

Memo to Members:

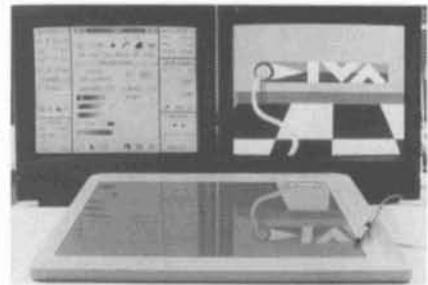
Have you signed up a new member lately? As one who has chosen to belong to SMPTE, you are aware of the benefits of SMPTE membership. Among these benefits are the prestige of being associated with the world's premier professional organization in the fields of motion pictures and television, the monthly *SMPTE Journal*, the local section meetings, and the annual conferences and equipment exhibits. If you know someone who meets SMPTE's requirements, you can offer to sponsor him or her for membership. This is the best way to help strengthen the Society and point someone toward increased professional growth.

Applications are available from:

**SMPTE Membership Dept.
595 W. Hartsdale Avenue
White Plains, New York 10607**

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.



Rank Cintel Designer's Integrated Video Animation Studio

A draw and animation system has been unveiled by Rank Cintel Inc., 13340 Satcoy, N. Hollywood, CA 91605. The Designer's Integrated Video Animation studio, which the company refers to as D.I.V.A., enhances the animation capabilities of both broadcasters and teleproduction facilities and extends the creative abilities of artists working in electronic graphics. The all-digital system combines drawing, paint, animation, and cel-layering functions in a single unit, providing animation capabilities at resolutions and speeds that were previously unavailable. Features of the product include its ability to create key frames for an animation in a resolution-independent vector format, and its ability to internally generate the in-between frames, store the frames internally, and play them back in real time. The system can also add computer-generated characters and digital video effects to these images. It outputs in component digital for storage on D-1 tape or through a film recorder for creation of 35mm film prints at any film recorder resolution.

A sophisticated image compositing system for HDTV has been announced by Ultimatte Corp., 18607 Topham St., Reseda, CA 91335-9929. The System-6 HD incorporates all the technological advances of the standard System-6 and upgrades them to an HDTV format. Product features include Screen Correction™ for flawless image composites regardless of lighting or backing imperfections, SMPTE/EBU time code reader, IBM-compatible computer inter-

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face, and advanced LCD readout. The unit has a very broad frequency response with well over 30 MHz in channels and it is compatible with both 1125/60 and Eureka standards.

Three System-6 accessories have also been introduced. The System-6 transcoder is a two-channel bidirectional transcoder that will work with other equipment. It takes output from any component format and converts it to RGB. It is also capable of converting an RGB signal to any component format. The System-6 ITA interface is designed to interface with other equipment primarily through the use of time code. The System-6 Smartstore is an RGB framestore that is designed for use as a screen correction input to the system. It includes patented circuitry that permits it to accumulate blue-screen information as the foreground scene is played back during post-production.

An all-digital nonlinear electronic editing system has been announced by Montage Group, Ltd., 1 W. 85th Ave., Suite 3D, New York, NY 10024. Montage III is an all-digital system that makes use of Intel DVI chips and proprietary Montage digital video compression techniques to provide high-quality, full-motion, full-frame, full-screen compressed digital video for either NTSC, PAL, or VGA monitors for playback at 24, 25, or 30 frames/sec. The product is available in two basic configurations to support the needs of different users. One is a portable standard PC desktop configuration, which accommodates location work, and the other configuration is in a streamlined video editing station that houses all the computer hardware in a single unit. The product employs 80386 and 80486 CPUs and features one to seven 1.2-Gbyte hard disks or 1-Gbyte removable optical drives for up to 8 hr of on-line storage.

An audio automation system with three modes of operation has been announced by Solid State Logic, Inc., 320 W. 46th St., New York, NY 10036. Ultimation™, which uses a VCA element as well as an analog path through the fader wiper, can work either as a dedicated VCA system, a dedicated moving fader system, or in a way that combines the best features of both systems. Under processor control, the most appropriate audio path is selected according to the operational needs of the engineer. When writing or playing absolute fader levels, the audio passes through the wiper of a servo-controlled Penny & Giles fader. Upon touching the fader, the audio is automatically routed through the VCA element to allow a real-time Trim update. The product is an extension of the company's G Series automation, and it is able

