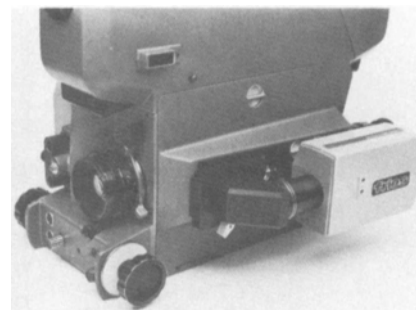


NEW PRODUCTS

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

A new video assist unit has been announced by Fries Engineering, Inc., 12032 Vose St., North Hollywood, CA, 91605. The unit

features a quick-release mount, a low-light level $\frac{2}{3}$ -ft Newvicon tube, and an independent iris to accommodate a variety of lighting situations. The video is operated on 12V dc, and can be supplied in either EIA or CCIR standards. Interfacing with switches, special-effects generators, external sync, etc., is easily accomplished through a standard Din connector. The price of the unit is \$4000 f.o.b. North Hollywood.



Video assist unit, Fries Engineering, Inc.

A new 1-in. videotape evaluator has been announced by Television Equipment Associates, Box 393, South Salem, NY 10590. The new machine is smaller, more compact, and much lower in cost than the combination 2-in./1-in. models now in popular use. The machine has a substantially simplified evaluation display which locates and identifies dropout and edge damage. This is accomplished by electronic profiling which visually registers damaged areas on three LED linear displays on the

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Videotape evaluator, Television Equipment Associates, Inc.

front panel. The display area is divided into top edge, video, and bottom edge indicators for the tape. The displays are calibrated in $\frac{1}{4}$ -min segments from 0 to 64 min, and automatically expands to 0 to 120 min on longer tapes. After a tape has been profiled, the operator can evaluate the tape by pressing buttons labeled *A*, *B*, and *C* for any one of three user-programmed acceptance levels for each channel, simultaneously.

A lightweight on-cam VTR for existing ENG cameras was introduced at the 124th SMPTE Technical Conference by PEP, Inc., 25 W. 54th St., New York, NY 10019. The 5-lb, $\frac{1}{2}$ -in. VHS VTR was dubbed the Newshawk-combo, as it provides a clip-on unit for the ENG camera that consists of the VTR plus battery

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KCS 20 (Mini)	20 min.
KCA 30	30 min.
KCA 60	60 min.

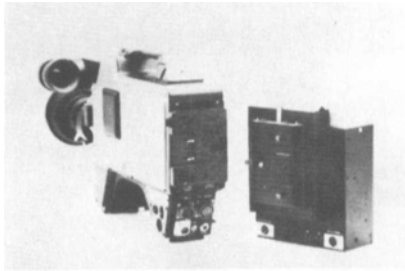


Agfa also offers High Color 1/2" VHS and Beta Videocassettes.

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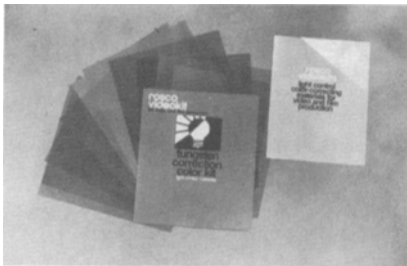
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On-cam VTR, PEP, Inc.

holder. The unit accommodates a 4-lb battery. By attaching the unit directly on the battery-mounting bracket at the rear of the camera, a well-balanced camera recorder results. The recorder uses a 1/2-in., 20-min VHS-C compact cassette and has demonstrated news-quality pictures as well as speed and flexibility in handling at a modest cost.



Rosco tungsten correction kit.

A **Tungsten Correction Videokit** to control the Kelvin temperature of tungsten lamps has been introduced by Rosco Laboratories Inc., 36 Bush Ave., Port Chester, NY 10573. The kit contains 10-in. x 12-in. sheets of five different materials to raise the Kelvin temperature of tungsten light sources. The kit is available for only \$19.95, and comes with a complete eight-page instruction manual. The five materials included in each kit are the same ones for which Rosco received an Academy Award for technical achievement. They are Tough Blue 50, Booster Blue, Half Booster Blue, Quarter Booster Blue, and Tough Blue 50 Frost.

