

# New Products

## Audio Equipment

**The BCF 256 broadcast communications frame** from Audio Processing Technology is designed to deliver full duplex FM-quality stereo digital audio up to 15 kHz over permanent links such as STLs and permanent studio networks. For such applications, the BCF 256 incorporates an X.21 serial bitstream data interface and an integral terminal adapter for fail-safe ISDN backup if the normal link fails. Available with an optional digital I/O, the BCF is a multi-algorithm codec, switchable between apt-X and either Layer-II or G.722 coding.

JBL Professional has announced its **Cinema 3000 Series of audio equipment for small and mid-sized theaters**. The series consists of the the JBL 3677 (for non-THX theaters) and JBL 3678 (for THX theaters) screen channel systems, the JBL 3310 surround speaker, and the JBL 3635 subwoofer.

Also from JBL is the **Cinema 5000 Series of screen channel systems**. The JBL 5674 system is designed for large theater environments seating up to 1,200 people; the JBL 5672 system is designed for mid-

sized theaters seating up to 500; and the JBL 5671 system is for compact theaters seating no more than 250 viewers. The JBL 5000 series accommodates the requirements of digital sound and features true three-way system design — a separate horn/driver for high and mid-frequency ranges and a low-frequency enclosure — with each section of the system optimized for its specific bandpass region.

Svetlana Electron Devices introduced the **3CX300A1 power triode for audio**. It features a powerful metal/ceramic triode usable for audio amplifiers in Class A, AB, or B or as a power supply pass device; high transconductance (20,000 micro-Siemens); low plate resistance; increased peak emission from new cathode materials; and exceptional linearity. The triode is suitable for retrofitting audio amplifiers, and it fits the Svetlana SK2A socket, standard loktal sockets, or special sockets intended for the 4CX250B tetrode.

## Cables and Connectors

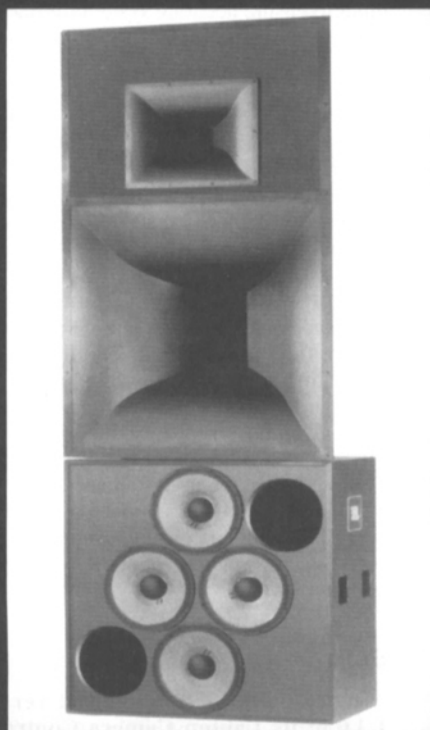
**The Ultra High-Performance Y Adapter (IHP Y)** from Monster Cable Products, Inc., is designed especially for applications where high-quality signal splitting is nec-

essary from a single output. The IHP Y can be used when expanding a source out of an A/V receiver. The device features dual multiple gauge bandwidth-balanced bass and high-frequency wire networks for more accurate signal transfer and smooth, balanced reproduction of music harmonics. Fine-stranded, high-purity copper windings increase signal transfer for the best sonic performance.

## Character Generators

Leitch, Inc., has introduced the **Logo Motion MGI-3701 serial digital video logo generator**, which displays animated logos as well as traditional static logos. It stores up to 99 static logos or 21.5 sec of animation, or a combination of both. Each logo may be precisely positioned, have variable transparency, and even be transitioned into the picture. The device is 4:2:2:4, with 8-bit and 10-bit versions available.

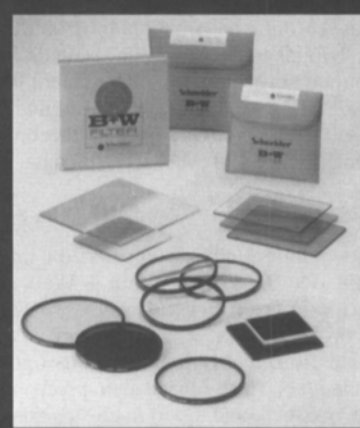
Also from Leitch is the **LGI-6801 logo generator and keyer/inserter**. Designed for simple logo insertion applications, the 10-bit device can store up to two 4:2:2:4 logos and includes positioning and full linear key features. GPI logo selection and keyer triggers are provided as standard.



JBL Cinema 5000 Series from JBL Professional.



