

New Products

Audio Equipment

Ampex Media Corp. has introduced a new generation of the **Ampex 472 studio audio cassettes**, available in 10, 20, 30, 45, 60, and 90-min configurations. The new cassettes feature a dual-coated chromium-dioxide IEC Type II formulation that uses two layers of matching pure chrome particles that differ in size; high-frequency signals are recorded on the top layer while the lower layer records the low frequencies. The five-screw cassette shell, made from a polycarbonate material designed to resist warpage up to 200° F, incorporates precision guide rollers to improve azimuth tracking.

Graphics/Special Effects

Abekas Video Systems, Inc., introduced the **Dveous digital effects system**. Image transform information is calculated to 1.2 ns spatial precision with 10 bits/pixel resolution. The standard configuration is a twin-channel effects system that may be used in a dual-video or video-plus key and full-bandwidth drop shadow implementation; a second twin channel may be added. The SuperShadow function provides independent control of all transforms and warps. UltraWarp furnishes a standard range of effects, such as quad splits, cylinders, rings, and swirls. Dveous accepts both serial and parallel digital and analog component and composite PAL inputs.

Signal Processing/ Transmission Equipment

The **A1023 MPEG audio encoder module** from Atlanta Signal Processors provides high-quality digital audio compression for mono and stereo signals in a com-

pletely self-contained module, which has a balanced stereo audio input to a stereo 16-bit analog-to-digital converter that can operate at 32 kHz, 44.1 kHz, or 48 kHz. It also has a glueless interface to digital audio receiver chips. MPEG encoded data output is either bit serial or through an 8-bit parallel FIFO. The A1023 provides for external software control of operating parameters including sample rate output bitrate, MPEG layer, audio input source, and time stamping through an 8-bit bi-directional control interface.

Software

Motion Pixels has announced the availability of its **Motion Pixels Version 2.1B software**. Motion Pixels is a software-only codec that consists of a compressor and player that provides full-motion video compression and decompression. The playback program offers 12 resizing options, with color choices of 256, 32K, and gray scale. The compressor program provides the user with adjustable controls, including five color-subsampling settings, interframe compression adjustments for edge and color distance, background filtering, and a sliding scale for gamma (color) correction.

Support Equipment

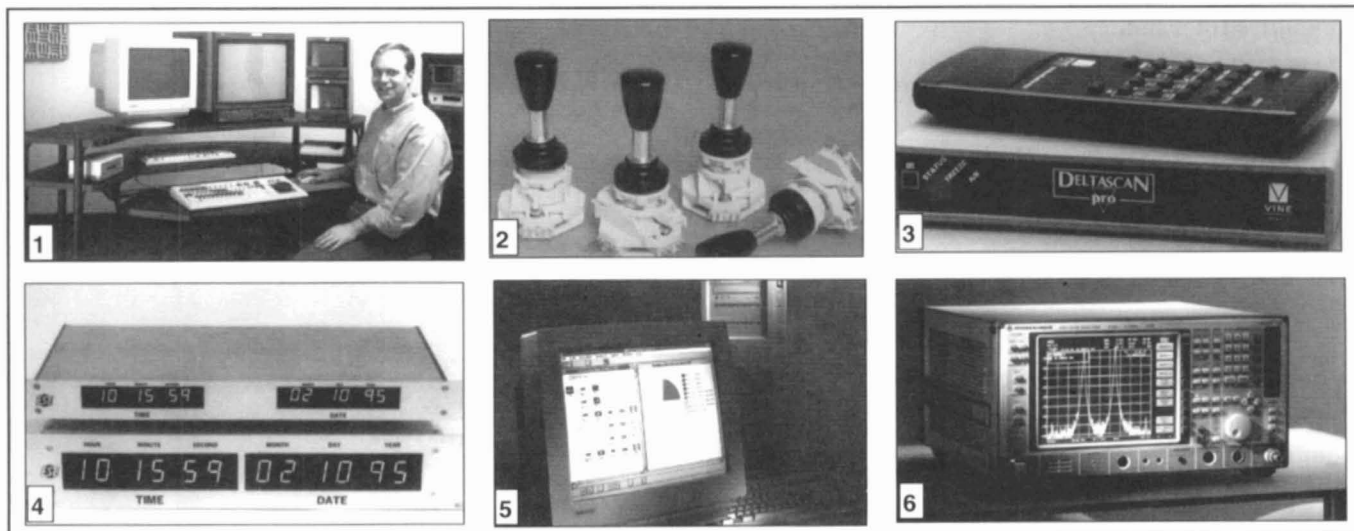
Anthro Corp. introduced the **Anthro Console**, which was designed to support video editing stations as well as other multi-monitor systems. The frame is 16-gauge steel with a baked-on powder coat finish; shelves are 1-in. thick industrial-grade particle board with high-pressure, scratch-resistant laminate. The Console comes with two shelves that can be put anywhere on the