A **310SP broadcast EFP camera** that provides "film look" features previously available only in the Pancam Reflex was announced by Panavision Electronics, 880 Maude Avenue, Mountain View, CA 94043. In-band and out-of-band enhancement plus detail banking provide greater control over enhancement and eliminate the unnatural black outline often seen around practical lights or fluorescent fixtures. Additional features include recessed, prism-mounted pre-amps for improved signal-to-noise ratio; a microprocessor with automatic pedestal, centering, size, white-and-black balance, and an interactive viewfinder display. The 310SP is

priced to bring EC options within the range of most teleproduction facilities. The SP features and accessory matte box are retrofittable to all CEI 310 cameras.



Fostex reverberation system.

The **Model 3180 Two-Channel Reverberation Unit** has been announced by Fostex Corp. of America, 15431 Blackburn Ave., Norwalk, CA 90650. Using a three-spring/channel design that reproduces natural acoustic reverberation, the unit incorporates a built-in delay before the audio signal reaches the spring transducer. This delayed dry signal is then added to the reverberated signal at the output. The result is a first reflection of 24-ms minimum delay and increased diffusion for more natural room sound.

Camera Tube Test Equipment is now being offered by EEV, Inc., 7 Westchester Plaza, Elmsford, NY 10523. The test equipment is available as a single unit, designated type P4225. The equipment enables the user to check the quality of camera tubes in the following parameters: sensitivity resolution; signal uniformity; geometry; lag,

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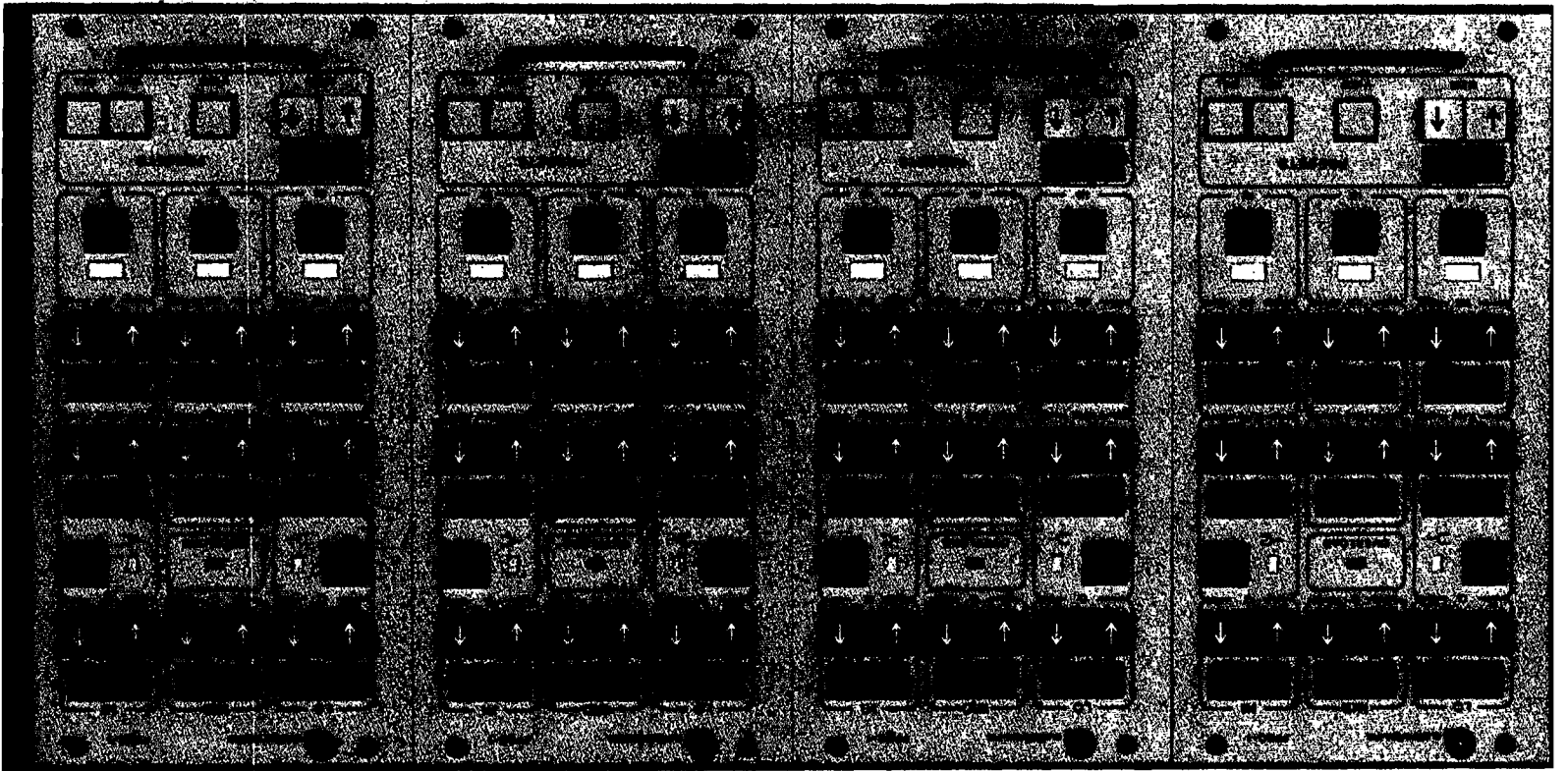


