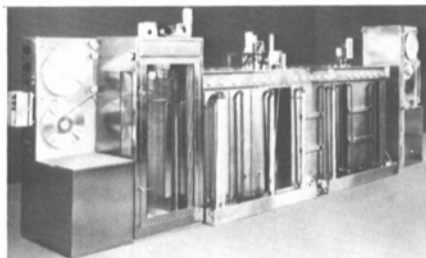


# New Products & Developments



The **Ultima line of film processors** has been announced by Allen Products Co., 180 Wampus Lane, Milford, CT 06460. The line includes six different machines to process Ektachrome, color negative or positive and black-and-white film. The machines can operate at speeds up to 200 ft/min and can handle 16mm or 35mm film interchangeably. The machines are available with either angle gears or chain drive, coupled to Allen's ATA film transport system which automatically adjusts film tension. A removable single unit or component rack design and a digitally set variable drive control are also available. Solution conservation, an integral part of the Ultima machines, is achieved by an air blow-back or wiper blades system. Prices for the Ultima machines range from \$30,000 to \$250,000. A machine in the Ultima line is shown above.

The **Criterion line of film processors**, introduced earlier by Allen Products, contains five different models, can handle either 16mm or 35mm interchangeably and can operate at speeds up to 100 ft/min. Price range for the Criterion line is \$13,000 to \$50,000.



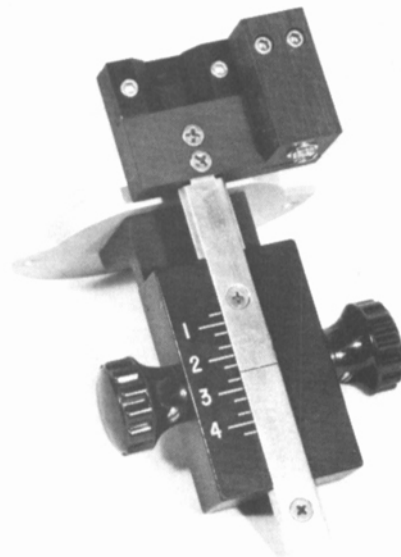
A new **frame count cueing (FCC) system** adaptable to most printers has been announced by Peterson Enterprises, Inc., 1840 Pickwick Ave., Glenview, IL 60025. It provides cue signals for the activation of automatic scene-to-scene light changes, fades and dissolves at the selected frame line, eliminating the need for notches or metallic patches on the film negative. The system includes bi-directional counting and tape reading for use on panel printers. It accommodates super-8, 16mm or 35mm films and is designed for both Milestone and Batch operation, i.e., two different methods of counting feet and frames in a negative when preparing scene-to-scene programming for cueing of printers. Each scene is measured in "X" number of feet plus frames. In the Milestone method the counting is from the beginning of the negative (or 0) accumulating feet and frames from all scenes; integrated circuitry. Two different models are available — one for counting frames only and the other for counting both feet and frames.

Price range for the frame count cueing system is from \$2800 to \$3300.

An electronic frame counter kit complementing the frame count cueing system is also available. Mounted on various types of film synchronizers, it incorporates such features as bi-directional automatic counting for frame line exactness and built-in digital display. It is designed for use on super-8, 16mm or 35mm film synchronizers. The price is \$445.

**Two new film leaders**, one for use in processing machines and the other for use in projectors, have been announced by PRC of America, 640 South Commerical Ave., Carlstadt, NJ 07072. The projection leader comes in eight colors (as well as clear) making it possible to color-code different film rolls for quick identification. The leader is not coated with emulsion and requires no scraping before being cemented to a film-roll end. The projection leader comes in 1000-ft rolls for 8mm, super 8, 16mm and 35mm. The 16mm leader is available in either single perforated or double perforated formats and the 35mm is non-perforated or double perforated to suit individual requirements. The processing leader

comes in both perforated and non-perforated formats. Prices for the 16mm projection leader range from \$13 to \$15.75. The 35mm projection leader is priced at \$19.50 to \$20.25.