frame of the cart in 1-in. increments; additional shelves can be added if more space is needed. Also included is a keyboard surface that can be positioned 7in. above or 5.75in. below the shelf it is attached to. The adjustable work surface can be tilted either 9° towards or 15° away from the user. It is easily adjustable from sit-down to stand-up height and the 4-in. soft rubber, twin-wheel castors allow it to be conveniently moved from room to room.

The **44 Series of joystick controllers** is now available from Switches Plus. The joysticks are available in three models: two-position, four-position, or eight-position. The short-throw, self-centering joystick operator activates 1 NO/1 NC contact elements in the X-Y axis and, with the 8-position model, combinations of contacts at intermediate positions. All models mount in standard 22.5 mm panel holes and are rated at 6 A/250 VAC.

Standards Converters

TV One Multimedia Solutions has announced the **DeltaScan**, for real-time conversion of high-resolution PC, Macintosh, and workstation graphics to NTSC or PAL video. DeltaScan is a small, external unit that requires no software drivers. It handles all input resolutions up to a maximum of 1600 x 1200 and accommodates all vertical refresh rates for either noninterlaced or interlaced signals. Simultaneous outputs are available in composite, S-Video, and RGB, as well as a computer monitor output. DeltaScan is 24-bit compatible and internally stores two million colors.



1. The Anthro Console from Anthro Corp. 2. The 44 Series of joystick controllers from Switches Plus. 3. TV One's DeltaScan. 4. The ES-126 and ES-127 master clock system from ESE. 5. The MTS100 MPEG test system from Tektronix and Matra Communication. 6. The FSEB20 from Rohde & Schwarz, distributed by Tektronix.

Switchers and Routing Systems

Leitch Inc. has introduced the **VIA32 Series of routers**. The 32 x 32 and 32 x 16 VIA routers fulfill most requirements, including analog audio, analog video, AES/EBU digital audio or serial digital video routing. Multiple VIA32 models can also be combined to create sophisticated, multilevel systems. All composite (143 and 177 Mbit/sec), component (270 Mbit/sec) and widescreen 16:9 (360 Mbit/sec) serial standards also may be routed by the VIA32 Serial model. The VIA routers provide early detection of failure in any key modules, including the X-Y communications bus, power supply, or fan. Each router is equipped with standard LED error and operation monitoring indicators, an external contact closure input, and an optional redundant power supply module.

Test and Measurement Equipment

ESE has introduced the **ES-126 and ES-127 master clock systems**. Both units feature a 12-digit ESE serial time code reader that displays six digits (hours, minutes, and seconds) of time and six digits (month, day, and year) of date. The ES-126 displays are .56 in. high yellow LEDs in a single rackmount enclosure; the ES-127 has 1 in. high LED displays in a 3 1/2-in. rackmount enclosure. Both units are designed to read ESE serial code (TC90) from ESE's master clocks.

Hewlett-Packard Co. has introduced the **HP 3270 Series of board test systems**. The HP

3272, 3273, and 3275 all feature HP TestJet technology; also standard is an HP 9000 Series 700 workstation with 66-MHz performance, HP in-circuit boundary-scan software, and shortwire fixturing software. The HP 3272 system includes six-wire-analog, in-circuit technology for accurate diagnostics of analog-device failures. The HP 3273 has powered in-circuit test performance, a six-megapattern vector rate, and a library of more than 8,000 devices for digital fault diagnostics. The HP 3275 has the same features as the HP 3272 plus a 12-megapattern or 20-megapattern vector rate, back-trace probe, and fault dictionary for digital functional fault detection.