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the complete contents of any memory at any time without affecting current program material. Interface to computers or editors for external sequencing or programming as well as a full function remote control are available. The PPEQ-1, advanced technology from Auditorics.

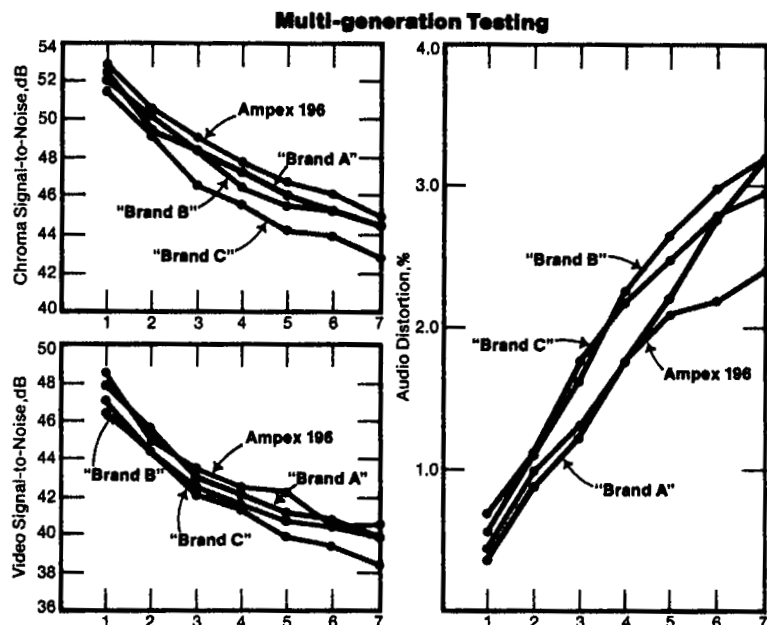
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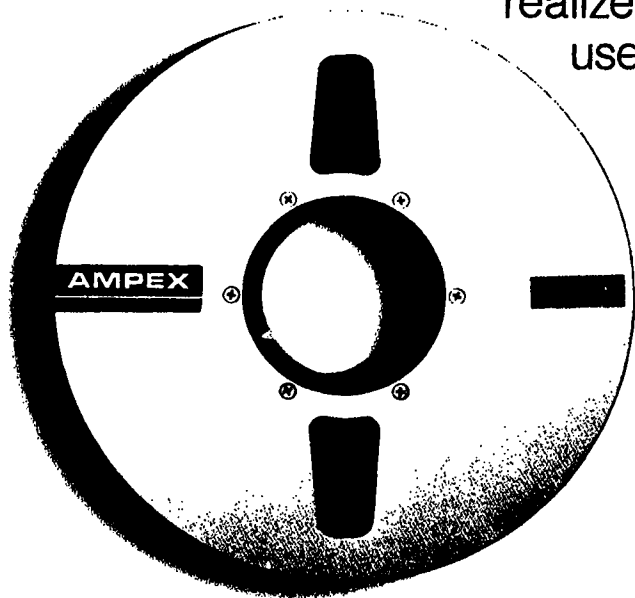
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Camera tube test equipment, EEV, Inc.

