

New Products

A fully-equipped PC-based system that permits completely original digital effects sequences to be created off-line for use on-line with the company's video workstation was launched by Pinnacle Systems, 870 W. Maude Ave., Sunnyvale, CA 94086, (408) 720-9660; Fax: (408) 720-9674. The DVEator Creation Station contains everything the user needs to create DVEator sequences, including an IBM PC/compatible 486 computer and Sculptor 3-D animation, modeling, and rendering software. The unit uses the software to model 3-D shapes as a wire frame. Any shape modeled off-line can be mapped with live video in a single pass using the workstation equipped with the DVEator option. In addition to the computer, the system includes random access memory, a Super VGA display, a hard drive, a 3 1/2-in. high-density disk drive, a 5 1/4-in. disk drive, an AT Vista board, a graphics tablet, and a removable read-write optical drive.

Version 2.0 for the A51 Digital Special Effects System was announced by Abekas Video Systems, Inc., 101 Galveston Dr., Redwood City, CA 94063, (415) 369-5111; Fax: (415) 369-4777. The product's features include multiple timeline operations, keyframe pooling, and enhancements for Light Sourcing and the A82/A84 LINC interface. Multiple timelines for a single effect gives the user ultimate flexibility when building effects. Separating "local" picture manipulation parameters and "global" parameters gives much more control when programming effects. Setting different spline values for the local and global keyframes is possible, as are different keyframe durations, and the global effect timeline may be offset from the local effect.

Version 4.5 software for the A72 Digital Character Generator includes Light Shading, splined animations, and enhancements to the Ramp Shading feature. Light Shading lets users apply a spot or scoop-lighting effect to characters or blocks of text. The direction, size, angle, softness, color, and transparency of the light pool are completely variable, as is the mix between the character and light colors.

The Windows version of ImageAccess data-base software for the PC and compatibles was introduced by Nikon Electronic Imaging Products, 1300 Walt Whitman Rd., Melville, NY 11747-3064, (516) 547-4200. The software, which recently began shipping for the Macintosh, is a part of a total-archiving solution utilizing the LS-3510AF Film Scanner and Autofeeder. ImageAccess is a

fast, fun, and easy-to-use image archiving/management program that is fully user-configurable and provides data entry, searching, sorting, and organizational functions. The product, which is very flexible and can be set up in a way that is comfortable for the user, is offered as an optional bundle with the purchase of an LS-3510AF Film Scanner. Combined, the scanner, autofeeder, and software provide the industry's first fully automatic scanning and cataloging solution for millions of 35mm slides needing to be digitized for easy access, storage, and preservation. The software can acquire any existing files saved in its supported formats, which include TIF, BMP, JIF (JPEG Image Format), and TGA.

The GSP500 Genlock Signal Processor for VGA Controllers was announced by Integrated Circuit Systems, Inc., 2626 Van Buren Ave., P.O. Box 968, Valley Forge, PA 19482-0968, (215) 666-1900; Fax: (215) 666-1099. The unit allows the text and graphic images of VGA and Super VGA controllers to be displayed on standard NTSC televisions or recorded on a VCR. The product also accepts external video input from a camcorder or a VCR and will synchronize the VGA or Super VGA controller to the external video. The product allows VGA and video images to be overlaid on the same television screen. The unit meets or exceeds all RS 170A broadcast standards for timing accuracy and allows the VGA controller to maintain true NTSC compatibility at all times.

The GSP600 VGA/PAL Genlock Processor with Overlay allows the text and graphic images of VGA and Super VGA controllers to be displayed on standard PAL televisions or recorded on a VCR. Additionally, the product accepts external video input from a camcorder or a VCR and will synchronize the VGA or Super VGA controller to the external video. The unit also allows VGA and video images to be overlaid on the same television screen.

