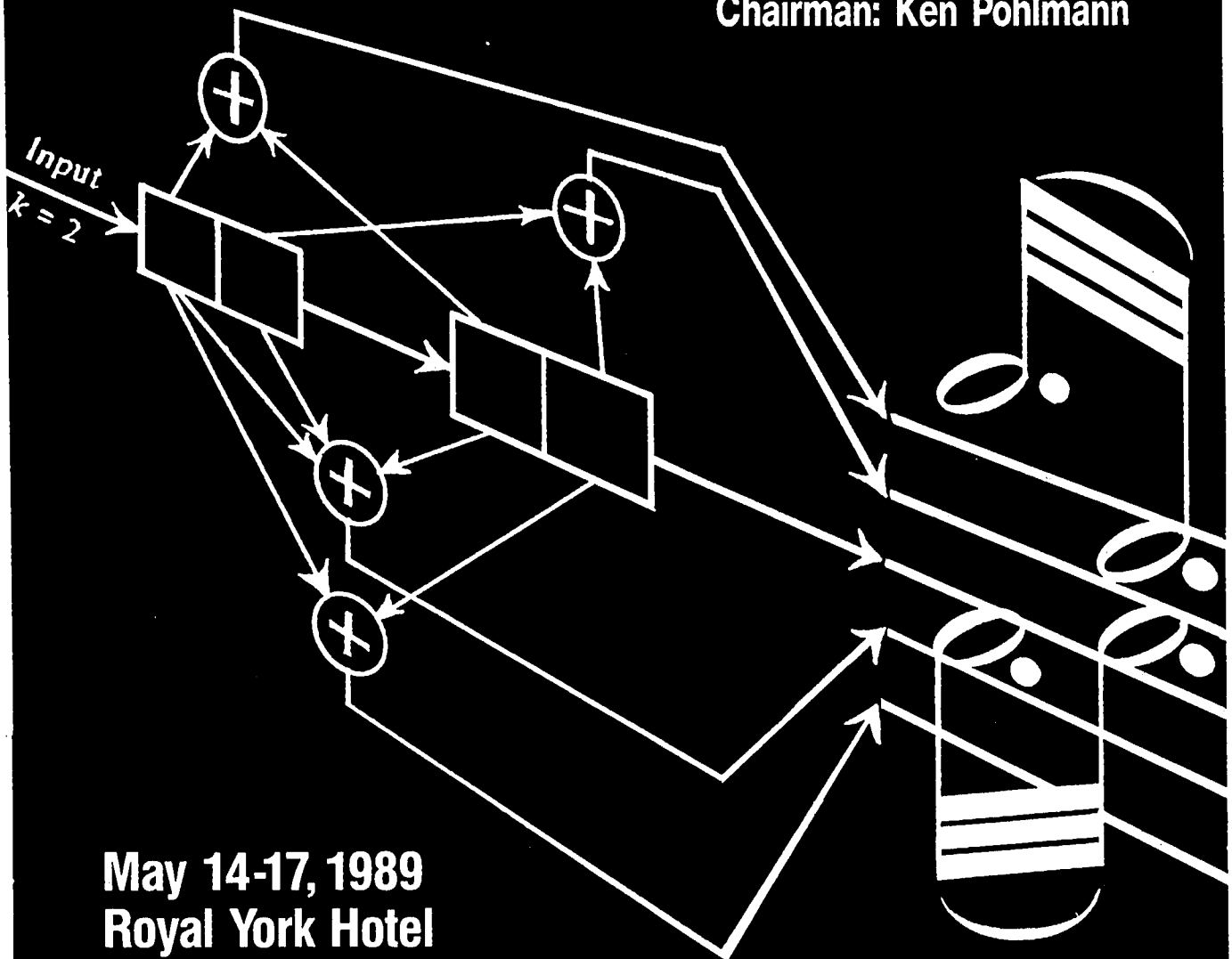
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Sony PVM-5310 monitor system

A line of monitors has been introduced by Sony Corp. of America, 9 W. 57th St., New York, NY 10019. The PVM-5310 system, comprising three 5-in. Trinitron™ color video monitors side by side in a single chassis, is designed for multicamera

monitoring in mobile field production and other operational environments. An automatic beam feedback control in the CRT drive circuit improves color reproduction and stability. Other features include external sync and video input with loop out. Power consumption is 85 W.

Two other video monitors are included in this line. The Model PVM-1340 was developed to reproduce detailed, clear pictures on a consistent basis; the Model PVM-1341 was designed as a monitoring tool. Both monitors have in common the Trinitron system with P-22 color phosphors and Fine Pitch™ tube, which delivers brightness, contrast, and color accuracy. The monitors deliver more than 450 lines

of horizontal resolution via video inputs and more than 640X200 pixels via RGB inputs. The PVM-1341 has a direct digital 9-pin input compatible with IBM CGA.

