

Samuelson and developed in conjunction with Panavision, this easy-to-follow manual provides up-to-date information on all aspects of this widely used camera system. The text is divided into sections, highlighting the relevance of the equipment to all who use it, including film producers, film directors, directors of photography, camera operators, and camera assistants. The 300-page manual is \$29.95 and available from Focal Press, 313 Washington St., Newton, MA 02158-1626.

Mic-Splitting Demystified is available from its author, audio consultant Franklin J. Miller, 2100 Ward Dr., Henderson NV 89015. The 30-page booklet is divided into four separate sections: Why it Began, The Solution, How They Were Designed and

Used, and The Future. Graphics are used to explain complex issues and includes a glossary of terms.

The Index to AV Producers & Distributors, 10th ed., contains information about more than 23,600 media producers and distributors. This complete reference work documents all the producers and distributors responsible for the 420,000 productions in the National Information Center for Educational Media (NICEM) master file. The price for the 626-page soft-bound volume is \$89, and can be ordered from Plexus Publishing, Inc., 143 Old Marlton Pike, Medford, NJ 08055.

The Flush Panel Mounted Switches Selection Guide from EAO Switch Corp.,

198 Pepe's Film Farm Rd., Milford, CT 06460, is a four-page, four-color brochure that features six different flush panel mounted switch families ranging from heavy-duty power switches to miniature low-level units. Descriptions, illustrations, and technical specifications are included for each switch series.

The MCM Electronics Catalog, Number 38, is available from MCM Electronics, 650 Congress Park Dr., Centerville, OH 45459-4072. This latest catalog contains over 6,000 new items, including project accessories, semiconductors, connectors, test equipment, computer products, audio, and hundreds of original OEM and generic TV/VCR repair parts.

New Products

Audio Equipment

AKG Acoustics announced the **Emotion series of low-cost, high-performance microphones**. The microphones, designed specifically for live performance applications, consists of two models: the D770 dynamic cardioid instrument and vocal microphone and the D880 vocal super cardioid microphone. The microphones feature "Tiefzieh Varimotion Technology," a patented process that allows diaphragm manufacture to reach very high tolerances. AKG's "Doubleflex" technology features a two-way elastic suspension system that mechanically isolates the microphone capsule and significantly reduces handling noise. In addition, the Emotion Series uses neodymium magnet assemblies, which produce considerably higher output than is normally found in microphones at this price. Other features include superior gain-before-feedback performance and reduced proximity effect characteristics.

ADC Punch Block Interfaces for audio routers and audio distribution amplifiers (DAs) from Leitch, Inc., come prewired with umbilical cord and D25 connectors for plug-in to equipment frames. Audio router interfaces each provide 16 input or output connections. Up to eight interface modules will fit in a 3-RU and supply as much as a 32 x 32 routing system. Audio DA interfaces each provide inputs and outputs for one DA and up to 10 interface modules will fit in a 2-RU frame. These modules are compatible with Leitch's Series 883 and 884 mounting frames.

Cables and Connectors

Gepeco International, Inc., has announced its **4200 Series multipair audio cable**, which features 22-gauge stranded, tinned copper conductors. Each pair is individually shielded and jacketed to virtually eliminate crosstalk and ground loops by isolating the ground contacts with adjacent shields. The foil of the 4200 Series is bonded to the pair jacket so both can be stripped in one easy motion. Individual pair jackets, identified with longitudinal alphanumeric print and new color codes, also save termination time while eliminating costly phasing errors. The series is UL-listed type CM, and is available in 2, 4, 6, 8, 10, 12, 16, 20, 26, and 32-pair.

Camera Accessories

Arriflex Corp. introduces its **AVF-2 anamorphic viewfinder** for the Arriflex 435 camera. The AVF-2 de-squeezes the image in the viewfinder when anamorphic lenses are used. A mechanical knob located on the viewfinder allows easy switching between de-squeezed and squeezed viewing. The viewfinder maintains full flexibility and can be quickly pivoted from the left to the right side of the camera.

Distribution

The SDA-3052 (4-output) and SDA-3054 (8-output) distribution amplifiers are new from Matthey Electronics and available from Television Equipment Associates. Either unit will pass both composite (143 Mbit/sec NTSC and 177 Mbit/sec PAL) as well as component (270

Mbit/sec) serial data rates. The received signal strength is monitored and indicates to the user the approach of maximum automatic cable equalization and excessive cable lengths. The trip point is user-adjustable and is factory set at 300 m. Up to six cards can be accommodated in the standard 1-RU subrack.