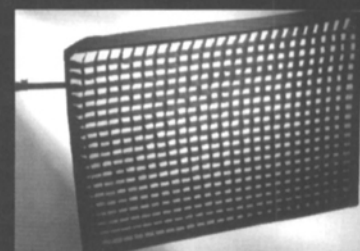
Svetlana's 3CX300A1.



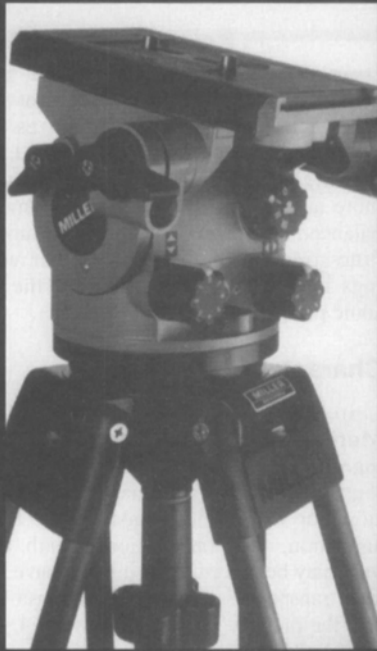
Schneider Optics's filters, lenses and optics.



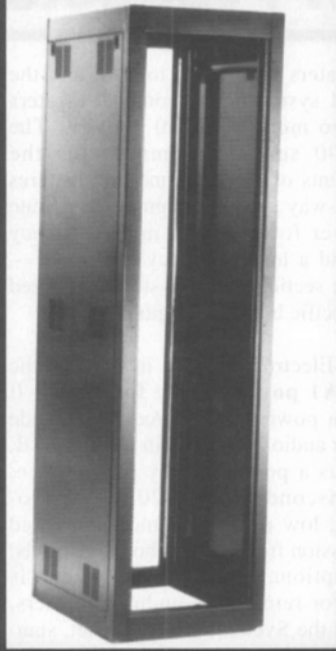
Fostex D-160 recording editing system from Fostex Corp. of America.



Westcott's fabric grid accessory.



The Arrow 50 from Miller Fluid Heads.



VRx vertical racks from Winsted Corp.



Model 905 Comscope protocol analyzer from Telebyte Technology.



Arriflex Corp.'s Laptop Camera Controller software, version 1.3.0.

## Editing Equipment

Fostex Corp. of America announced its **D-160 16-track removable hard disk recording/editing system**. The unit comes standard with a removable 2.55-Gbyte hard drive for 30 min of 16-track and one full hour of 8-track recording capability. It also features 16 dedicated channels of audio plus 8 "virtual tracks," enabling sounds to be grouped for sweetening. A selectable stereo S/PDIF port and ADAT digital interface use two optical I/Os capable of accommodating 16 tracks of ADAT digital data.

## Lenses/Optics

Schneider Optics, Inc., has developed a line of **Schneider B+W (Biermann + Weber) filters made from crystal-clear, water-white optical glass**. The filters are diamond cut from highly homogeneous optical-grade glass. Each filter is then precision ground, polished, and tested to ensure exact thickness, flatness, and plane parallelism. As a result, these filters allow the most light passage while eliminating aberrations and the greenish cast found in filters made with a lower grade glass. In addition, the Schneider filters have an edge seal to eliminate delamination and edge chipping while also reducing edge reflections and flare.

## Lighting Equipment

The F. J. Westcott Co. introduced a **fabric grid accessory for its Westcott box line**. Made of a lightweight fabric, it attaches to the Westcott Box with velcro strips along

all four sides. Once the user is finished, the fabric grid is fan-folded into small strips, tied with a velcro strap, and stored in a flat position. The fabric grid is available for three of the four Westcott Box sizes.

## Projection Equipment

The **Model EDP-2100 three-LCD multimedia projector** from Elmo Mfg. Corp. uses three active matrix TFT polysilicon LCDs, delivering 832 x 624 pixel images. The extremely bright 500 ANSI lumens deliver colorful, clear, clear, detailed edge-to-edge professional-quality images on small or large screens from 23 in. to 300 in. diagonal. A wireless remote controller operates the completely self-contained projector. The projector also has an RS-232C port for integration with external control systems. The device can project images from most Apple or IBM-compatible desktop, laptop, and notebook computers as well as NTSC, S-Video PAL, and SECAM video sources.