The DiskMix 2+ will replace the DiskMix 2 automation system, it was announced by Otari Corp., 378 Vintage Park Dr., Foster City, CA 94404, (415) 341-5900; Fax: (415) 341-7200. The new unit incorporates a wide range of improvements, including two-frame data resolution, an improved video display, improved off-speed and continuous time code operation, hardware compatibility with current PC processor architectures, and improved data interface. The system package comes with all the required documentation, hard-

ware, and disks needed for simple and fast installation.

Presto 200, a high-performance character generator, was announced by The Grass Valley Group, P.O. Box 1114, Grass Valley, CA 95945, (916) 478-3160. The unit provides high-quality antialiased graphics and a full range of real-time display effects, all in a fast, easy to use system. The unit comes with 32 master Bezier fonts with font sizing from 8 to 400 scan lines and font scaling for Z-axis rotation. Real-time effects include roll, crawl, wipe, four-directional push, slow reveal, fade in/out, and tumble. The unit comes equipped with a preview output, making it an ideal choice for fast-paced live applications. The standard system has a hard disk for font, program, and text storage. The KolorGrab™ option makes it possible to capture RGB video and store it as still images for use as backgrounds, logos, or custom characters. Captured stills can be scaled, edged, or shadowed, and then assigned to individual keys for instant recall.

A camera system was unveiled by Arriflex Corp., 600 N. Victory Blvd., Burbank, CA 91502-1639, (818) 841-7070; Fax: (818) 848-4028. The 16SR-3, which is based on the company's 16SR, retains the original unit's shape and its operational look-and-feel, but it has a wide variety of new, advanced features and technologies built in. Features include an improved swing-over viewfinder, ArriGlow illuminated viewfinder-format markings, and a swing-over ability that is retained when the CCD video is attached. The camera system, which is easily user-switched between Standard 16mm to Super 16, has SMPTE time code and flicker-reduced color and black-and-white CCD video.

A development in motion-picture sound was announced by Imax Corp., 45 Charles St. East, Toronto, Ont., Canada, M4Y1S2, (416) 960-4336; Fax: (416) 960-8596. The Imax Personal Sound Environment System (Imax PSE), which was created in conjunction with Birmingham, Alabama-based Sonics Associates, provides an audio complement to the strong visual effects of Imax 3D and Imax Solido™ films. The system creates a fully controllable 3-D sound image that can accurately track objects in the 3-D visual field. Sounds can be made to follow the visuals as they break loose from the boundaries of the screen and move into the audience. The sound experience is achieved through the use of a lightweight, cordless head-worn system that combines electronic 3-D glasses and special PSE sound transducers

138th SMPTE Technical Conference and World Media Expo Los Angeles Convention Center

October 8-12, 1996



JOINT INTERNATIONAL SESSIONS

- ACVL/SMPTE: "Creating and Delivering on Film"
- HDTV '96 — Two Day Workshop Featuring:
Advanced Coding & Compression
3D and Stereoscopic Television and More...

Two targeted and focused exposition halls...
"Evaluate the latest products and
breakthrough services"

