

# New Products

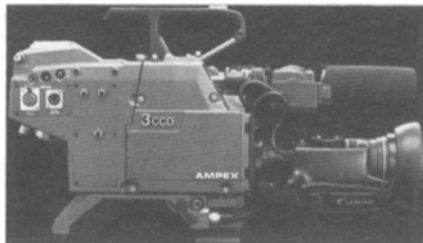
Further information about these items can be obtained from the addresses given. As with technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



NEC VSR™ 10 video recorder

A video recorder has been announced by NEC America, Inc., 1255 Michael Dr., Wood Dale, IL 60191. The VSR™ 10, a fully solid-state digital recording system, offers frame-by-frame random access and real-time slow-motion record and playback. The system provides 34 sec of recording time; however, up to 136 sec of recording time is possible with the addition of memory shelves. The VSR 10 permits simultaneous control of up to four channels for input and output in any de-

sired sequence. The recorder also features a built-in keyer, DRAM devices for data storage and dependability, and ease of operation.



Ampex CVC-50 camera

The CVC-50 CCD camera and TBC-7 time-base corrector have been introduced by Ampex Corp., 401 Broadway, Redwood City, CA 94063. Designed for sports, electronic news gathering (ENG), and electronic field production (EFP) applications, the CVC-50 features frame interline transfer CCD sensors and a switchable electronic shutter. Any of seven shutter speeds ( $1/100$  through  $1/2000$  NTSC,  $1/60$  through  $1/1600$  PAL) may be selected and displayed in the viewfinder. Other features of the camera include automatic iris control, automatic white/black bal-

ance, linear matrix, and color bar generator. A new ergonomic eyepiece adjusts left to right and up and down for maximum comfort.

The TBC-7 allows broadcasters to efficiently expand or compress program and commercial material without visible image degradation. Its adaptive digital comb filter decoder preserves picture detail while line-by-line digital interpolation eliminates picture artifacts. Other features of the time-base corrector include a fully digital velocity compensator, 28-line correction window, and Edit Ready function. The TBC-7 is compatible with the entire family of current Ampex Type-C studio VTRs, in addition to the VPR-2 and VPR-2B models.

The DF/X 200 digital video production system has been announced by Digital F/X, Inc., 3255 Scott Blvd., Santa Clara, CA 95054. The DF/X 200 combines real-time 3-D digital effects, high-resolution character generation, and paint capabilities in a single, integrated unit. Digital video is processed in four components at a 13.5-MHz sample rate. The system incorporates proprietary circuit technology (Application Specific Integrated Circuits) to provide high performance, increased reliability, and low power consumption.

The Ani-Maker and Image-Maker graphics systems have been put on the market by Microtime, Inc., 1280 Blue Hills Ave., Bloomfield, CT 06002. The systems are used for 3-D modeling and animation. From the Ani-Maker and Image-Maker workstations the graphic artist can control the position of objects, light sources, and cameras. He can execute texture mapping, reflectance mapping, and shading. The systems feature full-color, 32-bit paint capability; internal VTR control; and wireframe and rendered preview.

An enhanced Picture Processor® has been made available by Montage Group, Ltd., 1 W. 85th St., New York, NY 10024. This updated version of the original Montage electronic editing system, which the company has designated System II, features several software and hardware enhancements that facilitate the editing of single-camera projects shot on motion-picture film or videotape. The system includes a picture processing console, source memory modules, and a terminal with custom keyboard and stand.

A time-base corrector has been announced by Broadcast Systems Design, 1212 El Camino Real, Santa Clara, CA 95050. The TBC501 incorporates what the company refers to as "after the fact white balance," a dub feature that is compatible with Y/688, Y/629, and Y/C. Additional features of the system include digital pixel-by-pixel dropout compensation and horizontal detail enhancement.