build-up, and decay; beam characteristics; blemishes; and highlight overload performance. Interchangeable head assemblies accommodate 30-mm, 1-in., and 2/3-in. tube sizes with front or rear access to the focus/deflection yoke. Alternatives to meet special customer needs can be incorporated.

A double-purpose power supply, Frezzi™ RPS-2, has been announced by Frezzolini Electronics Inc., 7 Valley St., Hawthorne, NJ 07506. The device is designed to provide power simultaneously to two 35-W ENG cameras or to fast-charge two VTR or on-board camera battery packs. It has a universal input range from 100 to 260 V ac, 50-60 Hz. The power supply weighs 8 lb and is fully portable. The price is \$795.

Also announced was the Frezzi Mini video recorder. The recorder is designed to mount on JVC KY-1900 and most other ENG video cameras. The recorder incorporates a 1/2-in. VHS-C Frezzi On Board VTR system.

A revolutionary new system for creating and displaying stereoscopic video images has been developed by Stereographics Corp., Box 2309, San Rafael, CA 94912. Reported to provide a bright, flickerless, high-quality stereoscopic image suitable for prolonged viewing without discomfort, the system uses equipment which is universally compatible with current television, film, and computer graphic displays. The Stereographics™ three-dimensional video system can use existing videotape equipment and videodisks and can display live computer graphics. The images have full color and can be shown on broadcast standard television without modification of the broadcast equipment.

The three-dimensional video system currently uses viewing glasses that have electro-optical shutters and includes a "black box" which processes the images for the television receiver. The system is reported to be essentially compatible with current two-dimensional video methods of recording, playback, and broadcasting.

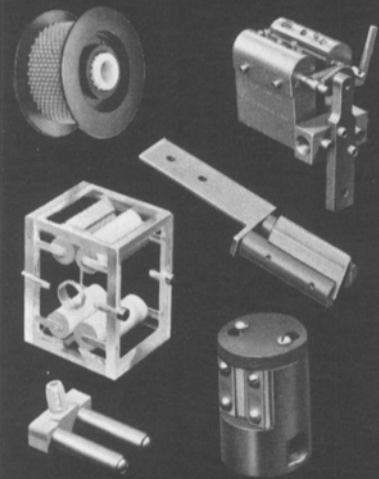
The Collimated Light Box, a setup device designed to provide camera alignment for