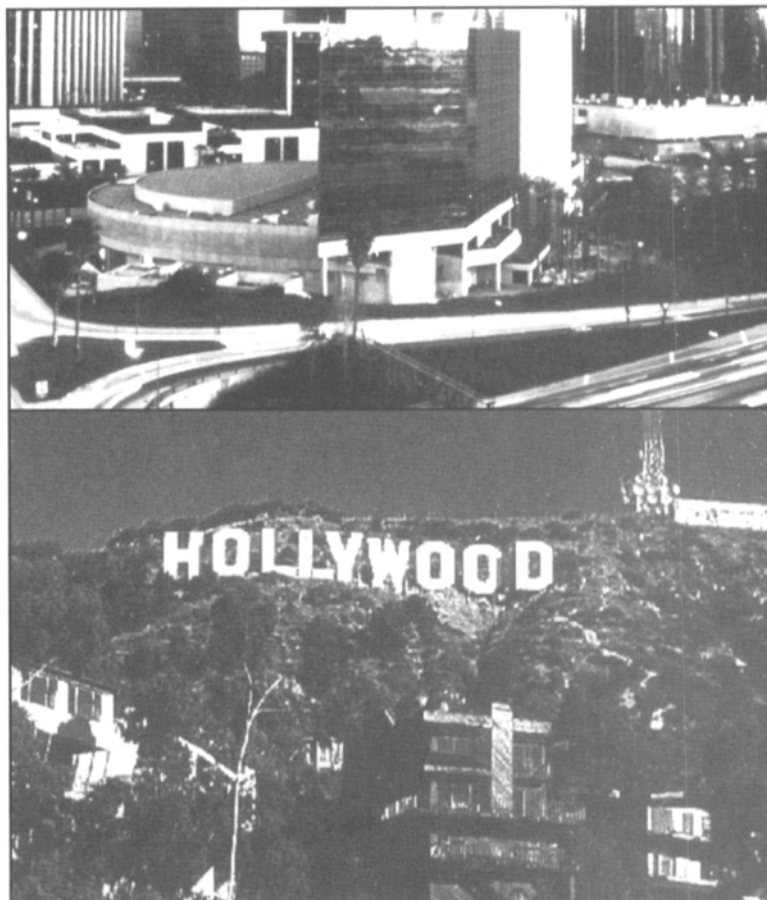
**FILM AND VIDEO SYNERGIES:
CREATION TO DELIVERY**

THREE FULL-DAY SEMINARS

- Compression
- Nonlinear Editing Systems
- The New Theatrical Experience:
An Update

TECHNICAL SESSIONS

- Panel: Content and the Consumer:
Future Pathways
- Widescreen Issues for
Film and Video
- Video Servers: Nonlinear Access
to Content
- Special Venues
- Winning in a Global Economy
- The Digital Virtual Studio
- Audio: The Widescreen
Experience
- DVD Authoring: A New Technology
- Delivery Systems
- Applications in Production
Technology































PROGRAM AT A GLANCE


138th SMPTÉ Technical Conference and World Media Expo
 October 8 to 12, 1996
 Los Angeles Convention Center • Los Angeles, Calif.



“Film and Video Synergies: Creation to Delivery”

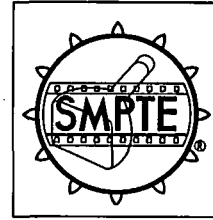
	WEDNESDAY OCTOBER 9	THURSDAY OCTOBER 10	FRIDAY OCTOBER 11	SATURDAY OCTOBER 12			
	MORNING SESSION 9:00 am to 11:30 am	MORNING SESSIONS 8:00 am to 12 noon	MORNING SESSIONS 8:00 am to 12 noon	FULL-DAY SEMINARS			
HDTV '96 Workshop Sponsor: International HDTV Committee Tuesday and Wednesday, October 8 - 9 Room 409 A/B MORNING SESSION 8:00 am to 12 noon AFTERNOON SESSION 1:00 pm to 5:00 pm Ken Davies CBC 	OPENING SESSION Introductions and Welcome Keynote Address Speaker: Chris Cookson Warner Bros. (second speaker TBA) Room 408B  	Widescreen Issues for Film and Video Room 408A John Galt Sony Pictures  	Video Servers: Nonlinear Access to Content Room 408B Peter Smith NBC  	The Digital Virtual Studio Room 408A David Elliot ABC 	Audio: The Widescreen Experience (Film and Video) Room 408B Ioan Allen Dolby  	DVD Authoring: A New Technology Room 409A/B Mikhail Tsinberg Toshiba 	Three full-day seminars will be held from 8:00 am to 3:00 pm Compression Room 408A Ken Davies CBC  
	MIDDAY Industry Luncheon LACC — Petree Hall C	MIDDAY Fellows Luncheon LACC — Petree Hall C Speaker: Jeorg D. Agin, Eastman Kodak Co.					
	AFTERNOON SESSION 1:30 pm to 5:00 pm	AFTERNOON SESSIONS 1:00 pm to 3:00 pm	AFTERNOON SESSIONS 1:00 pm to 3:00 pm				
	Panel Discussion Content and the Consumer: Future Pathways Room 408B  	Special Venues Room 408A Greg Thagard Warner Bros. 	Winning in a Global Economy: The Power of Standards Room 408B John Forrest NTL  	Delivery Systems Room 408A Bob Seidel CBS 	Applications in Production Technology Room 408B Dick Stumpf Universal  	Joint SMPTÉ/ACVL Session Creating and Delivering on Film Room 409A/B Frank Ricotta Paul Bourque Technicolor 	Nonlinear Editing Systems Room 408B Kim Aubry American Zoetrope John Carlson Monaco Labs  
			Honors & Awards Reception 7:00 pm to 9:00 pm Los Angeles Hyatt 				