NEW FROM  
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PAG I/II



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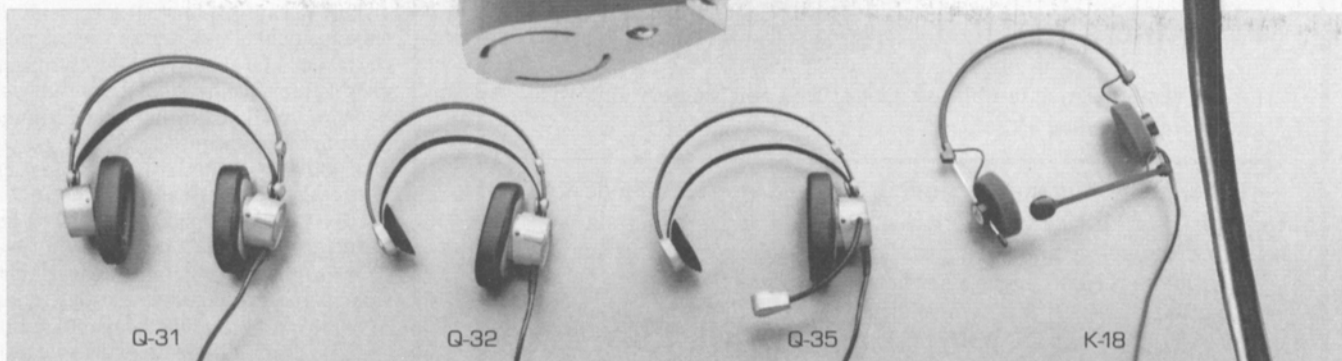
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Q-31

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The ESP II still store and two frame synchronizers, Models 634 and 642, have been announced by Harris Corp., P.O. Box 4290, Quincy, IL 62305. The ESP II freezes single frames of analog video in the digital format and stores the images on computer disks. In addition, the versatile system can function as two independent freeze frame synchronizers with a third channel for digital effects.

Harris' Model 634 frame synchronizer is designed for film-to-tape transfers. It features a digital noise-reduction system and RGB circuitry for high-quality picture reproduction. Model 642 offers several options that allow users to synchronize both remote feeds as well as internal video signals in the post-production environment.

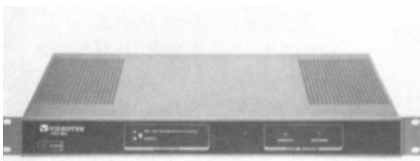
A digital still store device and the Model 3000RA Remote Control Assignment have been introduced by Leitch Video of America, Inc., 825K Greenbrier Circle, Chesapeake, VA 23320. The still store, named Still File by the company, can store up to 10,000 still video images. Retrieval of the images is fast and easy. The system features advanced digital video processing and is equipped with a descriptive database, sequence editor, and on-line help function.

Leitch's Model 3000RA Remote Con-



Leitch Still File

trol Assignment is a bi-directional relay switching unit that can access and control several devices, including the company's digital frame synchronizer, test generator, and video character display. The Model 3000RA can be used for switching of RS-232, RS-422/485, or similar serial ports. Operation of the unit is by means of a thumb-wheel selector on the front panel.



Videotek VSG-201 sync generator

A digital sync generator has been introduced by Videotek Inc., 243 Shoemaker Rd., Pottstown, PA 19464. The VSG-201

can be used either as a master machine or genlocked to another reference; when operating in the genlock mode, proper SC/H phase is guaranteed regardless of the input phase. To ensure accuracy of the two color bar outputs, the product has been engineered with a proprietary phase correction algorithm. Additional features of the VSG-201 include six isolated blackburst outputs, two composite sync outputs, composite blanking, vertical drive, and horizontal drive.



Studer A721 cassette recorder

An audio cassette recorder has been put on the market by Studer Revox America Inc., 1425 Elm Hill Pike, Nashville, TN 37210. The A721 has Dolby B and Dolby C noise reduction, as well as the Dolby HX headroom extension system. The electronics in the recorder are fully self-aligned for level, bias, and EQ by a dedicated microprocessor. The A721 also features a real-time counter, an illuminated multifunction display, and calibrated and uncalibrated input and output levels. Four motors, a dual capstan, die cast transport, and headblock make up the basic construction of the product.