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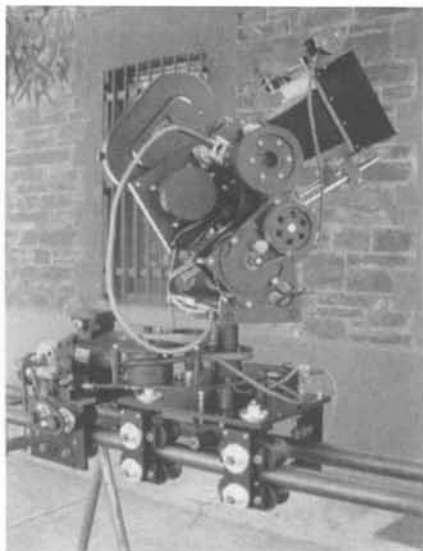
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to read G Series mix data. It will be available as a standard option on all new G Series consoles and as a retrofit to any console using the G Series computer.



Digital Arts Motion Control System

A real-time multiaxis motion-control system has been launched by Digital Arts Film & Television Pty. Ltd., 3 Milner St., Hindmarsh 5007, S. Australia. The compact system can fit in a van, and it sup-

ports a range of 16 and 35mm cine and video cameras, for which suitable adaptors can be provided. The only additional product requirement is an intervalometer with a synch input. The product's configuration allows panning through 360° and tilting through 270°. Various track configurations are possible using modular track sections that include straight, horizontal, and vertical curves. The system offers high accuracy and repeatability, and it is available at a cost that is 90% lower than competitive systems. In addition, it incorporates highly advanced electromechanical systems driven by INMOS transputer parallel processors, enabling a direct interface between the company's motion control and 3-D animation systems.

Optional RGB inputs and outputs for the Nova 950 image processing and transcoding TBC have been announced by Nova Systems, Inc., 50 Albany Turnpike, Canton, CT 06019. This enables RGB graphics and display systems to utilize the TBC's variable chrominance noise reduction, horizontal and vertical enhancement, black stretch, and multiformat transcoding capabilities. With the addition of the RGB options, the 950 becomes an extremely flexible video signal processing tool. Other features of the

950 include 4 × 1 input switching, freeze, fade to black, color bars, dropout compensator, and full proc amp with presets.

PAL and NTSC conversion kits have been unveiled by Ampex Corp., 401 Broadway, Redwood City, CA 94063-3199. Particularly appealing to vidcotape duplicating facilities with international distributing needs, the kits provide fast, cost-effective configuration of a single Ampex D-2 VTR in either PAL or NTSC signal standards. Each kit includes seven replacement printed circuit boards and new record/playback heads. The conversion can easily be performed by the customer in a matter of hours.

A conversion kit that enables owners of the PR-600-B Series of electronic high-speed projectors to show movies at variable speeds from 1 to 60 frames/sec has been introduced by Magna-Tech Electronic Co., 630 9th Ave., New York, NY 10036. This capability is especially desirable in precise editing of sound effects and lip synchronization. Upgrading of the projector is accomplished by replacing the present shutter inverter logic board with a new model. At the same time, an additional dowser is added to prevent damage to the film at slow speeds.