Editing Equipment

The Collage EDit noncompressed, non-linear digital editing system from Power Pixel Ltd. incorporates real-time text and graphics capability. The system's main features include eight-channel analog and digital audio editing, collage captions, and graphics as real-time layer over edited video, real-time cut editing with fast rendering of wipes and multichannel DVE effects; a dedicated control panel with traditional editing controls, and optional 2-D and 3-D animation software.

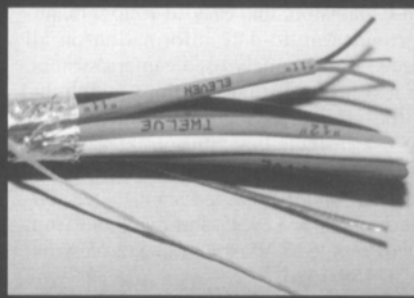
The AG-A850 multievent editing controller from Panasonic Broadcast & Television Systems Co. is equipped with five RS-422 (9-pin) VTR remote terminals to control five VTRs (three recorders and two source players), allowing simultaneous production of three videotapes. The multievent memory of the AG-A850 stores up to 512 events, and this edited data can be retained in memory for up to three days or downloaded to a computer for permanent storage. Additional features include monitor display output, four-channel audio editing, timecode capability, audio split editing, slow-motion editing (with slow-motion VTR), and auto tag for match-frame editing.



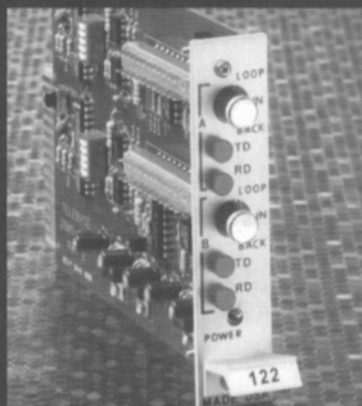
The AKG Emotion Series of microphones from AKG Acoustics.



The AVF-2 anamorphic viewfinder from Arriflex Corp.



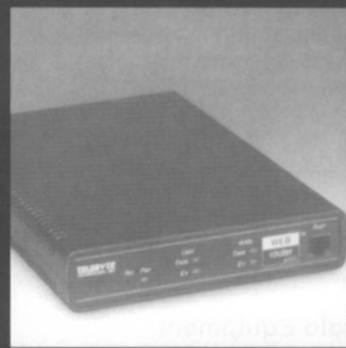
Gepco International's 4200 Series multipair audio cables.



The Model 122 interface converter from Telebyte Technology.



Panasonic's AG-A850 editing controller.



Telebyte Technology's Model 9010 Web Router.



The D-15 time-code DAT recorder from Fostex.

Film

Eastman Kodak Co.'s **Primetime 640T teleproduction film** is available in both 35mm and 16mm formats. The teleproduction film is optimized for the way telecines see light and color and provides producers and cinematographers with a tool for expanding their visual vocabulary by increasing creative options on the set and in the post-production suite. The film will replace Eastman EXR Primetime 640T film.

Lenses/Optics

The **Adapta Optic 35N relay lens system** from Optex has been specifically designed to enable prime 35mm still camera lenses and 35mm motion picture lenses to be used with 2/3-in. video cameras without the need to make any modification to the lens. An 8mm still camera lens with a 180° diagonal angle of view becomes 2.6mm with the same angle of view, and a 24mm motion picture lens with 48.1° horizontal angle of view becomes 8.4mm with the same angle of view.

Fujinon, Inc., introduced the **A10X4.8-EVM/ERD wide angle lens**, an ENG

broadcast lens that provides an 85° horizontal range of view. Featuring Fujinon's aspheric technology, electron beam coating, and a new internal focusing system, the lens can be used in extremely tight settings. The A10X4.8EVM/ERD has a focal length of 4.8 mm to 48 mm without the extender, and 9.6 mm to 96 mm with a 2x extender. The lens's MOD is 0.3 m and its *F*-number is 1.8 from 4.8 mm to 34 mm, and 2.3 at 48 mm.