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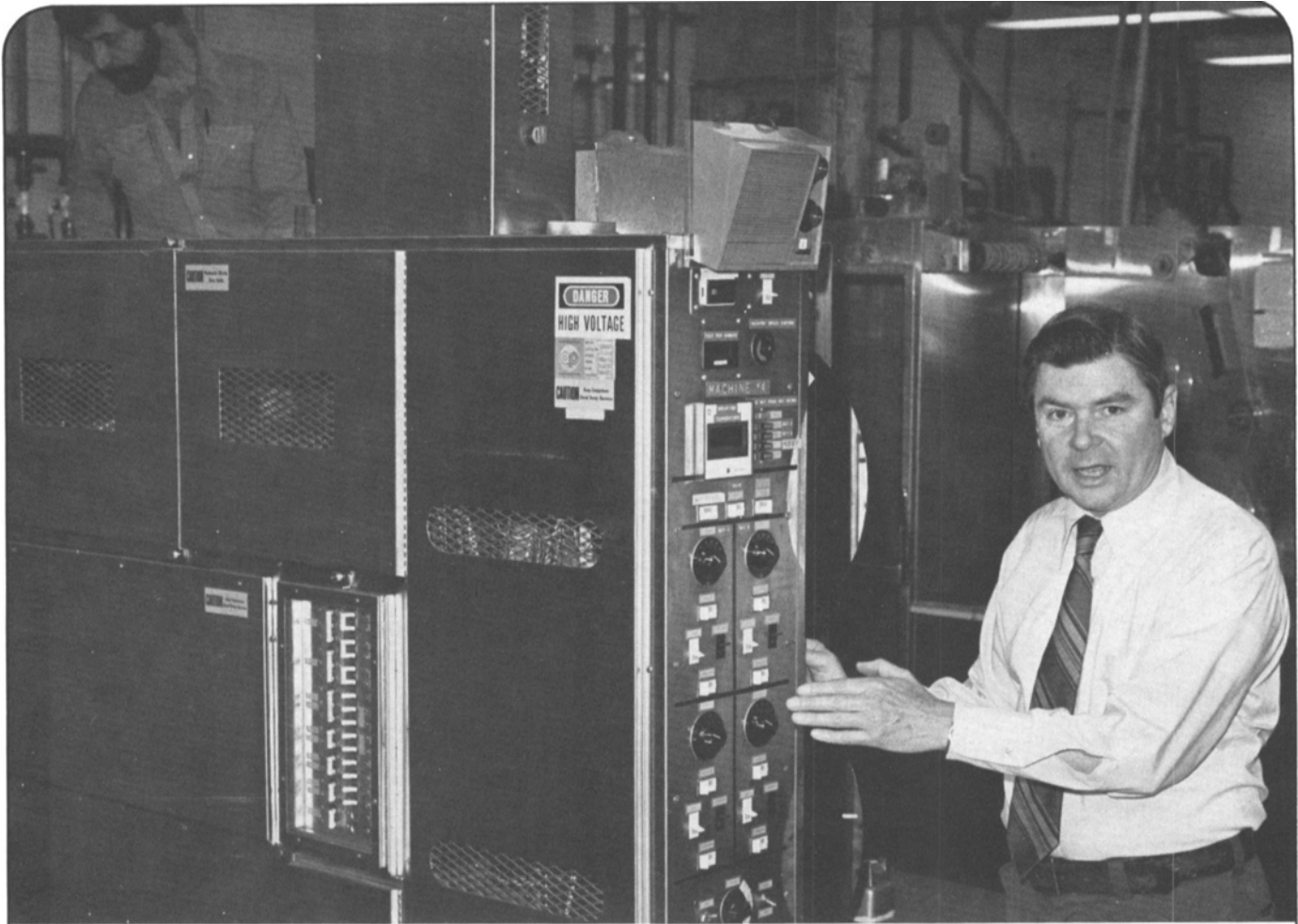
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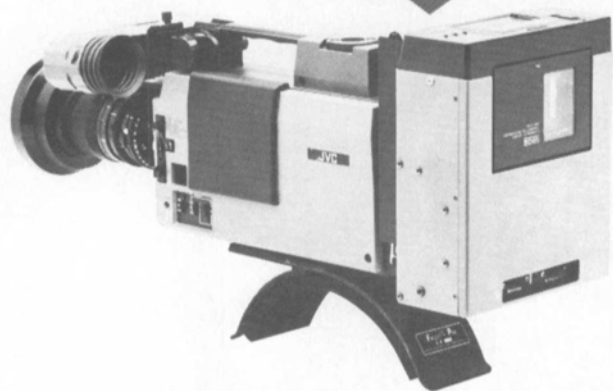
Advanced engineering and good old fashioned craftsmanship are the reasons why Byron specified Allen. You just don't find the Allen standard of quality in any other processor. But it's built into each Allen machine. An example is Allen's exclusive ATA (Automatic Tension Adjusting) film transport system for smooth, fast operation. Solution and energy conservation systems are also standard, as are digital speed and temperature readouts. Automatic load accumulators, 316 SS and titanium throughout, and removable racks are other advantages. All help in keeping cleanup and maintenance to a minimum. But our reputation for manufacturing quality equipment is only part of the story; we are known for good service and technical support, as well. For details, send for literature or talk with an Allen Rep.