PRECISION BROADCAST CABLES NEC CL2



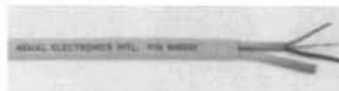
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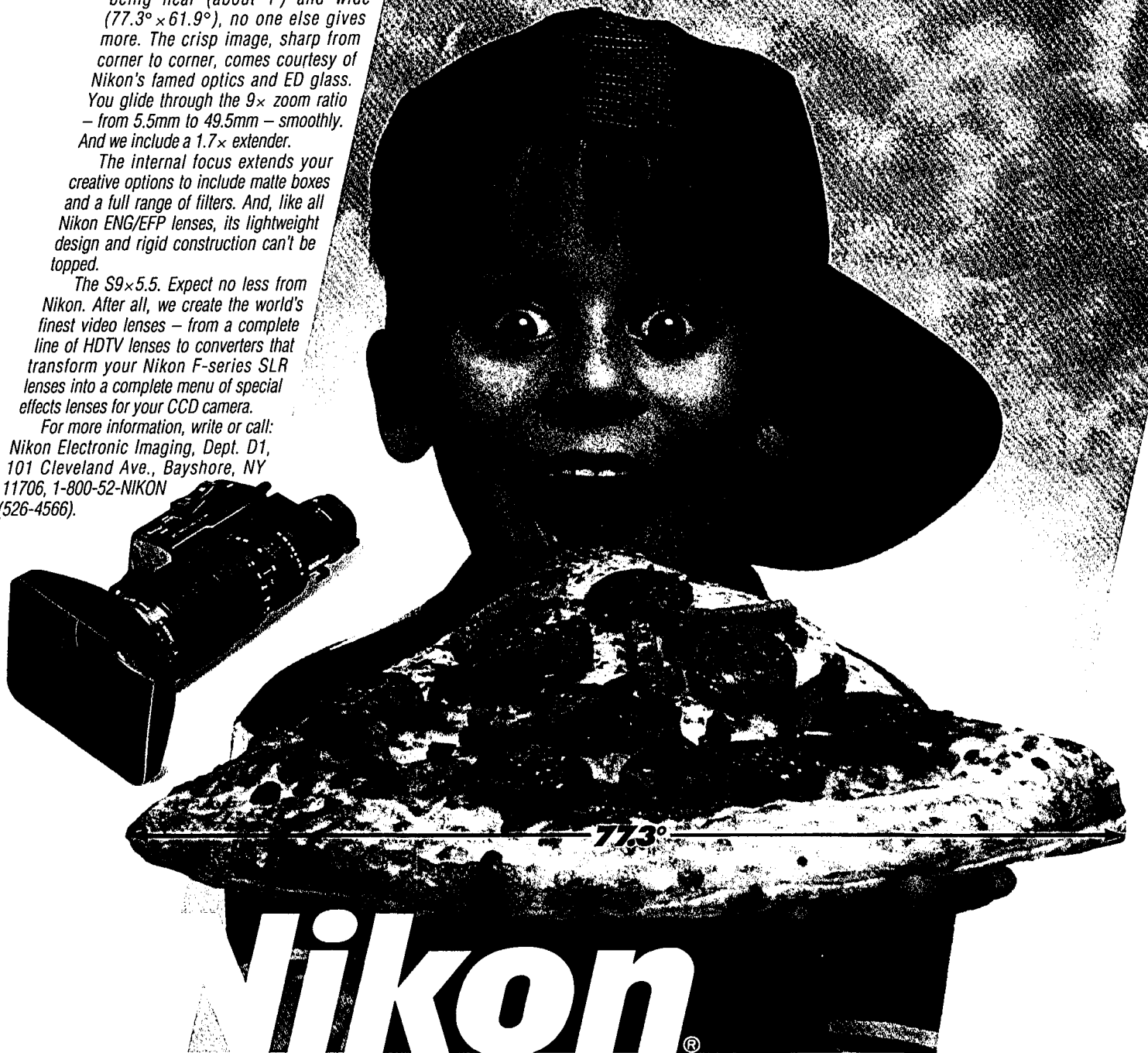
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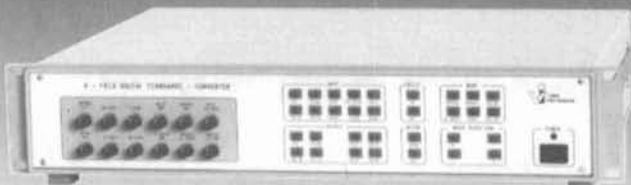
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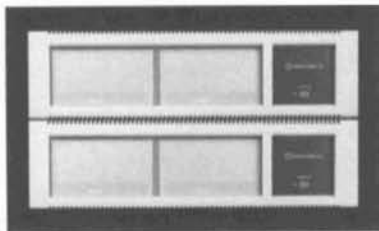
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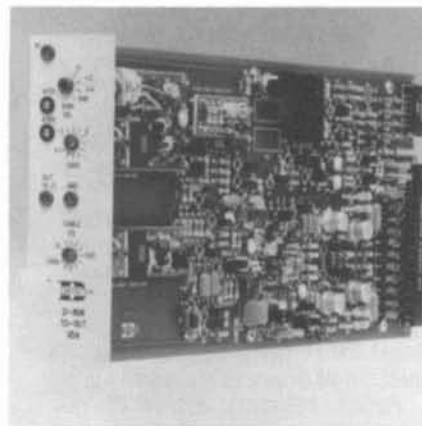


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The NV4448 digital audio sample rate converter, introduced by NVision, P. O. Box 1658, Nevada City, CA 95959, accepts the entire range of today's digital audio sampling frequencies. From 32, 44.056, 44.1, 47.952, 48, to 50 kHz, it solves the problem of interchanging audio data between systems of different standards. Product features include all-digital format and rate conversion between AES/EBU, SDIF II, and SDIF machines with flat response and group delay, and 24-bit precision. The NV4448 comes in a compact one-rack unit with full front panel indication of operational status.



