

New Products

Further information about these products can be obtained from the addresses given. As with technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



Ampex CVR-D75 Betacam SP studio VTR

A Betacam SP studio VTR with component digital serial interface capabilities has been introduced by Ampex Corp., 401 Broadway, Redwood City, CA 94063-3199. The CVR-D75, designed for applications requiring I/O capabilities, accepts 4:2:2 input from various component digital systems. Using internal converters, the basic record/playback circuitry remains analog Betacam SP. With the product, there is no analog video input or output. D-1 serial input and active loop-through four-channel serial output are provided, along with three switchable input and output audio channels. Other features include TBC proc-amp control, external reference input, and TBC genlock reference.

The company also announced the CVR-50 Portable Betacam SP VTR, the successor to the CVR-35. Enhancements include long-play capability, low power consumption, and built-in component TBC, which allows the broadcast-quality images to be transmitted with no additional time base correction required. The CVC-7A camera and CVRE-300A camcorder, which replace the original CVC-7 and CVR-300, include CCD sensors with an on-chip lens that focuses virtually all light to be captured in the pixel area. The original CCD sensors allowed only 35% of light onto the active pixel. Now, with the new CCDs, camera sensitivity is increased one *f*-stop to *f*8.0 at 2000 lux (*f*5.6).

Two 13-in. diagonal color monitors have been unveiled by the Audio Video Sys-

tems Group, Panasonic Communications & Systems Co. (PCSC), 2 Panasonic Way, Secaucus, NJ 07094. Both the CT-1382VY and CT-1382Y feature flat, fine-pitch picture tubes and 420 lines of horizontal resolution for crisp images. The products also offer Line A or S-Video input/output, variable audio output, headphone jacks, and an on-screen display for adjustment of sharpness, brightness, picture, color, and tint. The CT-1382VY also features a 155-channel cable-compatible tuner, a programmable channel scan function, and a 21-function wireless remote-control unit.



Panasonic Model CT-1382VY

PCSC also announced the AG-2600E multisystem VCR, offering worldwide system compatibility. The product allows the user to watch virtually any VHS tape, with the addition of a multistandard monitor or a monitor compatible with the type of tape being played back. It also provides NTSC playback on PAL monitors, digital tracking control, auto power on, auto play, and repeat play. The AG-2600E measures 17×3¼×14-in. and offers such features as auto head cleaning, wireless remote control, automatic voltage adjustment, 4-program calendar timer with 1-hr timer backup, and 99-channel synthesizer tuner.

The CM201N and CM141N professional color video monitors have been unveiled by Asaca/Shibasoku Corp. of America, 12509 Beatrice St., Los Angeles, CA 90066. The products feature high-resolution shadow masks and in-line dot CRTs. They are designed to provide long-term and consistent picture reproduction, high stability, and superior performance. An optional auto set-up records the manual settings for white balance adjustments, including brightness, contrast, and chroma phase/gain. The light probe measures the light emission of the CRT and stores that data in one of five color

temperature memories, which allow the user to easily switch between settings.



Fujinon studio lens

An enhanced version of the A20×7ESM ⅜-in. studio production lens has been released by Fujinon Inc., 10 High Point Dr., Wayne, NJ 07470. The product has reduced flare and chromatic aberration, improved focus tracking, better corner registration, and greater brightness than its predecessors. In addition, the lens operates more smoothly and quietly due to the use of new components in the servo system. The maximum aperture of *f*1.4 remains constant from 7 to 124 mm, and varies only to *f*1.6 at 140 mm. Standard features include a built-in 2× extender and an LED display of focal length and aperture.

A super-wide-angle ENG lens has been announced by Nikon Inc., 1300 Walt Whitman Rd., Melville, NY 11747-3064. The S9×5.5B TV Nikkor lens's features include high magnification, a high MFT curve, and an extra-long built-in extender. The design of the product enables it to provide a wide image while reducing TV distortion. Its 9× zoom ratio is the highest available among wide-angle zoom lenses.

Several new products have been made available by Odectics, Inc., 1515 S. Manchester Ave., Anaheim, CA 92802-2907. The Automated Protection Reel System, a new software option, automates the production of protection reels. The software is available as an add-on option to the company's TCS2000 and TCS90 broadcast cart machines. Report Plus is a software product that lets users define the information and format of cart machine reports. The product gives operators access to all of the information in the cart machine data base, and presents the information in a user-defined format.

The Break Tape Manager (BTM) is the company's response to requests for a flexible means of split-feeding several channels to a satellite or subregional stations with a single cart machine. BTM is a combination hardware/software package available in different configurations to meet user requirements. Operating



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The Sound Heard Round the World*

under the command of the cart machine, it can house up to six VTRs and is compatible with all broadcast cassette formats.

The TCS-90 is a smaller-library cart machine that features the advanced technology of the TCS2000 library cart machine. The system is compatible with all industry-standard broadcast formats, including DX, D-2, Beta, SP, MII, S-VHS, and U-matic, and it can be configured to use multiple cassette sizes. This allows broadcast stations to use the product as a standalone cart automation system or in conjunction with the TCS2000.

A line of 1/2-in. digital videocassettes has been unveiled by Maxell Corp. of America, 22-08 Route 208, Fair Lawn, NJ 07410. The tapes, which are available in small, medium, and large sizes, combine the qualities of the company's distinguished metal particle videotape with the indispensable elements of 1/2-in. portability. In addition to maintaining excellent head-to-tape contact through an optimal Young's modulus, higher particle density, and thinner recording layers, the videocassettes also incorporate the use of a special reinforced base film to minimize any possible edge damage.

A new lightweight precision jib has been introduced by Birns & Sawyer, Inc., 1026 N. Highland Ave., Los Angeles, CA 90038. The Porta-Jib is designed to fit on any Mitchell top or 100-mm ball tripod. Although it can support a payload of up to 90 lb, the entire assembly weighs only 46 lb, without counterweights, and breaks down to fit into a 9x16x38-in. transport case. It is easily assembled or disassembled by one operator, without tools, in under 5 min. Product features include a smooth 6-ft boom travel, adjustable slip clutches on both boom and pan axes, and precision ball bearings on all moving parts. The boom end features double-sided Mitchell plates to directly accommodate either standard or under-slung heads.

Errata

April 1991 Journal

Re: 1990 Progress Report
Television — Control Systems

Page 239, first and third columns: Due to a printing error, the captions for two of the photographs on this page were left out. Reprinted in the next column are the photographs and accompanying captions.

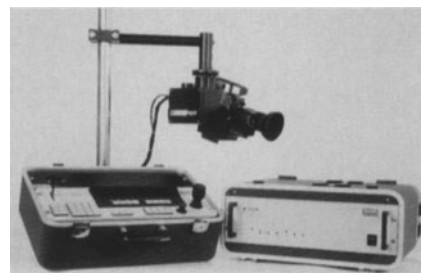
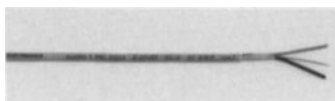


Figure TCS-3. Portable remote control system, Radamec EPO, Ltd.



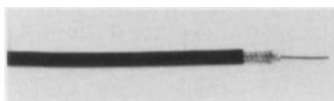
Figure TCS-6. Memory head, Ultimatte Corp.

PRECISION BROADCAST CABLES NEC CL2



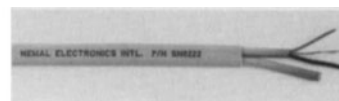
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