

Calendar

SMPTE Activities

NEW YORK, N.Y. — 139th SMPTE Technical Conference and Equipment Exhibit, Marriott Marquis Hotel, *November 21-24, 1997.*

TORONTO, ONTARIO — 32nd Advanced Motion Imaging Conference, *February 5-7, 1998.*

For more information on these and other SMPTE activities contact SMPTE Headquarters:

(914) 761-1100
Fax: (914) 761-3115

August

The Illuminating Engineering Society of North America (IESNA) Annual Conference, Westin Hotel Seattle, Seattle, Wash. Info: Valerie Landers, Manager, Member Services, IESNA, 120 Wall St., 17th Fl., New York, NY 10005-4001. *August 18-20, 1997.*

September

IBC97, RAI Exhibition and Congress Centre, Amsterdam, The Netherlands. Info: Sarah Campbell, IBC Office, Savoy Place, London, WC2R 0BLP, U.K. *September 12-16, 1997.*

The 17th International Display Research Conference (IRDC '97), Sheraton Hotel, Toronto, Ont. Canada. Info: Ralph Nadell, IDRC '97 Conference Coordinator, Palisades Institute for Research Services, 201 Varick St., Ste. 1006, New York, NY 10014. *September 15-19, 1997.*

IIC'97, Regent Hotel Sydney, Sydney, Australia. Info: Sharon Campbell International Institute of Communications Secretariat, tel: +44 171 388 0671, fax: +44 171 380 0623, e-mail: sharon@iicom. *org. September 29-October 2, 1997.*

October

Rocky Mountain Film & Video Expo, John Q. Hammons Convention Center,

Denver, Colo. Info: Mark Cramer, ExpoMasters, Inc., 7632 E. Costilla Ave., Englewood, CO 80112. *October 1-2, 1997.*

IBTS '97, Milan Fair, Milan, Italy. Info: General Secretariat, Via Domenichino, 11 C.P. 15117 - 20150 Milan, Italy, e-mail: MC1703@MCLink.it. *October 16-20, 1997.*

November

CIE 2nd Expert Symposium on Colour Standards for Imaging Technology, Scottsdale, Ariz. Info: CIE Central Bureau, Kegelgasse 27, A-1030 Vienna, Austria. *November 20-21, 1997.*

March 1998

cinec 98 International Trade Fair for Motion Picture Technology and Post-Production, M.O.C, Events Center, Munich, Germany. Info: Messe München GmbH, cinec Exhibition Management, Messegelände, D-80325 München, Germany. *March 21-23, 1998.*

New Products

Cables and Connectors

The **7538 miniature serial digital cable** from Gepco International is small in size (.159-in. diameter) and low in weight. The 75- Ω cable has a solid 23-AWG bare-copper center conductor that improves the center pin crimp and a dense 34-AWG tinned-copper braid that increases low-frequency shield effectiveness. It is designed with a tough, low-loss foam dielectric and carries a UL-listed type CM rating.

Signal Transport introduced the **Project Patch TRS wiring system**. It is based around a 1/4-in. 48-point patch bay and provides identical rear-panel facilities for the exceptionally flexible and easy-to-install Project Patch modular interface connector. The patch features 48 premium-quality, PC board-mounted TRS front-panel jacks. Each group of eight top and bottom jacks appears on a single gold-plated, rear-panel multipin connector. The mating cable connectors are end-to-end stackable for easy subdividing into any combination of 2, 4, or 8-channel circuits.

Camcorders

JVC Professional Products Co. announced its **Digital-S DY-700U 4:2:2 digital camcorder**, which provides DTV-ready recordings. It records full 4:2:2 resolution with a very gentle 3.3:1 compression, resulting in crisp, artifact-free images. Recordings can be monitored through composite video output on the DY-700U and edited in any Digital-S system. Three 1/2-in. CCDs with JVC's micro-lens technology produce sharp pictures and high sensitivity. Controls are laid out logistically for easy operation. Automatic functions include full time auto white, which tracks color temperature automatically. A continuous auto black circuit assures perfect black balance under changing environments.