## Signal Processing Equipment

Essential Communications announced a **new release of its GIO-64 network interface card (NIC)**, a fiber-based HIPPI solution for Silicon Graphics Indigo2 workstations. Capable of IP data rates in excess of 40 Mbits/sec, the GIO-64 provides a path for Indigo2 users to design high-speed client/server and cluster environments. The unit uses serial HIPPI with the big data service (BDS) file system to optimize volume transfers between systems.

The **DEC-6801 PAL/NTSC decoder and the DES-6801 PAL/NTSC decoder/synchronizer** from Leitch, Inc., are high-quality 10-bit PAL/NTSC to 4:2:2 decoder modules that offer 2x oversampling and three-line adaptive comb filter decoders. The DEC-6801 has an analog reference input to ensure accurate system timing, and it features an optional piggyback 4:2:2 frame synchronizer.

The **ADC-6880 20-bit, analog audio to AES/EBU digital converter module** from Leitch is designed for high-quality, minimal loss conversion with up to four separate outputs. Up to 10 ADCs may be accommodated per 2-RU frame.

Sierra Design Labs announced its **Transcoder true 4:4:4 color space converter for digital video**. The device is a fully bidirectional 4:2:2:4 to 4:4:4:4 up/down sampler in real time; working at internal 13-bit resolution, this gives a full 10-bit data path throughout. The Transcoder can be used in place of existing 4:2:2 inputs on 4:4:4 devices and is fully compliant with key or alpha signals to provide full transmission of RGBA to 4:2:2:4 digital YUVA.

## Software

Arriflex Corp. has introduced **version 1.3.0 of its Laptop Camera Controller (LCC) software**, which provides support for all new-generation Arriflex cameras, including the Arriflex 435, 535B, 535, and

16SR 3. The software allows for two-way communications between state-of-the-art motion picture cameras and contemporary computers. It controls all camera functions, maintains a database of camera status information, and is capable of printing automated camera reports. The LCC operates on any System 7.1 or later Macintosh Powerbook.

Leitch, Inc., has released the **Router Works97 routing system control software**. This version features wild mapping, which makes the mapping of inputs and outputs on the matrix completely virtual. It also has an improved matrix view of router status, password protection preset/take operations, locks and protects, and salvo editing and launching.

## Standards Converters

The **Ixon series of standards converters** from Tekniche, Inc., is a range of high-quality 10-bit standards converters in 1-RU cases. The range offers serial digital input and output, Tekniche's own reference-quality decoding and encoding, and a new motion-adaptive standards conversion algorithm.

## Support Equipment

The **Arrow 50** from Miller Fluid Heads is designed for ENG/EFP camera control. Drag and counterbalance selectors are at the rear of the head, placing them in the operator's view at all times and providing additional protection in harsh field environments. All controls are easy to access and, together with the bubble level, can be illuminated at the touch of a button to optimize operation in low light conditions. The Arrow 50 features seven selectable drag settings, a 4-position dial-in counterbalance for a wide range of camcorder and dockable configurations, back-lit bubble level and selector controls, positive pan/tilt locks and a  $\pm 70$ mm sliding camera platform with quick release plate.

The **VRx series of heavy-duty vertical racks** from Winsted Corp. have front and rear rack rails that adjust front to back to accommodate electronics of any depth. The rails are tapped for equipment mounting and meet EIA standards. Both the top and bottom of the rack are open for cable management and venting. Other features include independent lift-off side panels, conduit knock-outs on the top and bottom, two grounding lugs, and mounting holes on top for eye bolts.

## Test/Measurement Equipment

The **CS-1000 spectroradiometer** from Minolta Corp. measures spectral power

distribution, luminance, color, and correlated color temperature of CRTs/LCDs and lamps/LEDs. The CS-1000 features high-speed and high-accuracy capacity and can be operated as a standalone device or connected to a PC through a standard RS-232C interface.

Telebyte Technology introduced the **Model 905 Comscope protocol analyzer**, a high-performance serial data line monitor, bit error rate tester, and emulator in a small configuration that supports all PCs. It is an external device equipped with a complete range of built-in hardware interfaces. The Model 905 supports most WAN protocols, both asynchronous and synchronous. It captures the whole picture, including data, control leads, time stamps, and error conditions, enabling the user to do extensive post-capture analysis of data.

## Video Recording/Playback Equipment

The **TDX 8418 1/2-in., 18-track cartridge drive** from TDX Peripherals, Inc., can store up to 600 Mbytes of data on a single tape cartridge and transfer data at a rate of 4.5 Mbytes/sec. The drive is 3480/90 (IDRC) compatible and comes in a tabletop version as well as a 19-in. rack mount version.