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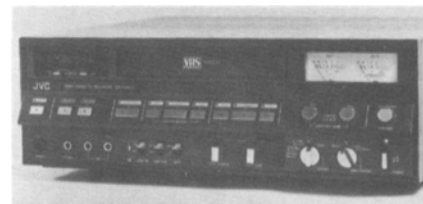
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HONG KONG

ENG, EFP, and studio camera systems, has been announced by the Video Division of Mitchell Camera Corp., 11630 Tuxford St., Sun Valley, CA 91352. The device is supplied with five video test charts (Color Bar, Resolution, Registration, Logarithmic Reflectance, and Linearity), each hard-mounted so that they precisely register for proper setup alignment. Six full *f*/stops of light intensity are available, offering settings of 40 to 2500 fc. Because the light intensity is controlled by precision irises, there is no shift in color temperature when the intensity is being adjusted. The color temperature is fixed at 3200 K and controlled by lamp reflectors, not the bulbs, thereby precluding any discernible color temperature shift as the light source ages. A metering system, built into the unit, constantly compares its color temperature to a known standard and automatically adjusts to maintain a constant 3200 K. The Light Box has a specially-designed optical system that collimates all charts to infinity. The Collimated Light Box is contained in a package measuring 28 × 28 × 14 in. It is priced at \$3500.

Products recently announced by JVC Co. of America include two videocassette recorders and an editing controller.



JVC BR-6400TR videocassette recorder

The BR-6400TR videocassette recorder is designed to bridge the international video communications gap. It records in PAL or SECAM and plays back in PAL, SECAM, or NTSC. The recorder incorporates all functions of a professional VCR including four motors, two-way shuttle search, and optional remote control.



JVC HR-C3U videocassette recorder

The HR-C3U recorder weighs 4.4 lb and measures 7¼ × 3 × 8½ in. and is compatible with VHS. Direct drive motors power the head drum and capstan, and microprocessor-based controls make it possible to shift between operating modes. A shuttle search function permits access to any point on the videotape in forward and reverse at up to three times normal speed. An LCD counter tracks tape movement and can be switched to display, in min-

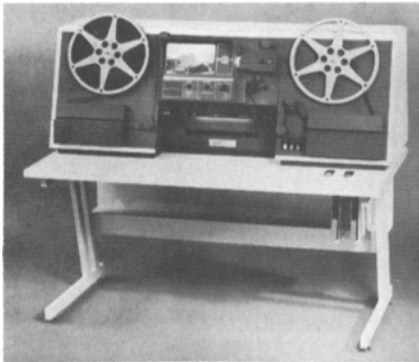
utes and seconds, the amount of videotape remaining. Other features include edit start control for distortion-free transitions between recorded segments; built-in RF converter for convenient hook-up to a standard television; audio dubbing and a 10-pin camera connector; and remote control capability. The HR-C3U can be operated with a NiCad battery, ac outlet, or car battery. Power consumption is 4.8 W.



JVC VE-90A editing controller

The VE-90A editing controller is designed to assure editing accuracy via the optional TCR-90 time code reader and the EDL-90 decision lister. The VE-90A edits onto blank videotape or a prerecorded tape, performs one-second fades to and from black, has high speed search and cruise, and has a status display generator.

Headquarters of JVC Co. of America are at 41 Slater Dr., Elmwood Park, NJ 07407.



RIT TV-2000 film editing system

A film editing system designed specifically for television, designated the TV-2000, has been announced by Research Technology International, 4700 Chase Ave., Lincolnwood, IL 60646. The system is designed to inspect, clean, preview, and edit film in one fast, easy-to-use machine. Pushbuttons allow fast, controlled, high-speed forward and reverse, and instant stopping. The TV-2000 can be used to detect cue tabs and defects as well as to time and clean film at up to 1600 ft./min. It can also be used to preview and edit at up to 12 times sound speed, and to stop the film automatically at any preset point.