An **illumination probe** for use on Peterson COR and COR-JR super-8 continuous optical reduction printers has been announced by Peterson Enterprises, Inc., 1840 Pickwick Ave., Glenview, IL 60025. A photocell mounted in a travelling rack monitors the output of the super-8 objective lenses (dual or quad rank). There are three scale graduations per lens position on the travelling

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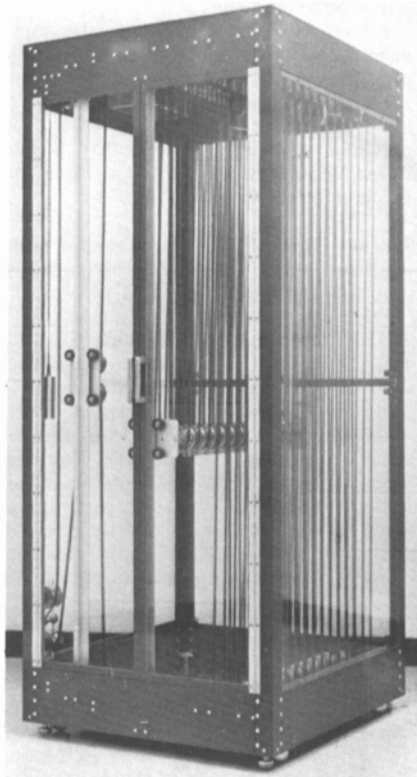


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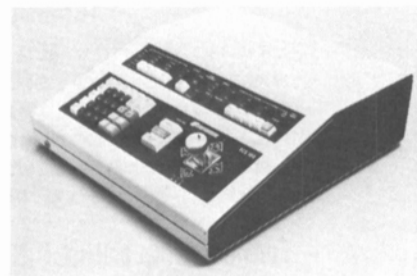
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rack reading the center and two outer edges of each lens; however, since the smooth sliding rack has no detent positions an infinite number of readings can be recorded if so desired. The unit mounts on a new (or existing) cover plate which has precision-located holes to assure accurate positioning with the mating dowel pins in the mounting bracket of the probe. A plug jack is incorporated in the probe head to accept a cable plug of existing photometers. Price of the illumination probe is \$385.

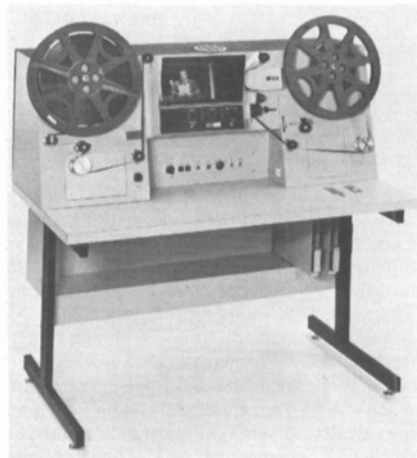


A new line of motor-driven film loop cabinets has been announced by Peterson Enterprises, Inc., 1840 Pickwick Ave., Glenview, IL 60025. Various models are available from a 16mm/35mm combination 600-ft or 1200-ft unit for a single negative only to a 16mm combination picture and sound with a capacity of 1100 ft for each negative. All the units are bi-directional, available in left- or right-hand feed with all ball bearing metal rollers grounded for static control. All sides are of clear lucite for 360° viewing. Each unit is motor-driven with speed controlled by a tension follower. Prices range from \$4500 to \$9000.

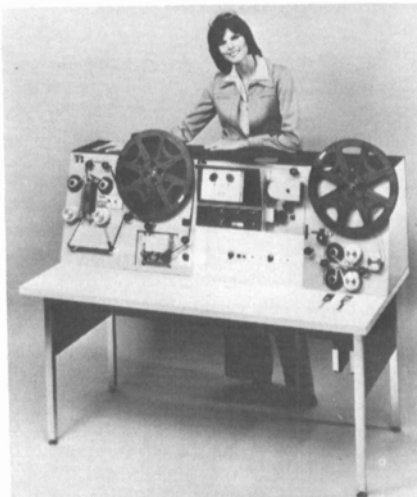


The ECS-100 series of Superstick Editing Control Systems has been announced by Convergence Corp., 17935 Sky Park Circle, Irvine, CA 92714. The systems can be used for ENG, EFP and commercial post production. Because of the modularity of design, Superstick systems can

start with a basic low-cost system and expand to meet requirements for increased capability. They interface with most low-cost videocassette recorders as well as with the 1-in Type "C" teleproduction videotape recorders. Features include the Cut/Lap™ which makes possible program fades and simulated dissolves from a single playback videocassette recorder without adding a switcher or time-base corrector. Other features include Liplock™ Audio Pitch Control, automatic return to edit, auto tag and automatic dialog replacement (ADR). Prices for the ECS-100 series Superstick editors range from \$5,000 to \$40,000.