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

**Arriflex Corp.**, 617 Route 303, Blauvelt, NY 10913-1109, tel: (914) 353-1400, fax: (914) 425-1250

**Audio Processing Technology, Ltd.**, Edgewater Rd., Belfast, BT3 9JQ Northern Ireland, tel: +44 (0) 1232 371110, fax: +44 (0) 1232 371137, Internet: <http://www.aptx.com>

**Elmo Mfg. Corp.**, 70 New Hyde Park Rd., New Hyde Park, NY 11040, tel: (800) 947-3566, e-mail: [elmo@elmo-corp.com](mailto:elmo@elmo-corp.com)

**Essential Communications**, 4374 Alexander Blvd. NE, Ste. T, Albuquerque, NM 87107, tel: (505) 344-0080, fax: (505) 344-0408

**Fostex Corp. of America**, 15431 Blackburn Ave., Norwalk, CA 90650, tel: (310) 921-1112, fax: (310) 802-1964, e-mail: [info@fostex.com](mailto:info@fostex.com), Internet: <http://www.fostex.com>

**JBL Professional**, 8500 Balboa Blvd., Northridge, CA 91329, tel: (818) 893-8850, fax: (818) 830-7802

**Leitch Inc.**, 920 Corporate Ln., Chesapeake, VA 23320, tel: (800) 231-9673, fax: (757) 548-4088, Internet: <http://www.leitch.com>

**Miller Fluid Heads**, 30 Hotham Parade, Artamon, NSW 2064, Australia, tel: +612 9439 6377, fax: +612 9438 2819, e-mail: [press@miller.com.au](mailto:press@miller.com.au)

**Minolta Corp.**, 101 Williams Dr., Ramsey, NJ 07446-1293, tel: (201) 825-4000, fax: (201) 423-0590, Internet: <http://www.minoltausa.com>

**Monster Cable Products, Inc.**, 274 Wattis Way, S. San Francisco, CA 94080, tel: (415) 871-6000, fax: (415) 871-0641, Internet: <http://www.monstercable.com>

**Schneider Optics, Inc.**, 285 Oser Ave., Hauppauge, NY 11788, tel: (516) 761-5000, fax: (516) 761-5090, e-mail: [info@schneider-optics.com](mailto:info@schneider-optics.com), Internet: <http://www.schneider-optics.com>

**Sierra Design Labs**, 999 Tahoe Blvd., Incline Village, NV 89451, tel: (702) 831-7837, fax: (702) 831-5710

**Svetlana Electron Devices**, 3000 Alpine Rd., Portola Valley, CA 94028, tel: (415) 233-0429, fax: (415) 233-0439, e-mail: [engineering@svetlana.com](mailto:engineering@svetlana.com), Internet: <http://www.svetlana.com>

**TDX Peripherals, Inc.**, 80 Davids Dr., Hauppauge, NY 11788-2003, tel: (800) 842-0708, fax: (516) 273-6476, e-mail: [sales@tdxtape.com](mailto:sales@tdxtape.com), Internet: <http://www.tdxtape.com>

**Tekniche**, 100 Stonehurst Ct., Northvale, NJ 07647, tel: (201) 784-2288, fax: (201) 784-3860

**Telebyte Technology, Inc.**, 270 Pulaski Rd., Greenlawn, NY 11740-1616, tel: (516) 423-3232, fax: (516) 385-8184, e-mail: [sales@telebyteusa.com](mailto:sales@telebyteusa.com), Internet: <http://telebyteusa.com>

**The F. J. Westcott Co.**, 1447 Summit St., P.O. Box 1596, Toledo, OH 43603, tel: (419) 243-7311

**Winsted Corp.**, 10901 Hampshire Ave. S., Minneapolis, MN 55438-2305, tel: (619) 944-9050, fax: (612) 944-1546, e-mail: [racks@winsted.com](mailto:racks@winsted.com), Internet: <http://www.winsted.com>

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## Obituaries

**Jeremiah Goodwin** passed away in January at the age of 52. At the time of his death, he had just left KCSM TV at the College of San Mateo, Calif., and was working in customer service for an equipment manufacturer. He joined the SMPTE in 1995, and for over 20 years had been active in SBE chapter 40. He held a number of jobs in the Bay Area, as well as a position at the Advanced Television Test Center in Charlotte, N.C.

The family of **Lou Wolf, Jr.**, would like to thank all of the members of the Society for their sympathy following his death in January. According to Wolf's wife, Barbara, "Lou's affiliation with the SMPTE was a great source of satisfaction to him in his professional life. He was proud to be a member of the Society and to work closely with so many for whom he had so much respect and admiration. It had a profound influence on his personal life as well, as he developed close and treasured friendships over the years with many of his SMPTE colleagues."