Datatek D-806 video distribution amplifier

A single-channel video distribution amplifier has been launched by Datatek Corp., 1121 Bristol Rd., Mountainside, NJ 07092. The D-806 is designed for use with the company's D-800 Series 10x1 switching modules and it provides ten matched video outputs from a single input. Frequency response is flat within 0.05 dB to 8 MHz and it has a bandwidth of 25 MHz. It will handle subcarrier sine wave signals up to 3 V peak-to-peak to 5 MHz. An optional plug-in cable equalizer allows each channel of the product to be converted to any equalizing distribution amplifier. Front panel adjustment is provided for equalization from 0 to 1000 ft, as well as for gain. It has excellent transfer characteristics, including gain from -2 to +6 dB, frequency response from 5 to 8 MHz ± 0.05 (-3 dB at 25 MHz), differential phase of better than 0.02°, and differential gain of better than 0.2%. Hum components are -60 dB and noise is -70 dB.

A digital parametric controller and equalizer has been announced by JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407. The DS-LC900U, designed to emulate the feel of an analog equalizer, uses a FIR-type digital filter to provide high-quality digital audio. Twenty-eight fixed frequencies are available over four overlapping

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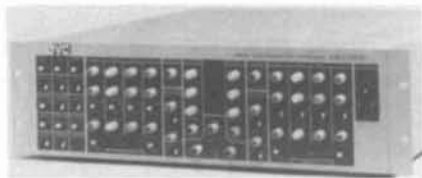
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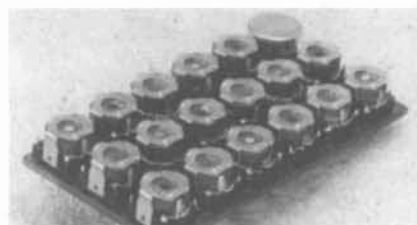
JVC parametric controller

bands that provide 54 EQ points. In addition to shifting center frequency, response to sharpness, level boost, and cut can be varied by the user. The product is well suited to use as part of a large, automated audio system.

The BF 530 microphone was launched by Sennheiser Electronic Corp., 6 Vista Dr., P.O. Box 987, Old Lyme, CT 06371. The product features an adjustable basket that allows users to tailor the sound quality of their voices. By sliding the basket forward or backward, the speaker varies the distance between the microphone capsule and his mouth. This in turn accents or attenuates the human voice's lowest frequencies. The basket, which is lined with silk gauze, resists penetration by ambient particles and debris. A silent switch feature incorporates two safeguards against accidental shutoff.

Two new products have been unveiled by Fuji Photo Film U.S.A., Inc., 555 Taxter Rd., Elmsford, NY 10523. **Negative Film F-250D** is a high-speed, daylight-balanced color negative film that offers a combination of fine grain and extraordinary sharpness. It is designed to deliver outstanding image quality under a variety of lighting and shooting conditions, such as early morning, twilight, or underwater. It is suited for high-speed or telephoto filming of outdoor sporting events, and produces powerful images when used in mixed lighting conditions.

The **D3001 1/2-in. digital metal videotape** is capable of recording high density, short wavelength signals. It offers the ability to record large amounts of data needed to reproduce high-quality images and sound in a compact broadcast format. Developed in cooperation with NHK and Matsushita Electric Industrial Co., the videotape utilizes a specially designed metal particle formulation called EX Fine Metallix Magnetic Particles. These particles ensure high output and low noise performance for high-frequency digital recording.



Allen Avionics miniature brickwall filters

Miniature brickwall filters, designed for compatibility with all NTSC and PAL video transmission systems, have been launched by Allen Avionics, Inc., 224 E. 2nd St., Mineola, NY 11501. The ABW-Series, which is available in cut-off frequencies from 2 to 8.4 MHz, can be supplied in either an open PC board construction, designed with original equipment manufacturers in mind, or a boxed version with BNC connectors. The product is equalized to reduce amplitude and delay group distortion. The typical ABW-4P20-P has a passband flatness of better than .15 dB to 4.2 MHz and less than ± 10 nsec of delay distortion to 3.90 MHz. The stopband ratio for all brickwall filters in the ABW-Series is 1.066.

The **Mercury tripod**, manufactured by Quickset International, Inc., 3650 Woodhead Dr., Northbrook, IL 60062-1895, has a unique cam-fluid head that assures the smoothest pan and tilt movements obtainable. The system has two control arms, a total weight capacity of 40 lb, reaches a maximum height of 71 in., and goes as low as 38 in. It is available with a floor or off-the-ground adjustable spreader, and when the spreader is disengaged it goes as low as 19 in.

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