Editing Equipment

United Media, Inc., introduced the **On-Line Express nonlinear editing system**, which, operating under Windows NT, uses Matrox's DigiSuite PCI-bus board-set and interfaces with the high-speed Movie-2 bus for maximum performance.

This system supports two simultaneous channels of motion-JPEG at true ITU-R 601 D-1 resolution-quality, 60 fields (50 PAL)/sec with variable compression rates ranging to a lossless compression rate of 1.5:1. On-Line Express supports instant playback of edits, real-time effects, no rendering, real-time audio mixing, 2-D and 3-D digital video effects, paint, titling, compositing, batch digitizing, and other professional video and multimedia production features. It performs real-time fades, dissolves, wipes, keys, unlimited 2-D effects and real-time integrated titling.

Fiber Optics

Matthey Electronics has introduced the **RF-3004 serial digital video to fiber-optic links**; the links are being distributed by Television Equipment Associates. Standard serial video signals can be transmitted and received via fiber-optic cable to increase the signal path length between reclocking amplifiers. The rack frame will accommodate up to 18 transmit or receive modules; any num-

ber of the two module types can be installed. All connections are made via the rear panel, where BNC and multimode ST fiber connectors are used. Modules are available as individual standalone metal boxes for use in any SDV system.

Lenses/Optics

Fujinon Broadcast & Communications Products Division has introduced a family of HDTV lenses that includes a 10x, 14x, 20x, 24X, and 66x. The **HA10X5.2BEVM portable lens** has a focal length of 5.2 to 52 mm without extender, and 10.4 to 104 mm with its 2x extender deployed; the maximum relative aperture is F2.0 from 5.2 to 37 mm, and F2.5 at 52 mm. The **HA14X8EVM portable lens** features a focal length of 8 to 112 mm without extender, and a length of 16 to 224 mm with the 2x extender deployed; maximum relative aperture is F2.0 from 8 to 89.6 mm, and F2.5 at 112 mm. The **HA20X7.5BEVM portable lens** has a maximum relative aperture of F2.2 from 7.5 to 90 mm, and F2.8 at 150 mm; the focal length is 7.5 to 150 mm without extender, and 15 to 300 mm with the 2x extender. The **HA24X7BESM is a studio lens** with a 7 to 168 mm focal length and a maximum relative aperture of F1.5 from 7 to 120 mm and F2.1 at 168 mm. Finally, the **HA66X9.5ESM field lens** features a focal length of 9.5 to 625 mm without extender, and 19 to 1250 mm with 2x extender; the maximum relative aperture is F2.2 from 9.5 to 404 mm, and F3.4 at 625 mm.

Also from Fujinon is the **A20X8EVM/ERD 2/3-in., ENG handheld television zoom lens**. Featuring the company's latest technology, AT2, which combines Fujinon's aspheric technology with an inner focusing system, the lens has a reduced minimum object distance of 0.8 m. A smooth, responsive servo control and Fujinon's V-Grip is also featured. The lens has a focal length of 8 to 160 mm without extender, and 16 to 320 mm with the 2x extender deployed. The F-number is 1.7 from 8 to 115 mm, and 2.4 at 160 mm.

The **WP-168-04A LCD teleprompter for portable cameras** is also new from Fujinon. It can be fixed to a handheld television camera and features a 6-in. LCD and built-in image memory that can store up to 22 pages of text (44 pages in low-resolution mode), which translates into approximately 6 min of speech. The WP-168-04A can be controlled remotely by infrared or cable and has multiple choices for manuscript display, including instant input from a personal computer or handheld television camera.

Lighting Equipment

Lowel-Light Manufacturing has announced its **id-light**, which offers dimming and focusing for light control. The integral DC dimmer uses solid-state microelectronic pulse-width modulation technology to control the amount of energy supplied to the light. The high-switching dimmer allows for smooth dimming and prevents acoustical noise from being emitted from the bulb.