 Indicates sessions of particular interest to the film community.

 Indicates sessions of particular interest to the television/video community.

International HDTV '96 Workshop to Complement SMPTE Conference

October 8-9, 1996, Los Angeles Convention Center



Study the latest technologies that greet tomorrow's imaging challenges...

The International Workshop on HDTV will be a featured component of the 138th SMPTE Technical Conference and World Media Expo. This comprehensive two-day workshop will include all aspects of HDTV with an emphasis on signal processing, storage, transmission, and compression. HDTV '96 will provide an in-depth review of current research and development of the technologies that will take HDTV and SDTV into the future.

HDTV '96 Sessions

- | | |
|---|---|
| <input type="checkbox"/> Advanced Coding and Compression (MPEG-4) | <input type="checkbox"/> Advances in Display Technologies |
| <input type="checkbox"/> Modulation Techniques for Transmission | <input type="checkbox"/> Image Capture Technologies |
| <input type="checkbox"/> 3D and Stereoscopic Television | <input type="checkbox"/> Psychophysics of 3D Television |

HDTV '96 is positioned in the heart of the major motion picture production community and among the most sophisticated HDTV digital production houses in the world. By attending HDTV '96 you will have access to a wealth of technologies that will impact on future generations of television. HDTV '96 is a must for engineers involved at all levels of imaging technologies. It runs two days: October 8 & 9, and precedes the SMPTE Conference, which officially begins on Wednesday, October 9, and ends Saturday, October 12, 1996.

How to Register

A special discount is available to those wishing to attend both HDTV '96 and the SMPTE Technical Conference. Your advance registration form and payment must be postmarked prior to September 13, 1996. For additional information contact SMPTE at (914) 761-1100, Fax: (914) 761-3115, E-Mail: mktg@smpte.org, or the SMPTE Web Site at <http://www.smpte.org>.

SMPTE HOUSING FORM

Hotel reservations can be made anytime between May 16, 1996 and September 10, 1996.

Complete this form and send to Rogal America by mail, fax, or phone. (Please have this form handy when calling.) Confirmation of your reservation will be sent within three days from the time your information is received. All rooms require a guarantee in the amount of one night's room & tax prior to September 10, 1996.

Mail: Rogal America/SMPTE Housing Bureau 313 Washington St. Newton, MA 02158	Phone: Rogal America/SMPTE Housing Bureau 1-800-722-0504 or (617) 965-8000	Fax: Rogal America/SMPTE Housing Bureau (617) 630-6900
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Name _____ Company _____
 Address _____
 City _____ State/Province _____ Country _____
 Zip/Postal Code _____ Tel _____ Fax _____
 Date of Arrival _____ Date of Departure _____