Options include the Quik-Trac™ speech processor that allows the operator to review both picture and sound at twice sound

SMPTE Journal, April 1983

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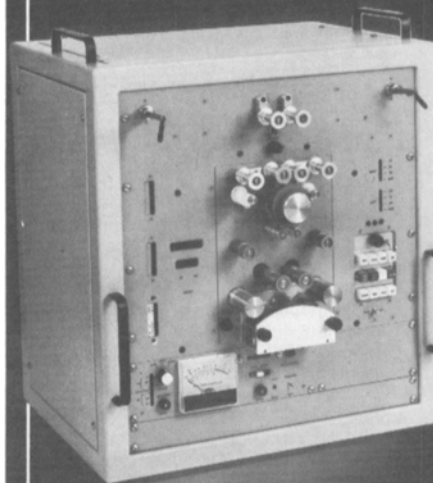
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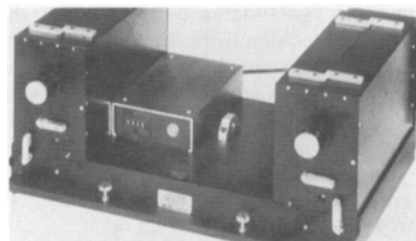
A Matrix Company

speed and the EM-480 liquid cleaner/conditioner unit that can be added to the TV-2000 to automatically clean, condition, and lubricate films at the same time that editing, viewing, timing, and inspection are being done.



Global Specialties frequency counter 6000

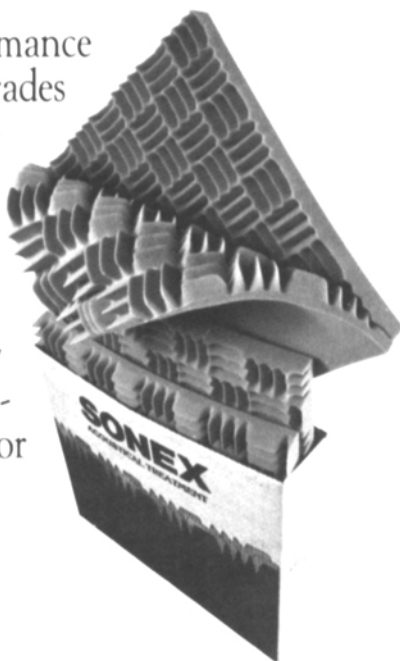
Two 650 MHz frequency counters, Models 6000 and 6500, have been announced by Global Specialties Corp., 70 Fulton Terrace, P.O. Box 1942, New Haven, CT 06509. Each model has a front panel with accessible controls, pushbutton operation, LED display, and frequency measurement from less than 5 Hz to more than 650 MHz. Model 6000 has a 3.579545 MHz temperature-compensated crystal oscillator time base. An optional crystal oven oscillator time base is available for Model 6500.



Schmidt roll film camera

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Alpha Audio

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The Schmidt 9½-in. roll film camera has been announced by Pioneer Marketing Corp., 1021 North Lake St., Burbank, CA 91502. The camera is designed for use in applications in which alphanumeric and/or graphic information is to be recorded on large format film from a CRT, video display, or film recorder. It is daylight-load and accepts 9½-in. roll film on spools up to 100 ft in length. The camera has two film magazines that are removable and interchangeable. Film usage is monitored by a four-digit resettable frame counter. The camera has a single frame button that advances film at the rate of one frame every two seconds. Drive electronics are 24 V dc. The camera weighs about 50 lb.

Aquaray, a color video projector, with a self-contained microprocessor that is reported to control all functions, monitor alignment, and analyze circuit operations, has been announced by Electronic Systems Products Inc., One Tico Rd., Titusville, FL 32780. Weighing 45 lb, it produces 400 lumens peak white output on any screen, curved or flat, 4 to 20 ft wide. The Aquaray is designed primarily for the home video market as well as teleconferencing, education, sports, and similar applications. Input from video sources, such as video-disks, satellite earth stations, cable, and cameras, can be projected.