Tektronix, Inc., has announced the **MTS100 MPEG test system**, a joint development with Matra Communication of France. The MTS100 is useful for applications in encoder/decoder compliance and stressing; multiplexer operation, repair and stressing; transmission system testing; manufacturing quality assurance; and MPEG system training. Using a Windows NT workstation as its platform, the MTS100 includes a data store system and five application programs. The MTS100 is fully configured and utilizes five 2-Gbyte SCSI hard drives with a custom I/O board capable of handling MPEG transport streams (MTS) at throughputs up to 45 Mbit/sec. This generator and analyzer combination includes such advanced features as a multiplexer, an analyzer, a data store control, a channel coder, and a table editor.

Tektronix has also announced the expansion of the Rohde & Schwarz FSE spectrum analyzer series to include the FSEB20, with a range of 9 kHz to 7 GHz, and the FSEB30, with a range of 20 Hz to 7 GHz. In addition, the FSE Series will now enable the spectrum analyzers to effectively become vector signal analyzers, combining laboratory-grade RF spectrum analysis with digital signal demodulation and analysis. Measurement results can be displayed in numerous ways, including in-phase and quadrature signal eye diagrams, as well as vector, constellation, and trellis diagrams.

Video Storage

The **Ampex DDS digital data storage product line** has been introduced by Ampex Media Corp. The cartridges utilize an advanced metal particle tape formulation that ensures high output levels and extremely low error rates. Further, the DDS shells contribute to stable output performance via their stringent mechanical design specifications that ensure proper tracking and jam-free operation. Ampex DDS cartridges also incorporate the Media Recognition System, which is designed to prevent the accidental intermixing of incompatible media between Audio DAT and DDS formats. Available in 60-m and 90-m lengths, the Ampex DDS series offers the Ampex-patented DATpak storage system. Each polypropylene DATpak container holds two DDS cartridges for redundant storage or A/B copy backups.

STATEMENT OF OWNERSHIP, MANAGEMENT, AND CIRCULATION

(Required by 39 U.S.C. 3685)

1. Title of publication:
 - A. SMPTE Journal
 - B. Publication No. 285200
2. Date of filing: September 29, 1995
3. Frequency of issue: Monthly
 - A. No. of issues published annually: 12
 - B. Annual subscription price: \$90
4. Complete mailing address of known office of publication: 595 W. Hartsdale Ave., White Plains (Westchester County), NY 10607-1824
5. Complete address of the headquarters or general business offices of the publisher: 595 W. Hartsdale Ave., White Plains (Westchester County), NY 10607-1824
6. Full names and complete addresses of publisher, editor, and managing editor:

Publisher: Society of Motion Picture and Television Engineers, Inc., 595 W. Hartsdale Ave., White Plains, NY 10607-1824

Editor: Jeffrey Friedman, c/o SMPTE, 595 W. Hartsdale Ave., White Plains, NY 10607-1824

Managing Editor: None
7. Owner: Society of Motion Picture and Television Engineers, Inc., 595 W. Hartsdale Ave., White Plains, NY 10607-1824
8. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgagees, or other securities: None
9. The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes: Have not changed during preceding 12 months
10. Extent and nature of circulation:

A. Total no. copies printed (net press run)	10,463*	11,960**
B. Paid and/or requested circulation: <ol style="list-style-type: none">1. Sales through dealers and carriers, street vendors, and counter sales2. Mail subscriptions	none 9,305*	none 9,263**
C. Total paid and/or requested circulation:	9,305*	9,263**
D. Free distribution by mail, carrier, or other means: <ol style="list-style-type: none">Samples, complimentary, and other free copies	441*	1,836**
E. Total distribution	9,746*	11,099**
F. Copies not distributed: <ol style="list-style-type: none">1. Office use, leftover, unaccounted, spoiled after printing:2. Return from news agents	717* none	861** none
G. Total	10,463*	11,960**
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Jeffrey Friedman, Editor

*Average no. copies each issue during preceding 12 months

**Actual no. copies of single issue published nearest to filing date

For further information regarding the new products and developments listed in this section, contact the companies directly at the addresses listed below:

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Leitch Inc., 920 Corporate Ln., Chesapeake, VA 23320, (804) 548-2300; Fax: (804) 548-4088

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