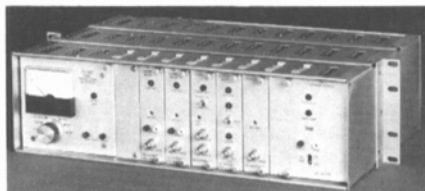


The Edette, a device for viewing new and old and repaired films, has been announced by Research Technology, Inc., 4700 Chase Ave., Lincolnwood, IL 60646. A 40-square-in screen shows up longitudinal scratches and "rain." The machine has its own synchronous motor to lock in sound speed and provide smooth, quiet transport. A 16-sided glass prism plus a multi-element lens provides sharp images without flicker. The price is \$5000.

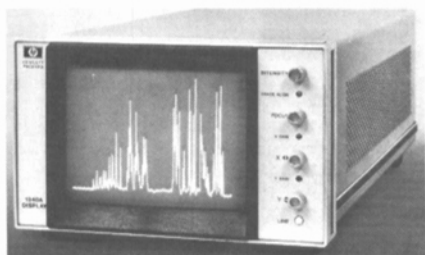


A film care system designated the Omega has been announced by Research Technology, Inc., 4700 Chase, Lincolnwood, IL 60646. A built-in ECL liquid cleaning and conditioning unit permits the simultaneous cleaning, conditioning and lubricating of the films. The process removes foreign matter and applies a scratch-resistant, anti-static coating to the film surface. A locked-in sound previewer provides a large, bright viewing area. It permits the operator to view both image and sound portions of the film simultaneously for content and condition. The price is \$11,850.

The Calrec Sound Field Microphone, Type CM4050, developed primarily for the Ambisonic Surround Sound System, a system developed in Great Britain by which a sound field is encoded completely in one environment and reproduced in another, has been announced by EDCOR, 3030 Red Hill Ave., Costa Mesa, CA 92626. The microphone can be used mainly for stereo recording but can be used for quadraphonic recording if required. The system is based on an application of the mathematical theory of sampling in which a closely spaced array of capacitor capsules and associated matching electronic circuitry completely characterize the first-order directivity of the sound reaching the microphone. Four outputs are generated proportional respectively to the sound field pressure and to the three components of pressure-gradient (left minus right, front minus back, and up minus down). These four signals, known as B-Format, are produced at the output of the microphone equalization unit at line level for the normal range of program level reaching the microphone. A separate sound field signal control unit provides controls and circuitry to allow any first-order microphone characteristic to be synthesized, i.e., the complete range from omnidirectional, through cardioid, hyper-cardioid, to figure-of-eight. Price of the Sound Field Microphone is in the range of \$3000 to \$4000.

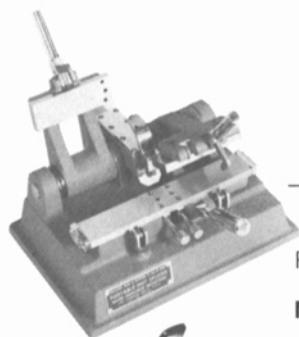


A single-channel microwave receiver for use in 4 GHz satellite receive-only earth terminals has been announced by Farinon Electric, 1691 Bayport Ave., San Carlos, CA 94070. The receiver, designated FST-4, converts incoming RF signals into video/audio outputs and is compatible with 525/625 line NTSC, PAL, PAL-M and SECAM system requirements. A built-in panel meter permits monitoring of critical circuits. Power options include -21 V dc, -24 V dc, -48 V dc or 115/230 V ac. Power consumption is less than 40 W. Additional FM subcarrier receivers can be added on a plug-in basis. Prices start at \$4000.



