

# Calendar

## SMPTE Activities

LOS ANGELES, CA—2nd Annual SMPTE Film Conference—Co-located with Showbiz Expo, Los Angeles Convention Center, *June 12-14, 1998*

PASADENA, CA—140th SMPTE Technical Conference & Exhibit, Pasadena Convention Center, *October 28-31, 1998*

ORLANDO, FL—33rd SMPTE Advanced Motion Imaging Conference, Omni Rosen Hotel, *February 25-27, 1999*

SYDNEY, AUSTRALIA—SMPTE '99, *July 13-16, 1999*

NEW YORK, NY—141st SMPTE Technical Conference & Exhibit, *November 19-22, 1999*

For more information on these and other SMPTE activities contact SMPTE Headquarters: (914) 761-1100, Fax:(914) 761-3115

## June

ShowBiz Expo, Los Angeles Convention Center, Los Angeles, CA. Info: Reed

Exhibition Companies, 383 Main Ave., Norwalk, CT 06851, <http://www.showbiz-expo.com>. *June 12-14, 1998*

2nd Datacasting Conference, Montreux, Switzerland. Info: IAB, 11 Ave. de Florimont, 1820 Montreux, Switzerland. *June 13-14, 1998*

## October

Rocky Mountain Film and Video Expo, John Q. Hammons Convention Center, Denver, CO. Info: Mark Cramer, Expo-Masters, Inc., 7632 E. Costilla Ave., Englewood, CO, 80112. *October 14-15, 1998*

# New Products

## Camera

Panasonic Broadcast & Digital Systems Co., has released the AW-E560 multipurpose camera. The unit includes sensitivity to 2000 lux at  $f/9.5$ , reduced vertical smear of 20 dB, and a minimum illumination of 5 lux. Other features include three 400,000-pixel, 1/2-in. high-density, high-sensitivity interline transfer CCDs, and the ability to achieve 800 lines of horizontal resolution at an S/N ratio greater than 62 dB. The AW-E560 offers a synchro-scan shutter; AGC or 0,9, 18-dB gain settings; auto tracing, automatic or manual white balance with paint ability; and a built-in character generator for time and date functions and titling video productions.

## Camcorder

The AG-EZ30U 3-CCD digital video camcorder from the Panasonic Broadcast & Digital Systems Co. offers advantages such as an IEEE 1394 DV interface while weighing under 1.5 lbs. The hand-held camcorder features three 1/3-in., 270,000-pixel IT CCDs to produce 460 lines of horizontal resolution, S/N ratio of 50 dB, and minimum illumination of 2 lux. Drawing only 9 W of power, the AG-EZ30U will record up to 60 min of digital component video and digital audio on a 1/4-in. cassette. For professional applications, the camcorder offers a built-in SMPTE time code generator. Users can also manually control focus, shutter speeds, gain, and iris.

## Crossover

The THX D1138 monitor/digital cross-

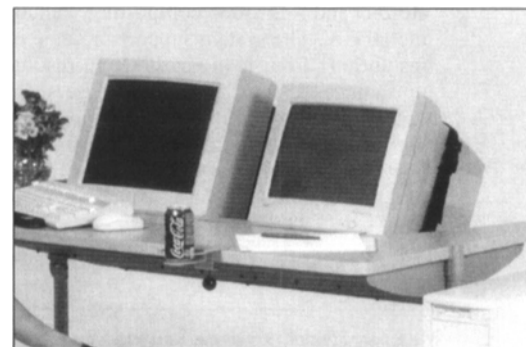
over from Lucasfilm THX provides a new level of monitoring flexibility allowing the signal path and, therefore, the quality of the signal in auditoriums to be more accurately analyzed. The D1138 offers an input stage that features both 8-channel analog and digital inputs, and the analog input's low noise and distortion ensures broad dynamic digital inputs. The digital input will accept industry standards AES/EBU and S/PDIF, and allows a fully digital signal path from the mixing console or cinema processor when a digital output is provided. The product also offers a software-configurable output stage that provides unlimited compatibility with current soundtrack formats, including Dolby Digital, DTS, and SDDS.

## Frame

Matthey Electronics has announced the RF-3004 standard 19-in. sub-rack frame. The frame allows standard serial video signals to be transmitted and/or received via fiber-optic cable to increase the signal path length between re-locking distribution amplifiers. The RF-3004 rack frame will accommodate up to 18 transmit or receive modules. Any combination of the two module types can be installed and are available as individual standalone die-cast boxes for use in any SDV system.

## Monitor Cart

Anthro Corp. has introduced the 60-in. tilt monitor cart which allows users to set their monitors lower than their work space. This standard two-shelf unit can be modified up to 40°, thereby reducing glare. Other product features include a



Anthro Corp.'s tilt monitor cart.

safety track and two independent straps to firmly hold the user's equipment in place. The stationary shelf is 16 in. deep and large enough for two keyboards placed side to side.