Enhancements for two videographics systems have been announced by Aurora Systems, 311 Penobscot Dr., Redwood City, CA 94063. Color cycle animation, real-time 3-D animation, 3-D modeling, flexible tiling, and timeline-based animation editing are some of the software enhancements for the AU/280, a videographics system designed for high-end applications. The user of the AU/280 creates color cycle animation by automatically cycling the colors of an image through a defined sequence of colors or intensity levels, giving an illusion of movement. The enhancement allows a color cycle-animated image to be given a 256-level transparency value and overlaid on a full color background. The key hardware enhancement for the system is a 340-Mbyte hard disk; the disk is standard on all AU/280s.

A real-time "frame grab" feature and PAL/SECAM compatibility have been added to Aurora's AU/220, a full-color videographics system for broadcast television, corporate communications, educational, training, and medical applications. "Frame grab" allows an artist to capture full-color images from video cameras, rolling tape, and other sources. This enhancement enables the AU/220 to digitize an image in 1/30 sec.

## Binders for SMPTE-sponsored American National Standards and SMPTE Recommended Practices

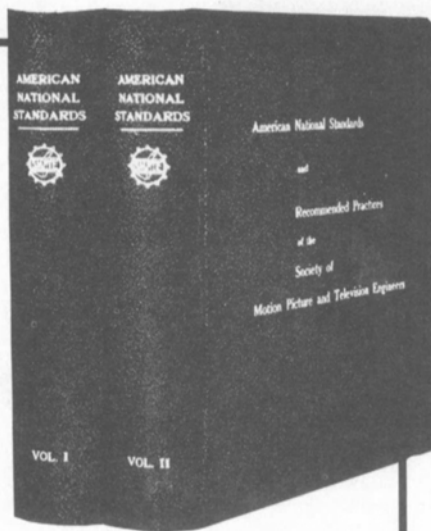
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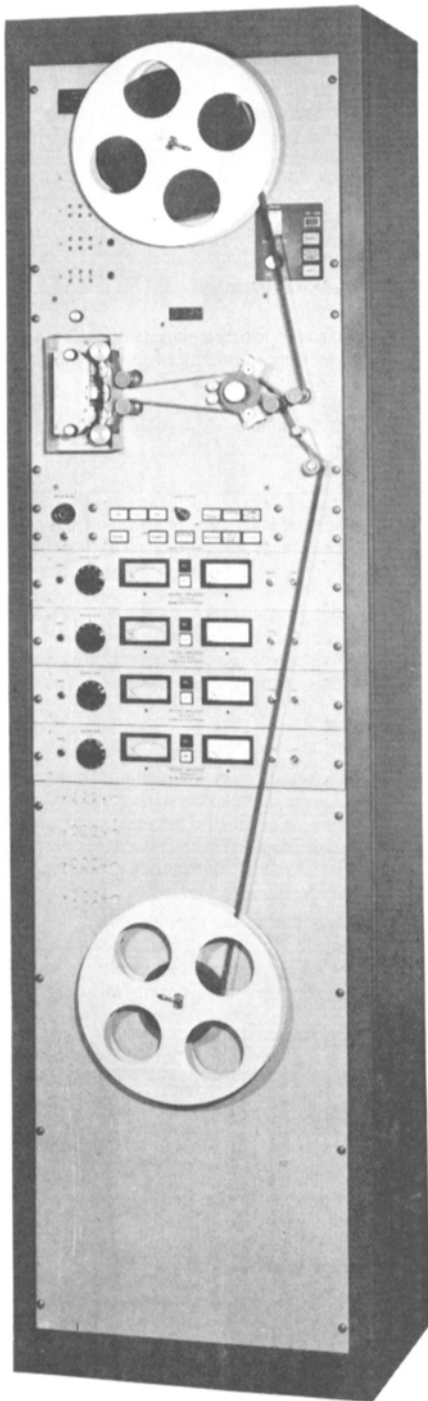
Order these high-quality, durable leatherette ring binders, from SMPTE Headquarters. Available in 1 and 1 1/2-inch sizes. Price including mail charge: \$15.00 each, North American Continent; \$16.00 each, elsewhere.



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