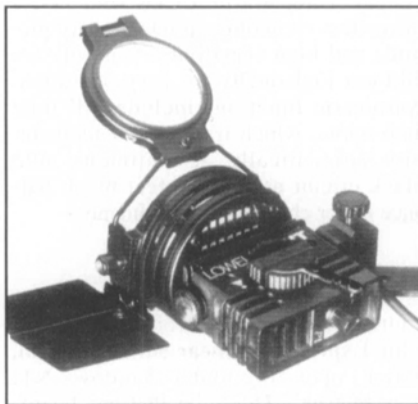
Signal Processing/Transmission Equipment

CLARiiON announced its **VF2000 disk array**, which provides the ability to broadcast up to four simultaneous video streams from a single system. It can be readily configured to store over 200 hours of broadcast-quality video while providing fault-tolerance and continuous access to data. The VF2000 offers a sequential read performance that exceeds 30 Mbytes/sec while the sequential write performance exceeds 22 Mbytes/sec.

Software

Cintel, Inc., has announced the availability of **Keylink software version 6.02C and the InstaSync technology**. Keylink, Aaton's all-inclusive film code reader, window/VITC inserter, and data management system, is designed to work with all Cintel and BTS telecines. It is fully self-contained and can handle all film code formats. It can synchronize dailies automatically and reads Keycode and AATONCode on the film, burns these codes onto every video frame, and stores all events related to the film-to-video transfer on a database floppy disk in a way that is 100% frame-accurate for non-linear editing.

Philips Broadcast Television Systems, in association with OPUS Software, has



The *id-light* from Lowel-Light Manufacturing.

announced a **complete software control package for BTS LDK camera systems using the 9000 universal camera control system**. The package consists of two programs, LDK software 1 and LDK software 2; both run under regular Windows 95 on a laptop or desktop PC and include context-sensitive help menus. LDK software 1 is a standard shotfile management system that stores and recalls all the settings of 15 cameras in five productions up to 100 shotfiles each. Users can define their own dialogs to control all camera functions. Toolbars with icons offer shortcuts, and there are six preset screen layouts. The LDK software 2 has the same features, but in addition includes frame grabbing to allow one picture-oriented list per production for 500 shotfiles for a total of 2500 picture shotfiles. Shotfile storage can be triggered either by video production tally or manually, with shotfile recall triggered by either time code/real time or manually.

Support Equipment

The **Film Tote film transport box** from Technology Container Corp. is constructed from lightweight corrugated plastic with a double reinforced bottom. Featuring a carrying handle and clasp to eliminate straps, this water-resistant film box sets up instantly without glue or tape. Able to handle four or five 14-in.-diameter reels, the Film Tote provides easy access to the reels for quality assurance and can be securely sealed.

Switchers and Routing Systems

The **Olson OTVS-8000R** from Olson Technology, Inc., is an audio-following-video 8 x 8 routing switcher that lets users switch any of eight input video and stereo audio signals to any of eight dual video and audio outputs. Suitable for



The *Film Tote* film transport box from Technology Container Corp.

video-on-demand and security applications, routing can be controlled by push button switches on the front panel or remotely via RS-232, RS-422, or RS-485 control lines. Compatible with head-end systems, the Olson OTVS-8000R operates at speeds from 150 to 19200 baud, and multiple units can be controlled from one serial modem.