Hotel Rates (Circle Your Choice)		Single	Double
* Hyatt Regency	Standard	\$126	\$146
* (SMPTE Headquarters)	Club	\$146	\$175
Inter-Continental	Standard	\$144	\$144
	Club	\$175	\$175
Radisson Wilshire	Standard	\$108	\$108
	Club	\$125	\$125
Sheraton Universal	Standard	\$115	\$115
	Club	\$135	\$155

Amount Due: \$ _____
Payment Method (check one):
<input type="checkbox"/> Check Enclosed (make payable to Rogal America)
<input type="checkbox"/> Credit Card (please specify) _____
Acct.# _____
Name on Card (print) _____
Signature _____

Cancellation Policy: Should you need to cancel your reservation, you must contact Rogal America at least three days prior to arrival to avoid a penalty of the first night's room tax and deposit.

in a way that does not interfere with sound from the six in-theater speakers that form the normal Imax digital sound system. In special configurations, the system can simultaneously deliver narration and dialog in several languages.

Two 18X lenses for studio production were introduced by Fujinon Inc., 10 High Point Dr., Wayne, NJ 07470, (201) 633-5600; Fax: (201) 533-5216. The Ss18 X 6ESM for 1/2-in. cameras and the As18 X 8ESM for 2/3-in. cameras have improved Modulation Transfer Function (MTF) performance, as well as better control of chromatic aberrations, flare, and reflections. The lenses have less expensive hand controls, a manual range extender, and an iris-only LED indicator. The Ss18 X 6ESM has a zoom ratio of 18X, focal length of 6 to 108 mm (12 to 216 mm with built-in 2X extender), maximum aperture ratio of $f/1.4$ over the entire focal length range, and a minimum object distance of 0.58 m. The As18 X 8ESM has a zoom ratio of 18X, focal length range of 8 to 144 mm (16 to 288 mm with built-in 2X extender), maximum aperture ratio of $f/1.5$ from 8 to 114 mm and $f/1.9$ to 144 mm, and a minimum object distance of 0.58 m.

An automatic temperature controller for film processors can be supplied by Allen Products Co., 180 Wampus Lane, Milford, CT 06460, (203) 878-7454; Fax: (203) 877-6346. Designed to improve processing efficiency, the controller has digital readouts that show set point and actual temperature to one-tenth of a degree. A microprocessor-based, dual-output, dual-alarm, single-input, automatic-tuning device, the temperature controller offers automatic or manual capability with bumpless transfer. When in automatic mode, the unit has closed-loop control with sensory feedback; in manual it has open-loop control with user-defined output power level.

M-Drive, a digital motor speed drive for film processors, has advanced internal software that enables it to solve speed-control problems by continuous and automatic adjustment of voltage to a processor's motor as other factors in the drive chain vary. The product has a sealed keypad consisting of two panels: one for setting day-to-day operating speeds and the other for programming functions. It also has an RS 422 port for interfacing with a host computer.

Two new products were launched by Panasonic Broadcast & Television Systems Co., One Panasonic Way, Secaucus, NJ 07094. **The AU-45H, a dockable recorder in the EnHanced MII series**, sets a new standard in compactness, low weight, and low power con-

sumption (2.6 kg and 10 W, respectively) for an MII dockable VTR. Special features of the product include auto head cleaning, a built-in character generator and set-up menus; a Phantom MIC input/supply; and a record/review function. The recorder works with a variety of batteries, including NP1, BP402, or Anton Bauer, and built-in self-diagnosis helps operators troubleshoot in the field.

The AU-A950 time code editor system, with direct control of up to five VTRs, a switcher, a mixer, and a 2000-event EDL, is ideal for on-line editing. Its low-cost programmable configurations, frame-accurate slow-motion control, and powerful list management make the unit applicable for off-line operations as well. The keyboard was designed for fast, two-handed operation. The left hand controls machine selection, the right hand controls machine transports. Numeric entries are easily accomplished with natural right-handed key-presses.