A new CRT display module, Model 1340A, designed to be easily integrated into instrument or systems consoles, has been announced by Hewlett-Packard, 1501 Page Mill Rd., Palo Alto, CA 94304. The modular approach to electrical and mechanical design gives the user the option of locating functional controls wherever they are the most convenient or to use other controls. Because the 1340A can be purchased without controls and without a power supply, the user also has the option to use other dc power sources. The display requires only sufficient panel space to accommodate the CRT face. With a 114 cm<sup>2</sup> viewing area, the display (plus bezel) occupies

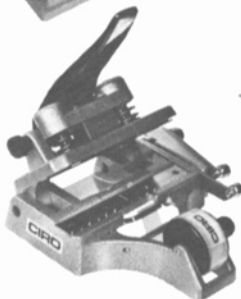
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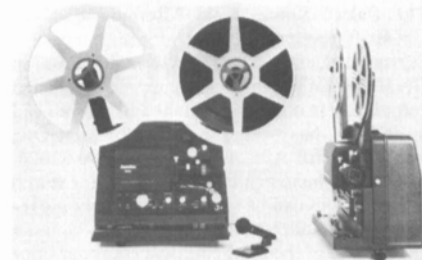


A new projection television kit, Model Q-12, complete with a Quasar color television, designed to make "life size" viewing possible, has been announced by Miami Flock Equipment Co., 304 N.E. 79th St. Miami, FL 33138. The kit is supplied with an adjustable two-element  $f/1.3$  lens system and an easy-to-mount lens hood assembly. A 12-in color television set and an adjustable stand with wheels are also included. Four screws are all that are required to

mount the assembly. The entire package is priced at \$425. High-efficiency screens are also available.



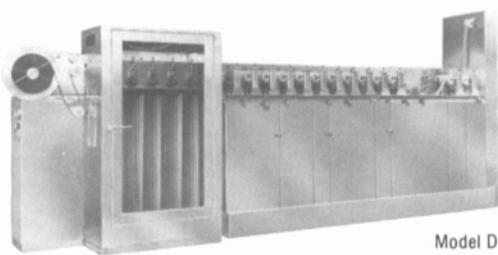
**Portable An-Eck-Oic® Chambers** offering a suitable environment for conducting acoustic studies on a variety of small electronic, electric and mechanical equipment, have been announced by Eckel Industries, Inc., 1555 Fawcett St., Cambridge, MA 02138. By using these enclosures, test and design engineers and researchers can calibrate microphones, test loudspeaker response, evaluate appliances for quietness of operation and perform other acoustic investigations. Units are available with low frequency cutoffs from 150 Hz and free filed volumes up to 69 × 69 × 69 in. The chamber is lined with pretested An-Eck-Oic wedges. A special track mounting system is used for the factory installation. This design combined with a non-reflective floor system allows a sound absorption level of between 99% and 100% to be maintained within the chamber. Prices range from \$3250 for the smallest model to \$10,000 for the largest. Naturally, optional equipment would add to the cost.



A new magnetic sound double track super-8 projector, the Beaulieu 708EL, has been announced by Bell & Howell. Mamiya Co., 7100 McCormick Rd., Chicago, IL 60645, distributor of Beaulieu motion-picture products. The projector, for both sound and silent films, has an 11 to 30mm  $f/1.1$  zoom lens. The projector operates with electronic regulation dc motors at speeds of 18 and 24 frames/s (which can be manually adjusted  $\pm 1/2$  frames/s). Other features include a 15-V, 150-W quartz halogen lamp and a 32.5 European lens mount. Mixed by a potentiometer under control of a built-in VU meter, the projector's double tracks can be automatically or manually recorded. Sound can also be transferred between tracks. Operating with film reels up to 2300 ft for 2 h of running time at 18 frames/s, the projector has both automatic and manual film threading. Other operating features include rapid rewinding and an additive and subtractive frame counter on which one digit is equivalent to six frames. The projector is priced at \$1750. The price includes an 800-ft take-up reel, power cord, amplifier output cord, super cardioid dynamic microphone, spare fan belt, and a spare lamp.

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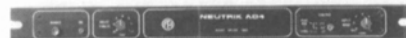
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The Stereo-800, a super-8 sound movie projector with 18 and 24 frames/s projection speed has been announced by Sankyo Seiki (America) Inc., 149 Fifth Ave., New York, NY 10010. It is a two-track system allowing the use of two magnetic soundtracks on the film for stereo recording, bilingual, dubbing, track-to-track transfer, mixing, sound fading and sound-on-sound recording. The stereo-800 projector has facilities for adding complementary hook-ups to external sound source equipment, allowing the addition of special sound effects. Two different lens systems are available — a 15 to 25mm  $f/1.4$  zoom lens or a 15 to 30mm  $f/1.0$  zoom lens. Prices are about \$665 with the  $f/1.4$  lens and \$750 with the  $f/1.0$  lens.



A new analog tapped audio delay line, the Neu-trik AD-4, has been announced by Philips Audio