A graphics video monitor, the Model GVM-2000, is available from Sony. An important feature of the GVM-2000 is its ability to operate over a wide range of horizontal and vertical synchronization frequencies, allowing users to view images from VTRs and graphics from computers on a single screen. Two composite video inputs accommodate 3/4-in., 1/2-in., ED-Beta™, and Super-VHS formats. The monitor also accepts input from video tuners and videodisc players. It displays a video image of 560 television lines.

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Shure Beta 57 microphone

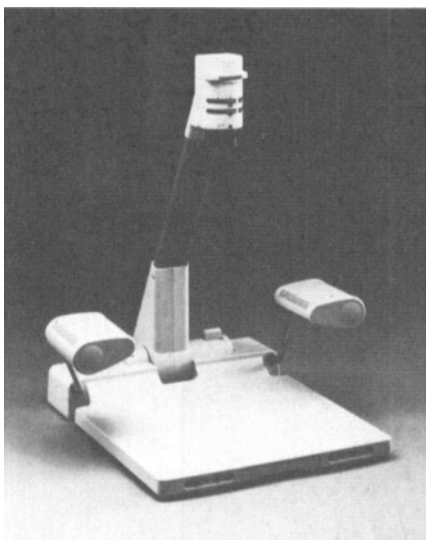
Two microphones, Beta 57 and Beta 58, have been introduced by Shure Brothers, Inc., 222 Hartrey Ave., Evanston, IL 60202-3696. The Beta 57 is intended for the miking of musical instruments, particularly drums, cymbals, horns, and instrument amplifiers. The Beta 58 is intended for demanding vocal musical applications. Both have gain-before-feedback capability, which maximizes PA and monitor output when onstage sound levels are extremely high. The transducer designs of both mikes incorporate a neodymium magnet for strong output voltage without console overload problems. Both the Beta 57 and Beta 58 feature pneumatic shock mount systems to minimize transmission of handling and stand noise.

A battery-powered video light is available from Kaiser Fototechnik, c/o HP Marketing, 16 Chapin Rd., Pine Brook, NJ 07058. The Camlight 20 can be powered by a high-capacity, snap-on battery pack or a snap-on AC pack. The battery pack provides power for 25 min/charge. The Camlight 20 is supplied with a 20-W Xenophot lamp, making the output equal to many 25-W units. The lamp is pre-focused and protected by a safety glass plate. It has two mounting shoes so it can be attached to a camera in either a flat position or with its folding handle extended.



Optical Radiation xenon lamp

A line of xenon light sources, the ORCompact Series, is available from Optical Radiation Corp., 1300 Optical Dr., Azusa, CA 91702. The lamps are available in 300-W configurations. They are intended for such uses as fiber-optics illumination and instrumentation. The ORCompact lights are compact and durable and are capable of several hundred hours of high-output operation.



Sony video display stand

A video presentation stand, the Model VID-P10, has been introduced by Sony Corp. of America, 9 W. 57th St., New York, NY 10019. Designed to replace conventional overhead projectors in many applications, it features an integral single-chip CCD color camera attached via an extension arm. The camera lens faces down to shoot books, catalogs, and even three-dimensional objects laid on the copy stand. High-quality video can be displayed on television monitors and projection systems and recorded on VTRs and Sony Mavica™ still video recorders. It does not require a dimly lit room, as does an overhead projector, and it can display materials that fall outside the range of normal transparent overhead sheets. The VID-P10 measures $21\frac{3}{4} \times 27\frac{1}{4} \times 22\frac{5}{8}$ in. and can be folded and carried like a briefcase. It weighs 20.5 lb.

SMPTE Journal, April 1989

A rear projection system for video presentations is also available from Sony. The system includes a screen and video projector. Typically it is installed in a wall with the projector behind the screen. The audience sees a bright, sharp picture, which can be viewed over a 100° angle. The screen is constructed from two sheets. The visible part has a lenticular front surface that controls the way light spreads out. A black stripe pattern absorbs the ambient light and raises contrast. The rear section of the screen is a fresnel sheet.

An updated software package for film editing is available from Montage Group, Ltd., 4116 W. Magnolia Blvd., Burbank,

CA 91505. The new package, Version 4.10, is for the Montage Picture Processor. It incorporates several film software updates to provide greater flexibility. The software now allows for several frame rates and formats to be edited and even mixed within the same project. The film formats supported are: 35mm 4 perforation, 35mm 3 perforation, 35mm 2 perforation, 16mm (with edge numbers every 20 or 40 frames) and 65mm. It accommodates frame rates of 24, 30, and 50 frames/sec. The film cut list detects and flags repeated use of material to alert the editor that copies of the original will be needed. It also marks edits that are within two frames of another edit.

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