Recorders

Fostex Corp. of America has introduced the **Fostex D-15 digital master DAT recorder** with full time-code functionality, including optional chase-lock capability. The D-15 offers multiple cue levels (-20, -30, -40, and -55 dB), multiple cue times (1500 msec, 1200 msec, 900 msec, 600 msec, and 300 msec), and multiple reference levels (-12, -18, and -20 dB). It also features a reference play mode, onboard parallel ports, 18-bit/64x oversampling inputs and 20-bit/8x oversampling outputs, a panel lockout switch, I/O trim pots, and an adjustable offset command. Also included is a DSUB 37-pin parallel remote port that allows the D-15 to be remotely controlled without using an infrared

device, making it adaptable for broadcast environments.

Management Graphics, Inc., announced the **Sapphire Pro Slide Recorder**. The Sapphire Pro images chromes and negatives at standard 2K, 4K, and 8K resolutions, and the unit is fully compatible standard 3K and 6K resolutions of photo CDs. Custom internal look-up tables (LUTs) provide calibrated colors for many common professional and standard films. In addition, users can retain their own individual LUTs with a SAVE command from the front panel.

Signal Processing Equipment

The **Model 5501 single port frame relay access device (FRED)** from Telebyte Technology, Inc., contains an integral DSU/CSU to provide access to a frame relay network for a SLIP async or HDLC sync device. The frame relay service unit (FSU) encapsulates data from a nonframe relay device into frame relay packets. It enables a nonframe relay device to connect to a common carrier frame relay network service or a private frame relay network. The Model 5501 FSU connects directly to a 56 kbit/sec dedicated access line on a

frame relay network. The diagnostic capabilities include test pattern, local loopback, and remote loopback. The test pattern may be used with both loopback tests. Eleven LED indicators on the front panel provide the user with information about the data link and the DTE interface.

Telebyte Technology's **Model 122 Dual Superverter interface converter** provides interface conversion from RS-485, 2-wire or 4-wire, or RS-422 to RS-232. The combination of two independent converters per module allows the placement of 28 interface converters in 5 1/4-in. of height in a standard 19-in. equipment rack.

Switchers and Routing Systems

Telebyte Technology Inc. introduced the **Model 9010 Web Router**, an Internet Access Device (IAD) that provides full-time connectivity from an office to the Internet via frame relay or other wide area networking service. A combination of features allows users to simplify the task of establishing their own sites on the World Wide Web. Via the Web Router, a single Ethernet segment, a campus LAN, or a host on a serial port can provide Internet access. The Model 9010 is able to configure itself for frame relay network connection automatically. No advance information is needed from the frame relay service provider. The user connection is 10 Base T and AUI for direct connection to an Ethernet hub. Also available is an interface for a workstation or host with a serial port RS-232 connection. An integral 56 kbit/sec CSU/DSU is included. The Web Router supports frame relay, TCP/IP, and edge router functions including RIP, ARP, Boot P routing, SLIP, PPP, Telnet client and server, and PING.

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

AKG Acoustics, c/o Harman Pro North America, Inc., Air Park Business Center 12, 1449 Donelson Pike, Nashville, TN 37217, tel: (615) 399-2199, fax: (615) 367-9046

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

Eastman Kodak Co., 343 State St., Rochester, NY 14650, tel: (716) 724-4000

Fostex Corp. of America, 15431 Blackburn Ave., Norwalk, CA 90650, tel: (310) 921-1112, fax: (310) 802-1964

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

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E-mail: Excel@Lipsner-Smith.com

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

Management Graphics, Inc., 1401 E. 79th St., Minneapolis, MN 55425, tel: (612) 854-1220, fax: (612) 851-6159, e-mail: sapphire-info@mgi.com, WWW: <http://www.mgi.com>

OpTex, 20-26 Victoria Rd., New Barnet, N. London EN4 9PF, England, tel: +44 (0) 181-441 2199, fax: +44 (0) 181-449 3646, e-mail: info@optextint.com, WWW: <http://www.optextint.com/optex/>

Panasonic Broadcast & Television Systems



Excel™ 1100 Film Cleaning System

In Europe: Swan Wharf, Waterloo Road Uxbridge UB8, 2RA England
Phone: 01895 252191 Fax: 01895 274692
E-mail: RTIUK@cix.compulink.co.uk

Co., One Panasonic Way, Secaucus, NJ 07094, tel: (201) 392-4319, fax: (201) 392-6001

Pixel Power, Ltd., Unit 1, Trinity Hall Farm Industrial Estate, Nuffield Rd., Cambridge CB4 1TG, England, tel: +(01223) 423399, fax: +(01223) 423868

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

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