## Processor

RGB Spectrum has announced the SynchroMaster 400 multimedia display processor which combines the capability of a variable line interpolator with that of a signal synchronizer. Intended for large-screen multimedia presentation of video and computer signals, the unit allows the user to switch between video and computer signals and expand the number of lines of video to fill a large screen. The SynchroMaster can expand the number of lines of video up to four times and provide user-programmable output timing to optimize the video signal for any given projector. Seamless switching between a variety of video formats and scan rates, including computer signals, are also allowed by this product.

## Scan Converter

The RGB/Videolink 1700 video scan converter from RGB Spectrum accepts interlaced or noninterlaced RGB inputs from many workstations or desktop computers. The unit automatically synchronizes to all computer signals with screen resolution up to 1600 x 1200 pixels and scan rates from 15 KHz to 90 KHz. The scan converter will output broadcast quality NTSC and PAL composite video, S-Video (S-VHS, Hi-8), and component analog video (Betacam/MII). The product provides the ability to overlay video with computer-generated graphics, through several overlaying alternatives. They include both a linear luminance keyer and a chroma-keyer, with overlays on composite video or S-Video backgrounds.

## Software

Chyron Corp., has announced the release of Concerto, a full-featured compositing and special effects software package that supports unlimited layers of video and audio for both Windows 95 and NT workstations. The software allows users to create 2-D and 3-D video compositing, including HDTV. The system supports a range of resolutions from icon size to high-resolution images above 1280 x 1024. Users can output lower resolution views for faster preview and compositing. Concerto supports 24-bit color (8-bit RGB), a transparency channel (8 bits), a matte/effects

channel (8 bits), and a G buffer/depth channel (32 bits). Concerto supports a broad range of video cards and works with plug-ins designed for Adobe, Premiere, and In Synch Razor.

## Test System

SyntheSys Research, Inc., has announced the BitAlyzerHDTV, model HDVA292. The product can assist video manufacturers, broadcasters, and production facilities in implementing the SMPTE 292M high-definition television standard. Integrating a Windows-NT platform with advanced touchscreen control, the HDVA292 produces realtime error statistics for format errors, and includes logic analyzer features for capturing erred data and analyzing it offline. Enhanced diagnostic features include digital waveform display, numeric display, and picture mode. Additionally, the instrument will support future upgrades such as analog waveform and jitter analysis, 720P support, test signal generation, and network.

## Transceivers

The OC-12 Link optical transceiver from Molex Fiber Optics transmits data over inexpensive multimode fiber at speeds up to 622 Mbytes/sec for distances up to 1100 m. These transceivers are ideal for ATM systems with OC-12 and STM-4 interfaces as well as proprietary data interconnect systems. The product can be used

for data communication, cross connects, ATM switches, disk array links, and workstation and mainframe backbones.

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

**Anthro Corp.**, 10450 S.W. Manhasset Dr., Tualatin, OR 97062, tel: (503) 691-2556, fax: (503) 691-2409, Internet: <http://www.anthro.com>

**Chyron Corp.**, 5 Hub Dr., Melville, NY 11747, tel: (516) 845-2000, Internet: <http://www.chyron.com>

**Matthey Electronics**, Burslem, Stoke-on-Trent, Staffs, ST6 3AT, England, tel: +44 1782 524918, fax: +44 1782 524977, e-mail: [sales@matthey.demon.co.uk](mailto:sales@matthey.demon.co.uk)

**Molex Inc.**, 2222 Wellington Ct., Lisle, IL 60532, tel: (630) 969-4550, fax: (630) 969-1352

**Panasonic Broadcast & Digital Systems Co.**, 1 Panasonic Way, Secaucus, NJ 07094, tel: (201) 392-4319, fax: (201) 392-6001

**RGB Spectrum**, 950 Marina Village Pkwy., Alameda, CA 94501, tel: (510) 814-7000, fax: (510) 814-7026, Internet: <http://www.rgb.com>

**SyntheSys Research, Inc.**, 3475-D Edison Way, Menlo Pk., CA 94025, tel: (650) 364-1853, fax: (650) 364-5716, Internet: <http://www.synthesysresearch.com>

**THX Division, Lucasfilm Ltd.**, P.O.B. 10327, San Rafael, CA 94912, tel: (415) 492-3900, fax: (415) 492-3999

## Standards For Motion Picture Production and Presentation

**SMPTE Standards Publication**



Contains 21 Standards and Recommended Practices covering 16mm and 35mm apertures, physical film dimensions, audio records, time and control code, telecine scanning areas and projection parameters. If purchased individually these documents would sell for over \$200. **The book is available to SMPTE members for \$30 and the nonmember price is \$45.**

**For Easy Ordering...**The Society can now be accessed via the Internet, with an order form that allows you to e-mail your order directly to Headquarters. SMPTE's site on the World Wide Web is located at <http://www.smpte.org>.

**SMPTE Books, 595 W. Hartsdale Ave., White Plains, NY 10607**

Please send me \_\_\_\_\_ copies of **SMPTE Standards for Motion Picture Production and Presentation** at the price of **\$30 each for SMPTE members (\$45 for nonmembers)** plus postage and handling.\*

Enclosed is my check for \$ \_\_\_\_\_. Charge to my (check one) \_\_\_\_\_ Visa \_\_\_\_\_ MasterCard \_\_\_\_\_ Am Ex

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