Option 42 audio-to-video delay measurement has been added to the options for the VM700A Video Measurement Set, it was announced by Tektronix, Inc., Howard Vollum Industrial Park, P.O. Box 500, Beaverton, OR 97077-0001. The new option consists of firmware that measures the timing difference between the audio and video portions of a program that arrive by different transmission paths. The product is designed for use in conjunction with the company's VM700A Option 40 Audio Measurement Set and VITS 200 NTSC or VITS 201 PAL Insertion Generator and an ASG 100 or ASG140 Audio Signal Generator. The VITS inserter is connected to the audio signal generator through a special remote cable at the signal source. After the VITS inserter locks to the program, it gates a special vertical blanking message on and off every 5 sec. At the same time, it gates a control signal to the audio signal generator, producing short audio bursts synchronously with the video vertical blanking message.

Accu-Cart™, a full-featured cart machine, was unveiled by Odetics Broadcast, 1515 S. Manchester Ave., Anaheim, CA 92803-2907, (714) 774-5000; Fax: (714) 774-9432. Developed at the request of smaller-market stations with limited budgets, the product meets the basic requirements for no-frills cart automation. It is a turnkey cart machine that provides extremely efficient operation by allowing stations to automate on-air commercial and program playback without the need for other equipment or software programs. The unit stores up to 150 multicassettes on-line, and is compatible with the following formats: S-VHS, Beta SP with PVW and BVW, MII, D-2, D-3, D5, and digital Betacam.

Model 8020, a general purpose oscilloscope, was unveiled by Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788, (800) 645-5104. The unit is a 20-MHz dual-channel instrument featuring high sensitivity using 12 ranges from 1 mV to 5 V/division (band-limited to 5 MHz on the 1 and 2 mV/division range). Vertical accuracy is 3% with the added convenience of front-panel calibrated adjustments. Rear-panel jacks provide CH1 output for use by frequency counters or other equipment, and Z-axis (intensity) modulation.

The 20/25PT3 Series 2 and 2.5-GHz portable ENG transmitter was announced by Nucomm, Inc., 101 Bilby Rd., Bldg. 2, Hackettstown, NJ 07840, (908) 852-3700; Fax: (908) 813-0399. The unit offers 30 fully synthesized RF channels (7 main plus 2 offset channels in the 2.0-GHz band and 3 main plus 2 offset channels in the 2.5-GHz band); two synthesized, field-programmable audio sub-carriers (line or mic level with AGC); and 2-W minimum output power. The product is configurable to serve any portable environment from tripods and backpacks to helicopters and ENG trucks.

The DM-141A demodulator was launched by Videotek, Inc., 243 Shoemaker Rd., Pottstown, PA 19464-6433, (215) 327-2292; Fax: (215) 327-9295. Although it is similar to the DM-141S, which it replaced, the DM-141A is an entirely new design and has improved specifications and features. It is now possible to tune in up to 154 channels. The channels tuned are: 2 to 13, which are the same for the cable and antenna modes; 14 to 69 UHF in the antenna mode; and 14 through 99 in the cable mode. Cable channels are 14 to 22 in the midband, 23 through 94 in the superband, and 95 to 99 in the 88 to 120-MHz range. Fine tuning of ± 4 MHz, in 63-kHz steps, may be adjusted from the front panel. This range allows tuning Harmonically Related Channel (HRC) frequencies.

Crystalok II™ electronic crystal control module for the Arri 16BL was announced by Alan Gordon Enterprises, 1430 Cahuenga Blvd., Hollywood, CA 90078. The product enables operators to select from five crystal speeds: 23.976 (for transfer to video using Rank or Bosch machines); 24 and 25 for 50/60-Hz sync; and 29.97 and 30 frames/sec for NTSC video transfers. In nonsync mode, a variable speed control knob provides access to frame rates between 18 and 50 frames/sec. The unit is not an attachment, but a module that installs quickly in place of the bloop cover on any 16BL equipped with the 24 frames/sec/3000 RPM universal motor. No special tools are required.