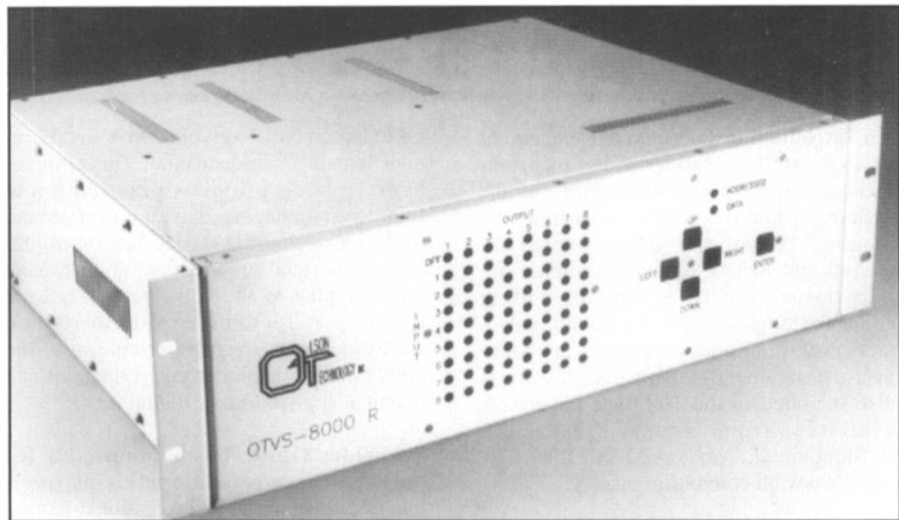
Test/Measurement Equipment

Kramer Electronics, Ltd., has introduced the **Video TESTER**, a **pocket-sized video signal tester** that makes field signal testing easier and more convenient. The battery-operated device comes in a beeper-type enclosure with a pocket clip and can run for three continuous hours from a 9-V battery. Featuring absolute video signal detection, the Video TESTER can trace missing signals, distinguish between accepted and jittery (VCR-sourced) signals, and identify the presence of good signals by pressing one switch. It also checks for sync and odd/even data in the signal, and isn't triggered by noise, hum, or a 15-kHz nonvideo source. The device has two LEDs: a red power indicator and a green signal indicator.

Videotapes, Cassettes, and Disks

Maxell Corp. of America introduced a **D-5 high-definition videocassette** that has a 0.1- μ m diameter, ultra-fine ceramic armor particle coating, and a calendaring technology that smoothes the magnetic coating surface. It has a thin, highly rigid polyethylene terephthalate-based film material to create an 11- μ m thickness tape. In addition, uniform filter dispersion technology enables the tape to evenly clean the head surface without causing excessive wear. The HD videocassettes are available in recording times of 33 and 63 min in M size, and 94 and 124 min in L size.

Maxell has also introduced a **1-in. HDTV metal videocassette**, designed for use with digital VTRs that conform to BTA Hi-Vision Studio Signal Standard VTA S-001. Available in 24, 33, 48, and 64-min recording times, the videocassettes have a low error rate due to a high-level carrier-to-noise ratio that results in a crystal-clear HDTV picture reproduction. The cassettes also use a high-performance binder system and ceramic armor metal particle coating. Additionally, an extremely thin ceramic layer encapsulates each magnetic particle, improving the physical characteristics and corrosion resistance of the cassettes.



The Olson OTVS-8000R 8 x 8 from Olson Technology, Inc.

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

Cintel, Inc., 25358 Avenue Stanford, Valencia, CA 91355, tel: (808) 294-2310, fax: (805) 294-1019

CLARiON, Coslin Dr., Southboro, MA 01772, tel: (508) 480-7350, fax: (508) 480-7950

Fujinon, Inc., 10 High Point Dr., Wayne, NJ 07470, tel: (201) 633-5600, fax: (201) 533-5216

Gepco International, Inc., 2225 W. Hubbard, Chicago, IL 60612-1613, tel: (312) 733-9555, fax: (312) 733-6416

JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407, tel: (201) 794-3900, fax: (201) 523-2077

Kramer Electronics, Ltd., 350 Main Road, Montville, NJ 07045, tel: (888) 303-5600, e-mail: kramere@netvision.net.il

Lowel-Light Manufacturing, Inc., 140 58th

St., Brooklyn, NY 11220

Maxell Corp. of America, 22-08 Route 208, Fair Lawn, NJ 07410, tel: (201) 794-5922, fax: (201) 796-8790, Internet: <http://www.maxell.com>

Olsen Technology, Inc., 24926 Highway 108, Sierra Village, CA 95346, tel: (209) 586-1022, fax: (209) 586-1026

Philips BTS, 2300 South Decker Lake Blvd., Salt Lake City, UT 84119, tel: (801) 972-8000, fax: (801) 972-6304

Signal Transport, 3219 Pierce St., Richmond, CA 94804, tel: (510) 528-6039, fax: (510) 528-6043

Technology Container Corp., 418 Boston Turnpike, Shrewsbury, MA 01545, tel: (508) 845-6333, fax: (508) 845-6367

Television Equipment Associates, Inc., P.O. Box 499, 133 Boway Rd., S. Salem, NY 10590-0499, tel: (914) 763-8893, fax: (914) 763-9158

United Media, Inc., 4771 E. Hunter, Anaheim, CA 92807, tel: (714) 777-4510, fax: (714) 777-2434

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